

WATER POLLUTION CONTROL AUTHORITY
Town of Trumbull
CONNECTICUT

TOWN HALL
(203) 452-5048



5866 MAIN STREET
TRUMBULL, CT 06611

**AMENDED
FEBRUARY 26, 2020
AGENDA**

NOTICE is hereby given that the Water Pollution Control Authority of the Town of Trumbull, Connecticut will hold a meeting on Wednesday, February 26, 2020 at 7:00 p.m. at the Public Works Administrative Building 366 Church Hill Road, second floor conference room for the following purpose:

1. Call to Order
2. Approval of Minutes:
 - January 22, 2019 meeting minutes
3. New Business:
 - Public Hearing

**TRUMBULL WPCA PUBLIC HEARING
2020 ASSESSMENT TRUMBULL, CONNECTICUT
February 26, 2020**

The Trumbull Water Pollution Control Authority will hold a Public Hearing, on Wednesday, February 26, 2020 at 7:00 p.m. in the Trumbull Public Works Administrative Building, 366 Church Hill Road, Trumbull, Connecticut in accordance with the provisions of an Ordinance of the Town entitled, "Sewer Ordinance of the Town of Trumbull" adopted by the Town Council of the Town of Trumbull effective July 1, 1969 and Section 7-249 and Section 7-249A of the Connecticut General Statutes, Revision of 1958 as amended. Notice is hereby given that a Sewer Assessment is proposed to be levied by the Town of Trumbull on the following property:

<u>NAME</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>MAP</u>	<u>PARCEL</u>
Indian Road, LLC (Or current owner)	Madison Avenue	4680	C-07	00059

Dated this 14th day of February 2020 Trumbull Water Pollution Control Authority

- Eddie Road Extension – (2300 Reservoir Avenue)
- 2020 Fiscal Year WPCA Budget

- Quarterly Budget Report
4. Old Business:
 - 11 Rexview Circle Sewer Connection
 - Beardsley Pump Station Rehabilitation Update
 - Old Town and Reservoir Avenue Pump Stations Update
 - Alternative Discharge
 5. Any Other Business That May Come Before the Authority
 6. Adjournment

WATER POLLUTION CONTROL AUTHORITY
Town of Trumbull
CONNECTICUT

TOWN HALL
(203) 452-5048



5866 MAIN STREET
TRUMBULL, CT 06611

MINUTES
JANUARY 22, 2020

Call to Order: The Chair called the meeting to order at 7:00 p.m.

Present: Chairman Richard Boggs, Charles Berezin, Andrew Palo, Jon Greene, Frank Regnery, Scott Thornton, alternate.

Also

Present: William C. Maurer, P.E., L.S., Town Engineer/Sewer Administrator, Director of Public Works George Estrada, Town Attorney James Cordone.

The Commission welcomed Dr. Scott Thornton as their newest alternate member.

Approval of Minutes:

By unanimous consent the following amendments were made to the December 18, 2019 meeting minutes:

- Page 5, the last bullet to read as: "The homeowner may need to be responsible for them"
- Page 4, second sentence of the third paragraph to read as: They went from 120 hp motors to 380 hp motors for two of them and two 40 hp low flow pumps, new pfd's, there is a new 550 generator out in front, it's the size of a tractor trailer. They are rebuilding the whole building."
- Page 2, the first sentence under the heading 2020 Meeting Schedule to read as: "On behalf of Mr. Greene Mr. Palo requested the meeting time be changed to 7:30 p.m."

Moved by Palo, seconded by Regnery to approve the December 18, 2019 meeting minutes as amended. VOTE: Motion CARRIED unanimously.

New Business:

- 11 Rexview Circle-Request to Connect to the Sanitary Sewer System

Fred D'Amico the engineer representing Mr. Iacurci, the owner of 11 Regency Circle was present. He explained there is an existing house at #9 Rexview Circle and a new house at #11. The existing lateral for #11 was used by #9. If they put in a new main they would have to excavate in the street, it's a deep main. The street is a cul-de-sac and would have to be closed overnight and would be costly.

They're proposing to put in a new lateral and install a manhole so it could be cleaned, (see attached plan). This has been done in other towns and in Trumbull too, just not

recently. The lateral would be owned by the property owner and be responsible for it. There would have to be an easement. The homeowner's responsibility would be written into the deed.

Mr. D'Amico knows the Town doesn't usually put two houses on a lateral. The proposed manhole on the plan shows it will be on the property. This is to show that the homeowner owns it, but it is possible to put it in the right-of-way. Someone was told a while ago that this is a way it could be done, but he had gone to the Engineering Dept. and was told that it wasn't usually done and that they should go to the WPCA.

Russel Breton of Breton Builders, (excavator) was present and confirmed that the line was 6" in diameter, not the 4" shown on the plan. Mr. Iacurci stated he would take responsibility for the line. Mr. Maurer indicated moving forward that would be a problem, at this moment the current owner of #11 is Mr. Iacurci, but questioned what would happen in the future with different owners. Mr. D'Amico stated this would be written into the deed so it's clear when the home is purchased.

Mr. Maurer stated currently there are two laterals that serve one house and questioned why one of the laterals couldn't be used for the new house and suggested an internal plumbing change. Mr. Breton explained it's a long run. Mr. Maurer indicated to Mr. D'Amico the Town doesn't allow going into a manhole. #9 Rexview took the lateral for #11. Attorney Cordone explained the concern is not so much the legality but the practicality of it, this is not the normal course of business and whether there is another alternative to access the property. Mr. D'Amico confirmed the plan showed another lateral, after looking at it's not feasible, the cost would be over \$30,000 approximately 17' deep. Mr. Maurer noted that is common.

Mr. D'Amico explained the subdivision map shows two lots, which is why there are two laterals. #9 Rexview is connected to the sewer system using both laterals. The 6" pipe is code for connecting two houses, the main problem is the Town would like to treat it as a main with two houses on the same line. To treat it as a main the manhole should be in a different location. He doesn't think it will be a problem, this has been done often in the town he lives in. There are 2-3 houses on a 4" main and they never have problems. #11 Rexview is a new house that has not been tied in yet. (Mr. Greene arrived at 7:13 p.m.) Mr. Iacurci confirmed the sewers were put in the street in 1974, the second lateral only has a kitchen sink and a toilet connected, no showers. The Chair suggested using an ejector pump for the second connection to #9 and then use the second lateral for #11 Rexview. Mr. Breton explained it's a far distance and crosses the driveway, and stone walls. Mr. Maurer suggested changing the plumbing internally. Mr. Breton explained that wouldn't be possible because it's under the garage floor and would lose a lot of height. Mr. Maurer explained it could be done using a pump.

It was confirmed for Ms. Kurtz that laterals are owned by the homeowner all the way to the main. Mr. Maurer stated if the Commission were to approve the connection he would like to see the manhole in the right-of-way with no bends. Mr. D'Amico confirmed that could be done. It would accomplish two things: Eliminate the bends and

shorten the distance from the manhole to the main while not having to cut into the street.

Ms. Kurtz stated the language should be written into both deeds to protect the homeowners from each other. They should share the responsibility from the manhole down. Homeowner "A" could be dumping grease and Homeowner "B" would have to take care of it. That won't be fair. Mr. Maurer stated it is problematic in that regard.

It was confirmed the plans show a 4" line but the plans are wrong, it is a 6" line. The manhole will be constructed to the Town's standards. The Commission discussed the steepness of the pitch. There is enough slope so solids won't settle out. The Chair stated a couple of conditions would need to be imposed and the responsibility needs to be written into both deeds

Mr. D'Amico stated the documents can be prepared for the Town Attorney to review. The slope is approximately 5%. It won't be too steep. Mr. Iacurci said he has had no problems with the line all these years. Mr. D'Amico confirmed that a separate document could be filed on the land records as well as written into the deed.

The Chair noted that the Commission wouldn't be voting on this at this meeting. Mr. Maurer stated it would be a modification to what is there. There will be a unit fee and they will apply for a connection as well, this will be on another upcoming agenda. This would be developer installed and the unit fee is \$2,500, since the property is out of the assessment period.

Old Business:

- Beardsley Pump Station Rehabilitation Update System

Mr. Maurer distributed the Beardsley Pump Station Comprehensive Upgrade Meeting No. 14 Minutes to the Commission, (see attached). They expect the new pumps to be installed in a couple of weeks, mid-to-late February. They expect to go live end of March or beginning of April.

- Old Town and Reservoir Avenue Pump Stations Update

Recommendations have been put into the new plans and hope to go out to bid in February.

- Contract V Sanitary Sewer Design Update

T&B (Tighe & Bond) has not been awarded the bid to date, they were taking out the low flow pump alternative. They will break that out the price so it can be evaluated as whether or not they want to do it or not. Mr. Maurer indicated the maintenance of the pumps could create more legal problems than they would care to tackle. The Commission noted there wasn't anything inherent of that section of Town that would require the low flow system. Mr. Maurer stated they expect a lot of rock in the area and wanted to try to keep the lines shallow. The Chair noted the relative economics was driving some of that. Mr. Maurer indicated that it would drive down the initial costs but it would create reoccurring costs for the homeowners. Mr. Maurer confirmed for the Commission that he would recommend a gravity system as much as they can. The Chair noted T&B was not one of the RFQ's suggesting the system. They were asked to look at that type of system for the bid, and don't think it's viable.

Pat Grabiec of 47 Round Hill Road was present and questioned what the pumps on the plan indicate. Mr. Maurer explained there will be areas that need pumps. They were discussing a low pressure pump system where a lot of people would have pumps that drive the system. The preliminary plan identifies spots that would need a grinder pump because of the grade change. Ms. Grabiec noted in the area the storm drains are about 3' deep and the water passes over the rock.

Any Other Business That May Come Before the Authority

Mr. Palo requested a financial report be distributed to the Commission on a regular basis, possibly on a quarterly basis for the 20 and 59 accounts. Mr. Maurer confirmed that could be done.

Christine Kurtz of Wright Pierce was present and distributed a summary of what has happened to date with regard to Trumbull's sewer treatment (see attached):

- Trumbull's wastewater has always gone to Bridgeport since the 70's.
- There was a contract in place in all that time and was extended repeatedly.
- In 2012 Bridgeport terminated the contract. A regional authority was suggested.
- Bridgeport proposed a financial plan. Arcadis worked with the City of Bridgeport and came up with how the regional authority would like financially.
- Several years was spent looking at the data and it ultimately turned out not to be fiscally sound for either side. The concept was dropped.
- Wright Pierce did a feasibility study of other treatment alternatives for Trumbull's wastewater. The current agreement is not fair. Bridgeport is a combined sewer overflow community. They have over 30 permitted overflows and have projected over \$400 million worth of work in the future, (this information was from 2013). There is a significant amount of money to be spent by Bridgeport and that money will be evenly distributed amongst its users, both Bridgeport and Trumbull. Trumbull is treated the same as a Bridgeport user. With all those expenses coming down the pike Trumbull's inequity will continue and get bigger.

Wright Pierce looked at Trumbull alternatives:

- Building a plant, various entities of DEEP were involved in the study and it has been deemed feasible.
- Go to other locations - Stratford or Fairfield. When Wright Pierce looked at Stratford they weren't interested at that time. At that time Stratford would have been the least costly infrastructure. More recently they had been talking to Fairfield. They started to look at what the obstacles and costs be.

In General Terms

- *Building Trumbull's own plant; going to Stratford or; going to Fairfield*
These projects are all over \$100 million. The investment in time would be a more cost effective alternative for Trumbull than staying with Bridgeport. This shows the inequity before the Town. If the Town is willing to spend \$100 million it would put the Town in a better situation in 30 years. Shelton was never an option due to elevations. There had been discussions briefly about going to Stratford and Fairfield, because 2/3 of the system goes to Beardsley Pump Station to be pumped while the other 1/3 is gravity through Sunnydale. If they were to go

Stratford and Fairfield that would entail a lot of pipe installed and an upgrade to both treatment plants which would be cost prohibitive. It is Wright Pierce's understanding DEEP likes to bring communities together to eliminate treatment plants. That has been the flavor of the industry for the last 20 years.

Wright Pierce looked at discharge locations and DEEP helped select the best site. A pipe would go to the Pequonnock River with a discharge point downstream of Beardsley Zoo in Bridgeport. They want it below the impoundment because there is a dam there.

Stratford had just completed an upgrade and Fairfield was just about to start one. They have treatment plants big enough for themselves and future growth. Upgrades are in terms of both volume and technology. No matter where Trumbull goes there would be a need for an upgrade for capacity. Trumbull would have to invest on the treatment side as well as the pipeline to get there.

There have not been recent talks about Monroe, Monroe would have to go through Trumbull then to Bridgeport. The Chair noted they would have to partner with Trumbull.

The Commission discussed the 2010 Bridgeport number of \$385 million which would be approximately \$500 million in today's dollars which Trumbull would pay 25%. Trumbull could build their own plant and not deal with someone else financially for the same amount.

Ms. Kurtz confirmed Bridgeport was doing small projects to separate sewer and storm in 2012 but doesn't know where they are now. The \$385 million number came from a draft plan to the state. Ms. Kurtz doesn't know if that is still their plan.

Hartford is with multiple towns all the way up to Bradley and other Towns go through towns, it probably affects 10+ towns. Their rates go through the tax base and also in their water bill. It's a big number as much what is paid to Bridgeport. It is hard to get an actual number with the MDC. As a regional authority it works because the communities are similar. What is different about Bridgeport and Trumbull is that Bridgeport is a CSO (Combined Sewer Overflow), their storm and sewer are combined into their wastewater treatment. Hartford is the same as Norwich but Norwich is not part of the MDC.

There are two key issues that make it inequitable, Trumbull is paying for everything that happens in Bridgeport and Trumbull isn't using all of that, they have two treatment plants and 34 permanent overflows. If Trumbull paid for what they used it would be approximately 44% of what is being paid now. We pay based on water consumption, Trumbull uses a higher percentage of water than the Bridgeport users. If Trumbull paid on the percentage of wastewater what is paid would be 5%-6% less.

Wright Pierce's analysis of building a treatment plant including the operating cost showed it would be cost effective for Trumbull. What Wright Pierce ultimately recommends is a fair and equitable arrangement, whether it is a regional authority or a contract with Bridgeport. The arrangement now is not equitable. The current contract extension is approximately half way through.

Ms. Kurtz stated if the Town is moving forward and wants to do a treatment plant, the other thing Trumbull needs to do is talk to Bridgeport again noting there are different administrations in both towns since the last round of conversations. Bridgeport would lose \$6 million of their budget if Trumbull were to leave, which means the costs would have to be distributed amongst their people.

There were previous talks of storm utility. A Storm Utility has customers. Ms. Kurtz wasn't sure if the CSO work would be passed onto that. The conversations are old enough that they should be revisited. Most communities have their engineering department deal with the storm water. It is not common that a utility would deal with storm water. The storm water goes to rivers, and in Bridgeport it's combined.

If the Town had started back in 2018 the breakeven would be 2030, (approximately 20-25 years). The Commission noted that there is not a long term plan in place to ensure the bills from Bridgeport would not increase significantly. The discount that Trumbull is receiving now is a discount off of retail rates. Trumbull is treated as a customer, not a bulk purchaser of services. Trumbull contributes approximately 1/3 of the Bridgeport WPCA budget. When this arrangement was originally done costs weren't as expensive, it wasn't as unfair.

The traditional state funding if a plant was to be built is 20% grant and 80% loan, the nutrient removal part is 30% grant and 70% loan, if you became a regional authority it would be another 5% grant. When Wright Pierce did an analysis they assumed 20%-25% grant. When they did a sensitivity analysis to see what would happen if grant money went away it showed that it wouldn't make sense, the grant money is necessary to make building a treatment facility feasible.

Ms. Kurtz explained DEEP protects the environment and if one doesn't then they issue orders, or violations, and they can get the EPA involved. They can't make anyone do anything. Mr. Rengery stated they can fine you, and when you operate they will fine you every time you violate the discharge plan. Ms. Kurtz explained to the Commission that she didn't know that DEEP would stop the building of a plant, but assured the Commission they would work with DEEP from the beginning on what to do so that it wouldn't be difficult. The most difficult parts would be the discharge location, there will be a lot of testing. Planning for a new plant would be the longest piece of the timeline. Because of the impoundment and phosphorous discharging above the park wasn't discussed as a possibility. Of the three options looked at in the feasibility study the middle discharge location was selected. Mr. Estrada noted with the Steel Point development underway in

Bridgeport, discharging upstream from the development will create pushback. That will not be a given that would be granted as an outflow.

Ms. Kurtz explained there is nutrient removal, the traditional removals are nitrogen for everyone, phosphorous for some. The Town would have to get their pipe construction approved by Bridgeport's boards. Commissioner Rengery suggested discharging into the river in our town. Ms. Kurtz stated multiple studies would have to be done such as flow studies, and sampling takings.

Commissioner Greene summarized the discharge points considered were:

- Discharging in Town - Discharging below the park - Discharging into far downstream not quite to the sound

The current contract with Bridgeport has language that says Bridgeport will not hinder Trumbull from leaving for those types of things.

If Trumbull was to go to Fairfield the last estimated cost was \$130 million, most of that is pipe and treatment plant. Ms. Kurtz stated one of the key parts of the conversations with Fairfield was that Trumbull doesn't want to pay as the Fairfield people are paying, they want to pay for the percentage of our wastewater going to the treatment plant, and don't want to pay for capital costs in Fairfield. If they were to agree to those terms they could keep moving forward, it would be beneficial to Fairfield because they will have Trumbull to share in the operational and maintenance costs. It would be beneficial to Trumbull if they agree to this equitable way. Ms. Kurtz explained to the Commission there is a table that shows how they would like to split costs, but they have not gotten beyond that in discussions with Fairfield and confirmed the theory used in discussions is that Trumbull would pay for their treatment costs not the combined collection and treatment cost. Commissioner Greene explained that is what is wrong with Bridgeport agreement because we are paying for the entire system not just the treatment system we use. Ms. Kurtz explained Bridgeport users pay the same as Trumbull does while Trumbull pays that amount plus what is paid to Trumbull. Bridgeport is not maintaining Trumbull's system that is what is not fair or equitable.

The Commission noted the time to talk is now, not closer to the end of the contract. They need to understand that we can consider other options. Trumbull pays for Bridgeport's administrative services and their debt too. The First Selectman is the point person for the conversations. Mr. Estrada noted it is important to be in conversations with them now, the Town will need more time if they stay with Bridgeport or if they go in a different direction. Attorney Cordone explained the Commission is exploring other opportunities that are available and as Mr. Estrada suggested to keep two tracks open, begin conversations and continue in the process of investigating other opportunities either with Fairfield or building their own plant. Meanwhile conversations will take place with Trumbull's neighbors as well. Ms. Kurtz stated they could outline the next steps.

Ms. Kurtz explained the financial study has been updated as they have been working, but the information they have on the Bridgeport side is from what Arcadis got in 2011-2012. All of that should be re-looked at as well as talking to DEEP regarding the location. A location study for the plant and its discharge would need to be done.

Ms. Kurtz confirmed for the Commission at some point the Town should talk to Monroe.

The Chair questioned if there had been any technology advances that they should be looking into. Ms. Kurtz stated that goes in trends such as how you handle sludge. First we would need to know how much land we have first before a technology for treatment is chosen and confirmed the plant wouldn't be much different than plants that are in operation already. Commissioner Regnery noted we don't have an industrial waste load, which is a different from others. Ms. Kurtz noted there are some new things, such as using algae for treatment and new upcoming discharge requirements. Ms. Kurtz confirmed for the Chair that would be more in the design process.

Adjournment

There being no further business to discuss and upon motion made by Palo, seconded by Regnery the Trumbull Water Pollution Control Authority adjourned by unanimous consent at 8:12 p.m.

Respectfully Submitted,

Margaret D. Mastroni, Clerk

Town of Trumbull
Beardsley Pump Station Comprehensive Upgrade

Progress Meeting No. 14
Meeting Minutes

Date: January 16, 2020
Time: 9:00 am
Location: Public Works Administration Building; Meeting Room A

Health & Safety Moment – Don't lock yourself out of your house! Especially when it is dark and raining outside. Mistakes like this happen when you rush around and don't take your time.

1. Progress Meeting #13 Minutes were issued, no comments were received. As such, issued minutes will serve as the final version.
2. Contractor's Progress Since Last Meeting
 - a. Progressed with suction and discharge piping in the dry well, as well as into the wet well.
 - i. Arcadis noted the handwheel for Pump #2 suction side plug valve is to be rotated for accessibility.
 - b. Poured concrete wall buildouts in the wet well.
 - c. Progressed with new ceilings and door bond beams in control room.
 - d. Progressed with electrical work for instrumentation and power in the dry well.
 - e. Progressed with plumbing and drainage piping.
 - f. Installed wet well bypass pipe.
3. Planned Progress for Next Period
 - a. Kovacs estimates the station will remain on bypass for 6-8 more weeks. Bypass system will remain in place for approximately 2-weeks after the pumps have been tested and started up as a contingency measure.
 - b. Windows and grills are delivered and being painted. Windows are planned to be installed week of 1/20.
 - c. Concrete pour for fillets in center wet well is scheduled for 1/17.
 - d. Continue to progress with plumbing work.
 - e. Furniture is beginning to arrive.
 - f. Intend to paint the piping in the dry well and wet well within the next month.
 - g. Intend to pour concrete base supports for the pumps in dry well within the next month. Kovacs to inform Arcadis of the finalized date for inspection purposes.
4. Schedule
 - a. Kovacs to resubmit updated baseline schedule for review. Per ESDC Memo 001 and as discussed at the meeting, confirmation of project completion dates is required. It was noted that Change Order No. 1

includes a no cost time extension of 45 days associated with the work required for the existing Force Main repair.

- b. Kovacs to submit a 3-week look ahead of anticipated onsite activities. Kovacs to notify Arcadis of confirmed upcoming activities and Arcadis will notify and coordinate with the Town.

5. Status of Shop Drawings

- a. Under Review (Arcadis)
 - i. 10 51 00-001 Lockers and Bench – During the meeting, the color for the bench in the locker room was decided. The bench top will be light maple wood and the bench pedestals will be gray. Submittal comments will be returned subsequent to the progress meeting.
 - ii. 40 60 05-003 OIT Screens – This submittal was returned AAN prior to the progress meeting. No resubmittal required.
- b. To Be Submitted/Resubmitted For Approval (Kovacs)
 - i. 01 32 16-001 Updated Schedule
 - ii. 12 50 00-001 Furniture
 - iii. HVAC Re-Submittals - Kovacs is coordinating controls with M&O Corp. Kovacs will provide temporary means for air conditioning and dehumidification as needed if the new HVAC equipment is not available for start-up.
 - iv. To Be Submitted/Resubmitted For Record Purposes (Kovacs)
 1. 01 51 41-001 Bypass Submittal Package
 2. 05 52 15-001 Misc Metals
 3. 26 05 23-001 Instrumentation and Communication Cables – Horton will be submitting a future RFI requesting an alternative instrumentation cable.
 4. 26 05 73-001 Electrical Power Distribution Study
 5. 26 24 16-001 Panel boards
 6. 40 05 53-001 Valves

6. No RFIs currently under review.

- a. RFI 022 was returned 1/15. Due to the good condition of the existing protective coating in the wet well, Kovacs was directed to only coat the new concrete in the wet well. Kovacs to submit proposed coating product as well as termination detail for interface of new and existing coating.

7. RFPs/Change Orders

- a. Change Order #1 Approved and included in Payment Application #12.
- b. To Be Submitted
 - i. RFP 001 – Wet Well Ductwork (Cost) – Arcadis requested the PCO for RFP 001 be expedited in order to commence installation of the new wet well ductwork. This will ensure ventilation is continuously provided in the wet well.
 - ii. RFP 002 – Bathroom Layout Modifications (Credit) – *Please note, it has been discussed that EF-4 and CV-1 (previously*

deleted under RFP 002) will need to be provided in the locker room.

- iii. RFI 009 – CMU Wall Modifications (Credit) – to be revised and resubmitted.

8. Payment Application No. 12 approved and processed.
9. Coordination between parties
 - a. SCG Coordination – Kovacs to coordinate with SCG to furnish gas meter.
 - b. Kovacs to initiate requests for vendor support of startup activities, particularly for the pumps and the generator. Flygt is tentatively scheduled for the week of 2/24.
 - c. Kovacs to provide Arcadis with Horton’s availability for a site visit to coordinate gas detection equipment installation.
10. Safety. No items or concerns noted.
11. Other Business
 - a. HVAC Coordination Update – Kovacs is coordinating controls with M&O Corp and moving forward with PLC control.
 - b. Arcadis noted that the electrical conduit installed adjacent to the concrete column in the Pump Room may conflict with the side mounted handrail to be installed. Kovacs to review and coordinate with QSR and Horton.
 - c. Kovacs to follow up with standard demolition on date of hazardous material dumpster removal. Kovacs to inform the Town of scheduled removal date for signing of the manifest.
 - d. Arcadis requested the stilling wells be installed 3’ AFF. Additionally, the stilling well in the north section of the wet well will be relocated closer to the walkway for ease of access.
 - e. Arcadis to begin coordinating instrumentation set points for pump control levels for review with the Town in preparation for start-up.
 - f. Arcadis and Kovacs to review options for cleaning the wet well chimney and the existing boiler chimney.
 - g. The Town confirmed that the existing Pump Station plaque should be left in place in addition to the new plaque requested.
 - h. After review of photos taken during the design phase of the existing air release valves on Seltsam Road and Reservoir Avenue, Kovacs expressed concern with the condition of the existing isolation valves. A site visit will be scheduled to inspect the valves and develop a contingency plan when performing the work.
 - i. Traffic control and coordination with the City of Bridgeport Police is required for the work.
 - ii. The Town noted the lowest flows through the force main are between 3AM and 6AM.
 - iii. The air release valves should be replaced prior to bringing the new pumps online at the Pump Station.

Next Meeting: February 6, 2020

Town of Trumbull WPCA
Beardsley Pump Station Comprehensive Upgrade
SUBMITTAL LOG

Count	Submittal No.	Submittal Title	Received Date	Returned date	Status
1	01 29 73-001-B	Schedule of Values	11/5/2018	11/8/2018	APP
2	01 31 13-001-B	Layout Drawings	5/10/2019	6/29/2019	AAN
3	01 32 16-001-B	Updated Schedule	3/6/2019	3/25/2019	AANR
79	01 32 33-001-B	Progress Photos	12/17/2019	12/17/2019	RACK
5	01 33 00-001-A	Schedule of Submittals	10/10/2018	10/29/2018	RACK
6	01 33 00-002-A	HASP Submittal	3/6/2019	3/26/2019	RACK
7	01 51 41-001-A	Line Stop for Temporary Pumping	3/6/2019	4/10/2019	AAN
8	01 51 41-002-A	Bypass Pumping	5/10/2019	6/20/2019	AANR
9	02 41 19-001-A	Fuel Oil UG Storage Tank Removal	10/2/2019	10/3/2019	RACK
10	02 82 32-001-A	Asbestos Abatement Work Plan	4/22/2019	5/6/2019	RACK
11	02 83 19-001-A	PCB Abatement Work Plan	4/22/2019	5/6/2019	RACK
12	03 00 05-001-A	Concrete Reinforcing	4/1/2019	4/8/2019	AAN
84	03 00 05-002-B	Concrete Mix Design	1/2/2020	1/3/2020	AANR
14	03 01 30-001-A	Concrete Repair	3/28/2019	3/29/2019	APP
15	04 00 05-001-B	Masonry	5/31/2019	6/4/2019	AAN
16	05 52 15-001-C	Misc Metals	10/2/2019	10/21/2019	AANR
17	05 54 13-001-A	Floor Plates	8/22/2019	9/30/2019	AAN
18	08 11 13-001-C	Doors and Hardware	12/30/2019	1/2/2020	AAN
68	08 11 13-002-A	Door 105-2 Change Order	10/15/2019	10/15/2019	AAN
19	08 51 13-001-B	Aluminum Windows	8/19/2019	9/4/2019	AAN
20	08 51 13-002.1-A	Window Sample and Color Chart	6/24/2019	7/2/2019	AAN
87	08 51 13-002.2-A	Window Grids	1/6/2020	1/14/2020	RACK
78	08 90 00-001-D	Fixed Louvers Record Submittal	12/16/2019	12/16/2019	RACK
22	09 91 00-001-C	Painting	11/28/2018	11/28/2018	AAN
86	10 51 00-001-B	Lockers and Bench	1/6/2020		
23	12 50 00-001-A	Furniture	11/18/2019	12/3/2019	RAR
24	19 11 15-001-A	Waste Profile	11/15/2019	12/3/2019	RACK
25	22 40 00-001-C	Misc Plumbing	8/12/2019	9/16/2019	AAN
26	23 05 29-001-A	HVAC Support Package	11/5/2018	11/27/2018	AANR
27	23 05 93-001-A	Balancer Prequal	11/5/2018	11/27/2018	RAR
28	23 07 19-001-B	HVAC Insulation	1/24/2019	2/4/2019	AAN
82	23 31 13-001-B	Motorized Dampers	12/23/2019	1/3/2020	AAN
30	23 31 13-002-B	Metal Ductwork	1/24/2019	1/25/2019	APP
31	23 34 05-001-C	HVAC Fans	11/12/2019	11/14/2019	APP
32	23 52 16-001-A	Condensing Boilers	2/8/2019	2/25/2019	RAR
33	23 73 13-001-B	Air Handling Unit	1/24/2019	2/4/2019	AAN
34	23 81 26-001-B	Ductless Air Conditioning	1/24/2019	1/31/2019	AAN
83	23 82 39.16-001-C	Hot Water Unit Heaters	12/31/2019	1/6/2020	AANR
74	23 82 39.43-001-B	Electric Unit Heaters	12/6/2019	12/10/2019	RAR
37	26 05 19-001-A	Low Voltage Power Conductors	11/5/2018	11/9/2018	APP
38	26 05 23-001-A	Instrumentation and Controls Cable	11/5/2018	11/29/2018	RAR
39	26 05 26-001-A	Grounding and Bonding	11/5/2018	11/9/2018	APP
40	26 05 33-001-A	Ridged, Flex Conduit Seal Fitting	11/5/2018	11/9/2018	AAN
41	26 05 43-001-A	Underground Ductbanks for Electrical System	11/5/2018	11/9/2018	APP
42	26 05 45-001-A	Transformer Pad	6/7/2019	6/18/2019	AAN

Town of Trumbull WPCA
Beardsley Pump Station Comprehensive Upgrade
SUBMITTAL LOG

Count	Submittal No.	Submittal Title	Received Date	Returned date	Status
43	26 05 53-001-A	Identification for Electrical System	11/5/2018	11/9/2018	AAN
44	26 05 73-001-A	Electrical Power Distribution Study	3/4/2019	3/25/2019	RAR
45	26 22 14-001-A	Low Voltage Transformer	12/14/2018	12/17/2018	APP
46	26 24 16-001-A	Panel Boards	12/14/2018	12/18/2018	AANR
47	26 24 16-002-B	Main Disconnect Switch	3/28/2019	4/11/2019	APP
48	26 24 19-001-B	MCC	12/14/2018	1/4/2018	AAN
49	26 27 26-001-A	Receptacles and Switches	11/5/2018	11/13/2018	AAN
50	26 29 33-001-B	VFDs	12/11/2018	12/12/2018	APP
51	26 32 13-001-B	Generator	1/17/2019	3/8/2019	AAN
52	26 32 13-002-A	Gas Regulator for Generator	9/17/2019	9/23/2019	APP
53	26 36 23-001-A	ATS	3/14/2019	3/15/2019	APP
54	26 36 23-002-A	Combo Unit MTS	4/1/2019	4/11/2019	APP
55	26 50 00-001-B	Lighting	12/11/2018	12/12/2018	APP
56	31 00 00-001-A	Fencing	11/29/2018	12/3/2018	APP
57	33 41 00-001-A	Manhole Frame and Cover, Cleanout, Trench Drain Grate	3/26/2019	4/2/2019	AAN
58	40 05 05-001-A	Duck Bill Check Valve	6/12/2019	6/26/2019	APP
59	40 05 07-001-A	Pipe Supports	8/16/2019	9/6/2019	APP
60	40 05 52-001-A	Check, Plug, and Air Release Valves	11/29/2018	1/4/2019	AANR
61	40 05 53-002-A	Valve O&M	11/18/2019	11/20/2019	AAN
62	40 60 05-001-C	Gas Detection System	9/11/2019	9/23/2019	APP
63	40 60 05-002-C	Main and Level Indicator Panels	10/2/2019	10/20/2019	APP
85	40 60 05-003-B	OIT Screens	1/2/2020		
65	40 60 05-004-A	Factory Acceptance Test Procedure	10/17/2019	10/21/2019	AAN
80	40 60 05-005-A	Instrumentation and Controls O&M Manual	12/18/2019	1/2/2020	RAR
66	41 22 23-001-B	Hoisting Equipment	11/15/2019	11/20/2019	AAN
67	43 21 39.13-002-B	Low Capacity Pump Curves	3/20/2019	3/25/2019	RACK
68	43 21 39.13-003-A	Pump Cradles for High Capacity Pumps	3/14/2019	3/15/2019	RACK
69	43 21 39.13-004-A	High Capacity Pump Curves	5/15/2019	5/15/2019	RACK
77	43 21 39.13-005-B	Flygt Pump O&M Manuals	12/12/2019	12/18/2019	AAN
71	43 21 39-001-B	Flygt Pumps	1/17/2019	1/23/2019	AAN
72	43 26 21-001-B	Aluminum Slide Gates	4/23/2019	5/1/2019	APP
73	43 26 21-002-A	Slide Gate O&M	11/18/2019	11/20/2019	AAN

LEGEND	
APP	Approved
AAN	Approved As Noted
AANR	Approved As Noted, Resubmit
RAR	Revise and Resubmit
RACK	Receipt Acknowledged

Town of Trumbull WPCA
 Beardsley Pump Station Comprehensive Upgrade
 RFI LOG

RFI No	Subject	Received Date	Returned Date
1	Electrical Room Layout	1/18/2019	1/22/2019
2	Louvers	1/24/2019	2/4/2019
3	Gas Sensor Wiring	2/27/2019	2/27/2019
4	Pressure Transmitter Location	3/4/2019	3/19/2019
5	Stilling Well Perforations	3/4/2019	3/19/2019
6	Proximity Switch	3/4/2019	4/8/2019
7	12" x 12" Gates	3/15/2019	3/19/2019
8	Floor Hatch Installation	5/6/2019	6/12/2019
9	CMU Wall at Back Floor Hatch	5/6/2019	7/30/2019
10	Trumbull Window Replacement	5/6/2019	5/7/2019
11	Odor Control Room Floor Drain	5/7/2019	5/7/2019
12	Aluminum Windows	5/17/2019	5/29/2019
13	Design Pressure for Supports/Hangers	6/7/2019	6/12/2019
14	Mission Control	6/7/2019	6/19/2019
15	Modbus Addresses	6/7/2019	RETRACTED
16	Door 105-2 Detail	9/11/2019	9/16/2019
17	Feeder Conduits to Pumps	10/7/2019	10/16/2019
18	Factory Acceptance Testing	10/11/2019	10/11/2019
19	Power Service Information	10/11/2019	10/17/2019
20	Pump Terminal Boxes	10/16/2019	10/18/2019
20A	Pump Terminal Boxes	10/18/2019	10/21/2019
21	Electrical Lighting Plan	12/16/2019	12/16/2019
22	Coatings in Wet Well	1/10/2020	1/14/2020

Town of Trumbull WPCA
 Beardsley Pump Station Comprehensive Upgrade
 Change Order Log

Document ID	Document #	Description	Date	Status	Cost Impact (Credit, Extra, No-cost)
RFP	1	Wet Well Inline fan and Ductwork	11/27/2018	waiting for costs	
RFP	2	Revised Restroom Layout	2/13/2019	waiting for credit	
RFP	3	Delete Outside Concrete Stairs	7/12/2019	CO1	(\$15,078.00)
RFP	4	Pump Room Floor Drains	10/2/2019	CO1	(\$2,786.45)
RFI	3	Gas Detection Wiring	2/27/2019	CO1	\$756.00
RFI	6	Proximity Switch	4/8/2019	CO1	(\$1,852.20)
RFI	9	CMU Wall Modifications	7/30/2019	waiting for credit	
Submittal	26 36 23-002	MTS Combo Unit	4/10/2019	CO1	\$3,305.93
Submittal	22 40 00-001	PVC Drain Pipes	6/19/2019	CO1	(\$6,500.00)
Submittal	41 22 23-001	Low Profile Hoist	7/10/2019	CO1	\$17,004.75
Submittal	08 51 13-001	Aluminum Windows - Security Grate	8/19/2019	CO1	\$4,935.00
Submittal	05 54 13-001	Pump Hatch Floor Plates	9/30/2019	CO1	\$0.00
Field		VFD to Pump CBV	3/5/2019	CO1	\$9,474.15
Field		Force Main Repairs	7/19/2019	CO1	\$139,589.46
Field		Full Sized Neutral per UI	10/15/2019	CO1	\$2,287.01
Field		Pave Park Area	11/18/2019	CO1	\$5,861.63
Field		Column Connections	11/27/2019	CO1	\$3,061.59
				Total	\$160,058.87

Town of Trumbull
Beardsley Pump Station Comprehensive Upgrade

PROGRESS MEETING No. 14
Sign-In Sheet

Date: January 16, 2020
Time: 9:00 am
Location: Public Works Administration Building; Meeting Room A

<i>Name</i>	<i>Company</i>
Allison Zeoli	Arcadis
Fred Michn	trumbull
Buc MAURER	TOWN OF TRUMBULL
Marc Bouchard	Horton Elec
Brian Coderre	Kovacs
Wanda McGarry	KCC
Vanessa McPherson	Arcadis

Trumbull's master sewer plan (late 1960's) included a plan to construct sewers to Bridgeport with the FUTURE idea of constructing it's own WPCF.

Early 1970's: Bridgeport-Trumbull Interceptor (BTI) from Trumbull to Bridgeport to West Side Plant.

Trumbull shares in all the Bridgeport WPCA costs:

- This includes Bridgeport's: collection, transportation, treatment and combined sewers (CSOs)
- Trumbull customer pays the same rate as a Bridgeport customer + Trumbull's costs
- Trumbull customer does not get the same service as a Bridgeport customer
- This arrangement is not fiscally equitable

2010 Draft Bridgeport Long Term Control Plan ~ \$385 million (2010 dollars) for dealing with combined sewers over 20 or 30 years depending on financing. Trumbull will pay a portion of the costs even though not contributing to the problem.

In 2009, as a prelude to a possible new regional authority, Bridgeport sends letter to Trumbull notifying intent to terminate contract June 30, 2012.

2010 – Trumbull Tri-Board meeting; Bridgeport presents a plan for a new regional authority and presents a detailed financial model. Although Trumbull only learned about this at this time, the new regional authority was underway for some time.

2011 - Wright-Pierce prepared a Feasibility Study – outlining 4 Options for Trumbull:

1. **RECOMMENDED:** continue discharging to Bridgeport with a more equitable \$\$
 - a. Continue with a contract arrangement, modify terms
 - b. Create a new regional authority
 - Regionalization discussions started in 2010; proposed plan did not prove to be fiscally beneficial to Bridgeport or Trumbull
 - Discussions through signing of current contract; no further progress
2. Construct a new Trumbull WPCF (with discharge location in Bridgeport)
 - Determined to be technically feasible
3. Construct interceptors to Stratford and upgrade plant
 - Option investigated at a high level, Stratford not interested at the time
4. Construct interceptors to Fairfield and upgrade plant
 - Option investigated at a high level
 - Initial meetings have occurred with Fairfield and some details discussed

Monday, January 27, 2020

To Whom It May Concern:

I am requesting to be put on the agenda for the February 26th WPCA meeting. This is a follow up to my hearing at the January meeting; regarding the sewer connection for the new construction at 11 Rexview circle.

Thank you,

A handwritten signature in blue ink, appearing to read 'A. Iacurci', is positioned above the typed name.

**Arthur Iacurci
9 Rexview circle
(203) 268-2280**

Town of Trumbull
Beardsley Pump Station Comprehensive Upgrade

Progress Meeting No. 15
Meeting Minutes

Date: February 6, 2020

Time: 9:00 am

Location: Public Works Administration Building; Meeting Room A

Health & Safety Moment – Use caution microwaving in Cardboard/Paper cups and straws due to coating/lining materials that may be used in manufacturing of these products.

1. Progress Meeting #14 Minutes were issued, no comments were received. As such, issued minutes will serve as the final version.
2. Contractor's Progress Since Last Meeting
 - a. Completed suction and discharge piping in the dry well, as well as into the wet well.
 - b. Installed new windows and new window security grating.
 - c. Completed garage floor penetration for HVAC installation into the Pump Area.
 - d. Progressed with door installation. Kovacs noted that a single new lock style will be provided for the Pump Station as coordinated with the Town.
 - e. Poured concrete base support pads for the new pumps.
 - i. Kovacs to submit Concrete Materials Testing Results for all concrete pours.
 - ii. It was noted that the concrete base supports for the low capacity pumps had voids in the concrete. Kovacs to chip back the damaged portion, fill with non-shrink grout, and provide a minimum of 2" of coverage over the rebar.
 - f. Progressed with electrical work for instrumentation and power in the dry well.
 - g. Progressed with coatings in the wet well and painting in the garage area.
 - h. Progressed with plumbing and drainage piping.
 - i. Miscellaneous metals installation is in progress.
 - j. Stilling well and level instruments have been installed per Arcadis field direction.
 - k. Hazardous Material Dumpster was removed from the project site by Standard Demolition on 1/29. Kovacs noted the existing generator will be removed from the site within the next week.
 - l. Completed force main repair in Beardsley Park. The Town was contacted about a break near the low point of the force main, and Kovacs responded to assist.

3. Planned Progress for Next Period

- a. Kovacs estimates the station will remain on bypass until the end of the month (rental is scheduled for pickup by Godwin on 2/27). Arcadis reminded that the bypass system is to remain in place after the pumps have been tested and started up as a contingency measure for at least one week.
- b. Continue to progress with plumbing and electrical work.
- c. Complete miscellaneous metals installation, including new bar screens.
- d. Furniture is beginning to arrive.
- e. Pressure test and paint the piping in the dry well.
- f. System Start-up is anticipated for the week of 2/24. Kovacs to inform the Town and Arcadis of actual dates when scheduled.
 - i. ABB and GA Fleet Representatives will be scheduled to be onsite for start-up activities.
 - ii. Start-up is dependent on SCG correction of regulator for gas service to generator.
- g. Low capacity pumps will be delivered to the site on 2/7 and installed on 2/10. The high capacity pumps will be delivered and installed on 2/13. QuickPick will be on site to assist with installation of the large pumps.

4. Schedule

- a. Kovacs to resubmit updated baseline schedule for review.
- b. Kovacs to submit a 3-week look ahead of anticipated onsite activities. Kovacs to notify Arcadis of confirmed upcoming activities and Arcadis will notify and coordinate with the Town.

5. Status of Shop Drawings

- a. Under Review (Arcadis)
 - i. 23 82 39.16-001 Hot Water Unit Heaters – *returned subsequent to progress meeting.*
 - ii. 23 92 39.43-001 Electric Unit Heaters – *returned subsequent to progress meeting.*
- b. To Be Submitted/Resubmitted For Approval (Kovacs)
 - i. 01 32 16-001 Updated Schedule
 - ii. 12 50 00-001 Furniture
 - iii. 23 05 29-001 HVAC Supports Package
- c. To Be Submitted/Resubmitted For Record Purposes (Kovacs)
 - i. Refer to Submittal Log
 - ii. Arcadis noted the Generator O&M is yet to be submitted.

6. No RFIs currently under review.

- a. RFI 023 Bar Racks – *a site visit was held subsequent to the progress meeting to review RFI 023 regarding the new bar racks. Arcadis will provide a formal response detailing the discussion.*

7. RFPs/Change Orders

- a. To Be Submitted
 - i. RFP 001 – Wet Well Ductwork (Cost) – Arcadis requested the PCO for RFP 001 be expedited in order to commence installation

- of the new wet well ductwork. This will ensure ventilation is continuously provided in the wet well.
- ii. RFP 002 – Bathroom Layout Modifications (Credit) – *Please note, it has been discussed that EF-4 and CV-1 (previously deleted under RFP 002) will need to be provided in the locker room.*
 - iii. RFI 009 – CMU Wall Modifications (Credit) – to be revised and resubmitted.
8. Payment Application No. 13 approved and being processed.
9. Coordination between parties
- a. SCG Coordination – Kovacs to coordinate with SCG on regulator correction for gas service to generator.
 - b. Kovacs to initiate requests for vendor support of startup activities, particularly for the pumps and the generator. Flygt is tentatively scheduled for the week of 2/24.
10. Safety. No items or concerns noted.
11. Other Business
- a. Arcadis noted that the electrical conduit installed adjacent to the concrete column in the Pump Room may conflict with the side mounted handrail to be installed. *Subsequent to the progress meeting, Arcadis and Kovacs reviewed the conflict in the field. It was determined that only the inner portion of the handrail will extend past the concrete beam to avoid the electrical conduits. Additionally, a metal plate will be installed to cover the opening next to the electrical conduits as a safety precaution.*
 - b. Arcadis to begin coordinating instrumentation set points for pump control levels for review with the Town in preparation for start-up.
 - c. Kovacs to continue coordinating options for cleaning the wet well chimney and the existing boiler chimney.
 - d. The Town confirmed that the existing Pump Station plaque should be left in place in addition to the new plaque requested.
 - e. Kovacs noted new Door 106-1 and 103-1 will need to be modified for installed into the existing opening. *Subsequent to the progress meeting, Kovacs informed Arcadis the new Door and Frame for Door 106-1 will be cut 2" to fit inside the existing opening. Subsequent to the progress meeting, Arcadis confirmed it is acceptable for the Contractor to mount the new frame for Door 103-1 to the existing frame.*
 - f. Kovacs noted that there is an extra port on the discharge lines just downstream of the pump volutes, and has proposed installation of an Air Release Valve in these locations. Arcadis to review and advise.
 - g. Seltsam Road and Reservoir Avenue Replacement Air Release Valves
 - i. A site visit was performed to review the actual condition of the existing air release valves at Seltsam Road and Reservoir Road.
 - ii. At Seltsam Road, the isolation valve was operable.

- iii. At Reservoir Ave, the isolation valve was not operable. In order to replace this ARV, a plan to break pressure in or drain the force main must be developed. Additionally, the manhole will require realignment.
- h. A discussion was held regarding the recent force main break in the Beardsley Park area and the urgency to review the condition of the existing force main. Kovacs noted the break appeared result from deterioration on the bottom of the pipe, as this portion of the pipe was at a low point in the system. Kovacs also noted that deterioration was seen for a length of pipe in either direction from the actual break point. The Town requested that Arcadis investigate options for a condition assessment of the existing force main.

Next Meeting: March 11, 2020

Town of Trumbull WPCA
Beardsley Pump Station Comprehensive Upgrade
SUBMITTAL LOG

Count	Submittal No.	Submittal Title	Received Date	Returned date	Status
1	01 29 73-001-B	Schedule of Values	11/5/2018	11/8/2018	APP
2	01 31 13-001-B	Layout Drawings	5/10/2019	6/29/2019	AAN
3	01 32 16-001-B	Updated Schedule	3/6/2019	3/25/2019	AANR
4	01 32 33-001-B	Progress Photos	12/17/2019	12/17/2019	RACK
5	01 33 00-001-A	Schedule of Submittals	10/10/2018	10/29/2018	RACK
6	01 33 00-002-A	HASP Submittal	3/6/2019	3/26/2019	RACK
7	01 51 41-001-A	Line Stop for Temporary Pumping	3/6/2019	4/10/2019	AAN
8	01 51 41-002-A	Bypass Pumping	5/10/2019	6/20/2019	AANR
9	02 41 19-001-A	Fuel Oil UG Storage Tank Removal	10/2/2019	10/3/2019	RACK
10	02 82 32-001-A	Asbestos Abatement Work Plan	4/22/2019	5/6/2019	RACK
11	02 83 19-001-A	PCB Abatement Work Plan	4/22/2019	5/6/2019	RACK
12	03 00 05-001-A	Concrete Reinforcing	4/1/2019	4/8/2019	AAN
13	03 00 05-002-B	Concrete Mix Design	1/2/2020	1/3/2020	AANR
14	03 01 30-001-A	Concrete Repair	3/28/2019	3/29/2019	APP
15	03 01 30-002-A	Mortar for Suction Lines	12/9/2019	12/10/2019	AAN
16	03 01 30-003-A	Wet Well Coating	1/20/2020	1/24/2020	APP
17	04 00 05-001-B	Masonry	5/31/2019	6/4/2019	AAN
18	05 52 15-001-C	Misc Metals	10/2/2019	10/21/2019	AANR
19	05 54 13-001-A	Floor Plates	8/22/2019	9/30/2019	AAN
20	08 11 13-001-C	Doors and Hardware	12/30/2019	1/2/2020	AAN
21	08 11 13-002-A	Door 105-2 Change Order	10/15/2019	10/15/2019	AAN
22	08 51 13-001-B	Aluminum Windows	8/19/2019	9/4/2019	AAN
23	08 51 13-002.1-A	Window Sample and Color Chart	6/24/2019	7/2/2019	AAN
24	08 51 13-002.2-A	Window Grids	1/6/2020	1/14/2020	RACK
25	08 90 00-001-D	Fixed Louvers Record Submittal	12/16/2019	12/16/2019	RACK
26	09 91 00-001-C	Painting	11/28/2018	11/28/2018	AAN
27	10 51 00-001-C	Lockers and Bench	2/3/2020	2/4/2020	APP
28	12 50 00-001-A	Furniture	11/18/2019	12/3/2019	RAR
29	19 11 15-001-A	Waste Profile	11/15/2019	12/3/2019	RACK
30	22 40 00-001-C	Misc Plumbing	8/12/2019	9/16/2019	AAN
31	23 05 29-001-A	HVAC Support Package	11/5/2018	11/27/2018	AANR
32	23 05 93-001-A	Balancer Prequal	11/5/2018	11/27/2018	RACK
33	23 07 19-001-B	HVAC Insulation	1/24/2019	2/4/2019	AAN
34	23 31 13-001-B	Motorized Dampers	12/23/2019	1/3/2020	AAN
35	23 31 13-002-B	Metal Ductwork	1/24/2019	1/25/2019	APP
36	23 34 05-001-C	HVAC Fans	11/12/2019	11/14/2019	APP
37	23 52 16-001-A	Condensing Boilers	2/8/2019	2/25/2019	RAR
38	23 73 13-001-B	Air Handling Unit	1/24/2019	2/4/2019	AAN
39	23 81 26-001-B	Ductless Air Conditioning	1/24/2019	1/31/2019	AAN
40	23 82 39.16-001-D	Hot Water Unit Heaters	2/3/2020		
41	23 82 39.43-001-C	Electric Unit Heaters	2/3/2020		
42	26 05 19-001-A	Low Voltage Power Conductors	11/5/2018	11/9/2018	APP
43	26 05 23-001-A	Instrumentation and Controls Cable	11/5/2018	11/29/2018	RAR
44	26 05 26-001-A	Grounding and Bonding	11/5/2018	11/9/2018	APP

Town of Trumbull WPCA
Beardsley Pump Station Comprehensive Upgrade
SUBMITTAL LOG

Count	Submittal No.	Submittal Title	Received Date	Returned date	Status
45	26 05 33-001-A	Ridged, Flex Conduit Seal Fitting	11/5/2018	11/9/2018	AAN
46	26 05 43-001-A	Underground Ductbanks for Electrical System	11/5/2018	11/9/2018	APP
47	26 05 45-001-A	Transformer Pad	6/7/2019	6/18/2019	AAN
48	26 05 53-001-A	Identification for Electrical System	11/5/2018	11/9/2018	AAN
49	26 05 73-001-A	Electrical Power Distribution Study	3/4/2019	3/25/2019	RAR
50	26 22 14-001-A	Low Voltage Transformer	12/14/2018	12/17/2018	APP
51	26 24 16-001-A	Panel Boards	12/14/2018	12/18/2018	AANR
52	26 24 16-002-B	Main Disconnect Switch	3/28/2019	4/11/2019	APP
53	26 24 19-001-B	MCC	12/14/2018	1/4/2019	AAN
54	26 27 26-001-A	Receptacles and Switches	11/5/2018	11/13/2018	AAN
55	26 29 33-001-B	VFDs	12/11/2018	12/12/2018	APP
56	26 32 13-001-B	Generator	1/17/2019	3/8/2019	AAN
57	26 32 13-002-A	Gas Regulator for Generator	9/17/2019	9/23/2019	APP
58	26 36 23-001-A	ATS	3/14/2019	3/15/2019	APP
59	26 36 23-002-A	Combo Unit MTS	4/1/2019	4/11/2019	APP
60	26 50 00-001-B	Lighting	12/11/2018	12/12/2018	APP
61	31 00 00-001-A	Fencing	11/29/2018	12/3/2018	APP
62	33 41 00-001-A	Manhole Frame and Cover, Cleanout, Trench Drain Grate	3/26/2019	4/2/2019	AAN
63	40 05 05-001-A	Duck Bill Check Valve	6/12/2019	6/26/2019	APP
64	40 05 07-001-A	Pipe Supports	8/16/2019	9/6/2019	APP
65	40 05 52-001-A	Check, Plug, and Air Release Valves	11/29/2018	1/4/2019	AANR
66	40 05 53-002-A	Valve O&M	11/18/2019	11/20/2019	AAN
67	40 60 05-001-C	Gas Detection System	9/11/2019	9/23/2019	APP
68	40 60 05-002-C	Main and Level Indicator Panels	10/2/2019	10/20/2019	APP
69	40 60 05-003-B	OIT Screens	1/2/2020	1/15/2020	AAN
70	40 60 05-004-A	Factory Acceptance Test Procedure	10/17/2019	10/21/2019	AAN
71	40 60 05-005-A	Instrumentation and Controls O&M Manual	12/18/2019	1/2/2020	RAR
72	41 22 23-001-B	Hoisting Equipment	11/15/2019	11/20/2019	AAN
73	43 21 39.13-002-B	Low Capacity Pump Curves	3/20/2019	3/25/2019	RACK
74	43 21 39.13-003-A	Pump Cradles for High Capacity Pumps	3/14/2019	3/15/2019	RACK
75	43 21 39.13-004-A	High Capacity Pump Curves	5/15/2019	5/15/2019	RACK
76	43 21 39.13-005-B	Flygt Pump O&M Manuals	12/12/2019	12/18/2019	AAN
77	43 21 39-001-B	Flygt Pumps	1/17/2019	1/23/2019	AAN
78	43 26 21-001-B	Aluminum Slide Gates	4/23/2019	5/1/2019	APP
79	43 26 21-002-A	Slide Gate O&M	11/18/2019	11/20/2019	AAN

LEGEND	
APP	Approved
AAN	Approved As Noted
AANR	Approved As Noted, Resubmit
RAR	Revise and Resubmit
RACK	Receipt Acknowledged

Town of Trumbull WPCA
 Beardsley Pump Station Comprehensive Upgrade
 RFI LOG

RFI No	Subject	Received Date	Returned Date
1	Electrical Room Layout	1/18/2019	1/22/2019
2	Louvers	1/24/2019	2/4/2019
3	Gas Sensor Wiring	2/27/2019	2/27/2019
4	Pressure Transmitter Location	3/4/2019	3/19/2019
5	Stilling Well Perforations	3/4/2019	3/19/2019
6	Proximity Switch	3/4/2019	4/8/2019
7	12" x 12" Gates	3/15/2019	3/19/2019
8	Floor Hatch Installation	5/6/2019	6/12/2019
9	CMU Wall at Back Floor Hatch	5/6/2019	7/30/2019
10	Trumbull Window Replacement	5/6/2019	5/7/2019
11	Odor Control Room Floor Drain	5/7/2019	5/7/2019
12	Aluminum Windows	5/17/2019	5/29/2019
13	Design Pressure for Supports/Hangers	6/7/2019	6/12/2019
14	Mission Control	6/7/2019	6/19/2019
15	Modbus Addresses	6/7/2019	RETRACTED
16	Door 105-2 Detail	9/11/2019	9/16/2019
17	Feeder Conduits to Pumps	10/7/2019	10/16/2019
18	Factory Acceptance Testing	10/11/2019	10/11/2019
19	Power Service Information	10/11/2019	10/17/2019
20	Pump Terminal Boxes	10/16/2019	10/18/2019
20A	Pump Terminal Boxes	10/18/2019	10/21/2019
21	Electrical Lighting Plan	12/16/2019	12/16/2019
22	Coatings in Wet Well	1/10/2020	1/14/2020
23	Bar Racks	2/5/2020	Under Review

Town of Trumbull WPCA
Beardsley Pump Station Comprehensive Upgrade
Change Order Log

Document ID	Document #	Description	Date	Status	Cost Impact (Credit, Extra, No-cost)
RFP	1	Wet Well Inline fan and Ductwork	11/27/2018	waiting for costs	
RFP	2	Revised Restroom Layout	2/13/2019	waiting for credit	
RFP	3	Delete Outside Concrete Stairs	7/12/2019	CO1	(\$15,078.00)
RFP	4	Pump Room Floor Drains	10/2/2019	CO1	(\$2,786.45)
RFI	3	Gas Detection Wiring	2/27/2019	CO1	\$756.00
RFI	6	Proximity Switch	4/8/2019	CO1	(\$1,852.20)
RFI	9	CMU Wall Modifications	7/30/2019	waiting for credit	
Submittal	26 36 23-002	MTS Combo Unit	4/10/2019	CO1	\$3,305.93
Submittal	22 40 00-001	PVC Drain Pipes	6/19/2019	CO1	(\$6,500.00)
Submittal	41 22 23-001	Low Profile Hoist	7/10/2019	CO1	\$17,004.75
Submittal	08 51 13-001	Aluminum Windows - Security Grate	8/19/2019	CO1	\$4,935.00
Submittal	05 54 13-001	Pump Hatch Floor Plates	9/30/2019	CO1	\$0.00
Field		VFD to Pump CBV	3/5/2019	CO1	\$9,474.15
Field		Force Main Repairs	7/19/2019	CO1	\$139,589.46
Field		Full Sized Neutral per UI	10/15/2019	CO1	\$2,287.01
Field		Pave Park Area	11/18/2019	CO1	\$5,861.63
Field		Column Connections	11/27/2019	CO1	\$3,061.59
Field		CT Cabinet Concrete Pad	2/4/2020	Under Review	\$3,798.33
				Total	\$163,857.20

Town of Trumbull
Beardsley Pump Station Comprehensive Upgrade

PROGRESS MEETING No. 15
Sign-In Sheet

Date: February 6, 2020
Time: 9:00 am
Location: Public Works Administration Building; Meeting Room A

<i>Name</i>	<i>Company</i>
Allison Zeoli	Arcadis
Ben MAURER	TOT
Brian Codette	KCC
Wanda McGary	KCC
Vanessa McPherson	Arcadis
Tom Kovacs	KCC
George Stroob	Team PW
John Marileo	Trumb PW