



TOWN OF UXBRIDGE
WWTF BUILDING COMMITTEE
UXBRIDGE, MASSACHUSETTS 01569

Chairman Dale Bangma
Vice Chair Joe Marchand
Eugene O'Rourke
Dan Hicks
William Kessler

Benn Sherman (Ad hoc)
Jim Legg (Ad hoc)

MEETING MINUTES

APR 24 '19 PM 6:25

MEETING DATE: February 13, 2019
MEETING LOCATION: Lower Town Hall Meeting Room, 21 South Main Street

COMMITTEE MEMBERS PRESENT:

Dale Bangma
Dan Hicks
Eugene O'Rourke
William Kessler

Received by
Uxbridge
Town Clerk

OTHERS IN ATTENDANCE:

Jim Legg	Wastewater Operations Supervisor
Sandy Tripp	Project Designer (GHD)
Laurie Toscano	OPM (Weston & Sampson Engineers)
Frank Woodfall	Resident Project Representative (Keville)

I. CALL TO ORDER

It being 5:03 p.m., the meeting being properly posted, duly called and a quorum being present, the Chair, Mr. Bangma, called the meeting to order.

II. OLD BUSINESS

None

III. NEW BUSINESS

A. Citizens Comments

None

B. Acceptance of Meeting Minutes

Pass over

C. Project Updates by Owner's Project Manager and Project Engineer

Ms. Toscano (OPM) distributed the OPM status report to the Committee. This report includes activities from the month of January.

West River Pump Station (WRPS): The project team has continued to meet with the Contractor to discuss the past costs, in addition to the future costs to complete are ongoing. Mr. Kessler asked about the alternate plan should the negotiations fail. Mr. Legg explained the existing station continues to operate. The electrical transfer switch was replaced during the past month and operable. Negotiations to date are positive and we anticipate having specific details and numbers to present at the next Committee meeting.

Wastewater Treatment Facility (WWTF): Ms. Toscano reviewed the progress outlined in the OPM report. Refer to attached OPM report for specific/notable work activities. The contractor and engineer continue to submit and review submittals associated with the current work.



D. Schedule Update

Ms. Toscano presented and updated the committee on the WWTF schedule. The project team provided the revised schedule format for review by the Committee. Refer to the OPM report for the updated project schedule.

E. Change Order Update

WWTF Change Order No. 9 was executed by the Town Manager following the completion of a mediation session. The amount of Change Order No. 9 was \$21,000, which included the Town's portion of the settlement agreement between the parties. The mediation resulted from a claim by the filed subcontractor, Araujo Brothers Plumbing, for items that they felt was not included in the filed subbid for this class of work.

WWTF-Change Order No. 10 was distributed for review and discussion. Mr. Woodfall discussed the 8 items that make up Change Order No. 10. These changes include 2 unforeseen, 1 value added, 3 omission, and 2 that were owner initiated.

Motion by William Kessler, seconded by Eugene O'Rourke to recommend approval of Change Order No. 8 for the WWTF project in the amount of \$45,473.00. Motion carried 4-0-0.

Included with this discussion was the overall project contingency management. Refer to the attachments for details regarding the management of contingency funds. The summary includes both WWTF and WRPS projects together. Mr. O'Rourke asked if the project was on schedule with respect to the contingency. Ms. Tripp explained that for a retrofit project we are consistent with the contingency expended. Mr. Kessler inquired about the exposure for subsurface related work remaining. Mr. Woodfall explained we are over 80% complete with subsurface work and remaining main pump station work will be starting in the near future.

F. Budget Update

Ms. Toscano provided an update on the total project accounting. Refer to the OPM report for the details on each phase. Mr. Kessler expressed a concern with the timeframe that has gone by. The project team explained process underway to evaluate all options for cost savings.

IV. MEMBER COMMENTS

None

V. EXECUTIVE SESSION

Passover

VI. ADJOURNMENT

Motion by William Kessler, seconded by Dan Hicks to adjourn the meeting. Motion carried 4-0-0.



Minutes respectfully submitted by **Benn Sherman**.

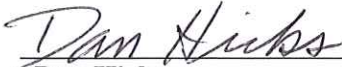
Minutes approved by WWTF Building Committee

Date Approved: 4/24/2019

Dale Bangma, Chairman



Joe Marchand, Vice Chairman

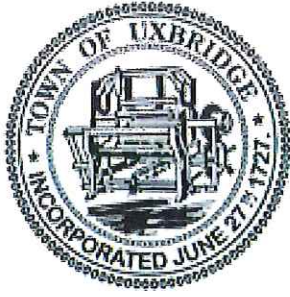


Dan Hicks



William Kessler

Eugene O'Rourke



Monthly OPM Project Updates

February 2019

2016-04 West River Pump Station Replacement

Progress:

Last Month –The path forward with the least amount of risk (therefore anticipated to be most the most cost-effective) was previously determined to be installing the new PS and wetwell in the existing PS and wetwell locations. WM Schultz submitted a proposal for the pump station relocation on Friday, 12/14/18. GHD received the back-up material on Tuesday, 12/17/18 and has been reviewing this package. The additional costs submitted are significant and were discussed with the Building Committee on 12/19/18 in Executive Session. A construction meeting was held with the Contractor on December 19th. The PS is continuing to be stored on-site.



This Month – WM Schultz and GHD have been meeting weekly to discuss the costs contained in the 12/14/18 submittal and the team is being kept updated. The next construction meeting is tentatively scheduled with the Contractor for March 14th.

Schedule:

Estimated Project Completion Date: Contractor requested another time extension

Financial:

GHD Budget:	\$140,000	Invoiced:	\$93,332	% Complete:	66.7%
Contractor:	\$1,670,758*	Invoiced:	\$510,497	% Complete:	30.6%

**Adjusted for Change Order No. 1, Change Order No. 2 & Change Order No. 3*

Submittal Status:

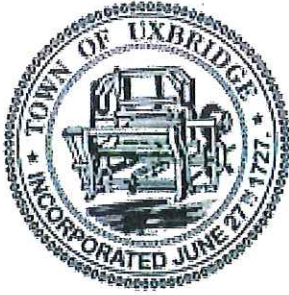
Approximately 80% of submittals have been received and have been or are being reviewed.

Action Items:

Continue to work with WM Schultz to confirm the additional cost and revised schedule of the path forward for PS installation. Review cost implications of work revisions with the team for continued contingency management.

Current Status:

WM Schultz and GHD will review and negotiate additional costs and discuss with the Town before proceeding with implementation.



February 2019

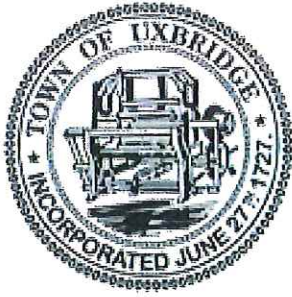
2016-05 Wastewater Treatment Facility BNR & Infrastructure Upgrade

Progress: Last Month – Similar to last month, DOC submitted shop drawings, continued to procure equipment/materials, and continued work in the following areas: new Septage Receiving finishes, new Preliminary Treatment equipment prep for start-up, Grit Tank improvements, new Garage, Primary Settling Basin equipment replacement, new Gravity Thickener #2 equipment installation, Secondary Clarifiers #2 and #3 equipment demo, the Process Building blower installation, the Admin Building wall, lights and HVAC installation, Utility Tunnel Access #2, Yard Piping, Aeration basins distribution box, Aeration Basin #1-3 Extensions, the new Filter Building, the new Chemical Building, Sludge Pump Station, the Blower Building and new Primary Canopy installation. A construction meeting will be held on February 14, 2019.

This Month – DOC continues to submit shop drawings, to procure equipment/materials, continued electrical feed installation, preparing for the Septage Receiving area start-up, start-up and test the Grit Basin, put Preliminary Treatment equipment into service, complete HVAC controls in the new Garage, Gravity Thickener #2 equipment installation, coatings & equipment installation in Primary Settling basins, install new equipment in SC #2 and #3, HVAC openings, chemical feed buildout, electrical and plumbing, lights & install blowers in the Process Building, installation of ceiling grid, HVAC drops, lights & flooring in the Admin Building, erect CMU walls for Utility Access Tunnel #2, roof drain system install for the new Filter Building and the new Chemical Building, install new RAS and FC for the Sludge Pump Station. Photos below show a side-by-side comparison of the progress of construction from last month to this month and some additional photos of other work areas.

The Contractor's 16th payment application was processed for \$1,117,601.40. After tomorrow, the next monthly construction meeting date will be held on March 14, 2019.

GHD continues to review and comment on submittals and RFI's received, reviews payment applications, reviews PCO's and recommends change orders and continues to provide full-time construction inspection.



Aeration Tank Expansions 01/2019



Aeration Tank Expansion 02/2019



Utility/Pipe Gallery Tunnel New Access 01/2019



Utility/Pipe Gallery Tunnel Access 02/2019

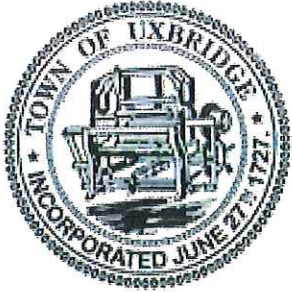


Secondary Clarifier No. 2 Ready for Equipment Demo.



Secondary Clarifier No. 2 02/2019





New Aeration Blowers 01/2019



New Aeration Blowers 02/2019



Admin. Building Chemical Metering 02/2019



Admin. Building Control Room 02/2019

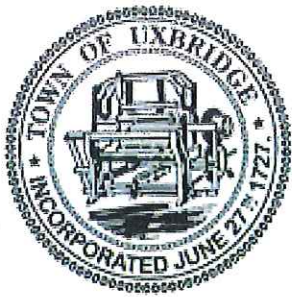


Preliminary Treatment 02/2019



New Primary Clarifier Canopy 02/2019





Schedule: Estimated Project Completion Date: February 21, 2020

At the request of the Building Committee, DOC has provided a simplified graphical schedule to depict the remaining work by area. Please refer to the separately distributed *Frank Classic Schedule Layout by WBS (Work Breakdown Schedule) (Data Date 01/15/19)*.

This schedule update shows that the strategies that have been continued to be implemented to restore float in the schedule have resulted in -4 days of float for the overall project. Critical remaining work is also identified on the attached and these will continue to be closely monitored to keep the project on schedule.

Financial:	OPM Budget:	\$500,000	Invoiced:	\$ 238,397	% Complete:	47.8%
	GHD Budget:	\$4,150,000	Invoiced:	\$2,052,776	% Complete:	49.5%
	DOC Budget:	\$35,345,209**	Invoiced:	\$21,651,917	% Complete:	61.3%

**Adjusted for Change Order Nos. 1, 2, 3, 4, 5, 6, 7, 8 & 9 (DOC)

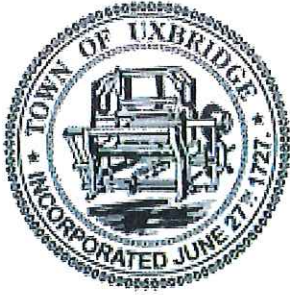
Submittal Status: Approximately 84% of submittals have been received and have been or are being reviewed.

Action Items: Continue to work with DOC to track strategies that have been implemented to restore float in the schedule and proceed with construction at an increased rate. Continue to process submittals, respond to RFI's, process payment requisitions and continue to evaluate potential change orders. The next SRF reimbursement request package will be submitted to DEP late this week.

Current Status: Construction is proceeding and is approximately 60% complete (based on duration and costs invoiced to date). DOC will continue to work on progressing concurrent work areas and will begin start-up and testing for work areas as they are completed. GHD will continue to respond to items received from DOC, prioritizing those that have potential schedule or cost impacts.

2016-04 & 2016-05 Project Contingency Management/ Change Order Summary

Based on discussions at prior Building Committee meetings, below is a summary for the contingency on the combined projects (WWTF & WR PS), amounts that have been allocated to Approved Change Orders and amounts that are likely to be considered in the future for identified Potential Change Order items.



Project Item	Item Amount	Cumulative Total
Project Original Contingency ^a		\$2,300,000.00
WR PS Change Order No. 1 (8/9/17)	\$78,900.00	\$2,221,100.00
WR PS Change Order No. 2 (8/9/17)	\$5,213.00	\$2,215,887.00
WR PS Change Order No. 3 (10/18)	\$27,209.00	\$2,188,678.00
WR PS Potential Change Orders ^b	Under negotiation	
WWTF Change Order No.1 (3/6/18)	\$60,283.00	\$2,128,395.00
WWTF Change Order No. 2 (6/21/18)	\$126,050.00	\$2,002,345.00
WWTF Change Order No. 3 (8/15/18)	\$90,655.00	\$1,911,690.00
WWTF Change Order No. 4 (9/19/18)	\$56,443.00	\$1,855,247.00
WWTF Change Order No. 5 (10/18)	\$188,022.00	\$1,667,225.00
WWTF Change Order No. 6 (12/20/18)	\$57,504.00	\$1,609,721.00
WWTF Change Order No. 7 (12/20/18)	\$76,799.00	\$1,532,942.00
WWTF Change Order No. 8 (01/16/19)	\$63,547.50	\$1,469,394.50
WWTF Change Order No. 9 (01/31/19)	\$21,000.00	\$1,448,394.50
WWTF Change Order No. 10 (02/19)	\$45,473.00	\$1,402,921.50
WWTF Potential Change Orders ^b	\$277,000.00	
Utility Work (Eversource)	\$122,323.92	\$1,280,597.58

^a Contingency includes original budgets (\$1,730,246+\$77,972+\$287,420=\$2,095,638) plus additional services budget in GHD contract (\$204,362).

^b Potential Change Orders (PCOs) are those identified to date in various stages of review and negotiation. For the WR PS, this amount is more significant than included above, however we have discussed this during the executive session of the 12/19/18 meeting to preserve negotiations with the contractor. This value is provided based on estimated potential costs identified to date and will be updated monthly.

Copy ID	Activity Name	UO Start	UO End	Start	End	UO Start	UO End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	
687	25-Jun-17A	25-Feb-20	21-Jan-19	21-Feb-20	-2															
687	25-Jun-17A	25-Feb-20	21-Jan-19	21-Feb-20	-2															
975	25-Jun-17A	25-Feb-20	21-Jan-19	21-Feb-20	-4															
615	27-Jun-17A	03-Nov-19	11-Jan-19	21-Dec-19	35															
570	24-Jul-17A	09-Jan-20	11-Jan-19	21-Feb-20	31															
3	24-Jul-17A	31-Jul-17A	11-Jan-19	11-Jan-19	159															
371	18-Sep-17A	05-Apr-19	09-May-19	14-Nov-19	105															
386	17-Oct-17A	28-May-19	09-May-19	24-Oct-19	23															
530	03-Oct-17A	19-Nov-19	03-Jun-19	20-Dec-19	-1															
438	25-Sep-17A	15-Jul-19	19-Mar-19	12-Jul-19	116															
257	12-Mar-18A	05-Feb-19	17-Oct-19	24-Oct-19	19															
483	16-Oct-17A	09-Oct-19	18-Mar-19	05-Nov-19	10															
259	23-Jan-18A	09-Nov-19	21-May-19	22-Nov-19	19															
12	09-Oct-19	25-Oct-19	06-Nov-19	22-Nov-19	57															
438	19-Dec-17A	04-Dec-19	14-Jan-19	21-Feb-20	19															
178	25-Jun-18A	17-Sep-19	03-May-19	14-Oct-19	-1															
351	16-Jul-18A	25-Nov-19	03-May-19	22-Nov-19	31															
463	28-Nov-17A	10-Oct-19	30-Jun-19	22-Nov-19	108															
448	31-Oct-17A	23-Jul-19	17-Apr-19	20-Dec-19	6															
270	02-Jul-18A	18-Oct-19	01-Jul-19	22-Nov-19	25															
326	20-Mar-18A	14-Nov-19	30-Jan-19	22-Nov-19	6															
462	27-Mar-18A	07-Jan-20	30-Jan-19	03-Jan-20	-2															
71	01-Oct-18A	19-Feb-19	31-Mar-19	02-May-19	52															
387	25-Apr-18A	10-Oct-19	07-May-19	14-Oct-19	2															
433	14-Mar-18A	27-Nov-19	14-Feb-19	13-Dec-19	12															
430	07-Feb-18A	22-Nov-19	14-Feb-19	22-Nov-19	0															
225	16-Jun-19	26-Nov-19	14-Jan-19	22-Nov-19	-2															
243	25-Jun-18A	03-Jun-19	19-Mar-19	31-May-19	-1															
64	15-Jan-19	16-Apr-19	05-Mar-19	14-Oct-19	126															
5	14-Jan-19A	18-Jan-19	17-Dec-19	20-Dec-19	233															
177	08-May-19	09-Jan-20	24-Nov-19	21-Feb-20	31															

Activity Name	Start	End	UO Start	UO End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
Procurement	25-Feb-20	21-Jan-19	21-Feb-20																	
Milestones	25-Feb-20	21-Jan-19	21-Feb-20																	
Submittals	25-Feb-20	21-Jan-19	21-Feb-20																	
Construction	03-Nov-19	11-Jan-19	21-Dec-19																	
Mobilization	09-Jan-20	11-Jan-19	21-Feb-20																	
Site Work	05-Apr-19	11-Jan-19	14-Nov-19																	
Site Electrical	29-May-19	09-May-19	24-Oct-19																	
Septage Receiving Building	19-Nov-19	03-Jun-19	20-Dec-19																	
Preliminary Treatment Building	15-Jun-19	19-Mar-19	12-Jul-19																	
Garage	05-Feb-19	17-Oct-19	24-Oct-19																	
Sludge Thickener No.2	09-Oct-19	18-Mar-19	05-Nov-19																	
Process Building Blower Room	08-Nov-19	21-May-19	22-Nov-19																	
Sludge Holding Tank	25-Oct-19	06-Nov-19	22-Nov-19																	
Process/Administration Building	04-Dec-19	14-Jan-19	21-Feb-20																	
Utility/Tunnel Access No. 2	17-Sep-19	03-May-19	14-Oct-19																	
Primary Settling Basins	25-Nov-19	03-May-19	22-Nov-19																	
Yard Piping	25-Nov-19	03-May-19	14-Oct-19																	
Secondary Clarifier No.4	10-Oct-19	30-Jun-19	22-Nov-19																	
Clarifier No. 1-3 Upgrades	23-Jul-19	17-Apr-19	20-Dec-19																	
Sludge Pumping Station	18-Oct-19	01-Jul-19	22-Nov-19																	
Aeration Basin No.1 Through 3 Extensions	07-Jan-20	30-Jan-19	03-Jan-20																	
Aeration Basin Distribution Box	19-Feb-19	31-Mar-19	02-May-19																	
Main Pump Station	10-Oct-19	07-May-19	14-Oct-19																	
Chemical Building	14-Feb-19	14-Feb-19	13-Dec-19																	
Filter Building	27-Nov-19	14-Feb-19	22-Nov-19																	
UV & Post Aeration	26-Nov-19	14-Jan-19	22-Nov-19																	
Blower Building	03-Jun-19	19-Mar-19	31-May-19																	
Utility Tunnel	16-Apr-19	05-Mar-19	14-Oct-19																	
Primary Canopy	18-Jan-19	17-Dec-19	20-Dec-19																	
Testing & Startup	09-Jan-20	24-Nov-19	21-Feb-20																	

█ Actual Work
 █ Critical Remaining Work
 █ Summary
 ◆ Remaining Work
 ◆ Milestone

TASK filter: All Activities Page 1 of 1 © Primavera Systems, Inc.

Frank

CHANGE ORDER FORM

SRF Number 4048
 Public Entity Town of Uxbridge
 Contract Number 2016-05
 Change Order Number 10

Contract Amount (As Bid) \$34,604,926.00
Net Change in Contract Price (this change order) \$ 45,473.00
Total Adjusted Contract Price (including this and all other change orders) \$35,390,682.50

This change order extends the time to complete the work by 0 calendar days (as explained further in the attached).

The extended completion date is n/a

This change order checked by Sandra L. Tripp, P.E., BCCE 2/7/2019
 (Chief) Resident Engineer Date

This change order is requested by: Daniel O'Connell's Sons, Inc.

This change order is recommended by: Marc R. Drainville, P.E., BCCE

 Consultant Engineer 43294 P.E. Number Date

The undersigned agree to the terms of the change order.

 Contractor Date

 Owner Date

Certification of Appropriation under M.G.L. c.44, §31C: Adequate funding in an amount sufficient to cover the total cost of this change order is available.

By: _____ Date
 Certification Officer (Auditor, accountant, treasurer)

Do not write below: this space reserved for STATE AGENCY APPROVAL

 DEP/DMS

CHANGE ORDER FORM (Continued)

Public Entity Town of Uxbridge, MA

SRF No: 4048 Contract No. 2016-05 Change Order No. 10

Contract Title: WWTF BNR & Infrastructure Upgrade

Owner's Name: Town of Uxbridge

Owner's Address: 21 South Main Street, Uxbridge, MA 01569

Contractor's Name: Daniel O'Connell's Sons Inc.

Contractor's Address: 1000 Franklin Village Drive, Suite 205, Franklin, MA 02038

Description of Change Summary:

- 1. PCO-69 – IT Network Rack *Value Added*

DESCRIPTION: There are two "NETWORK CONTROL CABINETS" to be located in the IT Room (ADB-119) and as shown on Drawing E055. The northernmost of these cabinets is the freestanding IT Networking Rack specified in Section 17560-2.06.B.1.h. This is in addition to the Administration Building NIC included in Table 17560-1 (the southernmost cabinet shown in the IT Room). Delete the IT Networking Rack specified in Section 17560-2.06.B.1.h including specified appurtenances.

REASON: The Town has determined that the IT Networking Rack is not required. Its deletion will provide a credit for the project.

Cost For a lump sum credit amount of (\$910.00).

- 2. PCO-96 – Asbestos Abatement for Utility Tunnel Access No. 2 *unforeseen*

DESCRIPTION: Abate asbestos containing material (ACM) on the exterior south wall of the existing Utility Tunnel where two doorways serving Utility Tunnel Access No. 2 are to be constructed. Demolition activities shall conform with Section 02080 Asbestos Removal.

For the remainder of the exposed exterior tunnel wall that will serve as the interior north wall of Access No. 2, encapsulate the existing asbestos-containing dampproofing in a 4" CMU wall, topped with 2" solid block.

REASON: During excavation for Utility Tunnel Access No. 2 the exterior southern wall of the Utility Tunnel was exposed revealing a membrane and mastic dampproofing, which was suspected to contain asbestos. After notification by the Contractor, the material was sampled and tested for asbestos content. The black dampproofing mastic behind the insulation board on the exterior of the tunnel wall was confirmed to be ACM.

The existing asbestos needs to be abated where demolition is to be performed to construct new doors into the Utility Tunnel. The remainder of the exposed wall will be encased by a CMU wall, eliminating the need for the removal, disturbance, and abatement of the asbestos. This will reduce asbestos removal and disposal activities, provide a safe environment, and provide a clean new wall for the access structure.

Cost For a lump sum amount of \$15,549.00

3. PCO-119 – Collection Chamber Grating Support Beam *OMISSION*

DESCRIPTION: Provide an aluminum CS6x2.83 grating support channel (beam), spanning north-south, centered within the Collection Chamber's west compartment. The support channel (beam) shall be attached to the north and south concrete walls of the Collection Chamber as indicated in the BEAM AND CHANNEL CONNECTION TO CONCRETE WALL detail on Drawing S904.

REASON: The grating over the west end of the Collection Chamber will require a support beam over the west end compartment in order to support the grating.

Cost For a lump sum amount of \$1,430.00

4. PCO-134 – Chemical Building Toilet Room Chase *OMISSION*

DESCRIPTION: Modify the east wall of the Toilet Room CHB-101 on Drawing A850 to include a chase for the Toilet Room plumbing. Add a 4" CMU wall east of the 8" CMU wall with a 1'-0" chase in between. The interior dimension of the Toilet Room shall remain the same as originally designed.

REASON: In order to accommodate a wall-hung toilet, a plumbing chase needs to be incorporated into the east wall of the Toilet Room (CHB-101).

Cost For a lump sum amount of \$1,697.00

5. PCO-144 – Sludge Pumping Station Unit Heater Location *endorsement*

DESCRIPTION: Relocate SPS-GUH-2 to the northwest corner of the upper level of the Sludge Pumping Station, with the exhaust and combustion pipe exiting the north wall of the Sludge Pumping Station. Modify the exhaust and combustion pipe for SPS-GUH-1 to exit the north wall of the Sludge Pumping Station on the upper level. Provide approximately 20 additional feet of 1" natural gas pipe to serve the revised location.

REASON: Early in construction, it was determined that the existing conduits serving the Sludge Pumping Station were located inside of concrete slabs and walls. To avoid coring through and damaging the existing conduits, the new electric service to this building was relocated. This caused a conflict with unit heater SPS-GUH-2. Relocating the unit heater was the most cost-effective resolution of this conflict.

Cost For a lump sum amount of \$1,564.00

6. PCO-149 – PLC and NIC Circuits *omission*

DESCRIPTION: Provide one (1) 1/2" conduit containing 2#12, 1#12 from each of the associated panelboards to the NICs located in the Garage, Main Pumping Station, Blower Building, Sludge Pumping Station, Septage Building, and Chemical Building; for a total of six installations.

REASON: The conduit and wire is required to separate the power circuits for the NICs from the power circuit for the PLCs in each building.

Cost For a lump sum amount of \$6,003.00

7. PCO-153 – Aeration Basin Swing Gates *owner initiated*

DESCRIPTION: Change Order No. 5, Item 9, incorporated 15 swing gates along the guardrails on the Aeration Basin Walkways. These gates and the guardrails have yet to be fabricated. Delete six of the gates, resulting in a total number of nine gates.

In order to avoid electrical conflicts with feeding equipment in the aeration basins, route conduit along the air piping header to the west of Aeration Basin No. 1 in lieu of mounting it on handrails. Additionally, mount conduit along interior of tank wall at gates 2-1 and 3-1 to avoid conflicts with the gates. The remainder of the conduit shall be handrail mounted per Contract.

REASON: The addition of the swing gates will allow the operators to access the various sections of the basins without climbing over the guardrails, improving the safety for maintenance activities. However some of the gates create conflicts with the electrical

feeds to equipment in the basins. Eliminating six of the gates will minimize the electrical cost impacts. The costs represent costs for the electrical work and credits associated with the deletion of swing gates incorporated through Change Order No. 5.

Cost For a lump sum amount of \$7,013.00

8. PCO-158 – Preliminary Treatment Building Floor Finish

OWNER INSPIA

DESCRIPTION: Delete the concrete sealant floor finish ('S') specified for the floor of Preliminary Treatment Building on Drawing A903, and provide a slip-resistant epoxy coating ('EP') for the floor.

Change Order No. 7, Item 1, provided for repair of the existing floor in the Blower Building and placement of a 2-inch Concrete Mix CF topping slab. Provide a concrete sealant floor finish ('S') per Section 03350 for the topping slab.

REASON: The Preliminary Treatment Building contains open channels and equipment that will require washdown. A slip-resistant epoxy coating will facilitate operator safety and provide a durable floor finish. The concrete sealer to be placed on the Blower Building floor will protect the concrete floor.

Cost For a lump sum amount of \$13,127.00

For a total lump sum amount for this change order of \$45,473.00

List of Attachments:

1. Change Order Summary
2. PCO-69 / Article 11 Analysis / RFI 1059
3. PCO-96 / Article 11 Analysis / RFI 1076
4. PCO-119 / Article 11 Analysis / RFI 1096
5. PCO 134 / Article 11 Analysis / RFI 1108
6. PCO 144 / Article 11 Analysis / RFI 1114
7. PCO 149 / Article 11 Analysis / RFI 240
8. PCO 153 / Article 11 Analysis / RFI 1092R
9. PCO 158 / Article 11 Analysis / RFI 1123



TOWN OF UXBRIDGE
WWTF BUILDING COMMITTEE
 UXBRIDGE, MASSACHUSETTS 01569

MEETING SIGN IN SHEET
WEDNESDAY, February 13, 2019, 5:00 pm
100x TOWN HALL
BOS MEETING ROOM, 21 SOUTH MAIN STREET, UXBRIDGE, MA

INITIAL	NAME	AFFILIATION	ADDRESS	PHONE	EMAIL
DB	Dale Bangma	WWTF Building Committee			
	Joe Marchand	WWTF Building Committee			
EO	Eugene O'Rourke	WWTF Building Committee			
DH	Dan Hicks	WWTF Building Committee			
WK	William Kessler	WWTF Building Committee			
	Benn Sherman	Uxbridge DPW			bsherman@uxbridge-ma.gov
	Paul Hutnak	Uxbridge DPW			phutnak@uxbridge-ma.gov
J	Jim Legg	Uxbridge DPW-Wastewater			ilegg@uxbridge-ma.gov
	Angie Ellison	Town Manager			aellison@uxbridge-ma.gov
ST	Sandy Tripp	GHD (Designer)			sandy.tripp@ghd.com
	Marc Drainville	GHD (Designer)			marc.drainville@ghd.com
	Laurie Toscano	Weston & Sampson (OPM)			toscanol@wseinc.com
	Frank Woodfall	Keville Enterprises			fwoodfall@keville.com
	Paul Macnevin	Weston & Sampson (OPM)			macnevip@wseinc.com