



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

**MEETING DATE:** June 20, 2018  
**MEETING LOCATION:** BOS Meeting Room, 21 South Main Street

**COMMITTEE MEMBERS PRESENT:**

Dale Bangma  
Eugene O'Rourke  
Joe Marchand  
Dan Hicks

AUG 15 '18 PM 6:30

Received by  
Uxbridge  
Town Clerk

**OTHERS IN ATTENDANCE:**

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

**I. CALL TO ORDER**

It being 5:00 p.m., the meeting being properly posted, duly called and a quorum being present, the Chair, Dale Bangma, called the meeting to order.

**II. OLD BUSINESS**

None

**III. NEW BUSINESS**

**A. Citizens Comments**

None

**B. Acceptance of Meeting Minutes (04/19/2018, 05/16/2018)**

Passover

**C. Project Update**

Laurie Toscano (OPM) distributed the OPM status report to the Committee. This report includes the month of June.

West River Pump Station (WRPS): Laurie explained the status of the obstruction encountered. Additional test probes were undertaken and determined the rock is approximately 4 feet thick. The contractor is formalizing their plan to move forward for the removal of the rock. Sandy Tripp explained the subsurface found during design indicated there were obstructions that are most likely large boulders 3-6 feet thick. The Contractor has submitted a claim for unforeseen conditions. The team agreed to have additional investigations to better map the extent of the obstruction. It is anticipated the delivery of the station will be after July 4<sup>th</sup>. No anticipated changes to the project duration at this time.

Joe Marchand asked about the extent of the design investigation for subsurface conditions. Laurie explained the bid documents included this information and the contractor was aware of



the conditions. They also included into their cost provisions to handle subsurface issues. Currently, the discussion centers on extent of the differing site conditions. For this reason, we have not agreed to any additional costs for mitigation.

Currently, there is no active work on the site while we work through the issues.

Wastewater Treatment Facility (WWTF): Ms. Toscano reviewed the progress outlined in the OPM report. Refer to attached OPM report for specific/notable work activities. Major work included continued submittal of shop drawings, procuring equipment/materials, continued secondary electrical duct bank installation, completed CMU walls and installed roof planks for the Septage Receiving area, erecting steel structure of the new Garage, installed roof planks for the Preliminary Treatment building, poured concrete for walls and will begin launders of new SC #4, demolition activities continue along with HVAC and control panels and ductwork installation in the Process Building, framing for walls and work on new windows in the Admin Building, begin excavation for Aeration basin expansions, pour baffle walls in Aeration Basin #1, poured base- mat and will begin to erect walls for the new Filter Building and then proceed with the base-mat installation for the new Chemical Building.

**D. Schedule Update**

Ms. Toscano updated the committee on the recent draft schedule provided by DOC and is provided in the OPM report in accordance with the requests of the Committee. Only minor changes are evident with the schedule this month. We continue to see submittals which are at approximately 78% and will continue to monitor the review. Sandy Tripp indicated the contractor needs to update the schedule logic through the process building. Once included in the schedule update, additional work areas will be available without putting the process at risk.

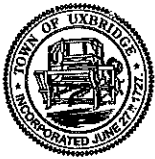
**E. Change Order Update**

Laurie Toscano noted the summary section relative to the project contingency management/change order summary. She explained that the project team reviews proposed change orders in order to manage the contingency balance. We will continue to bring items to the committee for future change recommendation(s).

Eugene O'Rourke asked if the number of proposed change orders is normal for this type of project. Sandy Tripp explained it is not a concern to the project team at the present time. She further explained the review process that goes into our review.

Joe Marchand noted the appreciation and value in the time spent with Frank Woodfall, Resident Representative. He also asked if the Board of Selectmen/Water and Sewer Commissioners (WSC) are kept abreast of the project. Mr. Sherman noted that the information is conveyed to the Town Manager and BOS/WSC. Frank Woodfall further explained how the review process works and the specifics used in the negotiation process with the contractor.

Dale Bangma, in consultation with Bill Kessler, asked the team to add to the proposed change order log the following designations: EO-Errors and Omissions, UN-Unforeseen Conditions, OI-Owner Initiated. These designations will aid the committee in understanding the why the changes are proposed. The total contingency expended to date for the entire project is \$266,720, which includes monies associated with the utility allowance.



The project team brought forth Change Order 2, which includes the following items: The purpose of this change was to accommodate PCO-4 Preliminary Treatment Cleanout, PCO-5 Septage Wet Well Slab Penetration, PCO-8 Core Floor Drains in Preliminary Treatment Building, PCO-11 Pipe Vents in Septage Building, PCO-14 Process Building/Administration Building Electrical Room Modifications and Ductbank G-G, PCO-15B Vents for Trench Drains in the Garage, PCO-21 Core Drill Wall of Septage Receiving Equipment Pit, PCO-22 Demolish Suspended Ceiling, PCO-24 Cleanouts in Chemical Room, PCO-29 Relocate MW-105, PCO-37 Storage Room ABD Window, PCO-38 Sludge Pumping Station Roof, and PCO-52 Glycol Storage Pump. The total of this Change Order No. 2 is \$126,050.00.

Motion by Joe Marchand, seconded by Eugene O'Rourke to recommend approval of Change Order No. 2 in amount of \$126,050.00. **Motion carried 4-0-0.**

**F. Budget Update**

Laurie Toscano noted we have received and processed payment requisition 8 and will be submitting for reimbursement shortly. Benn Sherman discussed the budget summary sheet. Now that we are in the height of the construction season, we anticipate the pay estimates to be at or above the \$1.7M level through the summer/fall. The reimbursements were not updated in the summary, however, we are approximately at \$8.5M reimbursed to date. Benn Sherman noted the project team is updating a cash flow projection for the Collector/Treasurer to ensure there are no future issues.

**IV. MEMBER COMMENTS**

Joe Marchand inquired about the potential option for project financing. Benn Sherman explained assumptions that went into the financing plan that included the creation of a new Capital Improvement Fee (CIF) for the project. Recently, the Water Pollution Abatement Trust (WPAT) asked if the Town wanted to entertain a partial deferment for FY2019. The goal of the WPAT would be to have the Town go to long term borrowing for a smaller amount in 2019 with the remaining monies coming online in subsequent years. Benn Sherman also noted that this proposal, while not specifically included in the rate study, 100% of the project was accounted in the financial budgeting.

**V. ADJOURNMENT**

Motion by Joe Marchand, seconded by Dan Hicks to adjourn the meeting at 5:55 p.m. **Motion carried 4-0-0.**

*Minutes respectfully submitted by Benn Sherman.*

*Minutes approved by WWTF Building Committee*

Date Approved: 8/15/2018

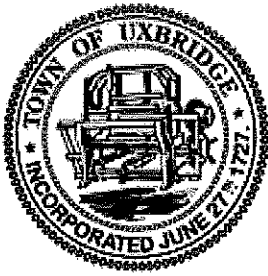
Dale Bangma, Chairman

Joe Marchand, Vice Chairman

Dan Hicks

William Kessler

Eugene O'Rourke



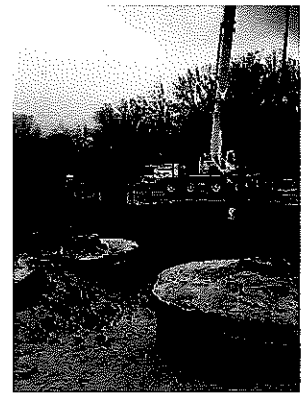
# Monthly OPM Project Updates

## June 2018

### 2016-04 West River Pump Station Replacement

Progress:

Last Month – WM Schultz attempted to continue sheeting installation for support of excavation and dewatering activities, however an obstruction was encountered. WMS formulated a plan to drill through the obstruction and identify the bottom to confirm it can be removed. A monthly construction meeting was held on May 10<sup>th</sup>. WM Schultz's 6<sup>th</sup> payment application was processed for \$77,516.



This Month – WM Schultz implemented the plan to further investigate the obstruction, which included removing the sheeting, backfilling the partial excavation and drilling four new borings to better identify the extents of the obstruction. Based on this investigation, the obstruction is between 3-feet and 4-feet thick in some locations. WM Schultz's current plan is to drill 4-inch holes every 2-feet in a grid pattern over the obstruction area, hammer-drill the rock and excavate for removal. They will formalize this plan and provide a cost proposal to the project team for review.

GHD continues to review submittals received and provide construction supervision.

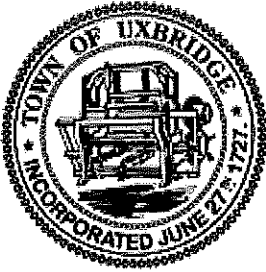
Schedule: Estimated Project Completion Date: November 30, 2018

Financial:	GHD Budget:	\$140,000	Invoiced:	\$63,324	% Complete:	45.2%
	Contractor:	\$1,643,549*	Invoiced:	\$167,734	% Complete:	10.2%

\*Adjusted for Change Order No. 1 & Change Order No. 2

Submittal Status: Approximately 78% of submittals have been received and have been or are being reviewed.

Action Items: Continue to work with WM Schultz for review and implement a plan for obstruction removal, continued dewatering and equipment delivery (week of 7/9) and installation.

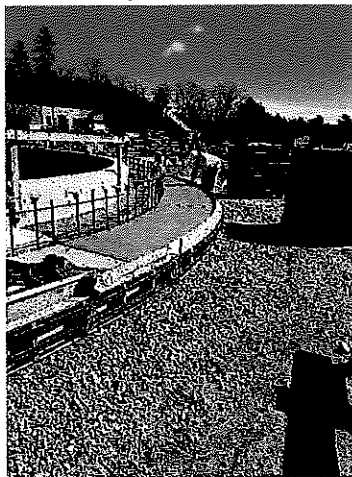


Current Status: WM Schultz will submit a proposed change order for obstruction removal. Once the PCO is negotiated and approved by GHD and the Town, WM Schultz will continue with dewatering, support of excavation and equipment installation.

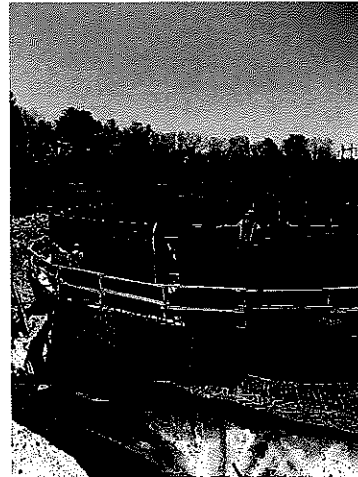
## 2016-05 Wastewater Treatment Facility BNR & Infrastructure Upgrade

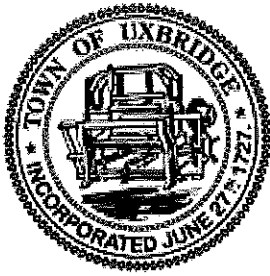
Progress: Last Month – DOC submitted shop drawings, procured equipment/ materials, continued secondary electrical duct bank installation, installed CMU walls for the Septage Receiving area, worked on the new Garage area foundation, Preliminary Treatment building construction, installed rebar and formwork for the walls of new SC #4, demolition and abatement activities in the Process Building, installed plumbing for the new bathrooms/locker rooms in the Admin Building, supported the excavation for the Aeration basin expansions and continued excavation and underslab utilities for the new Filter Building and Chemical Building. The Contractor's 7<sup>th</sup> payment application was processed for \$826,990. A monthly construction meeting was held on May 10, 2018

*New Gravity Thickener No. 2*

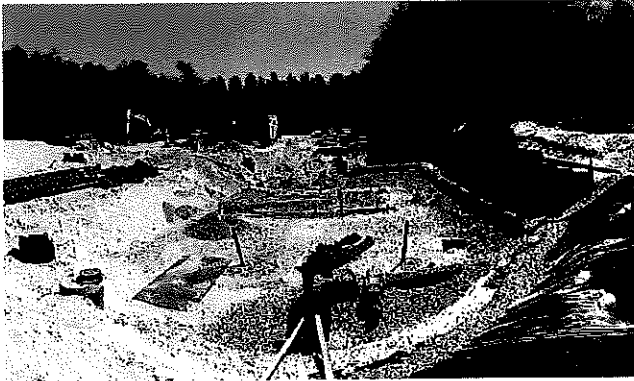


*New Preliminary Treatment Bldg. New Secondary Clarifier #4*





*Excavation for New Filter & Chemical Buildings*



*Support of Excavation for Aeration Expansions*

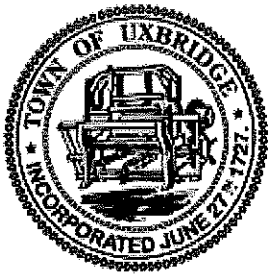


**This Month –**

DOC submitted shop drawings, procured equipment/ materials, continued secondary electrical duct bank installation, completed CMU walls and installed roof planks for the Septage Receiving area, erecting steel structure of the new Garage, installed roof planks for the Preliminary Treatment building, poured concrete for walls and will begin launders of new SC #4, demolition activities continue along with HVAC and control panels and ductwork installation in the Process Building, framing for walls and work on new windows in the Admin Building, begin excavation for Aeration basin expansions, pour baffle walls in Aeration Basin #1, poured base-mat and will begin to erect walls for the new Filter Building and then proceed with the base-mat installation for the new Chemical Building.

The Contractor's 8<sup>th</sup> payment application was processed for \$1,768,239.71. A monthly construction meeting was held on June 14, 2018 and the next will be held on July 12, 2018.

GHD continues to review and comment on submittals received, reviews and recommends change orders and continues to provide full-time construction inspection.



Weston & Sampson<sup>SM</sup>  
transform your environment

*New Septage Receiving & Garage*



*Aeration Basin #1 & SOE for Tank Expansions*



*New Filter Building Base-mat & Walls*



*New Secondary Clarifier #4*

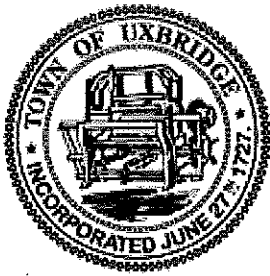


*New MCC and Conduit in Process Building*



*Secondary Electrical Banks*



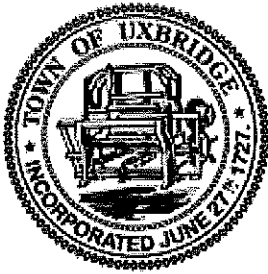


Schedule: Estimated Project Completion Date: February 21, 2020

Key Milestone Completion Dates: based on DOC 06/01/18 Progress Schedule

Activity	Start by Date in Progress Schedule	Start Date in Baseline Schedule	Finish by Date	Early (E), Late (L) or Actual (A) Date *
Preliminary Treatment Building:	09/25/2017A	10/02/2017	05/14/2019	E
Septage Receiving Building:	10/03/2017A	09/25/2017	12/07/2018	E
Sludge Thickener No. 2:	10/16/2017A	11/09/2017	05/14/2019	E
Site Electrical:	10/17/2017A	10/17/2017	05/07/2019	E
Secondary Clarifier No. 4	10/31/2017A	08/30/2017	03/29/2019	E
Yard Piping	11/28/2017A	07/11/2018	11/13/2019	E
Process/Admin Building with Finishes	12/19/2017A	02/28/2018	12/25/2019	E
Process Bldg. Blower Room:	01/23/2018A	02/12/2019	11/01/2019	E
Filter Building	02/07/2018A	07/20/2018	10/7/2019	E
Garage	03/12/2018A	04/16/2019	02/27/2019	E
Chemical Building	3/14/2018A	03/23/2018	09/24/2019	E
Sludge Pumping Station	03/20/2018A	04/15/2019	07/05/2019	L
Aeration Basins Nos. 1-3 Extensions	03/27/2018A	02/09/2018	10/31/2019	E
Main Pump Station	04/25/2018A	04/26/2019	06/28/2019	E
Aeration Basin Distribution Box	08/30/2018	07/02/2018	12/21/2018	L
UV & Post Aeration	12/18/2018	12/21/2018	11/22/2019	L
Blower Building	01/11/2019	08/15/2018	12/20/2019	L
Utility Tunnel	01/24/2019	11/28/2018	10/14/2019	L
Primary Settling Basins	03/26/2019	02/15/2019	11/22/2019	L
Primary Settling D-Box	03/26/2019	02/15/2019	05/16/2019	L





Activity	Start by Date in Progress Schedule	Start Date in Baseline Schedule	Finish by Date	Early (E), Late (L) or Actual (A) Date *
Secondary Clarifier Nos. 1-3 Upgrade	05/21/2019	10/09/2018	11/22/2019	L
Utility Tunnel Access No. 2	06/26/2019	06/28/2019	10/14/2019	L
Sludge Thickener #1	07/15/2019	07/15/2019	11/05/2019	L
Sludge Holding Tank:	11/06/2019	11/06/2019	11/22/2019	L
Testing & Startup	11/24/2019	11/23/2019	02/21/2020	L
* Two sets of dates are provided in the Baseline Schedule by DOC, Early Start/Finish and Late Start/Finish. For work items that have commenced (shown in Bold), the Early Start/Finish Dates are included above and for work items that have yet to commence, the Late Start/Finish Dates are included above for conservatism.				

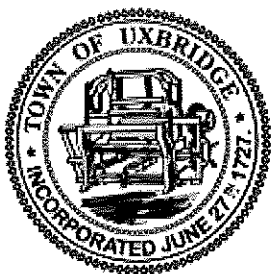
Financial:      OPM Budget:      \$500,000      Invoiced: \$ 137,280      % Complete: 27.5%  
                          GHD Budget:      \$4,150,000      Invoiced: \$1,211,359      % Complete: 29.2%  
                          DOC Budget:      \$34,665,209\*\* Invoiced: \$6,650,651      % Complete: 19.2%

\*\*Adjusted for Change Order No. 1 (DOC)

Submittal Status: Approximately 78% 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 (currently at +2 days overall and significantly more for the various process paths) and continue construction progress at the increased rate. Continue to process submittals, process Change Order No. 2 and payment requisitions and evaluate potential change orders.

Current Status: DOC will continue shop submittals, procurement of equipment and materials and continue to resume an increased labor presence on-site, especially now that more work areas are available for concurrent work activities. Current work areas are the existing Process/Administration Building, the new Septage Receiving area, the new Garage area, the new Preliminary Treatment Building, the new Gravity Thickener #2 area, the new Secondary Clarifier #4 area, existing Aeration Tank #1 and the area for Aeration Tank extensions, the new Filter Building and Chemical Building area. The next SRF reimbursement request package will be submitted to DEP this week.



## 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 <sup>a</sup>		\$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 Potential Change Orders <sup>b</sup>	Not Available	
WWTF Change Order No.1 (3/6/18)	\$60,283.00	\$2,155,604.00
WWTF Change Order No. 2 (proposed)	\$126,050.00	\$2,029,554.00
WWTF Potential Change Orders <sup>b</sup>	\$356,000.00	
Utility Work (Eversource)	\$122,323.92	\$1,907,230.08

<sup>a</sup> Contingency includes original budget (\$2,050,000) plus additional services budget in GHD contract (\$250,000).

<sup>b</sup> Potential Change Orders (PCOs) are in various stages of review and negotiation. This value is provided based on estimated potential costs identified to date and will be updated monthly.



TOWN OF UXBRIDGE  
DEPARTMENT OF PUBLIC WORKS  
147 HECLA STREET  
UXBRIDGE, MASSACHUSETTS 01569-1326  
508-278-8616 ♦ Fax 508-278-3179

Benn Sherman, P.E.  
Director

WWTF & WEST RIVER PUMP STATION BUDGET & REIMBURSEMENT SUMMARY

PURPOSE: WWTF & WRPS Construction  
SOURCE: SRF 0%, SRF 2%, Local Borrowing  
TM DATE: 4/2/2016 (Article 1)  
TM APPROPRIATION: \$44,800,000.00  
TOTAL AUTHORIZATION: \$44,800,000.00  
SRF Portion Eligible for 0% Interest Rate \$ 29,200,000.00  
SRF Portion Eligible for 2% Interest Rate \$ 13,600,000.00  
Total SRF Approval \$ 42,800,000.00

ACCOUNT NUMBER	CONTRACTS	APPROVED	ORIGINAL BUDGET	CONTRACT/PO AMOUNT	APPROVED CHANGE ORDERS	ADJUSTED CONTRACT	EXPENSE TO DATE	BALANCE REMAINING	% CMPLT	STATUS
41-440-2050-4106PW15-0000-0-0	WRPS RETAINAGE <sup>1</sup>	06/26/17					\$ 8,828.15			
41-440-2050-4106PW16-0000-0-0	WWTF RETAINAGE <sup>1</sup>	06/26/17					\$ 346,876.45			
41-440-5303-4106PW16-0000-0-0	LEGAL <sup>1</sup>	07/01/17	\$ 45,638.00	\$ 45,638.00	\$ -	\$ 45,638.00	\$ -	\$ 45,638.00	0.0%	Active
41-440-5880-4106PW16-0000-0-0	WWTF FINAL DESIGN <sup>2</sup>	07/01/16	\$ 1,500,000.00	\$ 1,500,000.00	\$ -	\$ 1,500,000.00	\$ 1,500,000.00	\$ -	100.0%	Closed
41-440-5892-4106PW16-0000-0-0	OWNER'S PROJECT MANAGER <sup>2</sup>	02/07/17	\$ 500,000.00	\$ 500,000.00	\$ -	\$ 500,000.00	\$ 137,280.43	\$ 362,719.57	27.5%	Active
41-440-5893-4106PW16-0000-0-0	WWTF CPS (GHD) <sup>1,3</sup>	11/09/16	\$ 4,400,000.00	\$ 4,150,000.00	\$ -	\$ 4,150,000.00	\$ 1,211,359.00	\$ 2,938,641.00	29.2%	Active
41-440-5893-4106PW16-9100-0-0	WRPS CPS (GHD) <sup>1</sup>	11/09/16	\$ 140,000.00	\$ 140,000.00	\$ -	\$ 140,000.00	\$ 63,324.00	\$ 76,676.00	45.2%	Active
41-440-5894-4106PW16-0000-0-0	WWTF CONSTRUCTION (DOC) <sup>1</sup>	06/26/17	\$ 34,604,926.00	\$ 34,604,926.00	\$ 60,283.00	\$ 34,665,209.00	\$ 6,590,652.52	\$ 28,074,556.48	19.0%	Active
41-440-5894-4106PW16-9100-0-0	WRPS CONSTRUCTION (WMS) <sup>1</sup>	06/26/17	\$ 1,559,436.00	\$ 1,559,436.00	\$ 84,113.00	\$ 1,643,549.00	\$ 167,734.85	\$ 1,475,814.15	10.8%	Active
41-440-5897-4106PW16-0000-0-0	CONTINGENCY <sup>1,3</sup>	07/01/17	\$ 2,050,000.00	\$ 2,300,000.00	\$ (144,396.00)	\$ 2,155,604.00	\$ 122,323.92	\$ 2,033,280.08	5.3%	Active
TOTAL COMMITTED			\$ 44,800,000.00	\$ 44,800,000.00	\$ -	\$ 44,800,000.00	\$ 10,148,379.32	\$ 35,007,325.28	22.7%	
FUNDS AVAILABLE				\$						

<sup>1</sup> Included in the SRF funding request and authorization  
<sup>2</sup> Included in the independent borrowing for final design and OPM services  
<sup>3</sup> GHD additional services for WWTF were put into the contingency line

**Uxbridge Wastewater Treatment Facility BNR and Infrastructure Upgrade**  
**Proposed Change Order (PCO) Log & Project Funding Budget Status**  
**General Contractor: Daniel O'Connell's Sons, Inc.**  
**Contract No. 2016-05; GHD Job No. 8618922A**

June 19, 2018

Open	
Agreed Change	
Not Approved / Closed	
No Cost Change	
Not Approved / Dispute	
Void or Superseded	

**Contract Value:** \$34,604,926.00  
**Contingency:** \$1,730,246.30  
**Construction Budget:** \$36,335,172.30

PCO No.	Response to RFI	Work Item Descriptions	GHD Rough Estimate	Negotiated Value	Net Available	Net Available as %
<b>Beginning Balance</b>					<b>\$1,730,246.30</b>	
1	1001B	Transformer access road	\$ 15,000		\$1,730,246.30	100.0%
2	1002	Relocate gas line	\$ 5,000		\$1,730,246.30	100.0%
3	1003A	Electrical modifications	\$ 5,000		\$1,730,246.30	100.0%
4	1004	Preliminary treatment cleanout	\$ 743	\$743.00	\$1,729,503.30	100.0%
5	1005	Septage pipe roof penetration	\$ 3,000	\$3,000.00	\$1,726,503.30	99.8%
6	FO11	Drill and grout dowels at PT bldg	\$ 5,000		\$1,726,503.30	99.8%
7	1007	Potable water well pump power and control	\$ 5,000		\$1,726,503.30	99.8%
8	1006	Core FDs in PT bldg	\$ 1,966	\$1,966.00	\$1,724,537.30	99.7%
9	1008	AIS compliant pinch valve	\$ 4,889	\$4,889.00	\$1,719,648.30	99.4%
10	FO12A	Relocate block retaining wall	\$ 20,000		\$1,719,648.30	99.4%
11	9	Pipe vents in septage bldg	\$ 7,440	\$7,440.00	\$1,712,208.30	99.0%
12	8	Septage bldg main cleanout	\$ 750		\$1,712,208.30	99.0%
13	1009	Replace valves at clarifier 4	\$ 20,394	\$20,394.00	\$1,691,814.30	97.8%
14	46	Changes to EMH13 and electrical room	\$ 65,500	\$65,500.00	\$1,626,314.30	94.0%
15	35	Trench drains in garage	\$ -	\$0.00	\$1,626,314.30	94.0%
15A	35	Trench drains in garage	\$ -	\$0.00		
15B	35	Trench drains in garage (vents)	\$ 6,636	\$6,636.00	\$1,619,678.30	93.6%
16	1011	Primary scum level sensor	\$ (2,000)		\$1,619,678.30	93.6%
17	1012	Main PS bypass changes	\$ 1,500		\$1,619,678.30	93.6%
18		Weather impacts	\$ -		\$1,619,678.30	93.6%
19	1015	Gravity Thickener 2 concrete fill	\$ 4,000		\$1,619,678.30	93.6%
20	53	PRB-MOD 7 & 15	\$ 500	\$0.00	\$1,619,678.30	93.6%
21	43	Core and Link Seal	\$ 504	\$504.00	\$1,619,174.30	93.6%
22	1014	Demolish suspended ceiling	\$ 584	\$584.00	\$1,618,590.30	93.5%
23	46X	Reconfiguration of ductbank G-G - MOVED to PCO 14	\$ -	\$0.00	\$1,618,590.30	93.5%
24	1019	Cleanouts in chemical room	\$ 3,050	\$3,050.00	\$1,615,540.30	93.4%
25	1018	Firewall in chemical room	\$ (1,000)		\$1,615,540.30	93.4%
26		Buried fire alarm conduit in chemical room	\$ 6,000		\$1,615,540.30	93.4%
27	1021	Additional rebar at secondary clarifier 4	\$ 1,500		\$1,615,540.30	93.4%
28	64	GPR existing concrete	\$ 35,000	\$35,000.00	\$1,580,540.30	91.3%
29	1017	Relocate MW-105	\$ 9,444	\$9,444.00	\$1,571,096.30	90.8%
30	1022	Manhole covers	\$ 1,500		\$1,571,096.30	90.8%
31	74	Chemical room eyewash and water supply	\$ -		\$1,571,096.30	90.8%
32	1025	Administration building changes	\$ -		\$1,571,096.30	90.8%
33	1020	Gravity thickener supports	\$ 2,500		\$1,571,096.30	90.8%
34	38	Remove existing 8-inch scum line @ Sec Clar 4	\$ -		\$1,571,096.30	90.8%

**Uxbridge Wastewater Treatment Facility BNR and Infrastructure Upgrade**  
**Proposed Change Order (PCO) Log & Project Funding Budget Status**  
**General Contractor: Daniel O'Connell's Sons, Inc.**  
**Contract No. 2016-05; GHD Job No. 8618922A**

June 19, 2018

Open	
Agreed Change	
Not Approved / Closed	
No Cost Change	
Not Approved / Dispute	
Void or Superseded	

**Contract Value:** \$34,604,926.00  
**Contingency:** \$1,730,246.30  
**Construction Budget:** \$36,335,172.30

PCO No.	Response to RFI	Work Item Descriptions	GHD Rough Estimate	Negotiated Value	Net Available	Net Available as %
35	1026	Chemical Room Floor	\$ 15,000		\$1,571,096.30	90.8%
36	1027	Filter bldg gate and valves	\$ 30,000		\$1,571,096.30	90.8%
37	1029	Storage Room ADB-129 window	\$ 763	\$763.00	\$1,570,333.30	90.8%
38	1030	Sludge pumping station roof	\$ 25,270	\$25,270.00	\$1,545,063.30	89.3%
39	1031	Garage bathroom	\$ -	\$0.00	\$1,545,063.30	89.3%
40	1032	Admin/process building windows	\$ 20,000		\$1,545,063.30	89.3%
41	1035	Delete blower discharge valves	\$ (5,000)		\$1,545,063.30	89.3%
42	105	ADB pull stations	\$ 2,000		\$1,545,063.30	89.3%
43	83	Details for lifting eyes	\$ (6,000)		\$1,545,063.30	89.3%
44	75R	Water supply size	\$ -		\$1,545,063.30	89.3%
45	76R	Emergency eyewash and shower	\$ 8,000		\$1,545,063.30	89.3%
46	79	Flow alarms	\$ 1,000		\$1,545,063.30	89.3%
47	1037	Plant water system gate valves	\$ 20,000		\$1,545,063.30	89.3%
48	1036	Gravity thickener guard rails	\$ (20,000)		\$1,545,063.30	89.3%
49	82R1	Louver openings	\$ 10,000		\$1,545,063.30	89.3%
50	1039	Process Admin Bldg duct modifications	\$ (1,000)		\$1,545,063.30	89.3%
51	92	W05 window type	\$ -		\$1,545,063.30	89.3%
52	1040	Glycol storage	\$ 1,150	\$1,150.00	\$1,543,913.30	89.2%
53	1038	Process Bldg. HVAC (west)	\$ 20,000		\$1,543,913.30	89.2%
54	93	Roof Openings - Admin. Bldg.	\$ 10,000		\$1,543,913.30	89.2%
55	1046	Water line - Process Bldg.	\$ 7,500		\$1,543,913.30	89.2%
55	1049	Slide Gates	\$ 1,000		\$1,543,913.30	89.2%
57	1047	Process Bldg. Roof Openings	\$ 75,000		\$1,543,913.30	89.2%
58	109	Toilet Carrier	\$ 20,000		\$1,543,913.30	89.2%
59	117	Chemical Building Gr.	\$ -		\$1,543,913.30	89.2%
60	2C	Vents for OWS	\$ -		\$1,543,913.30	89.2%
61	1003A	Utility Coordination	\$ 5,000		\$1,543,913.30	89.2%
62	1050	Filter Bldg. Clean Out	\$ (5,000)		\$1,543,913.30	89.2%
63	WCD1	Boiler Abatement	\$ 10,000		\$1,543,913.30	89.2%
64	1052	Vacuum Pump	\$ 2,500		\$1,543,913.30	89.2%
65	1054	Restroom Floor Drains	\$ 7,000		\$1,543,913.30	89.2%
66	146R1	Roof Drains	\$ -		\$1,543,913.30	89.2%
67		Lead abatement at ceilings			\$1,543,913.30	89.2%
68	1058	Lab Plumbing Changes	\$ 2,000		\$1,543,913.30	89.2%
69	1059	IT Network Rack	\$ (1,000)		\$1,543,913.30	89.2%
70	128R1	Bubblers in Admin bldg	\$ -		\$1,543,913.30	89.2%
71	1057	Aeration Basin 1 concrete repair	\$ -		\$1,543,913.30	89.2%

**Uxbridge Wastewater Treatment Facility BNR and Infrastructure Upgrade  
Proposed Change Order (PCO) Log & Project Funding Budget Status  
General Contractor: Daniel O'Connell's Sons, Inc.  
Contract No. 2016-05; GHD Job No. 8618922A**

June 19, 2018

Open	
Agreed Change	
Not Approved / Closed	
No Cost Change	
Not Approved / Dispute	
Void or Superseded	

**Contract Value:** \$34,604,926.00  
**Contingency:** \$1,730,246.30  
**Construction Budget:** \$36,335,172.30

PCO No.	Response to RFI	Work Item Descriptions	GHD Rough Estimate	Negotiated Value	Net Available	Net Available as %
72	1053	Chem PW	\$ 2,000		\$1,543,913.30	89.2%
73						
74						
75						
		TOTAL		\$186,333.00		

**Uxbridge Wastewater Treatment Facility BNR and Infrastructure Upgrade  
Change Management**

**General Contractor: Daniel O'Connell's Sons, Inc.**

**Contract No. 2016-05; GHD Job No. 8618922A**

**Periodic Update: May 2018**

<b>Construction Budget</b>	<b>\$</b>	<b>36,335,172</b>
Initial Construction Contract	\$	34,604,926
Approved Change Orders*	\$	186,333
Unallocated Budget	\$	1,543,913

**Construction Progress**

Days Since June 26, 2017 Notice to Proceed	339	Construction Contract Value, Including Change Orders	\$ 34,791,259.00
Contract Duration	970	Amount Earned to Date	\$ 6,937,528.97
Days Remaining	631	Percent of Value Completed	20%
Percent of Time Expended	35%		

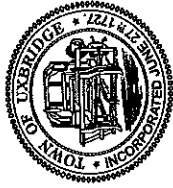
**Potential Change Orders (PCOs) vs Construction Budget**

Requests for Information from DOC	190	No. of PCOs	72
Requests for Information from GHD	65	No. PCOs in Negotiation	53
Approved Change Orders*	2	Potential Change Amount	\$ 356,000
Percent of Initial Construction Contract	0.5%	Percent of Initial Contract	1.0%

**Contingency Management**

Contingency - Percent of Initial Contract	5%	Contingency Amount	\$ 1,730,246
Percent of Contingency in Change Orders	10.8%	Change Orders to Date	\$ 186,333
Percent of Contingency in Potential Changes	21%	Potential Changes	\$ 356,000
Percent of Contingency Identified	31%	Total Changes Identified	\$ 542,333
Percent of Contingency Remaining	69%	Remaining Contingency	\$ 1,187,913

\* Includes Change Order No. 2, which is prepared and waiting approval



TOWN OF UXBRIDGE  
WWTF BUILDING COMMITTEE  
UXBRIDGE, MASSACHUSETTS 01569

MEETING SIGN IN SHEET  
WEDNESDAY, JUNE 20, 2018, 5:00 pm  
21 SOUTH MAIN STREET, UXBRIDGE, MA

INITIAL	NAME	AFFILIATION	ADDRESS	PHONE	EMAIL
<i>DB</i>	Dale Bangma	WWTF Building Committee			
<i>JM</i>	Joe Marchand	WWTF Building Committee			
<i>EO</i>	Eugene O'Rourke	WWTF Building Committee			
<i>DH</i>	Dan Hicks	WWTF Building Committee			
<i>WK</i>	William Kessler	WWTF Building Committee			
<i>BS</i>	Benn Sherman	Uxbridge DPW			<a href="mailto:bsherman@uxbridge-ma.gov">bsherman@uxbridge-ma.gov</a>
<i>JK</i>	Jim Legg	Uxbridge DPW-Wastewater			<a href="mailto:jlegg@uxbridge-ma.gov">jlegg@uxbridge-ma.gov</a>
<i>AE</i>	Angie Ellison	Town Manager			<a href="mailto:aellison@uxbridge-ma.gov">aellison@uxbridge-ma.gov</a>
<i>ST</i>	Sandy Tripp	GHD (Designer)			<a href="mailto:sandy.tripp@ghd.com">sandy.tripp@ghd.com</a>
<i>MD</i>	Marc Drainville	GHD (Designer)			<a href="mailto:marc.drainville@ghd.com">marc.drainville@ghd.com</a>
<i>LT</i>	Laurie Toscano	Weston & Sampson (OPM)			<a href="mailto:ltoscano@wseinc.com">ltoscano@wseinc.com</a>
<i>FW</i>	Frank Woodfall	Keville Enterprises			<a href="mailto:fwoodfall@keville.com">fwoodfall@keville.com</a>