



TOWN OF UXBRIDGE  
**WWTF BUILDING COMMITTEE**  
UXBRIDGE, MASSACHUSETTS 01569

Received by  
Uxbridge  
Town Clerk

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

## MEETING MINUTES

**MEETING DATE:** January 17, 2018  
**MEETING LOCATION:** BOS Meeting Room, 21 So. Main Street

**COMMITTEE MEMBERS PRESENT:**

Dale Bangma  
Eugene O'Rourke  
Bill Kessler  
Joe Marchand  
Dan Hicks

**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)

**I. CALL TO ORDER**

It being 5:30 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 (10/18/2017, 11/15/2017)**

Motion by Bill Kessler, seconded by Dan Hicks to accept the minutes from the October 18, 2017 meeting. **Motion carried 5-0-0.**

Motion by Joe Marchand, seconded by Eugene O'Rourke to accept the minutes from the October 18, 2017 meeting. **Motion carried 5-0-0.**

**C. Project Update**

Laurie Toscano (OPM) distributed the OPM status report to the Committee, which covers a two month period due to the holiday season.

West River Pump Station (WRPS): The project is in a winter shutdown period. Change order number 2 was executed by the Town in the amount of \$5,213. This change order included a time extension (no cost to Town) and provided the contractor with the fees associated with change order 1 (bonds and insurance). WMS continues to submit shop drawings for review.

Wastewater Treatment Facility (WWTF): Ms. Toscano reviewed the progress outlined in the OPM report. Notable items include: Extreme weather was observed this period which



impacted some of the scheduled work but has increased presence on site in other areas process building (demo the chemical room and temporary laboratory); paused work at the septage receiving and preliminary treatment building area until weather improves; gravity thickener 2 continues with necessary winter heating blankets and equipment for concrete curing; a variety of concrete work was completed; and Secondary Clarifier #4 initial piping and reinforcing being installed.

#### **D. Schedule Update**

Ms. Toscano updated the committee on the recent schedule provided by DOC and is provided in the OPM report in accordance with the requests of the Committee. Schedule improvements include additional yard piping to account for future process area work. The current concern is the lack of float due to the two week loss of time caused by the extreme weather. The project team met with DOC to discuss potential options to gain back some float. DOC anticipates finalizing a plan over the next month leading into the spring season that will have a positive impact on the schedule.

Bill Kessler asked about the details associated with the extreme weather schedule issues. Sandy Tripp explained the extreme weather arrived earlier than expected, and stopped the work a few weeks ahead of schedule. This issues with outside work center on DOC's ability to have interior work. This something that will be included in the schedule for this winter as well as next winter. The goal is to get the concrete out of the ground (site work) but overall the contractor made up some ground at the end of the fall.

Laurie Toscano discussed the overall project schedule highlighting major milestones. The project team will be submitting the quarterly compliance report at the end of the month.

Dale Bangma asked if the contractor will be submitting a recovery schedule. Sandy Tripp indicated DOC submits a monthly progress schedule which indicated the schedule slipped a few more days. We continue to work with the contractor to ensure the schedule logic includes measures to reduce the loss of float. Jim Legg indicated DOC is working on increasing staff presence to work on the schedule issues. The area associated with the aeration basins is anticipated to include measures to keep processes in operation while opening up other areas for active work zones.

#### **E. Budget Update**

Laurie Toscano noted we have received and processed three (3) payment requisitions for completed work. Other project related costs include construction administration/resident services and OPM services. Monthly reimbursements have been made to the Clean Water Trust program and we have seen a quick turnaround in receipt of reimbursements. Change Order number 1 is under review. This change order includes a change to an AIS compliant valve (required by the SRF program) and replacement valves to the plant water system. Once completed, the change order will be circulated for comment by the committee. Benn Sherman further highlighted the financial summary sheet showing the movement of funds in all accounts including contingency funds. Mr. Sherman explained the added summary depicting the reimbursements which show the apportionment to each loan (2%, 0% and 0% grant).

#### **IV. MEMBER COMMENTS**

None



V. **ADJOURNMENT**

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

*Minutes respectfully submitted by Benn Sherman.*

*Minutes approved by WWTF Building Committee*

Date Approved: 4/19/2018

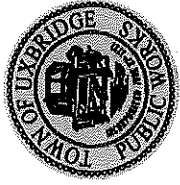
Dale Bangma, Chairman

Joe Marchand, Vice Chairman

Dan Hicks

William Kessler

Eugene O'Rourke



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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<sup>1</sup>  
SOURCE: SRF 0%, SRF 2%, Local Borrowing  
TM DATE: 4/2/16  
TM APPROPRIATION: \$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

TOTAL AUTHORIZATION: \$44,800,000.00

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					\$ 2,713.75			
41-440-2050-4106PW16-0000-0-0	WWTF RETAINAGE <sup>1</sup>	06/26/17					\$ 119,999.24			
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	\$ 94,078.51	\$ 405,921.49	18.8%	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	\$ 677,862.90	\$ 3,472,137.10	16.3%	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	\$ 42,966.87	\$ 97,033.13	30.7%	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	- \$	34,604,926.00	\$ 2,279,985.50	\$ 32,324,940.50	6.6%	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	\$ 51,561.25	\$ 1,591,987.75	3.3%	Active
41-440-5897-4106PW16-0000-0-0	CONTINGENCY <sup>1,3</sup>	07/01/17	\$ 2,050,000.00	\$ 2,300,000.00	\$ (84,113.00)	2,215,887.00	\$ -	\$ 2,215,887.00	0.0%	Active
TOTAL COMMITTED			\$ 44,800,000.00	\$ 44,800,000.00	\$ -	44,800,000.00	\$ 4,769,168.02	\$ 40,153,544.97	10.6%	
FUNDS AVAILABLE				\$ -						

<sup>1</sup> Included in the SRF funding request and authorization

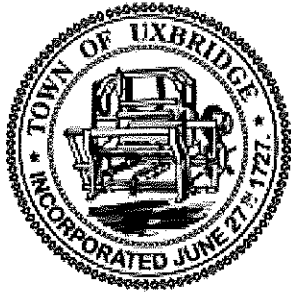
<sup>2</sup> Included in the independent borrowing for final design and OPM services

<sup>3</sup> GHD additional services for WWTF were put into the contingency line

REIMBURSEMENT SUMMARY

ACCOUNT NUMBER	REIMBURSIBLE ITEMS	ELIGIBLE COSTS <sup>4</sup>	CONTRACTED AMOUNT	2% Loan 16-26	0% Loan 16-26A	0% Fed. Grant (26B)	TOTAL SUBMITTED	TOTAL REIMBURSED
41-440-4680-4106PW16	WRPS CONSTRUCTION (WMS)	\$ 1,637,408.00	\$ 1,643,549.00	\$ 51,561.25	\$ -	\$ -	\$ 51,561.25	
41-440-4680-4106PW16	WWTF CONSTRUCTION (DOC)	\$ 36,335,172.00	\$ 34,604,926.00	\$ 638,395.94	\$ 1,641,589.56	\$ -	\$ 2,279,985.50	
41-440-4680-4106PW16	WWTF CPS (GHD)	\$ 4,400,000.00	\$ 4,150,000.00	\$ -	\$ -	\$ 677,862.90	\$ 677,862.90	
41-440-4680-4106PW16	WRPS CPS (GHD)	\$ 140,000.00	\$ 140,000.00	\$ 42,966.87	\$ -	\$ -	\$ 42,966.87	
41-440-4680-4106PW16	UTILITY WORK	\$ 287,420.00	\$ 287,420.00	\$ -	\$ -	\$ -	\$ -	
TOTAL		\$ 42,800,000.00	\$ 40,825,895.00	\$ 732,924.06	\$ 1,641,589.56	\$ 677,862.90	\$ 3,052,376.52	\$ 2,250,314.00

<sup>4</sup> - MassDEP's revised Project Approval Certificate dated 6/1/2017



# Monthly OPM Project Updates

## December 2017/January 2018

### 2016-04 West River Pump Station Replacement

**Progress:** Last Month – WM Schultz finalized revisions to submittals and coordinated with the pump station supplier on procurement and delivery of equipment. The contractor's third application for payment and Change Order No. 2 were submitted and approved.  
This Month – WM Schultz is currently in a winter shut down period awaiting delivery of equipment. The next monthly construction meeting will be held just prior to the delivery of the pump station equipment.

**Schedule:** Estimated Project Completion Date: November 30, 2018

<b>Financial:</b>	GHD Budget:	\$140,000	Invoiced:	\$42,966	% Complete:	31%
	Contractor:	\$1,638,336*	Invoiced:	\$51,561	% Complete:	3.2%

*\*Adjusted for Change Order No. 1*

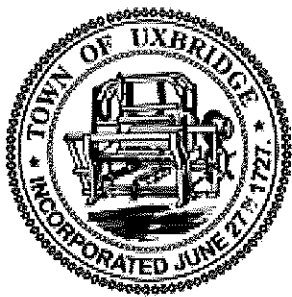
**Submittal Status:** Approximately 35% of submittals have been received and have been or are being reviewed.

**Action Items:** Continue to work with WM Schultz schedule for equipment procurement and delivery and overall project completion.

**Current Status:** WM Schultz will continue shop submittals and procurement of equipment and materials. They plan to mobilize on or around March 12, 2018 (the anticipated delivery date of the PS equipment).

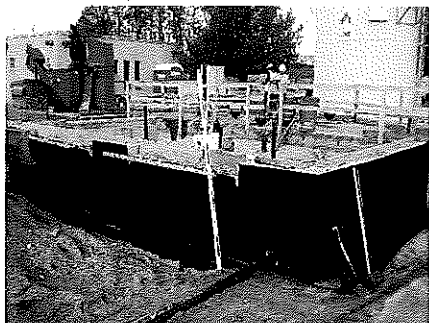
### 2016-05 Wastewater Treatment Facility BNR & Infrastructure Upgrade

**Progress:** Last Month – DOC finalized the baseline schedule and the schedule of values, continued submittal of shop drawings, is procuring equipment/materials, prepped for the base slab for Preliminary Treatment area improvements, finalized the masonry sample wall for approval, continued concrete work for the new Septage Receiving facility, continued transformer pad and electrical duct bank installation, continued formwork for new GT #2 sludge hopper, prepped Secondary Clarifier (SC) #1 and

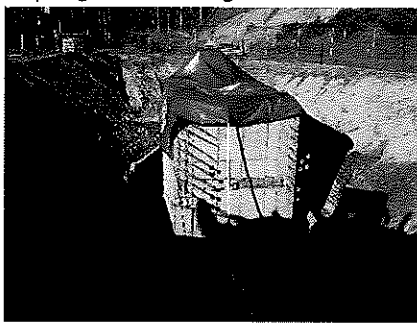


excavated for new SC #4. GHD continued to review and comment on submittals received and continues to provide full-time construction inspection. Monthly construction meetings were held on November 9, 2017, December 14, 2017 and January 11, 2018. The Contractor's 2<sup>nd</sup> and 3<sup>rd</sup> payment application were processed.

*Preliminary Treatment Work*



*Septage Receiving Work*

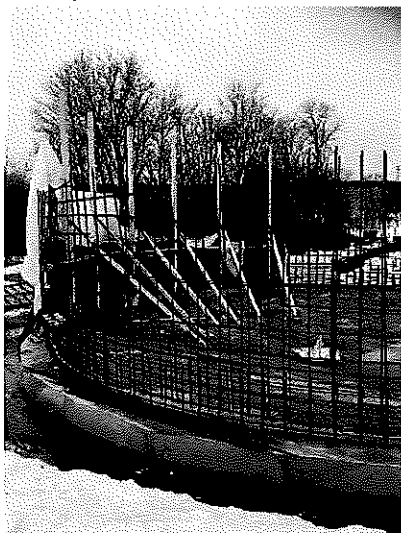


*Gravity Thickener #2*



This Month – DOC is continuing the submittal of shop drawings, procuring equipment/materials, excavating for the retaining wall, continuing transformer and electrical duct bank installation, continuing formwork and concrete placement for new GT #2 walls, continuing formwork and piping for new SC #4, demolition for Chemical Room #1 in the Process Building. Septage Receiving and Preliminary Treatment work are on hold. Weather conditions have slowed construction. GHD continues to review and comment on submittals received and continues to provide full-time construction inspection. The next monthly construction meeting will be held on February 8, 2018.

*Gravity Thickener #2*

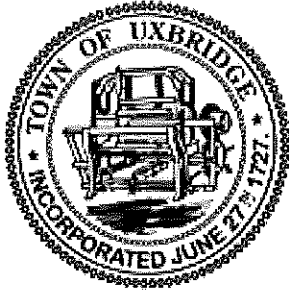


*Septage Receiving Work*



*Secondary Clarifier #4*

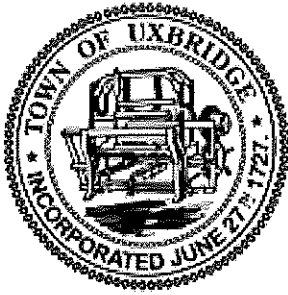




Schedule: Estimated Project Completion Date: February 21, 2020

Key Milestone Completion Dates: based on DOC 01/15/18 Progress Schedule

Activity	Start by Date	Finish by Date	Early (E), Late (L) or Actual (A) Date *
Preliminary Treatment Building:	September 21, 2017A	February 26, 2019	E
Septage Receiving Building:	October 3, 2017A	September 24, 2018	E
Sludge Thickener No. 2:	October 16, 2017A	May 29, 2019	E
Site Electrical:	October 17, 2017A	December 13, 2018	E
Secondary Clarifier No. 4	October 31, 2017A	January 21, 2019	E
Yard Piping	November 28, 2017A	October 18, 2019	E
Aeration Basins Nos. 1-3 Extensions	February 21, 2018	February 7, 2020	L
Process/Admin Building with Finishes	February 28, 2018	February 21, 2020	L
Chemical Building	March 12, 2018	December 13, 2019	L
Filter Building	July 11, 2018	November 22, 2019	L
Aeration Basin Distribution Box	July 12, 2018	October 16, 2018	L
Blower Building	August 14, 2018	December 20, 2019	L
Secondary Clarifier Nos. 1-3 Upgrade	October 4, 2018	April 12, 2019	L
Utility Tunnel	November 28, 2018	October 14, 2019	L
UV & Post Aeration	December 18, 2018	November 22, 2019	L
Process Bldg. Blower Room:	February 12, 2019	November 22, 2019	L
Primary Settling Basins	February 14, 2019	November 22, 2019	L
Primary Settling D-Box	February 14, 2019	April 9, 2019	L
Sludge Pumping Station	April 15, 2019	November 22, 2019	L
Garage:	April 15, 2019	October 23, 2019	L
Main Pump Station	April 26, 2019	October 14, 2019	L



Activity	Start by Date	Finish by Date	Early (E), Late (L) or Actual (A) Date *
Utility Tunnel Access No. 2	June 26, 2019	October 14, 2019	L
Sludge Thickener #1	July 15, 2019	November 5, 2019	L
Sludge Holding Tank:	November 6, 2019	November 22, 2019	L
Testing & Startup	November 24, 2019	February 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 <b>Bold</b> ), 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: \$94,078      % Complete: 19%  
                          GHD Budget:      \$4,150,000      Invoiced: \$677,863      % Complete: 16%  
                          DOC Budget:      \$34,604,926      Invoiced: \$2,279,985      % Complete: 7%

Submittal Status: Approximately 50% of submittals have been received and have been or are being reviewed.

Action Items: Continue to work with DOC to evaluate strategies to restore float in the schedule and resume construction progress at the increased rate once weather permits. Continue to process the payment requisitions and evaluate potential change orders.

Current Status: DOC will continue shop submittals, procurement of equipment and materials and resume an increased labor presence on-site once the weather allows. Current work areas are sitework for the retaining wall near the new Septage Receiving area, the new Gravity Thickener #2 area, the new Transformer and electrical duct bank area and demo/temporary lab set-up in the Process/Administration Building.