



TOWN OF UXBRIDGE
WWTF BUILDING COMMITTEE
UXBRIDGE, MASSACHUSETTS 01569

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

MEETING MINUTES

MEETING DATE: April 19, 2018
MEETING LOCATION: BOS Meeting Room, 21 South Main Street

AUG 15 '18 PM 6:30

Received by
Uxbridge
Town Clerk

COMMITTEE MEMBERS PRESENT:

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

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 5:00 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 (01/17/2018, 02/14/2018)

Motion by Bill Kessler, seconded by Joe Marchand to accept the minutes from the January 17, 2018 meeting. **Motion carried 5-0-0.**

Motion by Joe Marchand, seconded by Dan Hicks to accept the minutes from the February 14, 2018 meeting. **Motion carried 4-0-1.**

C. Project Update

Laurie Toscano (OPM) distributed the OPM status report to the Committee. This report includes the prior two months (March and April).

West River Pump Station (WRPS): Excavation has begun on the station. Activities include installation of the support of excavation (SOE) with the installation of the sheeting and dewatering activities. It is anticipated the pump station will be delivered once the dewatering activities are complete. Bill Kessler asked if there were any risks associated the dewatering activities. Dewatering activities are included with the project. The contractor has encountered some subsurface rock which was to be expected due to the borings previously completed during the design stage. The project team subsequently re-oriented the position of the station due to



Joe Marchand asked about the reason for not knowing about the asbestos abatement associated with the boiler removal. There was no way to know until the contractor was in the demolition phase of the boiler. We anticipate approximately \$6000 for the abatement of the asbestos.

Benn Sherman and Jim Legg attended the Gap Grant funding announcement from Commonwealth. The Town was awarded \$168,313 in energy efficiency and renewable energy upgrades at the WWTF. These funds are intended to reimburse for items that were included on the project.

V. ADJOURNMENT

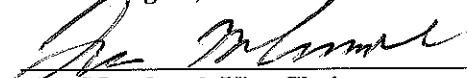
Motion by Bill Kessler, seconded by Dan Hicks to adjourn the meeting at 5:48 p.m. **Motion carried 5-0-0.**

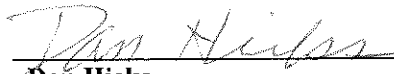
*Minutes respectfully submitted by **Benn Sherman**.*

Minutes approved by WWTF Building Committee

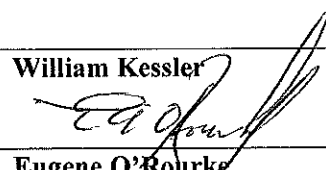
Date Approved: 07-18-18

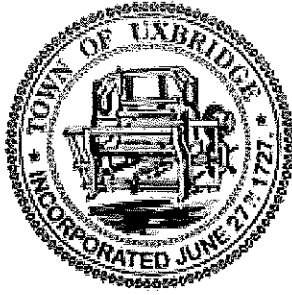
Dale Bangma, Chairman


Joe Marchand, Vice Chairman


Dan Hicks

William Kessler


Eugene O'Rourke



Monthly OPM Project Updates

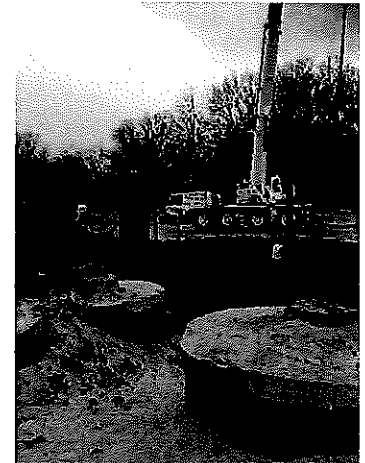
March/April 2018

2016-04 West River Pump Station Replacement

Progress:

Last Month – WM Schultz continued the winter shut down period awaiting delivery of equipment. Brief monthly construction meetings/calls were held on February 8th and March 16th and the pump station equipment is in production with an anticipated delivery in early April 2018. The generator equipment is with the electrical contractor, Fall River Electrical Associates, and will be stored with them until ready for transport to the site. This Month – WM Schultz has mobilized to the site, begun dewatering activities and is starting the sheeting installation for support of excavation. Temporary fencing has been installed for site safety. The PS is scheduled for delivery on May 2nd (pending confirmation of adequate excavation dewatering). A monthly construction meeting was held on April 12th.

GHD continues to review and comment on submittals received.



Schedule:

Estimated Project Completion Date: November 30, 2018

Financial:

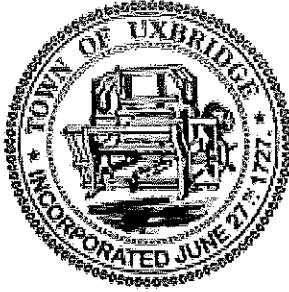
GHD Budget:	\$140,000	Invoiced:	\$51,979	% Complete:	37.1%
Contractor:	\$1,643,549*	Invoiced:	\$59,769	% Complete:	3.6%

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

Submittal Status: Approximately 65% of submittals have been received and have been or are being reviewed.

Action Items: Continue to work with WM Schultz for equipment delivery and installation.

Current Status: WM Schultz will continue with dewatering, support of excavation and equipment installation once site is ready. Structural steel subcontractor (EDM) has been unresponsive on submittals, so WMS will continue to try to reach them.

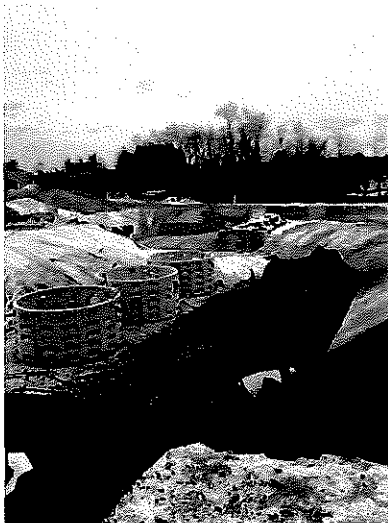


2016-05 Wastewater Treatment Facility BNR & Infrastructure Upgrade

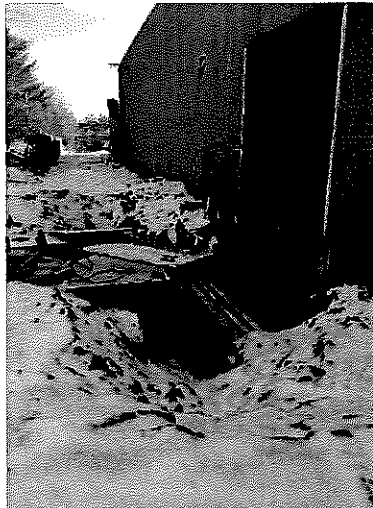
Progress:

Last Month – DOC continued submittal of shop drawings, continued procuring equipment/materials, continued transformer and electrical duct bank installation, perimeter drain and buried plumbing installation in the Septage Receiving area continued formwork and concrete for new GT #2 walls, continued formwork and piping for new SC #4, construction of the temporary laboratory and demolition of the laboratory in the Process Building, excavation and foundation work for the new Garage and began the support of excavation and utility relocation work for the new Filter Building. GHD continued to review and comment on submittals received and continues to provide full-time construction inspection. The monthly construction meetings were held on February 8th and March 14th. The Contractor's 5th payment application was processed for \$429,981 and 6th payment application was recently processed for \$771,710.

Drainage Leaching Basins



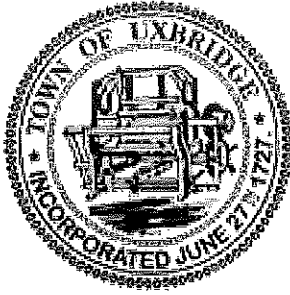
Electrical (EMH-13) Work



Secondary Clarifier #4



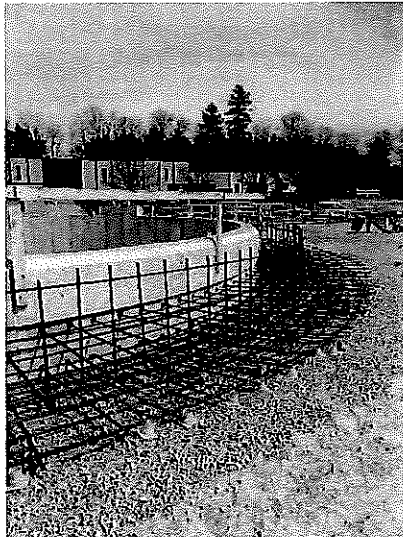
This Month – DOC is continuing the submittal of shop drawings, procuring equipment/materials, continuing secondary electrical duct bank installation, pouring floor slabs and beginning CMU walls for the Septage Receiving area, foundation work in the new Garage area, continuing formwork and concrete placement for new GT #2 launderers, continuing rebar installation and formwork for the base slab of new SC #4, demolition of the HVAC and abatement activities in the Process Building, installation of temporary office & bathroom facilities for Operation's staff, demolition of the



bathrooms/locker rooms and conference rooms in the Admin Building, yard piping for several process bypasses (sewer, RAS, Primary Effluent, chemical, SC effluent), beginning the support of excavation for the Aeration basin expansions and continue excavation and underslab utilities for the new Filter Building and Chemical Building. Preliminary Treatment work will commence once a temporary system for that can be installed.

GHD continues to review and comment on submittals received and continues to provide full-time construction inspection. A recent monthly construction meeting was held on April 12, 2018 and the next will be held on May 10, 2018.

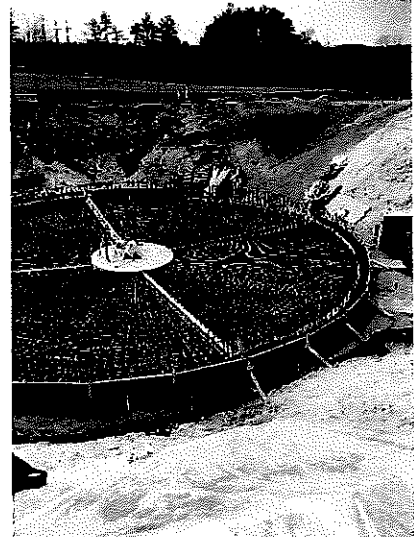
New Gravity Thickener No. 2



New Garage Foundation



New Secondary Clarifier #4

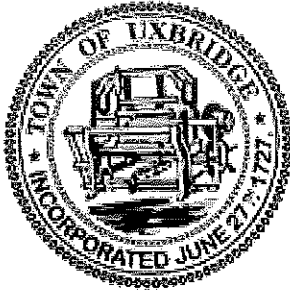


Excavation for New Filter & Chemical Buildings



Temp. Operation's Staff Space

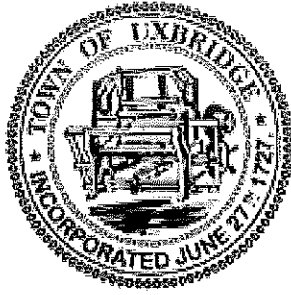




Schedule: Estimated Project Completion Date: February 21, 2020

Key Milestone Completion Dates: based on DOC 04/10/18 draft 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	03/15/2019	E
Septage Receiving Building:	10/03/2017A	09/25/2017	10/30/2018	E
Sludge Thickener No. 2:	10/16/2017A	11/09/2017	07/25/2019	E
Site Electrical:	10/17/2017A	10/17/2017	03/07/2019	E
Secondary Clarifier No. 4	10/31/2017A	08/30/2017	03/12/2019	E
Yard Piping	11/28/2017A	07/11/2018	10/22/2019	E
Process/Admin Building with Finishes	12/19/2017A	02/28/2018	01/01/2020	E
Process Bldg. Blower Room:	01/23/18A	02/12/2019	08/30/2019	E
Filter Building	02/07/2018A	07/20/2018	07/24/2019	E
Garage	03/12/2018A	04/16/2019	12/28/2018	E
Aeration Basins Nos. 1-3 Extensions	03/27/2018A	02/09/2018	10/10/2019	E
Chemical Building	04/02/2018	03/23/2018	09/02/2019	L
Main Pump Station	04/02/2018	04/26/2019	04/29/2019	L
Aeration Basin Distribution Box	05/21/2018	07/02/2018	09/11/2018	L
Blower Building	07/19/2018	08/15/2018	12/06/2018	L
Primary Settling Basins	07/19/2018	02/15/2019	07/26/2019	L
Primary Settling D-Box	07/19/2018	02/15/2019	09/11/2018	L
Sludge Pumping Station	08/01/2018	04/15/2019	05/03/2019	L
Utility Tunnel Access No. 2	10/15/2018	06/28/2019	02/08/2019	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	10/02/2018	10/09/2018	05/09/2019	L
UV & Post Aeration	10/22/2018	12/21/2018	10/08/2019	L
Utility Tunnel	11/16/2018	11/28/2018	02/20/2019	L
Sludge Thickener #1	04/02/2019	07/15/2019	07/25/2019	L
Sludge Holding Tank:	07/25/2019	11/06/2019	08/12/2019	L
Testing & Startup	10/08/2019	11/23/2019	01/09/2020	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: \$ 119,038 % Complete: 23.8%
 GHD Budget: \$4,150,000 Invoiced: \$1,057,371 % Complete: 25.4%
 DOC Budget: \$34,665,209** Invoiced: \$3,995,422 % Complete: 11.5%

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

Submittal Status: Approximately 68% of submittals have been received and have been or are being reviewed.

Action Items: Continue to work with DOC to confirm strategies to restore float in the schedule (currently at +22 days for the longest process path) and continue construction progress at the increased rate. Continue to process submittals 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 have been opened up. Current work areas are the existing Process/Administration Building, the new Septage Receiving area, the new Garage area, the new Gravity Thickener #2 area, the new Secondary Clarifier #4 area, the new Filter Building and Chemical Building area. The Contractor's 6th payment application is being processed for payment and the 7th reimbursement request package will be submitted to DEP this week.



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 Construction¹
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
41-440-2050-4106PW15-00000-0-0	WRPS RETAINAGE ¹	06/26/17					\$ 3,145.75			
41-440-2050-4106PW16-00000-0-0	WWTF RETAINAGE ¹	06/26/17					\$ 210,285.40			
41-440-5303-4106PW16-00000-0-0	LEGAL ¹	07/01/17	\$ 45,638.00	\$ 45,638.00	-	\$ 45,638.00	\$ -	\$ 45,638.00	0.0%	Active
41-440-5880-4106PW16-00000-0-0	WWTF FINAL DESIGN ²	07/01/16	\$ 1,500,000.00	\$ 1,500,000.00	-	\$ 1,500,000.00	\$ 1,500,000.00	\$ -	100.0%	Closed
41-440-5892-4106PW16-00000-0-0	OWNER'S PROJECT MANAGER ²	02/07/17	\$ 500,000.00	\$ 500,000.00	-	\$ 500,000.00	\$ 119,038.44	\$ 380,961.56	23.8%	Active
41-440-5893-4106PW16-00000-0-0	WWTF CPS (GHD) ^{1,3}	11/09/16	\$ 4,400,000.00	\$ 4,150,000.00	-	\$ 4,150,000.00	\$ 1,005,392.03	\$ 3,144,607.97	24.2%	Active
41-440-5893-4106PW16-91000-0-0	WRPS CPS (GHD) ¹	11/09/16	\$ 140,000.00	\$ 140,000.00	-	\$ 140,000.00	\$ 51,979.14	\$ 88,020.86	37.1%	Active
41-440-5894-4106PW16-00000-0-0	WWTF CONSTRUCTION (DOC) ¹	06/26/17	\$ 34,604,926.00	\$ 34,604,926.00	\$ 60,283.00	\$ 34,665,209.00	\$ 3,995,422.51	\$ 30,669,786.49	11.5%	Active
41-440-5894-4106PW16-91000-0-0	WRPS CONSTRUCTION (WMS) ¹	06/26/17	\$ 1,559,436.00	\$ 1,559,436.00	\$ 84,113.00	\$ 1,643,549.00	\$ 59,769.25	\$ 1,583,779.75	3.8%	Active
41-440-5897-4106PW16-00000-0-0	CONTINGENCY ^{1,3}	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	\$ 7,067,356.44	\$ 37,946,074.71	15.8%	

¹ Included in the SRF funding request and authorization

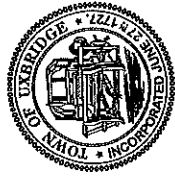
² Included in the independent borrowing for final design and OPM services

³ GHD additional services for WWTF were put into the contingency line

REIMBURSEMENT SUMMARY

ACCOUNT NUMBER	REIMBURSIBLE ITEMS	ELIGIBLE COSTS ⁴	CONTRACTED AMOUNT	2% Loan 16-26	U% Loan 16-26A	U% 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	\$ 40,161.00
41-440-4680-4106PW16	WWTF CONSTRUCTION (DOC)	\$ 36,335,172.00	\$ 34,665,209.00	\$ 638,395.94	\$ 1,641,589.56	\$ -	\$ 2,279,985.50	\$ 1,589,197.00
41-440-4680-4106PW16	WWTF CPS (GHD)	\$ 4,400,000.00	\$ 4,150,000.00	\$ -	\$ -	\$ 677,862.90	\$ 677,862.90	\$ 579,029.00
41-440-4680-4106PW16	WRPS CPS (GHD)	\$ 140,000.00	\$ 140,000.00	\$ 42,966.87	\$ -	\$ -	\$ 42,966.87	\$ 41,927.00
41-440-4680-4106PW16	UTILITY WORK	\$ 287,420.00	\$ 287,420.00	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL		\$ 42,800,000.00	\$ 40,886,178.00	\$ 732,924.06	\$ 1,641,589.56	\$ 677,862.90	\$ 3,052,376.52	\$ 2,250,314.00

⁴ MassDEP's revised Project Approval Certificate dated 6/1/2017



TOWN OF UXBRIDGE
WWTF BUILDING COMMITTEE
UXBRIDGE, MASSACHUSETTS 01569

MEETING SIGN IN SHEET
THURSDAY, APRIL 18, 2018, 5:00 pm
BOARD OF SELECTMEN ROOM, 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			bsherman@uxbridge-ma.gov
<i>JK</i>	Jim Legg	Uxbridge DPW-Wastewater			jlegg@uxbridge-ma.gov
<i>AE</i>	Angie Ellison	Town Manager			aellison@uxbridge-ma.gov
<i>ST</i>	Sandy Tripp	GHD (Designer)			sandy.tripp@ghd.com
	Marc Drainville	GHD (Designer)			marc.drainville@ghd.com
<i>LT</i>	Laurie Toscano	Weston & Sampson (OPM)			ltoscano@wseinc.com
	Frank Woodfall	Keville Enterprises			fwoodfall@keville.com