

**Workshop  
June 18, 2018  
Minutes**

In attendance were David Mercier from Underwood, Margaret Blank from Underwood, Dan Dudley from NHDES, Mark McPheters from TBuck, Tim Cunningham from TBuck, Superintendent Bruce Kudrick, Chairman Sidney Baines, Commissioner Frank Kotowski and Kim Langlois.

This workshop served as a progress meeting for the Phase III Capital improvements being done to the Sewer Plant. Dave Mercier passed out the agenda for the meeting (see attached) and went over where we are at as far as the projected time line for this project. The group discussed the bags that were used to hold the media taken out of the tanks that are being upgraded. The last meeting it was discussed that TBuck had to order more bags, they did so but now have extra unused bags and wanted to know if the Plant thought they would use them in the future or if they should just return them. The commissioners did not foresee any use for the bags in the future and recommended TBuck to return any unused bags. The commissioners' need to decide how to compensate TBuck for the cost of the extra bags. The price of the bags went up \$31.00/bag since the estimate was first submitted. The commissioners discussed compensating TBuck for the first 150 bags ordered.

Chairman Sidney Baines signed pay request #2 for Margaret Blank. She will send the commissioners copies and a cover letter explaining a breakdown of the costs. The next progress meeting was scheduled for July 2' 2018 at 10:00 am.

**HOOKSETT  
SEWER DEPARTMENT**

DATE RECEIVED \_\_\_\_\_

INITIAL	COMMENTS
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**Hooksett Sewer Commission  
Hooksett, NH  
Phase III Capital Improvements**

**Construction Progress Meeting No. 02 Agenda**

**10:00 a.m. – Monday, June 18th, 2018  
Hooksett Wastewater Treatment Facility**

<u>Attendees</u>		<u>Representing</u>
Dan Dudley	Construction Review	NHDES
Donald Winterton	Councilman	Hooksett Town Council
Sid Baines	Chairman	Hooksett Sewer Commission
Frank Kotowski	Commissioner	Hooksett Sewer Commission
Bruce Kudrick	Superintendent	Hooksett Sewer Commission
John Clark	WWTF Operator	Hooksett Sewer Commission
Kim Langlois	Clerk	Hooksett Sewer Commission
David Mercier, PE	Senior Project Manager	Underwood Engineers
Margaret Blank, PE	Senior Project Engineer	Underwood Engineers
Mark McPheters	Project Manager	T. Buck Construction, Inc.
Tim Cunningham	Superintendent	T. Buck Construction, Inc.

**PROJECT SUMMARY**

<b>Contract Start Date:</b>	<b>May 7, 2018</b>
<b>Substantial Completion:</b>	<b>September 2, 2018 / 120 days.</b>
<b>Final Completion:</b>	<b>October 2, 2018 / 150 days.</b>
<b>Contract Time Elapsed:</b>	<b>42 days / 35% to substantial completion (as of meeting date).</b>
<b>Contract Amount:</b>	<b>\$628,775.84 (includes C.O. #2)</b>
<b>Amount Billed to Date:</b>	<b>\$114,157.23 / 18.3% (Pay Req # 2)</b>

**NEW BUSINESS**

**1. Contact List**

No changes since previous meeting.

**2. Submittals**

Current submittal log attached.

- Reviews outstanding.
  - None.
- Revise and resubmit.
  - No. 2 Regenerative Blower
  - No. 32 MCC

### **3. Request for Information**

Current RFI/ESI log attached. RFI No. 20 – grating support in splitter box under review.

### **4. Work Completed to Date**

Completed since Project Meeting No. 1:

- MgOH storage tank concrete patching and repair completed.
- Media removal IFAS completed Tank No. 1.
- Excavation complete between flow control structure and splitter box.

### **5. Schedule of Work for the Next Month**

Anticipated work sequence over the next four weeks according to T. Buck Schedule dated 6/4/2018:

- **T. Buck to provide updated schedule (required for each progress meeting)**
- 6/11/2018-6/22/2018 – Effluent splitter box work. Excavation complete.
- 6/18/2018-6/22/2018 – Apply coatings in chemical room.
- Train 1 pipe cores and effluent piping modifications.
- Install chemical feed pumps and mixers.
- Blower and piping to arrive in July.

### **6. Change Order Items**

- CO #3 – Additional media removal costs.
  - o Additional media bags.
  - o Unit cost of media bags.
  - o Additional labor.
  - o Additional equipment time.
- Discussion

### **7. Payment Request Status**

- Payment request No.2 under review. T. Buck responding to DES comments regarding payroll.

### **8. Construction Issues**

- Cleaning of IFAS tanks – scheduled for Wednesday June 20.
- Structural inspection of concrete in IFAS Tank Nos. 1 and 2 tentatively scheduled for June 26, 8:00 a.m.
- HSC would like to revise the routing of the modified chemical feed piping in the flocc tanks delivering MgOH to the NRCY pumps.

**9. Other**

-  
The next progress meeting will be held at the Hooksett Wastewater Treatment Facility on:

**Monday, July 2nd, 2018 at 1:00 p.m.**

Copies to:

**Hooksett Sewer Commission  
Hooksett, NH  
Phase III Capital Improvements**

**Construction Progress Meeting No. 01 Minutes**

**1:00 p.m. – Monday, June 4th, 2018  
Hooksett Wastewater Treatment Facility**

Attendees

**Dan Dudley  
Donald Winterton  
Sid Baines  
Frank Kotowski  
Bruce Kudrick  
John Clark  
Kim Langlois  
David Mercier, PE  
Margaret Blank, PE  
Mark McPheters  
Tim Cunningham**

**Construction Review  
Councilman  
Chairman  
Commissioner  
Superintendent  
WWTF Operator  
Clerk  
Senior Project Manager  
Senior Project Engineer  
Project Manager  
Superintendent**

Representing

**NHDES  
Hooksett Town Council  
Hooksett Sewer Commission  
Hooksett Sewer Commission  
Hooksett Sewer Commission  
Hooksett Sewer Commission  
Hooksett Sewer Commission  
Underwood Engineers  
Underwood Engineers  
T. Buck Construction, Inc.  
T. Buck Construction, Inc.**

**PROJECT SUMMARY**

<b>Contract Start Date:</b>	<b>May 7, 2018</b>
<b>Substantial Completion:</b>	<b>September 2, 2018 / 120 days.</b>
<b>Final Completion:</b>	<b>October 2, 2018 / 150 days.</b>
<b>Contract Time Elapsed:</b>	<b>28 days / 23% to substantial completion (as of meeting date).</b>
<b>Contract Amount:</b>	<b>\$622,683.00 (includes C.O. #2)</b>
<b>Amount Billed to Date:</b>	<b>\$22,320 / 3.6% (Pay Req # 1)</b>

**NEW BUSINESS**

**1. Contact List**

Contact List was reviewed. No comments are changes.

**2. Submittals**

Current submittal log attached.

- Reviews outstanding.
  - No. 33 Coating and patching containment area. **Approved subsequent to meeting.**
- Revise and resubmit.
  - No. 2 Regenerative Blower – piping issues addressed in subsequent submittal No. 30 SS pipe
  - No. 32 MCC

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### 3. Request for Information

Current RFI/ESI log attached. None outstanding.

### 4. Work Completed to Date

Completed since commencement of work:

- Demolition completed in chemical room.
- Containment area wall extension - pour completed.
- MgOH storage tank walls – pour completed.
- Blower housekeeping pad – pour completed.
- Media removal IFAS Tank No. 2

### 5. Schedule of Work for the Next Month

Anticipated work sequence over the next four weeks according to T. Buck Schedule dated 6/4/2018:

- **T. Buck to provide updated schedule (required for each progress meeting)**
- 6/7/2018-6/19/2018 – Remove media, dry and bag. Completed.
- 6/11/2018-6/22/2018 – Effluent splitter box work. **Excavation complete.**
- 6/18/2018-6/22/2018 – Apply coatings in chemical room.
- **Train 1 pipe cores and effluent piping modifications.**
- **Install chemical feed pumps and mixers.**
- **Blower and piping to arrive in July.**

### 6. Change Order Items

Contract documentation items include:

- CO #2 – approved by Hookset Sewer Commission and DES.
- CO #3 – **Request for additional media removal costs. Under review.**

### 7. Payment Request Status

- **Payment request No.2, including payroll and MBE/DBE certifications, was supplied at time of the meeting. Under review for the following.**
  - Payroll requirements.
  - Media removal quantities.

### 8. Construction Issues

- Media removal. **Additional bags on order at the time of the meeting. Discussion of additional media removal costs, including payment for additional bags, labor and equipment rental.**

- Contractor was reminded to keep a deminimis list for compliance with American Iron and Steel requirements.

**9. Other**

- DES project sign to arrive the week following the meeting.

**The next progress meeting will be held at the Hooksett Wastewater Treatment Facility on:**

**Monday, June 18th, 2018 at 10:00 a.m.**

Copies to:

# CONTRACTOR SUBMITTAL LOG

Job No. 2160.22

T. Buck Construction  
 302B Auburn Road  
 Turner, ME  
 T (207) 783-6223  
 F (207) 783-3970

Town of Hooksett, NH  
 35 Main Street  
 Hooksett, NH 03106  
 T (603) 485-8471  
 F (603) 485-4423

Underwood Engineers, Inc.  
 99 N. State Street  
 Concord, NH 03301  
 T (603) 230-9898  
 F (603) 230-9899

Shop Dwg. No.	Contractor Dwg. No.	Date Rec'd	Description	Spec./Plan Reference	Status	Date Ret'd	Remarks	PDF COPY DISTRIBUTED	HARDCOPY SUBMITTED	HARDCOPY DISTRIBUTED
<b>TECHNICAL SUBMITTALS</b>										
1	1370.1	12/21/2017	Schedule of Values	01370	NET	1/12/2018	Reviewed by MEB 1/9.	x		
2	11376.1	12/27/2017	Regenerative Blower	11376	RAR	1/30/2018	Suction, discharge piping and accessories increased from 4-inch to 6-inch diameter.	x		
3	01310.1	12/27/2017	Construction Schedule	01310	NET	1/12/2018	Reviewed by MEB 1/11.	x		
4	05500.1	1/11/2018	Miscellaneous Metals	05500	FAC	1/18/2018	AIS cert. needed; revise to capture RAR.	x		
4a	00500.1	1/11/2018	Miscellaneous Metals	05500	FAC/RAR	2/1/2018	Reissued to acknowledge AIS cert. and capture RAR.	x		
4b	4b	4/3/2018	Miscellaneous Metals	05500	NET/FAC/ NET	4/6/2018	Dwg. No. 1, Diffuser Plates and Weir Plates - FAC	x		
5	03300.1	1/11/2018	Reinforcing Steel	03300	FAC	1/18/2018	AIS cert. needed.	x		
5a	03300.1	1/11/2018	Reinforcing Steel	03300	FAC	2/1/2018	Reissued to acknowledge AIS cert.	x		
6	13300.1	1/11/2018	SCADA Upgrade	13300	FAC/NET	3/2/2018	Level transmitter, Pressure transmitter - FAC; IO, wiring diagram - NET	x		
7	5500.2	1/15/2018	Mixer Stand	05500	FAC	1/18/2018	AIS cert. needed.	x		
7a	5500.2	1/15/2018	Mixer Stand	05500	FAC	2/1/2018	Reissued to acknowledge AIS cert.	x		
8	8	2/4/2018	Air-Release-Valve	15100			Superseded by submittal 8A pursuant to concerns regarding ability of specified product to meet AIS requirements.			
8a	8a	2/13/2018	Air Release Valve	15100	FAC	2/23/2018	3-inch nylon ARI valve approved.	x		
9	9	2/1/2018	Flanged Bolt Gasket Kits	15069	FAC	2/6/2018	Ring type gasket rather than full face.	x		
10	10	2/1/2018	Flanged Ductile Iron Pipe	15069	FAC	2/6/2018	No 16" pipe required.	x		
11	11	2/1/2018	Flanged Pipe Fittings	15069	FAC	2/6/2018	No 16" required, supply spool pieces.	x		
12	12	2/1/2018	Pipe Seals	15092	NET	2/6/2018	No comments.	x		
13	13	2/1/2018	Plug Valve	15100	NET	2/6/2018	No comments.	x		
14	14	2/2/2018	Chemical Feed Pumps	11318A	NET	2/23/2018	Confirm inverter duty motor works with VFD	x		
15	15	2/2/2018	Chemical Mixer	11318A	FAC	3/2/2018	Feasibility of length and clearance.	x		
16	16	2/5/2018	Electrical Identification	16195	NET	2/22/2018	Reviewed by UE/SMR 2/14/2018.	x		
17	17	2/5/2018	EMT & Accessories	16110	REJ	2/22/2018	No EMT allowed. Reviewed by UE/SMR 2/14/2018.	x		
18	18	2/5/2018	PVC Conduit	16110	FAC	2/22/2018	Reviewed by UE/SMR 2/14/2018.	x		
19	19	2/5/2018	RGS Conduit	16110	NET	2/22/2018	Reviewed by UE/SMR 2/14/2018.	x		

**Status:** NET = No Exceptions Taken    FAC = Furnish as Corrected    R&R = Revise and Resubmit    REJ = Rejected - See Remarks  
 Unless otherwise noted, following processing 1 submittal dispersed to Contractor, 1 to RPR, 1 to Owner, and 1 to file



# CONTRACTOR SUBMITTAL LOG

Job No. 2160.22

T. Buck Construction  
302B Auburn Road  
Turner, ME  
T (207) 783-6223  
F (207) 783-3970

Town of Hooksett, NH  
35 Main Street  
Hooksett, NH 03106  
T (603) 485-8471  
F (603) 485-4423

Underwood Engineers, Inc.  
99 N. State Street  
Concord, NH 03301  
T (603) 230-9898  
F (603) 230-9899

Shop Dwg. No.	Contractor Dwg. No.	Date Rec'd	Description	Spec./Plan Reference	Status	Date Ref'd	Remarks	PDF COPY DISTRIBUTED	HARB COPY SUBMITTED	HARB COPY DISTRIBUTED
20	20	2/5/2018	Liquid Tight Conduit	16110	NET	2/22/2018	Reviewed by UE/SMR 2/14/2018.	x		
21	21	2/5/2018	Wire and cable	16120	NET	2/22/2018	Reviewed by UE/SMR 2/14/2018.	x		
22	22	2/5/2018	Supporting devices	16190	FAC	2/22/2018	Hot dip galvanized in outdoor and corrosive area as per specifications. Reviewed by UE/SMR 2/14/2018.	x		
23	23	2/5/2018	Grounding	16450	NET	2/22/2018	Reviewed by UE/SMR 2/14/2018.	x		
24	24	2/5/2018	VFDs	16481	RAR	2/22/2018	Additional information required. Reviewed by UE/SMR 2/14/2018.	x		
24a	24a	4/5/2018	VFD resubmittal	16481	RAR	4/24/2018	See comments on return submittal	x		
24b	24b	5/4/2018	VFD resubmittal	16481	FAC	5/9/2018	Provisions for padlocking, will physically fit	x		
25	25	2/5/2018	Storage sack for IFAS media	Add. 1	NET	2/23/2018	No comment.	x		
26	26	2/16/2018	Butterfly Valves	15100	FAC	2/23/2018	4-inch valves required as well.	x		
27	27	2/21/2018	3-inch SS Ball Valve	15100/ESI 9	NET	2/23/2018	No comment.	x		
27a	31?	3/22/2018	3-inch SS Ball Valve	15100/ESI 9	NET	4/3/2018	No comment.	x		
28	28	2/21/2018	SS Ball Valves <= 2-inch	15100	NET	2/23/2018	No comment.	x		
29	29	3/1/2018	Slide gates	ESI 6	FAC	3/19/2018	Inverts for the new 20-inch pipe will need to be 3 inches (0.25 feet) higher than shown on Drawings G3, G4 and P9.	x		
30	30	3/7/2018	SS pipe	15066	FAC	3/11/2018	1.5-inch piping, Douglas Brothers cleaning procedure, full AIS statement	x		
31	31	3/7/2018	3-inch Check Valve	15066	NET	3/11/2018	No comment.	x		
32	32	3/28/2018	MCC	16481	NET/RAR	4/24/2018	NET - disconnect switch; RAR - magnetic starter for mixer	x		
33	32	3/26/2018	Redimix	03300	FAC	4/5/2018	All concrete requires fiber reinforcing @ 1.5 lbs/CY. Use 0.75 (19 mm) fiber.	x		
34	34	5/21/2018	Media removal process	Add. 1	RAR	5/21/2018	Address questions and concerns	x		
34a	34a	5/22/2018	Media removal process	Add. 1	FAC	5/25/2018	Coordinate storage area with Owner	x		
35	35	5/23/2018	Concrete patching	03300	FAC	5/29/2018	Surface prep according to manuf instr; wet cure	x		
36	36	5/24/2018	Project Sign	01580	FAC	5/25/2018	Revise loan number	x		
37	33	4/13/2018	Cont. Area Coating	09912	NET	6/8/2018	Containment area coating - proposal 2	x		

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Unless otherwise noted, following processing 1 submittal dispersed to Contractor, 1 to RPR, 1 to Owner, and 1 to file

# CONTRACTOR RFI LOG

Job No. 2160.22

T. Buck Construction  
302B Auburn Road  
Turner, ME  
T (207) 783-6223  
F (207) 783-3970

Town of Hooksett, NH  
Phase 3 Capital Improvements

Underwood Engineers, Inc.  
99 N. State Street  
Concord, NH 03301  
T (603) 230-9898

Contractor RFI #	Underwood ESI #	Date Received	Description	Spec./Plan Reference	UEI Contact	Date Returned	Remarks
1	1	1/11/2018	Air Piping Valves	P7	MEB	1/16/2018	Clarification of valve type/size
2	2	1/11/2018	PVC Conduit	E2	MEB	1/16/2018	Reviewed by SMR
3	3	1/11/2018	Chemical Feed Pump VFD's	E3	MEB	1/30/2018	Relocate to containment area wall
4	4	1/11/2018	Knife Valve Location	P9	MEB	1/30/2018	20" gate slides in clarifier splitter box
N/A	5	N/A	Increased diameter – air pipe	P1, P7	MEB	1/30/2018	Increase pipe diameter as noted
N/A	6	1/30/2018	Specification for slide gates	05860	MEB	2/1/2018	Provide spec for slide gates in response to RFI 4 follow-up questions.
N/A	7	N/A	MgOH tank coating	09900	MEB	2/9/2018	Provide spec for chemical storage tank coating.
5	8	2/6/2018	Check valves – air piping	15100	MEB	2/9/2018	Provide spec for check valves on air piping (contractor RFI #5)
6	9	2/6/2018	Ball valve -air piping	15100	MEB	2/9/2018	Provide spec for ball valves on air piping (contractor RFI #6)
7	10	2/6/2018	Clarify valve type – air piping	P7	MEB	2/9/2018	Respond to contractor RFI #7
8	11	2/6/2018	Size of valve (V4) – air piping	P7	MEB	2/9/2018	Respond to contractor RFI #8
9	12	2/8/2018	Silencer and BFV	P7	MEB	3/2/2018	Respond to contractor RFI #9
10	12	2/9/2018	Pressure switch/gauge	P7	MEB	3/2/2018	Respond to contractor RFI #10
11	14	2/13/2018	SS Check Valve	P7	MEB	2/23/2018	Respond to contractor RFI #11
12	12	2/22/2018	Silencer and valve	P7	MEB	3/2/2018	Respond to contractor RFI #12
13	12	2/23/2018	Blower piping	P7	MEB	3/2/2018	Respond to contractor RFI #13
14	13	2/23/2018	Blower piping – valve locations	P7	MEB	3/2/2018	Respond to contractor RFI #14
15	15	3/14/2018	Temporary Divider Plate	D3	MEB	4/5/2018	Respond to contractor RFI #15
16	16	5/3/2018	Demolition of rapid mix tank	D1	MEB	5/18/2018	Respond to contractor RFI #16
17	17	5/3/2018	DI pipe – splitter box	P9	MEB	5/18/2018	Respond to contractor RFI #17
18	18	5/3/2018	Blower piping - louver	P7	MEB	5/18/2018	Respond to contractor RFI #18
19(15)	19	5/3/2018	Splitter box dividing wall	D3/P9	MEB	5/18/2018	Respond to contractor RFI #19
19	20	6/13/2018	VFD indicator lights - clarification	Submittal #32	MEB	6/14/2018	Submittal #32 question/clarification
19	21	6/14/2018	Splitter box grating	D3/P9	MEB		Under review



**T. Buck Construction, Inc.**

**PROPOSAL**

**4**

249 Merrow Rd Auburn, ME 04210  
207-783-6223 \* FAX 207-783-3970

Proposal Submitted to: Underwood Engineers Inc.	Phone: 603-230-9898 email: mblank@underwoodengineers.com	Date: 3/7/2018
Street: 99 North State Street	Job Name: Phase 3 Capitol Improvements	
City, State & Zip Code: Concord, NH 03301	Job Location: Hookset, NH	
Engineer: Margaret E. Blank, P.E.		

We hereby submit specifications and estimate for:

Additional bags, equipment and labor to handle an additional 121 bags (242 cyds) of media.

<b>labor wk ending 5/26/18</b>				
Randle burns	41.5 hrs	Laborers	\$ 49.50	\$ 2,054.25
Eric Drake	29.5 hrs	Laborers	\$ 49.50	\$ 1,460.25
Thomas Woods	26.5 hrs	Laborers	\$ 49.50	\$ 1,311.75
Brendan McNally	22 hrs	Laborers	\$ 49.50	\$ 1,089.00
Nicholas Ferris	28.5 hrs	Laborers	\$ 49.50	\$ 1,410.75
Tim Cunningham	33.5 hrs	Job supervisor	\$ 95.00 hr	\$ 3,182.50
overnights	30 ea		\$ 100.00 day	\$ 3,000.00
<b>labor wk ending 6/2/18</b>				
Randle burns	15.5 hrs	Laborers	\$ 49.50	\$ 767.25
Eric Drake	15.5 hrs	Laborers	\$ 49.50	\$ 767.25
Thomas Woods	15.5 hrs	Laborers	\$ 49.50	\$ 767.25
Brendan McNally	15.5 hrs	Laborers	\$ 49.50	\$ 767.25
Nicholas Ferris	15.5 hrs	Laborers	\$ 49.50	\$ 767.25
Tim Cunningham	15.5 hrs	Job supervisor	\$ 95.00 hr	\$ 1,472.50
overnights	12 ea		\$ 100.00 day	\$ 1,200.00
				\$ 20,017.25
bags				\$ 300.00
labor per bag				\$ 66.72

additional labor per bag	121 bags		\$ 66.72	\$ 8,073.62
Bags to purchase	121 bags		\$ 71.70 ea	\$ 8,675.70
Lul	1 wk		\$ 1,800.00 wk	\$ 1,800.00
skid steer	1 wk		\$ 1,800.00 wk	\$ 1,800.00
Pump rental	1 wk		\$ 1,850.00 wk	\$ 1,850.00
15% Overhead and profit				\$ 3,329.90
<b>Total material labor tools and equipment to fill 121 bags</b>				<b>\$ 25,529.22</b>

We Propose hereby to furnish material and labor complete in accordance with above specifications, for the sum of:

\$ 25,529.22

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the

Authorized  
Signature



Mark McPheters

estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Note: This proposal may be withdrawn by us if not accepted within \_\_\_\_\_ days.

**Acceptance of Proposal-** The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

**Signature**

**Date of acceptance**

**Signature**