

Hooksett Sewer Commission
June 4, 2018
Minutes

INITIAL	COMMENTS
B	
FRC	

The meeting was called to order at 12:00pm. Present were Chairman Sidney Baines, Commissioner Frank Kotowski, Superintendent Bruce Kudrick, John Clark, Town Councilman Don Winterton, Linda O'Keefe and Kim Langlois. Commissioner Roger Bergeron was excused from this meeting.

Approve and Sign Manifests

Approve minutes of May 21, 2018 meeting: Commissioner Frank Kotowski made motion to accept the minutes as read, Chairman Sidney Baines seconded. The motion was carried unanimously.

Read Correspondence

Financial Report: None

Scheduled Appointments:

12:00- Darryl Verville (Granite Environmental) and Karl Karlsson (Accuworx)

12:15- Jeff Kevan from TF Moran regarding SNHU Dorms

1:00- Underwood Engineers and TBuck regarding phase 3 improvement progress at the plant
In attendance were Dave Mercier, Margaret Blank and Tim Cunningham

Granite Environmental: Darryl and Karl came in to discuss an issue they are having at 52 Merrimack Street in Hooksett. The basement of the residence previously flooded when the sump pump failed. They have tried multiple times to empty the basement of water however the water they pump out into the yard continues to come right back in because of drainage issues at the property. They are asking the sewer commission's permission to pump the water out of the basement and into the sewer. This would require a waiver on the sewer commission's regulations. They estimate the whole process should take 21 days from start to finish. Commissioner Frank Kotowski made motion to allow them to pump the water from the basement into the sewer from June 4th to June 29th only after getting favorable results back for a test of contaminants. Chairman Sidney Baines seconded, the motion was carried unanimously.

SNHU: Jeff came in to discuss the progress at SNHU with the new dormitory and engineering building. Jeff passed out 2 handouts, (see attachment 1) one explaining the impact they feel the new buildings will have on the sewer and a spreadsheet showing a list of the current dorms/buildings with a bed count for each one. The spreadsheet confirms an increase of 25 beds which affects the way in which the sewer commission bills the college for sewer. Linda is concerned with the discrepancies in the bed counts and would like some time to go over what we have on file vs. what SNHU has. Jeff told her to let him know where her concerns were and they could do a recount to confirm. Bruce brought up his concerns on not

having a current list of grease traps at the school and requested that they supply us with one as soon as possible.

The sewer commission is requesting funds for the current projects being done at SNHU \$10,000 for the CETA building and \$5,000 for Kingston Hall. Jeff said they will send the funds over after receiving a request from the sewer commission on our letterhead. Bruce also addressed concern with the current sewer manhole that is located on campus in the walkway near the hospitality building. The manhole seems to have a lot of sand and water running through it, he is not sure if there is a leak but it needs to be checked out, cleaned and fixed. He was assured that it is in the works and will be taken care of.

Underwood/TBuck: This meeting was a progress meeting for all involved with the Phase 3 improvements down at the sewer plant. Underwood handed out meeting notes regarding the improvements for all to follow (see attachment 2). One issue that has arose is that TBuck needed to order more bags to temporarily store the discs they are removing from two of the tanks down at the plant, this is at an additional cost to the sewer commission. TBuck also submitted a new cost proposal for the extra work they feel they have incurred while removing the discs (see attachment 3). Underwood needs time to go through the cost proposal before they can present it to the commission and come to an agreement. Underwood also handed out a time line of the improvements and when they are estimated to be completed (see attachment 4). Dave also presented the commission with information on the Chlorine Residual monitoring system. Bruce had requested information from Underwood regarding this possible ungraded for the plant. They discussed the pro and cons of the system briefly however the commissioners decided to hold off on this upgrade until all the information regarding extra costs with the phase three upgrades to the plant are situated (see attachment 5). The commission, Underwood and TBuck decided with the nature of the upgrades at the plant that they should all meet every two weeks at 10:00 am during the workshops before the scheduled commissioner meetings.

Superintendent's Report: FLOWS: Bruce handed out a copy of flows at the plant for the year thus far (see attachment 6). flows are down right now and Bruce believes this is due to lack of rain.

ENERGY AUDIT: The DES's energy audit is in and they will be coming in June 21st at 1:30-3pm to go over the report with the commission.

BRIDGE: Bruce received a letter from the engineering company that stated that all our punch list items of things to be completed at the bridge were done. Bruce did not feel that the shelves in the manholes that were covered in concrete and mortar were cleaned off as he would like.

Borings: the borings are done in regards to the continued progress of connecting 3A to sewer. The results of this will be presented to the commission on the 18th at 1:00. Chairman Sidney Baines would like for Bruce to also find out where we are at with the permit to go under the train tracks.

BROX: Bruce addressed a letter the Commission received regarding a public hearing that is scheduled for June 18th at 6:00pm (at the Hooksett Municipal Building) regarding Brox and a waiver for an amended site plan. The commission received notice because we are an abutter of the property. Bruce is trying to find out more information as to what this meeting is about so the commission can decided if they need to be involved.

Old Business: Plant employee Mike Desaulniers completed and passed his welding course. The Commission has agreed to reimburse him the cost of the course and books, totaling \$909.53. Frank Kotowski made motion to reimburse Mike for his welding course, Chairman Sidney Baines seconded. The motion was carried unanimously.

New Business: The next commissioners meeting is June 18, 2018. The commissioner's building needs gutters, in lieu of all the rotting wood that was found when fixing the windows. The commissioner's got two estimates for gutters. One was from Dan Leblerc Home improvements in Hooksett. The lower end of the estimate was \$1238 and the higher end of the estimate was \$1575.00. The second estimate was from Gutter Done from Hopkinton NH in the amount of \$900.00. Commissioner Frank Kotowski made motion to go with Gutter done, Chairman Sidney Baines seconded. The motion was carried unanimously. The commission decided to buy a new time clock down at the plant for the employees to punch in and out of work. The current time clock is old and there have been some time discrepancies, so to avoid any further problems they decided to replace it with an Icon CT-900 from staples in the amount of \$189.99.

Non-public session: None

Public Input: None

Adjournment: Frank Kotowski made motion to adjourn at 2:49pm, Chairman Sidney Baines seconded. The motion was carried unanimously.

Respectfully Submitted,


Frank Kotowski
Clerk



Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

May 23, 2018

Hooksett Sewer Commission
1 Egawes Drive
Hooksett, NH 03106

Re: Proposed College of Engineering, Technology & Aeronautics (CETA)
Southern New Hampshire University
North River Road, Hooksett, NH
Tax Map 38, Lot 1

To the Commission:

Southern New Hampshire University recently began construction on the approved CETA (engineering) building on the west campus. This academic building will provide classrooms, lab space, faculty offices and some student common areas.

As presented during the permitting phase of the project, the proposed CETA project will not generate any new sewer flow from the campus. The on-campus student population and staffing has not changed over the last three years and SNHU proposes to stay approximately this size in the future. While the Engineering program was new in the 2017-2018 school year, the Hospitality program has been reduced on campus. These reasons support the zero increase in sewer flow.

Typically, for colleges or boarding type schools, the sewage flows are based on campus wide student & staff populations due to the fact that on a daily basis it is unknown where people will shower or flush while on campus. Academic buildings do not generate new sewer flows on a college campus, they are a destination for people already on campus.

The Hooksett Sewer Commission signed the State Permit Application on January 8, 2018 and we received the State Connection Permit on February 6, 2018 based on the 0 GPD flow. The State permit was required not due to any increased flow on campus, but because as part of this project, it is being proposed to relocate sewer around the new building envelope.

We do not believe that any sewer impact fee is required, because the new academic building does not add new flow to campus.

If you have any questions, please contact me at 472-4488 or jkevan@tfmoran.com.

Sincerely,
TFMoran Inc.

A handwritten signature in black ink that reads 'Jeffrey Kevan'.

Jeffrey Kevan
Project Supervisor

Re: SNHU – CETA Sewer Flow

23 May 2018

Attachment 1

Approved College of Engineering, Technology and Aeronautics

- Approximately 320 classroom/lab seats
- Approximately 150 hub seats
- Approximately 15 Staff Offices

Based on 10 GPD per person

A rough estimate of sewer flow for the building would be about 4,850 GPD from the facility.

5/23/2018 SNHU Residential Beds on Campus

Building Directory #	Dorm Name	Type	Town/City	Units	Singles	Doubles	Three	Quads	6-person	Beds
2	New Castle Hall	Standard	Manchester	107	14	93				200
3	Greely Hall	Apartment	Manchester	12	1			11		67
4	Whittier Hall	Apartment	Manchester	22		11		11		88
5	Winnepesaukee Hall	Standard	Manchester	34	10	24				58
6	Merrimack Hall	Standard	Manchester	39	12	27				66
7	Ossipee Hall	Standard	Manchester	38	11	27				65
8	Kearsarge Hall	Apartment	Manchester	23		11		12		94
9	Spaulding Hall	Apartment	Manchester	19		19				38
10	Winnisquam Hall	Standard	Manchester	56	15	41				97
11	Chocorua Hall	Standard	Both	38	10	28				66
24	Washington Hall	Standard	Hooksett	131	20	111				242
25	Sunapee Hall	Townhouse	Hooksett	8	1	15				31
26	Cranmore Hall	Townhouse	Hooksett	7	1	13				27
27	Attitash Hall	Townhouse	Hooksett	8	1	15				31
28	Hillsboro Hall	Townhouse	Hooksett	7	1	13				27
29	Rockingham Hall	Townhouse	Hooksett	7	1	11				23
34	Lincoln Hall	Apartment	Hooksett	23	1	45				91
35	Conway Hall	Apartment	Hooksett	29	1	57				115
36	Hampton Hall	Standard	Hooksett	87	44	43				130
37	Windsor Hall	Standard	Hooksett	87	44	43				130
38	Tuckerman Hall	Standard	Hooksett	153	32	82	10	27		334
										2020 Total Beds on campus (prior to Dorm I)
39	Monadnock Hall	Apartment	Hooksett	76	62	120				302
	Kingston Hall	Standard	Both	260	90	146				382

Total being removed for Dorm I: -344
 Total being removed for Dorm II: -257
 Total being removed for CETA: -58
 total campus beds removed -659

2045 Total Beds on campus (September 2018)

25 New Beds on Campus

Daily Sewer Flows per NHDES (Metcalf & Eddy publication)
 School, Boarding: 85 GPD/Student (Average)

25 x 85 GPD = 2,125 GPD New Flow on Campus

Hooksett Sewer Commission
Hooksett, NH
Phase III Capital Improvements

Construction Progress Meeting No. 01 Agenda

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

Attendees

Bruce Kudrick
David Mercier, PE
Margaret Blank, PE
Tim Cunningham

Superintendent
Senior Project Manager
Senior Project Engineer
Superintendent

Representing

Hooksett Sewer Commission
Underwood Engineers
Underwood Engineers
T. Buck Construction, Inc.

PROJECT SUMMARY

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

NEW BUSINESS

1. Contact List

Contact List (attached).

2. Submittals

Current submittal log attached.

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

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 4/8/2018:

- **T. Buck to provide updated schedule (required for each progress meeting)**
- 5/22/2018 Core wall for blower discharge
- 5/23/2018-6/6/2018 – Blower pipe installation
- 6/7/2018-6/20/2018 – Install VFD and wire blower
- 6/7/2018-6/19/2018 – Remove media, dry and bag
- 6/11/2018-6/22/2018 – Effluent splitter box work
- 6/18/2018-6/22/2018 – Apply coatings in chemical room

6. Change Order Items

Contract documentation items include:

- CO #2 – reviewed by DES, signed by Underwood and T. Buck.

7. Payment Request Status

- Payment request No.2 under review.

8. Construction Issues

- Media removal.

9. Other

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

Monday, June 18th, 2018 at 1:00 p.m.

Copies to:

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.


labor wk ending 5/26/18				
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
labor wk ending 6/2/18				
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
bags			150	\$ 300.00
labor per bag				\$ 66.72

6908.75
÷ 100
= 69.09
x 2 = 138.18
138.18 + 66.72 = 204.90

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
Total material labor tools and equipment to fill 121 bags			\$ 25,529.22

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.

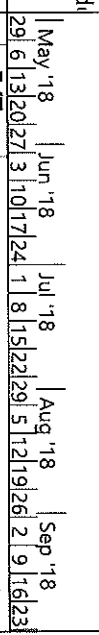
Signature

Date of acceptance

Signature

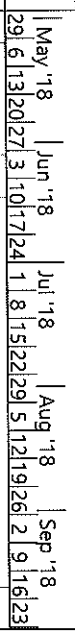
Hookset Phase 3

ID	Task Mode	Task Name	Duration	Start	Finish	Pred
1	➤	Notice to proceed	0 days	Mon 5/7/18	Mon 5/7/18	
2	➤	substantial completion final	0 days	Tue 9/4/18	Tue 9/4/18	
3	➤	Chemical room	53 days	Mon 5/7/18	Fri 7/20/18	
4	➤	demo existing chemical feed	2 days	Mon 5/7/18	Tue 5/8/18	
5	➤	concrete chemical tank and raise containment wall	7 days	Wed 5/9/18	Thu 5/17/18	
6	➤	form and pour	1 wk	Wed 5/9/18	Tue 5/15/18	5
7	➤	cure time	1 day	Wed 5/16/18	Wed 5/16/18	7
8	➤	strip and rub	1 day	Thu 5/17/18	Thu 5/17/18	8
9	➤	cure time prior to application of coatings	4 wks	Fri 5/18/18	Fri 6/15/18	9
10	➤	apply coatings	2 days	Mon 6/18/18	Tue 6/19/18	10
11	➤	cure time	3 days	Wed 6/20/18	Fri 6/22/18	11
12	➤	install mixer supports and stair	1 day	Mon 6/25/18	Mon 6/25/18	12
13	➤	install mixer	1 day	Tue 6/26/18	Tue 6/26/18	13
14	➤	install grating over tank	1 day	Wed 6/27/18	Wed 6/27/18	14
15	➤	install chemical pumps and pipe	5 days	Thu 6/28/18	Thu 7/5/18	15
16	➤	wire chemical pumps and mixer	10 days	Fri 7/6/18	Thu 7/19/18	16
17	➤	start-up mixer and pumps	1 day	Fri 7/20/18	Fri 7/20/18	17
18	➤	blower room work	54 days	Fri 5/18/18	Fri 8/3/18	
19	➤	install blower conc pad	2 days	Fri 5/18/18	Mon 5/21/18	18
20	➤	core wall for blower discharge	1 day	Tue 5/22/18	Tue 5/22/18	20
21	➤	pipe from blower to outside blower room	10 days	Mon 7/9/18	Fri 7/20/18	
22	➤	install vfd and wire blower	10 days	Mon 7/23/18	Fri 8/3/18	22
23	➤	IFAS work	57 days	Mon 5/21/18	Thu 8/9/18	
24	➤	remove media from tanks 1 and 2	15 days	Mon 5/21/18	Mon 6/11/18	
25	➤	remove media and bag media	3 wks	Mon 5/21/18	Mon 6/11/18	
26	➤					



Hookset Phase 3

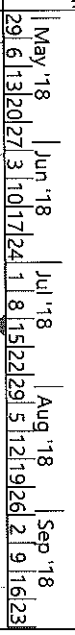
ID	Task Mode	Task Name	Duration	Start	Finish	Pred.
27	🚧	effluent and splitter box work train 1 9 days		Mon 6/11/18	Fri 6/22/18	
28	🚧	close gate to secondary clarifier 1 take off line	0 days	Mon 6/11/18	Mon 6/11/18	26
29	🚧	excavate expose piping between flow control structure and effluent splitter box	1 day	Tue 6/12/18	Tue 6/12/18	28
30	🚧	core holes through flow control and splitter box	5 days	Wed 6/13/18	Tue 6/19/18	29
31	🚧	install pipe and linkseals	2 days	Wed 6/20/18	Thu 6/21/18	30
32	🚧	install slide gate	1 day	Fri 6/22/18	Fri 6/22/18	31
33	🚧	Train 1 flock tank 1	2 days	Mon 6/25/18	Tue 6/26/18	
34	🚧	extend polymer dosing line	2 days	Mon 6/25/18	Tue 6/26/18	32
35	🚧	transfer media and mixed liquor from train 2 (tanks 3 and 4) to train 1 (tanks 1 and 2)	5 days	Wed 6/27/18	Tue 7/3/18	
36	🚧	transfer media	2 days	Wed 6/27/18	Thu 6/28/18	34
37	🚧	open gate to clarifier 1	0 days	Mon 7/2/18	Mon 7/2/18	36
38	🚧	close gate to clarifier 2 and take off line	0 days	Mon 7/2/18	Mon 7/2/18	37
39	🚧	clean train 2	2 days	Mon 7/2/18	Tue 7/3/18	38
40	🚧	effluent and splitter box work train 2 10 days		Mon 7/2/18	Mon 7/16/18	
41	🚧	core holes through flow control and splitter box	5 days	Mon 7/2/18	Mon 7/9/18	38
42	🚧	install pipe and linkseals	2 days	Tue 7/10/18	Wed 7/11/18	41
43	🚧	install slide gate	1 day	Thu 7/12/18	Thu 7/12/18	42
44	🚧	install weir plates	1 day	Fri 7/13/18	Fri 7/13/18	43
45	🚧	backfill	1 day	Mon 7/16/18	Mon 7/16/18	44
46	🚧	IFAS train 2 tank 3 and 4 work	18 days	Tue 7/10/18	Fri 8/3/18	
47	🚧	core holes for new spargers	4 days	Tue 7/10/18	Fri 7/13/18	41



Attachment 4

Hookset Phase 3

ID	Task Mode	Task Name	Duration	Start	Finish	Pred
48	✈	install spools and spargers and supports	4 days	Mon 7/16/18	Thu 7/19/18	47
49	✈	install air to spargers	4 days	Fri 7/20/18	Wed 7/25/18	48
50	✈	extend PAC dosing line to flock chamber	2 days	Thu 7/26/18	Fri 7/27/18	49
51	✈	install new air header at top of tan 2	2 days	Mon 7/30/18	Tue 7/31/18	50
52	✈	transfer a portion of mixed liquor train 1 tanks 1 and 2 to train 2 tank 3 and 4 and add clean bagged media as directed.	2 days	Wed 8/1/18	Thu 8/2/18	51
53	✈	place train 2 and clarifier 2 back online.	0 days	Fri 8/3/18	Fri 8/3/18	52
54	✈	start-up and testing VFD and blowers	1 wk	Fri 8/3/18	Thu 8/9/18	53



ENGINEERING SERVICES REQUEST
AUTHORIZATION TO PROCEED

<p>To: Underwood Engineers, Inc. (Engineer) 25 Vaughan Mall Portsmouth, New Hampshire 03801</p>	<p>ESR No.: No. 11 File No.: N2646 Date: June 4, 2018 Description: Chlorine Residual Monitoring</p>
<p>From: Hooksett Sewer Commission 1 Egawes Drive Hooksett, NH 03106</p>	
<p>Owner's Contact(s) (this project):</p>	<p>Bruce Kudrick, Superintendent</p>
<p>Engineer's Contact(s) (this project):</p>	<p>David J. Mercier, P.E.</p>

Under the General Services Agreement for Professional Services as Consulting **Engineer** for the **Owner** (Contract dated March 2, 2015) **Engineer** is authorized to proceed with the following work:

Description:

Provide the Commission with abbreviated final design documents for the addition of two new chlorine residual analyzers to be priced and constructed as a change order under the Phase 3 Capital Improvements Project. One new analyzer to be installed at the point of chlorine addition and a second analyzer to be installed at the tail end of the chlorine contact pipes. The analyzers shall provide real-time data to the SCADA system for reporting purposes and for pacing both the chlorine and bisulfite chemical feed pumps. The goals of this upgrade are to provide sufficient chlorine to obtain the required bacterial kill on a 24-hour basis and also to provide bisulfite when necessary so that the chlorine residual leaving the plant is consistently under the effluent limit of <1 mg/L.

Scope of Work:

Engineer will provide the following engineering services:

1. Perform a site visit to review the existing chlorine and bisulfite feed systems and the existing chlorine dosing chambers and contact pipe(s) arrangement
2. Review the existing programming in the local PLC and at SCADA for the existing chlorine and bisulfite feed systems
3. Review existing data to be provided by Hooksett for chlorine dosing, chlorine residual and final effluent chlorine levels
4. Review existing record drawings of the plant facilities
5. Develop design sketches locating proposed equipment, piping, conduit, etc. for the upgrade
6. Provide design sketches to the Commission and staff in draft form for review and comment
7. Meet with Commission and staff to discuss comments
8. Modify the design sketches based on Commission and staff comments and issue documents to the Contractor in ESI format requesting pricing
9. Review pricing and discuss pricing with Commission and staff
10. If desired, prepare a formal change order to add the work to the Phase 3 Capital Improvements Project

Schedule:

30 days from date of approval.

Budget Costs:

Budget estimate of **\$8,000** to be billed at standard hourly rates for personnel assigned plus reimbursable expenses. Suggested budgets, as used herein, are best estimates by the **Engineer**. The budgets are based on available information and prior to a detailed research on the Project. Budgets are not intended to be fixed prices but are reasonable estimates of average costs to complete projects of similar size. Budget will not be exceeded without written authorization.

Hooksett Sewer Commission Date
Sidney Baines, Chairman

W. Steven Clifton, P.E., Vice President Date
Underwood Engineers, Inc.

Attachment 6

MONTH	FLOWS			MGD	2018
	PLANT	MARTIN'S FERRY	MERRIMACK ST	GRAVITY	
JAN	0.714	0.296	0.118	0.300	
FEB	0.811	0.346	0.134	0.331	
MAR	0.805	0.351	0.138	0.316	
APRIL	0.866	0.378	0.143	0.345	
MAY	0.695	0.272	0.123	0.300	
JUNE				0.000	
JULY				0.000	
AUG				0.000	
SEPT				0.000	
OCT				0.000	
NOV				0.000	
DEC				0.000	
AVG	0.778	0.329	0.131	0.318	
May/2017	0.845	0.353	0.151	0.297	
May/2016	0.611	0.258	0.112	0.309	
May/2015	0.600	0.245	0.104	0.345	
May/2014	0.696	0.298	0.177	0.242	

