

**Town of Millbury  
Minutes of  
Sewer Commission Meeting  
December 11, 2018**

RECEIVED  
TOWN CLERK  
2019 JAN -9 AM 8:29  
MILLBURY, MASS.

**CALL TO ORDER**

Gary Nelson called the meeting to order at 5:00 p.m.

Present: Gary Nelson, Lisa Allain, Happy Erickson, Frank Stachura - Sewer Plant Operator, and Clerk Christine Billington

**ITEM TWO – INVOICES**

Miscellaneous invoices reviewed, approved and signed by Sewer Commission.

The two invoices from the Finance Director for the Town of Sutton from November 27, 2018 were rescinded by the board and the Board voted on the new invoices April 1, 2018 – June 30, 2018 \$56,746.16 and July 1, 2018 – September 30, 2018 \$51,883.79. All were in favor to sign the new invoices.

**ITEM THREE – MINUTES**

Approved the Minutes from August 1, 2018 Happy made the motion to approve and Lisa seconded the motion all were in favor.

Approved the Minutes from November 27, 2018 Lisa made the motion to approve and Happy seconded the motion all were in favor.

**ITEM FOUR – PUBLIC ATTENDEES:**

David Snyder Supervisor for Gallo Builders was scheduled to come in but Mr. Steven Gallo and his attorney came in instead of Mr. Snyder. Chairman Nelson thanked Mr. Gallo for coming in to talk to the board. Chairman Nelson spoke about the letter that was given to Laurie Connors about the concerns on the release of bond money.

Gary spoke about the age of the system that was up at Autumn Gate and wanted to know if any testing was completed. Mr. Gallo stated that in 2013 everything was 100% good. Mr. Rob McNeil was DPW Director at that time and Mr. Gallo was dealing with Mr. McNeil and as far as he was concerned that they were all set up there. Mr. Gallo stated that he would be happy to have anyone from the Sewer Department to come up and take a look at the project. Gary asked Frank Stachura if he would make an appointment with Mr. Gallo to go make sure everything is up to code.

**ITEM FIVE - OPERATIONS:**

Board reviewed a letter from R.H. White on the estimate for the four pump stations. Gary asked Frank about this and what needs to be completed right away. Frank said that the main plant need to have the valves replaced. The Board voted to approve the work for the main plant for work not to exceed \$25,000.00 all were in favor.

**ITEM SIX – ABATEMENT REQUESTS:**

Nothing at this time

**ITEM SEVEN – BETTERMENTS:**

Nothing at this time

**ITEM EIGHT – SEWER EXTENSIONS/CONNECTIONS:**

Nothing at this time.

**ITEM NINE – FUTURE MEETING DATE**

The upcoming meetings are scheduled for January 8, 2019 and January 22, 2019. Meetings will be held the 2<sup>nd</sup> and 4<sup>th</sup> Tuesday of every month unless otherwise posted and/or cancelled.

**ITEM TEN – ADDITIONAL TOPICS**

Nothing at this time

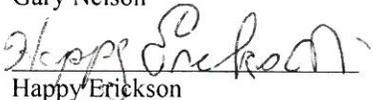
**ITEM ELEVEN – ADJOURNMENT**

At 5:35 p.m. Lisa Allain made the motion to adjourn the meeting and Happy Erickson seconded all in favor.

Respectfully submitted,  
Christine Billington  
Clerk-Sewer Department



Gary Nelson



Happy Erickson

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Lisa Allain

**SEWER INVOICE FOR THE TOWN OF SUTTON**

**Force Main from Millbury to the Upper Blackstone Water Pollution Abatement Facility (UBWPA)**

**PERIOD April 1, 2018 through June 30, 2018**

**FLOWS for the PERIOD:**

Sutton Flow to Millbury	17.651
Millbury flow	119.757
Sutton + Millbury flow to UBWPA	<u>137.408</u>
Sutton % of Flow	<u>12.85%</u>

**BUDGET INFORMATION**

			<u>SPENT</u>	<u>SUTTON ELIGIBLE</u>
Salaries	\$ 265,896.00	\$	71,291.94	\$ 70,357.44
Supplies & Materials	\$ 45,000.00	\$	16,784.00	\$ 8,879.03
Purchased Services	\$ 292,189.00	\$	138,833.00	\$ 54,527.70
Indirect Costs	\$ 345,074.00	\$	86,268.50	\$ 70,019.00
UBWPAD Assessment	\$ 951,878.00	\$	237,969.50	\$ 237,969.50
<b>TOTALS</b>	<b>\$ 1,900,037.00</b>	<b>\$</b>	<b>551,146.94</b>	<b>\$ 441,752.67</b>
<u>Sutton Share of Millbury Budget:</u>	\$ 441,752.67		12.85%	\$ 56,746.16

**TOTAL SUTTON BILL FOR PERIOD**

**\$ 56,746.16**

Payable:

Town of Millbury  
DPW/Sewer Division  
127 Elm Street  
Millbury, MA 01527

Signed:

**MILLBURY SEWER COMMISSIONERS**

*[Handwritten signatures]*

**SEWER INVOICE FOR THE TOWN OF SUTTON**

**Force Main from Millbury to the Upper Blackstone Water Pollution Abatement Facility (UBWPA)**

**PERIOD July 1, 2018 through September 30, 2018**

**FLOWS for the PERIOD:**

Sutton Flow to Millbury	15.723
Millbury flow	115.877
Sutton + Millbury flow to UBWPA	<u>131.600</u>
Sutton % of Flow	<u><u>11.95%</u></u>

**BUDGET INFORMATION**

			<u>SPENT</u>	<u>SUTTON ELIGIBLE</u>
Salaries	\$ 272,477.00	\$	67,478.75	\$ 66,544.25
Supplies & Materials	\$ 45,000.00	\$	7,237.53	\$ 6,787.53
Purchased Services	\$ 284,839.00	\$	43,508.12	\$ 26,607.84
Indirect Costs	\$ 351,074.00	\$	87,768.50	\$ 87,768.50
UBWPAD Assessment	\$ 986,217.00	\$	246,554.25	\$ 246,554.25
<b>TOTALS</b>	<u>\$ 1,939,607.00</u>	<u>\$</u>	<u>452,547.15</u>	<u>\$ 434,262.37</u>
<u>Sutton Share of Millbury Budget:</u>	\$ 434,262.37	<b>11.95%</b>	\$	51,883.79

**TOTAL SUTTON BILL FOR PERIOD**

**\$ 51,883.79**

Payable:

Town of Millbury  
DPW/Sewer Division  
127 Elm Street  
Millbury, MA 01527

Signed:

**MILLBURY SEWER COMMISSIONERS**

*Steve Chubb*  
\_\_\_\_\_  
*Steph F. ...*  
\_\_\_\_\_  
*Richard ...*  
\_\_\_\_\_

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**\$ 51,883.79**

Payable:

Town of Millbury  
DPW/Sewer Division  
127 Elm Street  
Millbury, MA 01527

Signed:

**MILLBURY SEWER COMMISSIONERS**

*[Handwritten Signature]*  
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*[Handwritten Signature]*  
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*[Handwritten Signature]*  
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SEWER INVOICE FOR THE TOWN OF SUTTON

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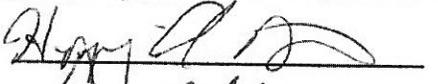
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Payable:

Town of Millbury  
DPW/Sewer Division  
127 Elm Street  
Millbury, MA 01527

Signed:

MILLBURY SEWER COMMISSIONERS




CONSTRUCTION & SERVICE SOLUTIONS

12/3/2018

Millbury Sewer Dept.  
127 Elm St,  
Millbury, MA  
01527

ATTN: Jamie Piscitelli  
RE: Various Pump Station Repairs / Replacements

Dear Mr. Piscitelli,

R.H. White Construction Co., Inc. is pleased to provide the following budget proposal for the various pump station repairs listed below at the listed facilities. R.H. White Construction proposes to perform this project on a time and materials basis.

**Scope of Work:**

- Replacement of (2) 4" check valves and related hardware.
- Replacement of (2) 4" non- rising gate valves.
- Perform a shutdown for replacement of all listed valves.

**Proposed Budget – Wheelock Pump Station: \$7,700.00**

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**Scope of Work:**

- Replacement of (3) 4" check valves and related hardware.
- Perform a shutdown for replacement of all listed valves.

**Proposed Budget – Rayburn Pump Station: \$ 7,794.00**

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**Scope of Work:**

- Replacement of (4) 4" non- rising gate valves.
- Perform a shutdown for replacement of all listed valves.

**Proposed Budget – Warren Street Pump Station: \$ 8,200.00**

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**Scope of Work:**

- Repair piston air cylinder on 20" cushioned swing check valve.
- A repair kit will be furnished.

**Proposed Budget – Millbury Sewer Plant (All Three Valves): \$ 14,662.00**  
**Each individual Valve: \$ 4,887.00**

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**Assumptions:**

- Regular working hours of 7:00am to 3:30pm Monday through Friday
- RH White will have unrestricted access to the work area as needed during the project.
- The customer has all documentation necessary to substantiate that the site is free of hazardous materials.
- Vac truck & by-pass of any kind is to be furnished by owner.

12/3/2018

**Exclusions:**

- Removal, handling or disposal of any hazardous materials.
- Engineering of any kind.
- Permits and Fees.

RHW would like to thank you for the opportunity to work with you. If you have any questions or require further clarification, please contact me at 508 832 3295.

Sincerely,



---

Joe Lavin  
Mechanical Superintendent  
Mechanical Division



## TOWN OF MILLBURY

MUNICIPAL OFFICE BUILDING • 127 ELM STREET • MILLBURY, MA 01527 • TEL. 508/865-9143 • FAX 508/865-0853

November 21, 2008

Mr. Steve Gallo  
31 Gallair Circle  
Holden, MA 01520

Subject: **Autumn Gate Development – Phase I  
DEP Sewer Extension Permit BRP #W053874  
Collection System and Pump Station**

### SEWER COMMISSION

Gary C. Nelson  
*Chairman*

Happy Erickson  
*Clerk*

Frank J. Gagliardi

J. Bradford Lange  
*Superintendent*

Dear Mr. Gallo:

This letter is intended to confirm that the existing collection system and pumping station system installed to connect the subject development property to the municipal sewer system adequately meets the requirements of this department subject to the following conditions.

In a letter from Earth Tech dated April 5, 2008 a punch list was prepared regarding the infrastructure installed. To date, items 1, 2, 6, 7, 8 & 9 have been corrected and/or addressed as required by the Department. The remaining items listed below require further action prior to or in conjunction with the activation of the pump station.

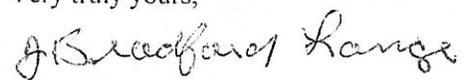
3. Proof of warranties must be provided for all equipment
4. List of Spare Parts to be provided (refer to April 5 letter for additional information)
5. Final Paving to be scheduled for inspection by Millbury DPW or Earth Tech with at least 5 days notice.
10. The ADT alarm system must be installed when the pump station is put in service for sewage transmission.
11. A street light will be installed within 40 feet of the perimeter fence of the pump station.

Also, in accordance with the Sewer Department regulations, you are required to contribute to the I/I fund which is used to provide additional capacity in the municipal sewer system to accommodate the additional flows. The required contribution is a value equal to three times the Title 5 flow rate. For the proposed 29 lot development, a total of \$28,710 (29 lots x 3 bedrooms/home x 110 gpd x 3/1 factor x \$1.00/gal) must be paid into the fund before any permits can be issued on the project. Note that this calculation is based on 3 bedroom homes. If 29 4-bedroom homes are constructed, the adjusted value would be \$38,280.

In addition to the I/I fund required for the sewer extension approval, sewer service connection fees for this development will be assessed at \$2,500 per lot prior to the issuance of a sewer connection permit to the drain layer.

If you have any questions, or require any additional information, please call this office.

Very truly yours,

A handwritten signature in cursive script that reads "J. Bradford Lange".

J. Bradford Lange, Superintendent  
Millbury Sewer Department

Attachment

cc: Marie Cannon, Earth Tech

April 5, 2007

FAXED 508-473-1357

LRC Development & Services, Inc.  
P.O. Box 440  
50 Birch Street  
Milford, MA 01757

Att: Al Madeiras

Re: **Autumn Gate Development, Millbury, MA**  
**DEP Sewer Extension Permit BRP #W053874**  
**Pump Station – Substantial Completion**

Dear Mr. Madeiras:

As requested, this letter is sent on behalf of the Millbury Sewer Commission to grant approval for substantial completion of the pump station facilities constructed for the Autumn Gate Development in Millbury off Grafton Street.. This approval is based on our field inspection and performance testing completed April 2, 2007 (using potable water) as well as previous discussions and inspections conducted during construction. Attached is a summary of the inspection notes by Earth Tech, and the pump testing summarized by Pumping Systems Inc. Also included are selected photos taken on the same date.

There are several conditions of the approval, none of which affect the planned use of the station to serve the proposed housing development. However, it should be noted that this approval is functional only and does not represent full acceptance of the pump station facilities which can only occur after the station has been in-service for one full year (or specified time acceptable to the Sewer Department).

Based on LRC's poor payment of its subcontractors and review fees, we require that all outstanding fees be paid by LRC before the Sewer Department confirms its approval for the issuance of building permits.

It is noted that the Millbury Sewer Department was able to confirm sewer manhole inverts in the new collection system. The following "punch list" is intended to summarize remaining details that must be addressed by July 1, 2007 unless an extension of time or relief is granted by the Sewer Department. If any issues remain unacceptable after that date, the Sewer Department will not sign off for any occupancy permits.

1. The force main discharge connection to the SMH in Grafton Street must be modified to direct the flow towards the downstream invert.
2. Piping corrections are required at the air-release structure.
3. Proof of Warranties must be provided for all equipment.
4. List of Spare Parts to be provided (it is noted that a spare flush valve was delivered 4/2/07, and spare bulbs and fuses were supplied on the control panel.
5. Final Paving will be scheduled for inspection by Town or Earth Tech with at least 5 days notice.

6. The gravel under the control panel must be filled to the bottom of the frame.
7. Explosion-proof couplings must be installed at the control cabinet. (held pending recent testing)
8. Concrete patch repairs are required on the equipment pads as discussed in the field on 4/2/07, including the gap along the edge of the control panel base. The base also needs to be sealed along the concrete interface to prevent infiltration of rainwater.
9. The emergency generator frame must be bolted to the concrete base pad.
10. The ADT alarm system must be installed when the pump station is put in service for sewage transmission.
11. A street light will be installed within 40 feet of the perimeter fence.

If you have any questions please call me at 978-371-4143.

Very truly yours,

Earth Tech, Inc.



Marie C. Cannon, P.E.

Attachments

cc: B. Lange, Millbury Sewer Department  
G. Nelson, Chairman, Millbury Sewer Commission  
Don Deems, Pumping Equipment & Controls  
K. McNamara, ET Accounts Receivable-Concord  
J. Boccadoro, ET Project Director



CONSTRUCTION & SERVICE SOLUTIONS

R.H. WHITE CONSTRUCTION CO., INC.

A Subsidiary of R.H. White Companies, Inc.

41 Central Street – P.O. Box 404  
Auburn, Massachusetts 01501  
t: 508.832.3295  
f: 508.832.7084

www.rhwhite.com

November 18, 2013

Gallo Builders, Inc.  
31 Gallair Circle  
Holden, MA 01520

Attn: Steve Gallo

Re: Autumn Hill Estates Pump Station Inspection Report

Dear Mr. Gallo,

The following is a breakdown of the work R.H. White performed during our inspections of the pump station at the Autumn Hill Estates in Millbury, MA. Work was witnessed by a representative from Tighe & Bond. The numbered inspection items represent the items in the Town of Millbury DPW's letter dated September 12, 2013, which is attached for reference.

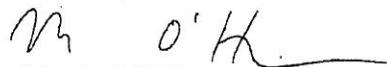
1. **Pump Inspection** – The pumps were inspected by R.H. White onsite when they were pulled on Tuesday October 29, 2013. The pumps were then brought to DKD Solutions (Ruby Electric) of Worcester, MA, a local motor and pump shop. No issues were found with the pumps, including their cord seals, shaft seals, volutes & impellers. When reinstalled, the pumps were confirmed to be running in the correct direction.
2. **Pump Amp Draw** – The pumps were shop tested by DKD Solution of Worcester, MA. Both pumps drew 6.3 amps during the test. The pumps are rated to draw 7.5 amps, so they are well within specs. A copy of the report is attached.
3. **Slide Rails** – On Thursday October 24, 2013, R.H. White performed an inspection of the slide rail system. We found that the base elbows for the pumps were secure, the slide rail bases & brackets were secure, and the lifting chain and associated hardware was all in good condition and working order.
4. **Flygt Stick Settings** – The system uses a Flygt Stick to control the pumps. The stick senses water at different elevations which is what controls the pumps. On Tuesday October 29, 2013, R.H. White confirmed that the system is operational (it correctly indicates the level of water and turns on the pumps accordingly). We were not able to confirm that the lead/lag on/off elevations were as designed, but believe Gallo Builders was confirming this independently.
5. **Pump Controls** – As noted in Item #4, on Tuesday October 29, 2013, R.H. White confirmed that the station operates correctly both in hand and in automatic. We were able to confirm lead pump on & off, lag pump on & off, and the high & low water alarms. The

pump control panel was inspected and found to be free of moisture. The heater was found to be operational and was functioning properly.

6. **Installation of Alarm System** – This was to be completed by Gallo Builders.
7. **Testing of Alarm System** – As noted in item #5, R.H. White confirmed that the high and low water alarms operate, however Gallo Builders was to confirm that the alarms call out as required.
8. **Generator Load Test** - This was to be completed by Gallo Builders.
9. **Pressure Testing the Force Main & Manholes** - This was to be completed by Gallo Builders.
10. **Infiltration/exfiltration Test** – An infiltration test was performed. The wetwell was left filled with water overnight. The water was at the same level the next day, and so showed 0% loss in volume.
11. **Timed Drawdown** – The drawdown test was performed and the results were recorded by Tighe & Bond. Please refer to Tighe & Bond for the results and confirmation of the pumps operating at the design points.
12. **O&M Manual** – This was to be provided by Gallo Builders.
13. **Spare Parts** – These were to be provided by Gallo Builders.
14. **Access Hatches** – R.H. White inspected both the wetwell and valve vault hatches. The wetwell hatch was in good working order, as was the protective bar grate. However there was a screw that covered the lock to the valve vault hatch which was not able to be unscrewed. R.H. White drilled out the screw so that the hatch could be unlocked and opened using the key. After this was done, the hatch was inspected and found to be in good working order.
15. **Air Release Valve** – The air release valve was tested on Friday October 25, 2013 and found to be in good working order.
16. **Odor Control System** – R.H. White was provided a carbon filter from Gallo Builders which was then installed on the vent of the wetwell.
17. **Warranties** - This was to be completed by Gallo Builders.

Please review the above information and contact me if you have any questions or require additional information. We appreciate the opportunity to work with you on this project.

Sincerely,



Marshall O'Hearn  
Mechanical Service Manager



H. S. & T. GROUP, INC.  
RENEY, MORAN & TIVNAN  
BOULEY BROTHERS ENGINEERING

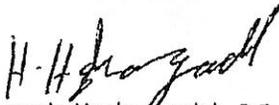
November 19, 2013

Re: Autumn gate Subdivision- Sewer Pump Station, Millbury, MA

Dear Mr. Robert D. McNeil III, P.E.,

Please be advised that our firm conducted a field survey of the pumping station at this location. The elevation of the floater as designed was 395.85 and as a result of the survey it indicated that it is set at 396.70 which is within .15 feet. 8" invert 396.34, design 396.70, lag pump 396.94, design 396.70, lead pump on 394.94, design 394.85, alarm on 396.29, design 395.85, bottom manhole 392.84, and design 393.35. Also, the wet well was flooded and the elevation was taken in 24 hours, there was zero loss of the volume; so there were no leaks detected there within the wet well. Infiltration or exfiltration was zero.

Sincerely yours,

  
Hossein Haghani-zadeh, P.E.

# BIGELOW ELECTRICAL CO., INC.

1 PULLMAN STREET, P.O. BOX 60268  
 WORCESTER, MASSACHUSETTS 01606-0268  
 (508) 852-5000 FAX (508) 853-2010  
 www.bigelowelec.com  
 ESTABLISHED 1914

## LOAD BANK TEST REPORT

Date: 9-26-13

Make: Kohler  
 Model: 20REOZJB  
 Serial#: 2124347  
 Rating: 25kw

Customer: Gallo Builders  
 Address: 31 Gallair Circle  
 City: Holden  
 State: Ma

Gen. Location: 18 Autumn Gate Circle, Millbury

Volts			Amps			Oil	Batt	Water	Exhaust				
L1-L2	L2-L3	L1-L3	L1	L2	L3	HZ	Press	Volts	Temp	Temp	Time	Kw %	Kw
480	480	480	0	0	0	60	65	13.8	110 f	215 f	8:50	0	0
480	480	480	15	15	15	60	60	13.8	125 f	288 f	9:00	50	12.5
480	480	480	15	15	15	60	60	13.8	151 f	306 f	9:15	50	12.5
480	480	480	15	15	15	60	55	13.8	160 f	328 f	9:30	50	12.5
480	480	480	15	15	15	60	55	13.8	160 f	331 f	9:45	50	12.5
480	480	480	15	15	15	60	55	13.8	170 f	345 f	10:00	50	12.5
480	480	480	30	30	30	60	55	13.8	170 f	424 f	10:00	100	25
480	480	480	30	30	30	60	55	13.8	170 f	489 f	10:15	100	25
480	480	480	30	30	30	60	55	13.8	170 f	513 f	10:30	100	25
480	480	480	30	30	30	60	55	13.8	170 f	528 f	10:45	100	25
480	480	480	30	30	30	60	55	13.8	170 f	536 f	11:00	100	25
480	480	480	30	30	30	60	55	13.8	170 f	540 f	11:05	100	25
480	480	480	0	0	0	60	60	13.8	160 f	230 f	11:10	0	0

Hour Meter

Start: 73.2  
 Stop: 75.4

Average Outside Temp: 65 f

Test Performed By: K. Olson  
 Bigelow Electrical Co. Inc.

Notes: Performed 2 Hr load bank test. Also performed transfer test of the ATS.  
 The generator system is operating properly.

SUBMERSIBLE PUMP INSPECTION REPORT

MFG. FN6T DISCHARGE SIZE —

GPM — HEAD — TYPE/STYLE # — THREADED / FLANGED

HP 4 VOLTS 460 PH 3 HZ. 60 AMP 7.5 RPM 3455

ID # 3102 SERIAL # —

	PASS	FAIL	COMMENTS
CASING	✓		Visual
IMPELLER	✓		Visual
BALANCE	✓		TEST RUN
SHAFT/KEYWAY		—	
MOTOR	✓		3.1 ohms (L1-L2-L3) MEGG = Infinity
SEAL(S)	✓	}	10 PSI / 10 MIN TEST
SEAL HOUSING(S)	✓		
GASKETT(S)/O-RING(S)	✓		
CORD/SEAL	✓		
FLOAT SWITCH		—	
PROBE / FLS	✓		2.524 KΩ
HARDWARE			
OTHER			

TEST METHOD SUBMERGE & TEST RUN - 12 HR SOAK OK

COMMENTS 6.3, 6.3, 6.3 AMP

Identical test Results Both Pumps

JOB # 31303