

Town of Millbury  
Minutes of  
**Sewer Commission Meeting**  
**February 23, 2016**

TOWN OF MILLBURY  
MAR -9 AM 11:46  
MILLBURY, MASS

**ITEM ONE – CALL TO ORDER**

Chairman Nelson called the meeting to order at 5:11 p.m. Those in attendance are noted below:

Board Members

Gary Nelson  
Lisa Allain

Staff/Other

Rob McNeil  
Andrea Paquette

**ITEM TWO – APPROVAL OF MINUTES**

Lisa Allain motioned to approve the minutes of the Jan. 26, 2016 meeting as submitted; Gary Nelson seconded; a unanimous vote of approval was obtained.

**ITEM THREE – FINANCE**

Warrants – Lisa Allain motioned to approve the following warrant; Gary Nelson seconded; a unanimous vote of approval was obtained:

Expense Vouchers Totaling	\$2,727.83
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**ITEM FOUR – OPERATIONS**

- Rob McNeil reported that the office received the Sutton Meter Calibration and it is on file.
- The Commission received an Extension Request from Ricciardi Bros., Inc. with regards to Elmwood Street Pump Station. Rob McNeil updated the Comm. explaining that the delay was due to a coordination issue with National Grid & Verizon and said completion is anticipated for mid-March. Thus, applicant is requesting 30 extension until March 18, 2016 for substantial completion. Mr. McNeil recommended the Comm. approve the extension. Gary Nelson motioned to approve the time extension request for substantial completion to March 18, 2016; Lisa Allain seconded; unanimous vote of approval was obtained.
- The Commission reviewed the Monthly Sewer Flow Data Report with which they were supplied.
- Regarding Sewer billing, the Comm. was informed they could expect a draft of the warrant for the March 8<sup>th</sup> meeting, anticipating a vote for March 22<sup>nd</sup> meeting. Bills will then be mailed March 23, 2016.
- Chair, Gary Nelson inquired about possibility of extending sewer to residents of Faron Circle. Rob McNeil said he will pursue the matter.

**ITEM FIVE – FUTURE MEETING DATES**

03/08/16, 03/22/16, 4/12/16


**ITEM SIX – ADJOURNMENT**

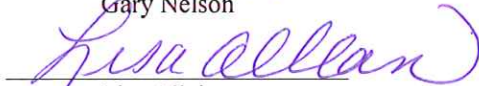
At 5:30 p.m. Lisa Allain motioned to adjourn the meeting, Gary Nelson seconded. Meeting adjourned.

Respectfully submitted,



Andrea Paquette  
Head Clerk

  
\_\_\_\_\_  
Gary Nelson

  
\_\_\_\_\_  
Lisa Allain

Invoice	Inv. Date	PO No.	Vendor	Total	User	Group	Inv. Due Date
76970A	2/18/2016	113938	AMERICAN ALARM AND COMMUNICATIONS,	\$552.32	apaquette	SEWER 2.26.16	2/26/2016
200152791FEB16	2/18/2016	113940	AQUARION WATER CO OF MASS INC	\$45.94	apaquette	SEWER 2.26.16	2/26/2016
200149859FEB16	2/18/2016	113939	AQUARION WATER CO OF MASS INC	\$45.90	apaquette	SEWER 2.26.16	2/26/2016
7573	2/18/2016	113941	HERITAGE RECREATION CENTER	\$544.50	apaquette	SEWER 2.26.16	2/26/2016
421536FEB16	2/18/2016	113942	NEW ENGLAND WATER HEATER CO INC	\$31.90	apaquette	SEWER 2.26.16	2/26/2016
102815	2/18/2016	113947	SJOLANDER ELECTRIC	\$745.00	apaquette	SEWER 2.26.16	2/19/2016
20116	2/18/2016	113946	SJOLANDER ELECTRIC	\$270.00	apaquette	SEWER 2.26.16	2/26/2016
113015	2/18/2016	113945	SJOLANDER ELECTRIC	\$270.00	apaquette	SEWER 2.26.16	2/26/2016
61781546513900088FEB	2/18/2016	113943	VERIZON	\$222.27	apaquette	SEWER 2.26.16	2/26/2016
				\$2,727.83			

**CERTIFICATE OF CALIBRATION**  
ISO/IEC-17025 Accredited

**TOWN OF SUTTON**

Equipment ID:	EM-05535	Serial No:	I04C0181
Description:	FLOW METER	Status:	Active
Model No:	UFU111	Technician:	PAUL O'MALLEY
Manufacturer:	UNIPULSE	Location:	PUMP STATION SUTTON
Receipt Condition:	GOOD	Work Performed:	On Customer Site

**Calibration Summary**

Calibrated:	01/26/2016	Frequency:	Semi-Annual	Temp:	42°F	As Found:	In Tolerance
Next Cal:	07/26/2016	Sensitivity:	PASS	Humidity:	32%	Result:	Pass

Calibration Method: MANUFACTURER INSTRUCTION

Standard Equipment Used				
<u>Equip ID</u>	<u>Model</u>	<u>Description</u>	<u>Cal Due</u>	<u>Report #</u>
276*	M170/HMP75	HYGROMETER	12/03/2016	2083.01
192*	D902-A1NA-NN	FLOW METER	07/21/2016	RGA-6-4770

**Measurement Group 1**

<u>Tol Type</u>	<u>Units</u>	<u>As Found</u>	<u>Result</u>	<u>Procedures</u>
Percent (%)	gpm	In Tolerance	Pass	063

<u>Desc</u>	<u>Nominal</u>	<u>Limits</u>		<u>As Found</u>			<u>As Left (Cal Status)</u>		
		<u>Upper</u>	<u>Lower</u>	<u>Actual</u>	<u>Error</u>	<u>Result</u>	<u>Actual</u>	<u>Error</u>	<u>Result</u>
FLOW METER 8.0" PIPE SIZE	448	457	439	453	005	Pass	453	005	Pass

Approved By: Paul O'Malley, L.A. E&M

The above results relate only to the items calibrated for the range shown above. Calibration was performed in accordance with E&M quality manual and work instructions that are in compliance with ISO 10012-1, ISO/IEC 17025, AMS 2750E, AMS-H-6875. Standards used are traceable to NIST. A minimum accuracy ratio of 4:1 was used unless otherwise stated. The expanded uncertainties are expressed at the 95% confidence level using a coverage factor of k=2. If measurement of uncertainties are required contact E&M. This certificate shall not be reproduced except in full without permission from Electronic & Mechanical.

**CERTIFICATE OF CALIBRATION**  
ISO/IEC-17025 Accredited

**TOWN OF SUTTON**

Equipment ID:	EM-03527	Serial No:	92200871700001
Description:	CHART RECORDER	Status:	Active
Model No:	DR-4200	Technician:	PAUL O'MALLEY
Manufacturer:	HONEYWELL	Location:	PUMP STATION SUTTON
Receipt Condition:	GOOD	Work Performed:	On Customer Site

**Calibration Summary**

Calibrated:	01/26/2016	Frequency:	Semi-Annual	Temp:	42°F	As Found:	In Tolerance
Next Cal:	07/26/2016	Sensitivity:	PASS	Humidity:	38%	Result:	Pass

Calibration Method: MANUFACTURER INSTRUCTION

Standard Equipment Used

Equip ID	Model	Description	Cal Due	Report #
179*	741B	CALIBRATOR	03/01/2016	218910
276*	M170/HMP75	HYGROMETER	12/03/2016	2083.01

Measurement Group 1

Tol Type	Units	As Found	Result	Procedures					
Percent (%)	%	In Tolerance	Pass	059					
Desc	Nominal	Limits		As Found			As Left (Cal Status)		
		Upper	Lower	Actual	Error	Result	Actual	Error	Result
4.00 mA CHART RECORDER	000	000	000	000	000	Pass	000	000	Pass
12.00 mA	050	050	050	050	000	Pass	050	000	Pass
20.00 mA	100	101	099	100	000	Pass	100	000	Pass

Approved By: Paul O'Malley, L.A. E&M

The above results relate only to the items calibrated for the range shown above. Calibration was performed in accordance with E&M quality manual and work instructions that are in compliance with ISO 10012-1, ISO/IEC 17025, AMS 2750E, AMS-H-6875. Standards used are traceable to NIST. A minimum accuracy ratio of 4:1 was used unless otherwise stated. The expanded uncertainties are expressed at the 95% confidence level using a coverage factor of k=2. If measurement of uncertainties are required contact E&M. This certificate shall not be reproduced except in full without permission from Electronic & Mechanical.



# CERTIFICATE OF ACCREDITATION

**ANSI-ASQ National Accreditation Board**

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

**Electronic & Mechanical  
188 Hartness Road  
Sutton, MA 01590**

has been assessed by ANAB  
and meets the requirements of international standard

**ISO/IEC 17025:2005**

while demonstrating technical competence in the field(s) of

**CALIBRATION**

Refer to the accompanying Scope(s) of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-1242

Certificate Number

ANAB Approval

Certificate Valid To: 09/05/2017  
Version No. 001 Issued: 08/13/2015



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

# RICCIARDI BROS., INC.

20 ENVELOPE TERRACE

WORCESTER, MA. 01604

Ph: 508-753-0175

Fax: 508-753-2868

February 16, 2016

Mr. Ray Willis  
Onsite Engineering  
279 East Central Street  
Franklin, MA 02038

Re: Proposed Change Order #4, Elmwood Street Pump Station, Millbury, MA

Dear Ray:

In accordance with Section 12.02 of the contract documents, Ricciardi Bros., Inc. (RBI) is formally requesting an extension to the contract time. Currently the substantial completion date, which was extended prior, is February 19, 2016.

As you are aware, the generator was delivered the end of January and LaFleur has made all of the connections possible at this point in time. There have been several emails going around between LaFleur Electric, National Grid, the Town and Verizon. National Grid came to the conclusion that a new service needed to be provided for the new pump station. This was after emails from last May stated that it was in engineering for design. The problem with National Grid needing new service was that it had to be on newly installed poles which are through Verizon. Verizon is supposed to install the new poles this week and then National Grid is planning on following shortly thereafter to install the new service.

Once complete, LaFleur will be able to hook up the new service to the pump station line. At that point we will be ready to perform testing and get the station ready for final service. Assuming that the work of Verizon and National Grid will be complete by the beginning of next week, RBI is anticipating startup and changeover of the pump station the week of March 14, 2016.

For a time extension (substantial completion), we would be requesting an additional month, pending the work of Verizon and National Grid and weather, which will put us at March 18, 2016. Also, as previously requested, RBI had asked for the final completion date to be in the spring of 2016 for the mill and overlay of the parking lot and decommissioning of the existing pump station.

Please review this letter and if you have any questions, or concerns, please let me know.

Respectfully,  
For Ricciardi Bros, Inc.



Ronald J. Ferraiuolo  
V.P., Sr. Project Manager

Cc: Robert McNeil, Town of Millbury DPW Director  
James Ricciardi, Ricciardi Bros., Inc.  
Larry Harris, LaFleur Electric

Millbury Sewer Pump Station  
 131 Providence Street  
 Millbury, MA 01527

Annual/Monthly Sewer Flow Data Report  
 January 2016

Day	Total Flow (MG)	Sutton Flow (MG)	Millbury Flow (MG)	Temp. (°F)	Precipitation (inches)
1	1.254	0.187	1.067	37	0
2	1.254	0.187	1.067	37	0
3	1.296	0.209	1.087	32	0
4	1.229	0.189	1.040	32	0
5	1.214	0.178	1.036	12	0
6	1.228	0.182	1.046	15	0
7	1.174	0.177	0.997	18	0
8	1.152	0.173	0.979	38	0.03
9	1.164	0.175	0.989	37	0.03
10	1.373	0.243	1.130	39	1.27
11	1.309	0.212	1.097	33	0
12	1.366	0.201	1.165	18	0.14
13	1.278	0.198	1.080	25	0.01
14	1.301	0.195	1.106	21	0
15	1.223	0.191	1.032	24	0.26
16	1.381	0.215	1.166	36	0.42
17	1.325	0.208	1.117	28	0.13
18	1.333	0.221	1.112	25	0
19	1.253	0.196	1.057	17	0
20	1.225	0.192	1.033	21	0
21	1.2	0.193	1.007	17	0
22	1.165	0.186	0.979	19	0
23	1.183	0.19	0.993	25	0
24	1.234	0.206	1.028	24	0.39
25	1.24	0.185	1.055	19	0
26	1.134	0.187	0.947	22	0
27	1.146	0.184	0.962	40	0
28	1.135	0.178	0.957	20	0
29	1.168	0.176	0.992	34	0
30	1.173	0.18	0.993	28	0
31	1.185	0.195	0.990	28	0

Day	Total Flow (MG)	Sutton Flow (MG)	Millbury Flow (MG)	Temp. (°F)	Precipitation (inches)
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Total = 38.295 5.989 32.306 821 2.68

Average Daily = 1.235 0.193 1.042 26.484 0.086

High = 1.381 0.243 1.166 40 1.27

Low = 1.134 0.173 0.947 12 0

Note: All data readings taken by staff at 7:00 AM daily



**Town of Millbury**  
**DEPARTMENT OF PUBLIC WORKS**

MUNICIPAL OFFICE BUILDING  
127 Elm Street · MILLBURY, MA 01527-0632  
Tel. 508-865-9143 · Fax: 508-865-0843  
**ROBERT D. McNEIL III, P.E., Director**  
rmcneil@townofmillbury.net

Sewer Division  
Annual/Monthly Flow Report  
2016

REVISER: February 18, 2016  
REVISOR: R. McNeil

Month	Total Flow (MG)	Rainfall (in)	Sutton Flow (MG)	Millbury Flow (MG)	Sutton % of Total Flow
January	38.295	2.68	5.989	32.306	15.64%
February					#DIV/0!
March					#DIV/0!
<b>3rd Qtr. Totals =</b>	<b>38.295</b>		<b>5.989</b>	<b>32.306</b>	<b>15.64%</b>
April					#DIV/0!
May					#DIV/0!
June					#DIV/0!
<b>4th Qtr. Totals =</b>	<b>0.000</b>		<b>0.000</b>	<b>0.000</b>	<b>#DIV/0!</b>
July					#DIV/0!
August					#DIV/0!
September					#DIV/0!
<b>1st Qtr. Totals =</b>	<b>0.000</b>		<b>0.000</b>	<b>0.000</b>	<b>#DIV/0!</b>
October					#DIV/0!
November					#DIV/0!
December					#DIV/0!
<b>2nd Qtr. Totals =</b>	<b>0.000</b>		<b>0.000</b>	<b>0.000</b>	<b>#DIV/0!</b>
<b>Year Totals =</b>	<b>38.295</b>		<b>5.989</b>	<b>32.306</b>	<b>15.64%</b>
<b>Annual Rainfall (in) =</b>		<b>2.68</b>			

Note: Flow data generated from actual calibrated meter readings at the Millbury and Sutton Sewer Facilities. Total Flow data is measured at the Millbury Sewer Plant's Parshall Flume meter. Sutton Flow data is generated from actual calibrated meter readings from the Sutton Pump Station taken at the Millbury Sewer Plant. Millbury Flow data calculated by subtracting Sutton Flow data from Total Flow data.



# January 2016

