



CITY OF HAVERHILL CITY COUNCIL AGENDA

Tuesday, April 2, 2019 at 7:00 PM

Theodore A. Pelosi, Jr. Council Chambers, 4 Summer St, Room 202

1. OPENING PRAYER

2. PLEDGE OF ALLEGIANCE

3. APPROVAL OF MINUTES OF PRIOR MEETING

4. ASSIGNMENT OF THE MINUTES REVIEW FOR THE NEXT MEETING

5. COMMUNICATIONS FROM THE MAYOR:

5.1. Communication from Mayor Fiorentini submitting Loan Order to borrow \$3 million, to issue bonds or notes for Sewer System Improvements

5.1.1. Loan Order – Appropriate \$3,000,000 to pay costs associated with construction of Sewer System Improvements along Kenoza av, Lawrence st and various streets between Lawrence st and Main st
File 10 days

5.2. Communication from Mayor Fiorentini submitting Loan Order to borrow \$2.5 million, to issued bonds or notes for financing study, planning and engineering of Phase 3 Combined Sewer Overflow (CSO) Program and Authority to File

5.2.1. AUTHORITY TO FILE -Authorize Mayor to file applications & file agreements

5.2.2. Loan Order – Appropriate \$2,500,000 to fund Study, Planning & Engineering for Phase 3 – (CSO) Program
File 10 days

5.3. Communication from Mayor Fiorentini submitting *Memorandum of Agreement (MOA)* between *City of Haverhill* and the *Teamsters Animal Control/Police Mechanics/Police Craftsman-Custodian/Building Custodian Union Group* and related *Salary Ordinance*

5.3.1. Ordinance re: Salaries – *Animal Control Officers, Police Mechanics (ME Repairmen) Police Building Maintenance Craftsmen/Custodian and Public Property Building Custodian Group*
File 10 days

6. COMMUNICATIONS AND REPORTS FROM CITY OFFICERS AND EMPLOYEES:

7. UTILITY HEARING(S) AND RELATED ORDER(S)

8. HEARINGS AND RELATED ORDERS

9. PUBLIC PARTICIPATION- REQUESTS UNDER COUNCIL RULE 28

10. APPOINTMENTS:

10.1. **Confirming Appointments:**

10.2. **Non-Confirming Appointments:**

10.3. **Resignations**

11. PETITIONS:



CITY OF HAVERHILL CITY COUNCIL AGENDA

Tuesday, April 2, 2019 at 7:00 PM

Theodore A. Pelosi, Jr. Council Chambers, 4 Summer St, Room 202

- 11.1. Applications/Handicap Parking Sign
- 11.2. Tag Days:
- 11.3. One Day Liquor License:
- 11.4. Annual License Renewals
 - 11.4.1. Hawker Peddlers License Renewals 2019
 - 11.4.2. Coin-Op License Renewals 2019:
 - 11.4.3. Sunday Coin-Op License Renewals 2019
 - 11.4.4. Drainlayer License for 2019:
 - 11.4.5. Taxi Driver Licenses for 2019
 - 11.4.6. Taxi License
 - 11.4.7. Junk Dealer License:
 - 11.4.8. Pool Tables
 - 11.4.9. Sunday Pool:
 - 11.4.10. Bowling:
 - 11.4.11. Sunday Bowling:
 - 11.4.12. Buy & Sell Second Hand Articles
 - 11.4.13. Buy & Sell Second Hand Clothing
 - 11.4.14. Pawnbroker license:
 - 11.4.15. Buy & Sell Old Gold
 - 11.4.16. Hawker/Peddler:
 - 11.4.17. Roller Skating Rink:
 - 11.4.18. Sunday Skating:
 - 11.4.19. Theater
 - 11.4.20. Exterior Vending Machines
 - 11.4.21. Limousine/Livery License/Chair Cars – *new*
 - 11.4.22. Hawker/Peddler Seasonal License

12. MOTIONS AND ORDERS:

13. ORDINANCES (FILE 10 DAYS)

- 13.1. Ordinance re: Parking – 455 Washington st Apt 1, Establish Handicap Parking File 10 days

14. MONTHLY REPORT

15. COMMUNICATIONS FROM COUNCILLORS:

- 15.1. Communication from Council President John Michitson cancelling City Council meeting for April 16 2019 at 7:00 PM in the *Theodore Pelosi Jr.*, City Council Chambers



CITY OF HAVERHILL CITY COUNCIL AGENDA

Tuesday, April 2, 2019 at 7:00 PM

Theodore A. Pelosi, Jr. Council Chambers, 4 Summer St, Room 202

- 15.2. Communication from Councillor Mary Ellen Daly O'Brien requesting to introduce Joan Parah, Program Director, *Rebuilding Together Greater Haverhill Inc* to discuss annual event scheduled for April 27th and the waiving of permit and dumping fees for disposal of white goods, tires and leaves relative to the program
- 15.3. Communication from Councillor Joseph Bevilacqua requesting a discussion regarding construction vehicle parking in Washington Street Historic District lots and on street parking
- 15.4. Communication from Councillor Macek requesting a discussion relative to sending the *Planning & Development Committee* a request to set up a meeting with City Engineer John Pettis and State DOT personnel to go over the current plans for this year's reconstruction of Main st from City Hall through *Monument Square*
- 15.5. Communication from Councillors LePage and Jordan requesting to present an update on school facilities as discussed at the recent *Joint Facilities Subcommittee* meeting

16. UNFINISHED BUSINESS OF PRECEDING MEETINGS:

- 16.1. Document 38-L: Communication from Council President Michitson requesting to discuss the status of Haverhill's largest retirement debt and associated action plan *postponed from March 26th*

17. COUNCIL COMMITTEE REPORTS AND ANNOUNCEMENTS

18. DOCUMENTS REFERRED TO COMMITTEE STUDY

19. ADJOURN

511



JAMES J. FIORENTINI
MAYOR

**CITY OF HAVERHILL
MASSACHUSETTS**

CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
FAX 978-373-7544
MAYOR@CITYOFHAVERHILL.COM
WWW.CI.HAVERHILL.MA.US

March 28, 2019

City Council President John A. Michitson and Members of the Haverhill City Council

RE: Loan Order for Sewer System Improvements

Dear Mr. President and Members of the Haverhill City Council:

Please see attached a loan order to borrow \$3 million, to issue bonds or notes for the City to be appropriated for financing the engineering and construction of sewer improvements to various sewer lines on Kenoza Avenue, Lawrence Street and various streets between Lawrence Street and Main Street. This order must be placed on file for 10 days. I recommend approval.

Very truly yours,


James J. Fiorentini
Mayor

JJF/lyf

File 10 days

5111



DOCUMENT

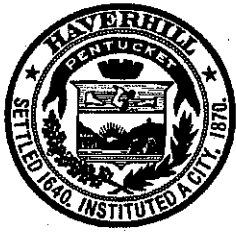
CITY OF HAVERHILL

In Municipal Council

ORDERED:

That \$3,000,000.00 is appropriated to pay costs of the construction of sewer system improvements along Kenoza Avenue, Lawrence Street and Various streets between Lawrence Street and Main Street, including the payment of all costs incidental and related thereto, and that to meet this appropriation, the City Treasurer, with the approval of the Mayor, is authorized to borrow said amount under and pursuant to Chapter 44, Section 7(1) of the General Laws, or pursuant to any other enabling authority, and to issue bonds or notes of the City therefor. Any premium received by the City upon the sale of any bonds or notes approved by this vote, less any such premium applied to the payment of the costs of issuance of such bonds or notes, may be applied to the payment of costs approved by this vote in accordance with Chapter 44, Section 20 of the General Laws, thereby reducing the amount authorized to be borrowed to pay such costs by a like amount.

FURTHER ORDERED: That in connection with the issuance of bonds or notes of the City pursuant to this Order, the Treasurer is authorized to file an application with the appropriate officials of The Commonwealth of Massachusetts (the "Commonwealth") to qualify under Chapter 44A of the General Laws any and all bonds of the City issued pursuant to this order, and to provide such information and execute such documents as such officials of the Commonwealth may require in connection therewith.



Haverhill

Robert E. Ward, Deputy DPW Director
Water/Wastewater Division
Phone: 978-374-2382 Fax: 978-521-4083
rward@haverhillwater.com

Date: March 28, 2019

To: The Honorable James J. Fiorentini
Mayor of Haverhill

From: Robert E. Ward *RW*
Deputy DPW Director

Subject: Proposed Loan Order
Sewer System Improvements

Enclosed for your review and approval is a proposed loan order for \$3 million to fund the cost of the construction of improvements to the City's sewer system along Kenoza Avenue, Lawrence Street and various streets between Lawrence Street and Main Street. This is within the same area as the Phase 2 Water Main Improvements Project scheduled to begin later this spring and funded by a separate loan order already approved.

Because many of the sewer lines in this area are old, we had the sewer lines inspected via closed-circuit television (CCTV) to assess their condition. Although most of the sewer lines are in fair condition, some areas need repair or replacement. Our engineer, Woodard & Curran (W&C), reviewed the inspection videos and provided the recommendations for the needed sewer repairs, replacement, and rehabilitation in a Technical Memorandum dated February 11, 2019.

W&C's recommendations include repair and replacement requiring excavation and in-situ pipe rehabilitation (i.e., cured-in-place pipe liner, etc.). Upon approval of this loan order, the sewer work that requires excavation will be incorporated into a single project with the Phase 2 water main work. Sewer pipes recommended for rehabilitation using cured-in-place pipe lining will be deferred to a later date for inclusion in a separate pipe rehabilitation project. Cured-in-place pipe lining requires little to no excavation so impacts to residents and businesses will be minimal. We believe this is a more cost effective approach and will reduce construction impacts to residents and businesses.

Attached is a copy of the Water Division's 5-Year financial forecast from the FY19 budget and the 5-year Capital Project List. The 5-Year Forecast shows user rates needed to fund the projects on the capital list which includes \$3 million for sewer system rehab and repair. Annual loan payments will be approximately \$225,000. The rate impact for this loan is approximately \$0.11 per hundred cubic feet and will cost the average household \$8 per year.

If the loan order is acceptable to you, I would like to submit it to City Council for the April 2nd meeting so it can be placed on file and then voted on. I will attend the City Council meeting on April 16th to answer questions.

If you need additional information, please email rward@haverhillwater.com or call me at (978) 374-2382.

Attachments:

- Loan Order – For City Council Approval
- Technical Memorandum (without tables and maps)
- Map showing project area
- Estimated Costs
 - Base bid
 - Alternate bid
- Annual Debt Service Schedule
- FY19 Wastewater 5 - Year Budget Forecast
- FY19 Wastewater Capital Project List

Cc: Charles Benevento, City Auditor/Finance Director, cbenevento@cityofhaverhill.com
Alicia T. McOsker, CTP, City Treasurer, amcosker@cityofhaverhill.com
Michael Stankovich, Director of Public Works, mstankovich@cityofhaverhill.com
Carrie Prescott, Collection System Supervisor, cprescott@haverhillwater.com

TECHNICAL MEMORANDUM

TO: Robert Ward
CC: Carrie Prescott
PREPARED BY: Woodard & Curran, Inc.
DATE: February 11, 2019
RE: Phase 2 – Transmission and Water Main Improvements
Sewer Main Inspection and Recommendations

1. BACKGROUND

The City of Haverhill, MA (City) requested Woodard & Curran coordinate and review video inspection of sewer mains located within the limits of the Phase 2 – Redundant Transmission and Water Main Improvements project to include necessary sewer collection system repairs in the project scope. This memorandum summarizes the video inspection work completed by the City's contractors and Woodard & Curran's recommendations for sewer improvements needed based on our review of the sewer video inspections provided by the City. Woodard & Curran completed the following to assist the City in understanding sewer improvements needed within the limits of the Phase 2 – Redundant Transmission and Water Main Improvements project.

1. Coordination and oversight of the cleaning and video inspection of sewer mains;
2. Review of videos and inspection reports to assess sewer collection system conditions; and
3. Recommend sewer improvements based on review of the videos and video inspection reports.

2. CCTV INSPECTIONS COORDINATION AND REVIEW

Closed-Circuit Television (CCTV) inspections were performed by the City's contractors (BMC Corp and Truax Corporation). Woodard & Curran coordinated and provided part time inspection of the work performed by Truax Corporation. The total linear footage of sewer pipe inspected by the City's contractors was approximately 19,000 feet and ranged from 6-inches to 18-inches in diameter. The average age of the sewer mains inspected is 100 years old, with the oldest known installation date being in the early 1870's.

The CCTV inspection effort began on October 11, 2018 and was completed on January 28, 2019. Woodard & Curran received the videos and inspection reports after the inspections were complete and reviewed each video to assess the improvements needed. Several pipes could not be inspected due to intruding laterals or lack of inspection access points due to buried manholes.

In general, CCTV inspections revealed the sewer mains in the inspection area are in fair condition. Some areas were found to be structurally deficient, requiring replacement or spot repairs but the majority of the deficiencies observed can be repaired using in-situ improvement methods. Attachment A provides a map of the sewer mains inspected and rehabilitation recommendations. Buried manholes that prevented inspection are symbolized using a white circle with black outline. Attachment B includes a comprehensive summary of the CCTV inspections and Woodard & Curran's recommended improvements.

3. DESIGN INTENT

Woodard & Curran understands the City intends to repair or replace sewer mains in coordination with water system improvements proposed in the Phase 2 – Redundant Transmission and Water Main Improvements project. The recommended sewer improvements include both open cut trench excavation and in-situ pipe rehabilitation methods. Open cut trench excavation methods will be used to construct the proposed water main improvements. Typically, general contractors qualified to bid on the proposed water main improvements are also qualified to construct sewer main improvements using similar open cut trench excavation methods but hire subcontractors qualified to complete in-situ pipe rehabilitation at a marked-up cost. Therefore, the design of sewer improvements included in the water main project will be focused on repairs that require open cut trench excavation. It should be more cost effective to complete the recommended in-situ pipe rehabilitation, such as Cured-In-Place Pipe (CIPP) lining under a separate project.

4. RECOMMENDATIONS

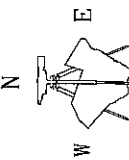
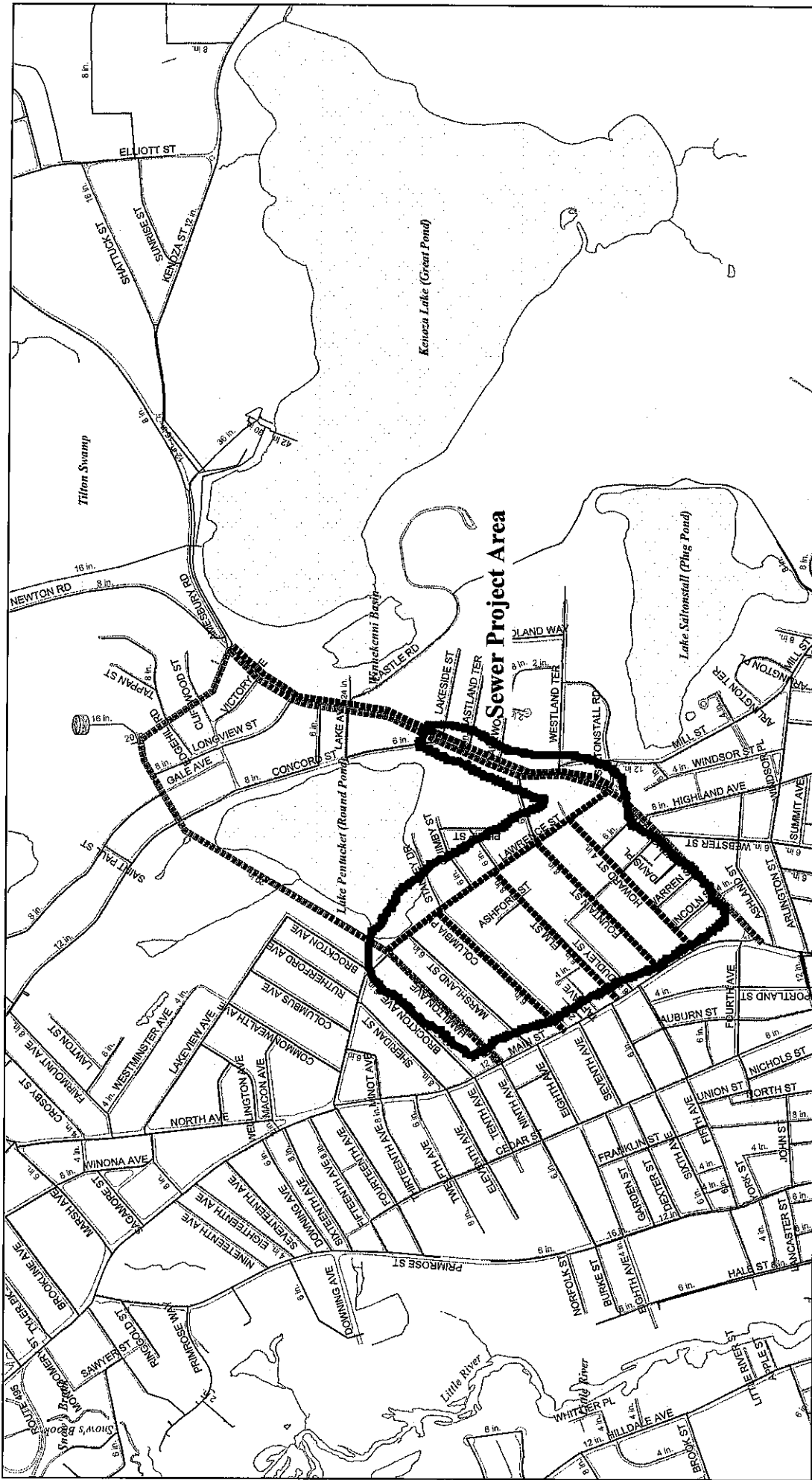
Woodard & Curran observed structural deficiencies in approximately 20% of the sewer mains inspected. The structural deficiencies include broken pipe, cracks, large holes and deformations. In some cases, structural issues were limited to an isolated area of the pipe with the remaining pipe being in good condition. Sections where structural deterioration was pronounced or where pipe rehabilitation was not practical have been recommended for replacement. Where structural issues were isolated to a small portion of the sewer reach, spot repairs were recommended.

Woodard & Curran recommends replacing upstream and downstream manholes in areas where sewer main replacement or spot repairs adjacent to manholes are recommended. Additionally, we recommend adding new sewer manholes in areas where there are no upstream, end of line manholes or where mains intersect without a manhole connection. These additional manholes will improve the City's ability to clean and inspect the collection system.

Based on our evaluation of the inspection work completed, issues in the remaining 80% of the project area can either be repaired by trenchless methods or are in good condition and require no work at this time. We recommend performing trenchless repairs under a separate project where mark-up costs from general contractors and competitive prices from contractor's specializing in trenchless repairs can be obtained.

The inspection review also identified some areas that contain non-reinforced concrete pipe. This pipe material is very brittle, has a high risk for failure and is difficult to maintain and clean without compromising the pipe's structural integrity. Areas where this pipe material was observed were also recommended for replacement. A summary of our evaluation and recommendations is provided in Table 1. The recommendations are also presented geographically in Attachment C. In total, approximately 2,000 linear feet of pipe replacement and spot repairs are recommended. We recommend budgeting \$2,200,000 for construction of the pipe replacement work recommended for inclusion in the Phase 2 – Redundant Transmission and Water Main Improvements project.

Tables and maps can be provided upon request.



Proposed Phase 2 and Phase 3 **Water Transmission Main Improvements** Phase 2 - New 36" Water Main Phase 2 - Water Main Replacement Phase 3 - Cleaning And Lining

- Legend**
- Water Tank
 - Brook; River; Stream
 - Pond; River
 - Roadway

City Of Haverhill
Engineering Division
 June, 2018

PHASE 2 TRANSMISSION MAIN IMPROVEMENTS

City of Haverhill, MA

Base Bid Engineer's Estimate - 90% Design

5-Mar-19

Item No.	Descriptions	Water		Sewer	Total Quantity	Unit Cost	Water Total Cost	Sewer Total Cost	Total Cost
		Unit	Quantity						
1.a.	24-Inch CLDI Water Main	LF	3,600	0	3,600	\$ 400.00	\$1,440,000.00	\$ -	\$ 1,440,000.00
1.b.	20-Inch CLDI Water Main	LF	100	0	100	\$ 325.00	\$ 32,500.00	\$ -	\$ 32,500.00
1.c.	12-Inch CLDI Water Main	LF	2,500	0	2,500	\$ 125.00	\$ 312,500.00	\$ -	\$ 312,500.00
1.d.	8-Inch CLDI Water Main	LF	11,500	0	11,500	\$ 95.00	\$1,092,500.00	\$ -	\$ 1,092,500.00
1.e.	6-Inch CLDI Water Main	LF	420	0	420	\$ 85.00	\$ 35,700.00	\$ -	\$ 35,700.00
1.f.	4-Inch CLDI Water Main	LF	80	0	80	\$ 75.00	\$ 6,000.00	\$ -	\$ 6,000.00
2.a.	24-Inch Gate Valve & Box	EA	8	0	8	\$ 40,000.00	\$ 320,000.00	\$ -	\$ 320,000.00
2.b.	20-Inch Gate Valve & Box	EA	8	0	8	\$ 27,500.00	\$ 220,000.00	\$ -	\$ 220,000.00
2.c.	12-Inch Gate Valve & Box	EA	15	0	15	\$ 7,500.00	\$ 112,500.00	\$ -	\$ 112,500.00
2.d.	8-Inch Gate Valve & Box	EA	56	0	56	\$ 4,500.00	\$ 252,000.00	\$ -	\$ 252,000.00
2.e.	6-Inch Gate Valve & Box	EA	35	0	35	\$ 2,500.00	\$ 87,500.00	\$ -	\$ 87,500.00
3	20-Inch Line Stop	EA	3	0	3	\$ 45,000.00	\$ 135,000.00	\$ -	\$ 135,000.00
4	24-inch preinsulated pipe	LF	20	0	20	\$ 400.00	\$ 8,000.00	\$ -	\$ 8,000.00
5	Hydrant Assembly	EA	31	0	31	\$ 5,500.00	\$ 170,500.00	\$ -	\$ 170,500.00
6	Ductile Iron Water Main Fittings	LBS	40,600	0	40,600	\$ 5.00	\$ 203,000.00	\$ -	\$ 203,000.00
7	Disinfection and Testing	LS	1	0	1	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00
8a	1" Corporation	EA	340	0	340	\$ 1,100.00	\$ 374,000.00	\$ -	\$ 374,000.00
8b	2" Corporation	EA	4	0	4	\$ 1,500.00	\$ 6,000.00	\$ -	\$ 6,000.00
8c	1" Curb Stop and Box	EA	340	0	340	\$ 600.00	\$ 204,000.00	\$ -	\$ 204,000.00
8d	2" Curb Stop and Box	EA	4	0	4	\$ 800.00	\$ 3,200.00	\$ -	\$ 3,200.00
9a	1" Copper Service Tubing	LF	10,000	0	10,000	\$ 10.00	\$ 100,000.00	\$ -	\$ 100,000.00
9b	2" Copper Service Tubing	LF	120	0	120	\$ 15.00	\$ 1,800.00	\$ -	\$ 1,800.00
10.a.	6" Bypass	LF	1,200	0	1,200	\$ 12.00	\$ 14,400.00	\$ -	\$ 14,400.00
10.b.	2" Bypass	LF	9,000	0	9,000	\$ 8.00	\$ 72,000.00	\$ -	\$ 72,000.00
11	10" Storm Drain Lateral	LF	0	20	20	\$ 350.00	\$ -	\$ 7,000.00	\$ 7,000.00
12.a.	6-Inch Gravity Sewer	LF	0	100	100	\$ 300.00	\$ -	\$ 30,000.00	\$ 30,000.00
12.b.	8-Inch Gravity Sewer	LF	0	980	980	\$ 300.00	\$ -	\$ 294,000.00	\$ 294,000.00
12.c.	10-Inch Gravity Sewer	LF	0	750	750	\$ 400.00	\$ -	\$ 300,000.00	\$ 300,000.00
12.d.	12-Inch Gravity Sewer	LF	0	500	500	\$ 450.00	\$ -	\$ 225,000.00	\$ 225,000.00
12.e.	15-Inch Gravity Sewer	LF	0	1,050	1,050	\$ 550.00	\$ -	\$ 577,500.00	\$ 577,500.00
12.f.	18-Inch Gravity Sewer	LF	0	80	80	\$ 600.00	\$ -	\$ 48,000.00	\$ 48,000.00
13	6-Inch PVC Lateral	LF	0	270	270	\$ 250.00	\$ -	\$ 67,500.00	\$ 67,500.00
14.a.	4-foot Diameter Precast Concrete Manhole Base Section	EA	0	28	28	\$ 10,000.00	\$ -	\$ 280,000.00	\$ 280,000.00
14.b.	5-foot Diameter Precast Concrete Manhole Base Section	EA	0	3	3	\$ 11,750.00	\$ -	\$ 35,250.00	\$ 35,250.00
15.a.	4-foot Diameter Precast Concrete Manhole Riser Section	VF	0	220	220	\$ 100.00	\$ -	\$ 22,000.00	\$ 22,000.00
15.b.	5-foot Diameter Precast Concrete Manhole Riser Section	VF	0	15	15	\$ 140.00	\$ -	\$ 2,100.00	\$ 2,100.00
16	26-Inch Standard Manhole Frames and Covers	EA	0	31	31	\$ 800.00	\$ -	\$ 24,800.00	\$ 24,800.00
17.a.	Unsuitable Materials Below Grade	CY	1,300	700	2,000	\$ 50.00	\$ 65,000.00	\$ 35,000.00	\$ 100,000.00
17.b.	Unsuitable Materials Above Grade	CY	2,400	700	3,100	\$ 50.00	\$ 120,000.00	\$ 35,000.00	\$ 155,000.00
17.c.	Rock and Boulder Excavation	CY	150	50	200	\$ 85.00	\$ 12,750.00	\$ 4,250.00	\$ 17,000.00
18.a.	Temporary Trench Pavement	SY	11,000	1,500	12,500	\$ 15.00	\$ 165,000.00	\$ 22,500.00	\$ 187,500.00
18.b.	Permanent Trench Pavement	SY	17,000	1,900	18,900	\$ 22.00	\$ 374,000.00	\$ 41,800.00	\$ 415,800.00
19	Additional Hot Mix Asphalt	Ton	300	50	350	\$ 100.00	\$ 30,000.00	\$ 5,000.00	\$ 35,000.00
20	In-Kind Sidewalk Replacement	SY	2,500	100	2,600	\$ 25.00	\$ 62,500.00	\$ 2,500.00	\$ 65,000.00
21	Calcium Chloride	LBS	1,820	40	1,860	\$ 1.00	\$ 1,820.00	\$ 40.00	\$ 1,860.00
22	Catch Basin Protection	EA	100	20	120	\$ 50.00	\$ 5,000.00	\$ 1,000.00	\$ 6,000.00
23	Test Pits	CY	150	50	200	\$ 20.00	\$ 3,000.00	\$ 1,000.00	\$ 4,000.00
24	3,000 PSI Concrete	CY	100	20	120	\$ 85.00	\$ 8,500.00	\$ 1,700.00	\$ 10,200.00
25	Haybales and Siltfence	LF	500	200	700	\$ 5.00	\$ 2,500.00	\$ 1,000.00	\$ 3,500.00
26	Mobilization/Demobilization	LS	0.75	0.25	1	\$ 410,000.00	\$ 307,500.00	\$ 102,500.00	\$ 410,000.00
27	Allowance for Compaction Testing	NTE	0.75	0.25	1	\$ 25,000.00	\$ 18,750.00	\$ 6,250.00	\$ 25,000.00
28	Allowance for Materials Escalation	NTE	0.75	0.25	1	\$ 45,000.00	\$ 33,750.00	\$ 11,250.00	\$ 45,000.00
							Construction	\$6,453,170.00	\$ 8,637,110.00
							10% Contingency	\$ 645,317.00	\$ 863,711.00
							Total Construction	\$7,098,487.00	\$ 9,500,821.00
							Engineering/CARI	\$ 750,000.00	\$ 970,000.00
							Police Details	\$ 838,912.10	\$ 1,122,824.30
							Total Estimated Cost	\$8,687,399.10	\$11,593,645.30

PHASE 2 TRANSMISSION MAIN IMPROVEMENTS

City of Haverhill, MA

Alternate 1 Engineer's Estimate - 90% Design

5-Mar-19

Item No.	Descriptions	Unit	Water Quantity	Sewer Quantity	Total Quantity	Unit Cost	Water Total Cost	Sewer Total Cost	Total Cost
1.a.	24-Inch CLDI Water Main	LF	0	0	0	\$ 400.00	\$ -	\$ -	\$ -
1.b.	20-Inch CLDI Water Main	LF	0	0	0	\$ 325.00	\$ -	\$ -	\$ -
1.c.	12-Inch CLDI Water Main	LF	15	0	15	\$ 125.00	\$ 1,875.00	\$ -	\$ 1,875.00
1.d.	8-Inch CLDI Water Main	LF	3000	0	3000	\$ 95.00	\$ 285,000.00	\$ -	\$ 285,000.00
1.e.	6-Inch CLDI Water Main	LF	40	0	40	\$ 85.00	\$ 3,400.00	\$ -	\$ 3,400.00
1.f.	4-Inch CLDI Water Main	LF	0	0	0	\$ 75.00	\$ -	\$ -	\$ -
2.a.	24-inch Gate Valve & Box	EA	0	0	0	\$ 40,000.00	\$ -	\$ -	\$ -
2.b.	20-inch Gate Valve & Box	EA	0	0	0	\$ 27,500.00	\$ -	\$ -	\$ -
2.c.	12-inch Gate Valve & Box	EA	2	0	2	\$ 7,500.00	\$ 15,000.00	\$ -	\$ 15,000.00
2.d.	8-inch Gate Valve & Box	EA	5	0	5	\$ 4,500.00	\$ 22,500.00	\$ -	\$ 22,500.00
2.e.	6-inch Gate Valve & Box	EA	3	0	3	\$ 2,500.00	\$ 7,500.00	\$ -	\$ 7,500.00
3	20-inch Line Stop	EA	0	0	0	\$ 45,000.00	\$ -	\$ -	\$ -
4	24-inch preinsulated pipe	LF	0	0	0	\$ 400.00	\$ -	\$ -	\$ -
5	Hydrant Assembly	EA	3	0	3	\$ 5,500.00	\$ 16,500.00	\$ -	\$ 16,500.00
6	Ductile Iron Water Main Fittings	LBS	3000	0	3000	\$ 5.00	\$ 15,000.00	\$ -	\$ 15,000.00
7	Disinfection and Testing	LS	1	0	1	\$ 40,000.00	\$ 40,000.00	\$ -	\$ 40,000.00
8a	1" Corporation	EA	45	0	45	\$ 1,100.00	\$ 49,500.00	\$ -	\$ 49,500.00
8b	2" Corporation	EA	0	0	0	\$ 1,500.00	\$ -	\$ -	\$ -
8c	1" Curb Stop and Box	EA	45	0	45	\$ 600.00	\$ 27,000.00	\$ -	\$ 27,000.00
8d	2" Curb Stop and Box	EA	0	0	0	\$ 800.00	\$ -	\$ -	\$ -
9a	1" Copper Service Tubing	LF	1000	0	1000	\$ 10.00	\$ 10,000.00	\$ -	\$ 10,000.00
9b	2" Copper Service Tubing	LF	0	0	0	\$ 15.00	\$ -	\$ -	\$ -
10.a.	6" Bypass	LF	2000	0	2000	\$ 12.00	\$ 24,000.00	\$ -	\$ 24,000.00
10.b.	2" Bypass	LF	1000	0	1000	\$ 8.00	\$ 8,000.00	\$ -	\$ 8,000.00
11	10" Storm Drain Lateral	LF	0	0	0	\$ 350.00	\$ -	\$ -	\$ -
12.a.	6-inch Gravity Sewer	LF	0	0	0	\$ 300.00	\$ -	\$ -	\$ -
12.b.	8-inch Gravity Sewer	LF	0	0	0	\$ 300.00	\$ -	\$ -	\$ -
12.c.	10-inch Gravity Sewer	LF	0	0	0	\$ 400.00	\$ -	\$ -	\$ -
12.d.	12-inch Gravity Sewer	LF	0	20	20	\$ 450.00	\$ -	\$ 9,000.00	\$ 9,000.00
12.e.	15-inch Gravity Sewer	LF	0	0	0	\$ 550.00	\$ -	\$ -	\$ -
12.f.	18-inch Gravity Sewer	LF	0	0	0	\$ 600.00	\$ -	\$ -	\$ -
13	6-inch PVC Lateral	LF	0	10	10	\$ 250.00	\$ -	\$ 2,500.00	\$ 2,500.00
14.a.	4-foot Diameter Precast Concrete Manhole Base Section	EA	0	3	3	\$ 10,000.00	\$ -	\$ 30,000.00	\$ 30,000.00
14.b.	5-foot Diameter Precast Concrete Manhole Base Section	EA	0	0	0	\$ 11,750.00	\$ -	\$ -	\$ -
15.a.	4-foot Diameter Precast Concrete Manhole Riser Section	VF	0	20	20	\$ 100.00	\$ -	\$ 2,000.00	\$ 2,000.00
15.b.	5-foot Diameter Precast Concrete Manhole Riser Section	VF	0	0	0	\$ 140.00	\$ -	\$ -	\$ -
16	26-Inch Standard Manhole Frames and Covers	EA	0	3	3	\$ 800.00	\$ -	\$ 2,400.00	\$ 2,400.00
17.a.	Unsuitable Materials Below Grade	CY	250	0	250	\$ 50.00	\$ 12,500.00	\$ -	\$ 12,500.00
17.b.	Unsuitable Materials Above Grade	CY	450	0	450	\$ 50.00	\$ 22,500.00	\$ -	\$ 22,500.00
17.c.	Rock and Boulder Excavation	CY	0	0	0	\$ 85.00	\$ -	\$ -	\$ -
18.a.	Temporary Trench Pavement	SY	1700	15	1715	\$ 15.00	\$ 25,500.00	\$ 225.00	\$ 25,725.00
18.b.	Permanent Trench Pavement	SY	600	20	620	\$ 22.00	\$ 13,200.00	\$ 440.00	\$ 13,640.00
19	Additional Hot Mix Asphalt	Ton	100	0	100	\$ 100.00	\$ 10,000.00	\$ -	\$ 10,000.00
20	In-Kind Sidewalk Replacement	SY	300	0	300	\$ 25.00	\$ 7,500.00	\$ -	\$ 7,500.00
21	Calcium Chloride	LBS	200	0	200	\$ 1.00	\$ 200.00	\$ -	\$ 200.00
22	Catch Basin Protection	EA	23	0	23	\$ 50.00	\$ 1,150.00	\$ -	\$ 1,150.00
23	Test Pits	CY	20	30	50	\$ 20.00	\$ 400.00	\$ 600.00	\$ 1,000.00
24	3,000 PSI Concrete	CY	15	0	15	\$ 85.00	\$ 1,275.00	\$ -	\$ 1,275.00
25	Haybales and Siltfence	LF	100	0	100	\$ 5.00	\$ 500.00	\$ -	\$ 500.00
26	Mobilization/Demobilization	LS	0.75	0.25	1	\$ 40,000.00	\$ 30,000.00	\$ 10,000.00	\$ 40,000.00
27	Allowance for Compaction Testing	NTE	0.75	0.25	1	\$ 5,000.00	\$ 3,750.00	\$ 1,250.00	\$ 5,000.00
28	Allowance for Materials Escalation	NTE	0.75	0.25	1	\$ 15,000.00	\$ 11,250.00	\$ 3,750.00	\$ 15,000.00
Construction							\$ 665,000.00	\$ 62,165.00	\$ 727,165.00
10% Contingency							\$ 66,500.00	\$ 6,216.50	\$ 72,716.50
Total Construction							\$ 731,500.00	\$ 68,381.50	\$ 799,881.50

City of Haverhill, Massachusetts
General Obligation Bonds, Dated June 1, 2019
\$3,000,000 Sewer System Improvements - Level Debt
Interest Estimated, Subject to Change

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
06/01/2019	-	-	-	-	-
12/01/2019	-	-	63,750.00	63,750.00	-
06/01/2020	100,000.00	4.250%	63,750.00	163,750.00	-
06/30/2020	-	-	-	-	227,500.00
12/01/2020	-	-	61,625.00	61,625.00	-
06/01/2021	105,000.00	4.250%	61,625.00	166,625.00	-
06/30/2021	-	-	-	-	228,250.00
12/01/2021	-	-	59,393.75	59,393.75	-
06/01/2022	105,000.00	4.250%	59,393.75	164,393.75	-
06/30/2022	-	-	-	-	223,787.50
12/01/2022	-	-	57,162.50	57,162.50	-
06/01/2023	110,000.00	4.250%	57,162.50	167,162.50	-
06/30/2023	-	-	-	-	224,325.00
12/01/2023	-	-	54,825.00	54,825.00	-
06/01/2024	115,000.00	4.250%	54,825.00	169,825.00	-
06/30/2024	-	-	-	-	224,650.00
12/01/2024	-	-	52,381.25	52,381.25	-
06/01/2025	120,000.00	4.250%	52,381.25	172,381.25	-
06/30/2025	-	-	-	-	224,762.50
12/01/2025	-	-	49,831.25	49,831.25	-
06/01/2026	125,000.00	4.250%	49,831.25	174,831.25	-
06/30/2026	-	-	-	-	224,682.50
12/01/2026	-	-	47,175.00	47,175.00	-
06/01/2027	130,000.00	4.250%	47,175.00	177,175.00	-
06/30/2027	-	-	-	-	224,350.00
12/01/2027	-	-	44,412.50	44,412.50	-
06/01/2028	135,000.00	4.250%	44,412.50	179,412.50	-
06/30/2028	-	-	-	-	223,825.00
12/01/2028	-	-	41,543.75	41,543.75	-
06/01/2029	145,000.00	4.250%	41,543.75	186,543.75	-
06/30/2029	-	-	-	-	228,087.50
12/01/2029	-	-	38,462.50	38,462.50	-
06/01/2030	150,000.00	4.250%	38,462.50	188,462.50	-
06/30/2030	-	-	-	-	226,925.00
12/01/2030	-	-	35,275.00	35,275.00	-
06/01/2031	155,000.00	4.250%	35,275.00	190,275.00	-
06/30/2031	-	-	-	-	225,550.00
12/01/2031	-	-	31,981.25	31,981.25	-
06/01/2032	160,000.00	4.250%	31,981.25	191,981.25	-
06/30/2032	-	-	-	-	223,962.50
12/01/2032	-	-	28,581.25	28,581.25	-
06/01/2033	170,000.00	4.250%	28,581.25	198,581.25	-
06/30/2033	-	-	-	-	227,162.50
12/01/2033	-	-	24,968.75	24,968.75	-
06/01/2034	175,000.00	4.250%	24,968.75	199,968.75	-
06/30/2034	-	-	-	-	224,937.50
12/01/2034	-	-	21,250.00	21,250.00	-
06/01/2035	185,000.00	4.250%	21,250.00	206,250.00	-
06/30/2035	-	-	-	-	227,500.00
12/01/2035	-	-	17,318.75	17,318.75	-
06/01/2036	190,000.00	4.250%	17,318.75	207,318.75	-
06/30/2036	-	-	-	-	224,637.50
12/01/2036	-	-	13,281.25	13,281.25	-
06/01/2037	200,000.00	4.250%	13,281.25	213,281.25	-
06/30/2037	-	-	-	-	226,562.50
12/01/2037	-	-	9,031.25	9,031.25	-
06/01/2038	210,000.00	4.250%	9,031.25	219,031.25	-
06/30/2038	-	-	-	-	228,062.50
12/01/2038	-	-	4,568.75	4,568.75	-
06/01/2039	215,000.00	4.250%	4,568.75	219,568.75	-
06/30/2039	-	-	-	-	224,137.50
Total	\$3,000,000.00	-	\$1,513,637.50	\$4,513,637.50	-

Yield Statistics

Bond Year Dollars.....	\$35,615.00
Average Life.....	11.872 Years
Average Coupon.....	4.2500000%
Net Interest Cost (NIC).....	4.2500000%
True Interest Cost (TIC).....	4.2500000%
Bond Yield for Arbitrage Purposes.....	4.2500000%
All Inclusive Cost (AIC).....	4.2500000%

IRS Form 8038

Net Interest Cost.....	4.2500000%
Weighted Average Maturity.....	11.872 Years

Hilltop Securities, Inc.
Public Finance

5-Year Forecast

As part of the annual financial planning process, the Wastewater Division develops a 5-year financial forecast of revenues, expenses and required rates. To assemble this forecast, the Division estimates the level of expenditures to maintain and operate the wastewater system, provide basic services and meet financial obligations. Estimates of water demands are made to calculate user rate revenues.

The user rates shown below balance revenues and expenses so reserves are not required to balance the budget. The current reserve balance is \$1,068,757 which is significantly less than the minimum of \$1.8 million. The rates shown will not increase the current reserve balance.

The 5-year forecast includes estimated debt payments to fund future projects listed on the 5-year capital plan on page 18. Debt is the largest projected budget increase (approximately \$1.6 million) over the 5 years. Many of these projects will be required under the Consent Decree.

Based on the projected rates shown below for 2018 through 2023, annual household charges for the average Haverhill household will increase from \$365/yr in FY18 to \$501/yr by FY 2023.

5-Year Forecast						
	Budget FY18	Budget Request FY19	Forecast FY20	Forecast FY21	Forecast FY22	Forecast FY23
Wastewater-Revenue						
User rate	\$4.88	\$5.23	\$5.39	\$5.69	\$6.09	\$6.70
Percent increase	13.8%	7.2%	3.1%	5.6%	7.0%	10.0%
Residential Usage	\$ (5,162,265)	\$ (5,532,508)	\$ (5,701,763)	\$ (6,019,116)	\$ (6,442,252)	\$ (7,087,535)
Commercial Usage	\$ (4,860,968)	\$ (5,209,603)	\$ (5,368,979)	\$ (5,667,809)	\$ (6,066,249)	\$ (6,673,870)
Charge for Services	\$ (825,000)	\$ (1,075,000)	\$ (1,075,000)	\$ (1,075,000)	\$ (1,075,000)	\$ (1,075,000)
Other Revenue	\$ (142,500)	\$ (142,500)	\$ (105,000)	\$ (105,000)	\$ (105,000)	\$ (107,500)
Stormwater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ (10,990,733)	\$ (11,959,611)	\$ (12,250,742)	\$ (12,866,925)	\$ (13,688,501)	\$ (14,943,905)
Wastewater-Expenditures						
Salaries-Highway	\$ 112,716	\$ 113,062	\$ 113,598	\$ 116,351	\$ 119,172	\$ 122,064
Expenses-Highway	\$ 34,000	\$ 34,000	\$ 34,680	\$ 35,374	\$ 36,081	\$ 36,803
Salaries	\$ 2,264,746	\$ 2,391,676	\$ 2,547,323	\$ 2,595,589	\$ 2,659,840	\$ 2,725,697
Benefits	\$ 1,007,289	\$ 1,028,224	\$ 1,141,632	\$ 1,257,449	\$ 1,395,068	\$ 1,550,979
Expenses	\$ 4,202,624	\$ 4,138,294	\$ 4,260,080	\$ 4,387,579	\$ 4,518,904	\$ 4,654,168
Stormwater	\$ 448,235	\$ 511,148	\$ 522,939	\$ 535,070	\$ 547,549	\$ 560,387
Debt	\$ 2,285,213	\$ 2,561,458	\$ 2,535,065	\$ 2,850,977	\$ 3,304,221	\$ 4,194,840
Insurance	\$ 90,066	\$ 94,569	\$ 99,298	\$ 104,263	\$ 109,476	\$ 114,950
Capital	\$ 549,970	\$ 1,089,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
	\$ 10,994,859	\$ 11,961,431	\$ 12,254,615	\$ 12,882,651	\$ 13,690,310	\$ 14,959,888
Surplus/(Deficit)	\$ (4,126)	\$ (1,820)	\$ (3,873)	\$ (15,726)	\$ (1,809)	\$ (15,983)

Impact to Rate Payer						
Ave. Residential Bill	\$365	\$391	\$403	\$425	\$455	\$501
Ave. Annual Increase	\$57	\$26	\$12	\$22	\$30	\$46

Average residential bill is based on usage of 60 gallons per person per day and 2.56 persons per household. This methodology is consistent with MWRA's Appendix C of their 2015 rate survey document

Wastewater 5-Year Capital Project List

Project	Estimated Project Cost	Financing Mechanism	FY19	FY20	FY21	FY22	FY23
Wastewater Treatment Plant							
Odor Control Phase II & HVAC Improvements	\$ 6,400,000	SRF Financing	\$ 6,400,000				
Bio filter rehab	\$ 110,000	Annual Capital					
Electrical System Testing	\$ 75,000	Annual Capital		\$ 25,000			\$ 25,000
Revise local limits	\$ 25,000	Annual Capital	\$ 25,000				
Replace Step Screens	\$ 500,000	Annual Capital		\$ 500,000			
Centrifuge rebuild (2)	\$ 200,000	Annual Capital					
Near Term - Secondary Treatment Improvements							
Aeration Improvements	\$ 7,300,000	SRF Financing	\$ 456,250	\$ 1,368,750	\$ 1,825,000	\$ 1,825,000	\$ 1,825,000
Electrical Improvements (w/generator)	\$ 8,000,000	SRF Financing	\$ 500,000	\$ 1,500,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
New RAS Pumps, Piping, Flow Split, Gates	\$ 1,400,000	SRF Financing	\$ 87,500	\$ 262,500	\$ 350,000	\$ 350,000	\$ 350,000
Primary Clarifiers Improvements	\$ 1,300,000	SRF Financing	\$ 81,250	\$ 243,750	\$ 325,000	\$ 325,000	\$ 325,000
Secondary Clarifier Mechanism Painting	\$ 300,000	SRF Financing	\$ 18,750	\$ 56,250	\$ 75,000	\$ 75,000	\$ 75,000
Disinfection Evaluation and Repairs	\$ 500,000	SRF Financing	\$ 25,000	\$ 100,000	\$ 175,000		
Mid Term							
Additional Plant-Wide Electrical Upgrades	\$ 5,400,000	Debt Financing					\$ 270,000
Disinfection Facility Upgrades	\$ 2,500,000	Debt Financing					\$ 125,000
Waste Activate Sludge Thickening Upgrade	\$ 1,200,000	Debt Financing					\$ 60,000
Additional Process Improvements	\$ 2,300,000	Debt Financing					\$ 115,000
Treatment Plant SCADA Improvements	\$ 1,000,000	Debt Financing		\$ 150,000	\$ 150,000	\$ 700,000	
Sewer Ejectors (2)							
Duplex Sump pump (4)	\$ 60,000	Annual Capital	\$ 60,000				
Replace Chains and flights PT #1 -3	\$ -	Annual Capital					
Valve replacement	\$ 250,000	Annual Capital	\$ 50,000	\$ 50,000		\$ 50,000	
Miscellaneous equipment	\$ 500,000	Annual Capital	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Septage screen	\$ 30,000	Annual Capital	\$ 30,000				
Building							
Dewatering Dumpster and Vehicle Garage	\$ 750,000	Debt Financing		\$ 750,000			
Repair/Replace Entry Doors	\$ 97,000	Annual Capital	\$ 22,000	\$ 25,000	\$ 25,000	\$ 25,000	
Locker Room Rehab	\$ 20,000	Annual Capital	\$ 20,000				
Miscellaneous Bldg Repairs/Renovation	\$ 300,000	Annual Capital	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Mid Term							
Admin and Process Building Conversion to HW H	\$ 2,100,000	Debt Financing					\$ 105,000
Admin and Process Building Roof Replacement	\$ 1,000,000	Debt Financing					\$ 50,000
Additional Building Improvements	\$ 3,600,000	Debt Financing					\$ 180,000
South Mill St Pumping Station							
Interior force main piping repair	\$ -	Annual Capital					
Interior force main piping replacement	\$ 3,300,000	Annual Capital	\$ 125,000	\$ 700,000	\$ 2,000,000	\$ 475,000	
Exterior force main	\$ 8,500,000	Debt Financing					\$ 125,000
Pump rehab	\$ 400,000	Debt Financing	\$ 400,000				
Replace/repair VFD's	\$ 150,000	Annual Capital	\$ 150,000				
Miscellaneous	\$ 250,000	Annual Capital	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
CSO Control Plan (3 Month)							
System Conveyance Improvements							
Clean upper siphon	\$ -	Annual Capital					
Clean lower siphon	\$ -	Annual Capital					
Clean middle siphon	\$ 175,000	Annual Capital	\$ 175,000				
Clean Middle/Essex St interceptor	\$ 275,000	Annual Capital		\$ 275,000			
Clean Bradford interceptor downstream of middle	\$ 275,000	Annual Capital			\$ 275,000		
CSO Structure Dry Weather Connector Pipe Improvement	\$ 1,000,000	Debt Financing	\$ 250,000	\$ 750,000			
Raise Middle Siphon weir	\$ 40,000	Annual Capital	\$ 40,000				
Post Construction Monitoring & System Optimization	\$ 300,000	Annual Capital	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
Green Infrastructure Demonstration Projects	\$ 500,000	SRF Financing	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Locke Street Area Preliminary Design	\$ 1,200,000	SRF Financing	\$ 300,000	\$ 900,000			
Locke Street Area Improvements	\$ 11,600,000	SRF Financing			\$ 1,000,000	\$ 1,000,000	\$ 2,400,000
Wastewater Collection System							
Miscellaneous CMOM Program Updates	\$ 445,000	Debt Financing	\$ 89,000	\$ 89,000	\$ 89,000	\$ 89,000	\$ 89,000
Gravity Sewer CCTV and SMH (\$200k/annual)	\$ 2,000,000	Debt Financing	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Sewer System Rehab to reduce I/I	\$ 6,000,000	SRF Financing	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	
CMOM program staffing or outsourcing	\$ 5,000,000		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
WW Infrastructure	\$ 1,000,000	Annual Capital	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Pumping Stations							
Upgrade pumping station alarms	\$ 124,000	Annual Capital	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	
Pumping Station Rehab abd Repair		Debt Financing	\$ 1,168,000	\$ 1,230,000	\$ 1,234,000	\$ 556,000	\$ 556,000
Vehicles & Equipment							
Vac Truck	\$ 450,000	Debt Financing	\$ 450,000				
Service trucks	\$ 45,000	Annual Capital	\$ 45,000		\$ 45,000		\$ 45,000
Computer Hardware Software							
Collection System Hydraulic Model	\$ 50,000	Annual Capital	\$ 50,000				
Stratus servers	\$ 125,000	Annual Capital					\$ 125,000
Miscellaneous							
SEP	\$ 990,000	Debt Financing	\$ 990,000				
Annual Capital			\$ 1,089,000	\$ 1,872,000	\$ 2,642,000	\$ 847,000	\$ 460,000
SRF Financing			\$ 8,718,750	\$ 5,281,250	\$ 6,600,000	\$ 6,425,000	\$ 7,075,000
Debt Financing			\$ 3,547,000	\$ 3,169,000	\$ 1,673,000	\$ 1,545,000	\$ 1,875,000
Capital Reserves			\$ -	\$ -	\$ -	\$ -	\$ -

JAMES J. FIORENTINI
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

5.2
CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
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MAYOR@CITYOFHAVERHILL.COM
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March 28, 2019

City Council President John A. Michitson and Members of the Haverhill City Council

RE: Loan Order to Fund Study, Planning, and Engineering for the Phase 3 Combined Sewer Overflow (CSO) Program

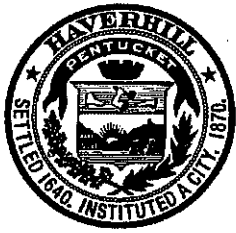
Dear Mr. President and Members of the Haverhill City Council:

Please see attached a loan order to borrow \$2.5 million, to issue bonds or notes for the City to be appropriated for financing the study, planning, and engineering of the Phase 3 Combined Sewer Overflow (CSO) Program. This order must be placed on file for 10 days. I recommend approval.

Very truly yours,

James J. Fiorentini
Mayor

JJF/lyf



Haverhill

Robert E. Ward, Deputy DPW Director
Water/Wastewater Division
Phone: 978-374-2382 Fax: 978-521-4083
rward@haverhillwater.com

Date: March 28, 2019

To: The Honorable James J. Fiorentini
Mayor of Haverhill

From: Robert E. Ward *REW*
Deputy DPW Director

Subject: Phase 3 Combined Sewer Overflow Program
Proposed Loan Order

Attached for your review and is approval a proposed loan order for \$2.5 million for funding the planning, study, and engineering of the city's Phase 3 Combined Sewer Overflow (CSO) program. In addition to information for this loan order, this memo provides information about the overall Phase 3 CSO Program.

Since 1995, the U.S. Environmental Protection Agency (EPA) and the Massachusetts Department of Environmental Protection (MassDEP) have required the city to develop and continue with a CSO program to eliminate CSOs under the EPA's CSO Control Policy and the National Pollutant Discharge Elimination System (NPDES) to achieve compliance with the Clean Water Act. The City's Phase 1 and Phase 2 CSO Programs were completed in 2006 and 2017, respectively.

The Phase 3 CSO Program is required by the Consent Decree (CD) entered November 10, 2016 in the United States District Court by the US Department of Justice on behalf of the EPA and MassDEP. The CD includes significant stipulated penalties for noncompliance. As required by the Consent Decree the City completed a Phase 3 CSO Final Long Term Control Plan (FLTCP) and submitted it to EPA and MassDEP in February 2017. In response to comments from EPA and MassDEP, the City submitted a revised plan in March 2018.

The FLTCP is based on a comprehensive system assessment and alternatives analysis and includes a variety of system improvements that will reduce the frequency and volume of CSOs. This loan order will fund planning, study and engineering tasks, not construction. Construction loan orders will be needed for the CSO Dry Weather Piping Improvements in early 2020 and for Locke Street Area work in early 2021. The estimated total cost for the Phase 3 Program is approximately \$16 million.

The Phase 3 improvements include the following:

- Middle Siphon Interceptor and Bradford Interceptor Cleaning and Inspection
- CSO Dry Weather Connector Pipe Improvements
- Post-Construction Monitoring and System Optimization
- Green Infrastructure Demonstration Project
- Locke Street Interceptor Area CSO Reduction

Approximately \$2.1 million of the work funded by this loan order is eligible for a low-interest loan from MassDEP's State Revolving Fund (SRF) loan program. The remainder of the work is not eligible for SRF funds and will be paid for using a combination of funds from this loan order and annual capital. Attached is a breakdown of the estimated costs and SRF eligible tasks.

Attached is a copy of Draft Schedule C, which is the hypothetical debt schedule for the SRF loan over a 20-year period. Payments are expected to begin in fiscal year 2022 with a payment of approximately \$154,000 each year. The annual payments for this loan not eligible for the SRF loan program will be approximately \$30,000. The impact to the user rate is \$0.07 and will cost the average household \$5 per year. The cost of this work was included in our 5-Year Forecast and 5-Year Capital Project List submitted with our FY19 Wastewater Budget.

If the loan order is acceptable to you, I would like to submit it to City Council for the April 2nd meeting so it can be placed on file and then voted on. I will attend the City Council meeting on April 16th to answer questions.

If you need additional information, please email rward@haverhillwater.com or call me at (978) 374-2382.

Attachments:

- Loan Order - For City Council approval
- Authority to File - For City Council approval
- Pages from the Phase III CSO FLTCP – Section 9, Pages 9 – 6, 9 – 12 and 9 - 14
- Project Location Maps – Figures 1, 2 and 4
- Fee and Schedule Summary
- Draft Schedule C – Annual Bond Payment Schedule
- FY19 Wastewater 5 - Year Budget Forecast
- FY19 Wastewater Capital Project List

Cc: Charles Benevento, City Auditor/Finance Director, cbenevento@cityofhaverhill.com
Alicia T. McOsker, CTP, City Treasurer, amcosker@cityofhaverhill.com
Michael Stankovich, Director of Public Works, mstankovich@cityofhaverhill.com
Carrie Prescott, Collection System Supervisor, cprescott@haverhillwater.com

5.21

AUTHORITY TO FILE

Whereas, City of Haverhill, (the "Applicant"), after thorough investigation, has determined that the work activity consisting of study, engineering, planning and construction to complete Phase 3 Combined Sewer Overflow Long-Term Control Plan and related wastewater treatment facility improvements is both in the public interest and necessary to protect the public health, and that to undertake this activity, it is necessary to apply for assistance; and

Whereas, the Massachusetts Department of Environmental Protection (the "MassDEP") and the Massachusetts Clean Water Trust (the "Trust") of the Commonwealth of Massachusetts, pursuant to Chapter 21 and Chapter 29C of the General Laws of the Commonwealth ("Chapter 21" and "Chapter 29C") are authorized to make loans to municipalities for the purpose of funding planning and construction activities relative to Water Pollution Abatement Projects; and

Whereas, the Applicant has examined the provisions of the Act, Chapter 21 and Chapter 29C, and believes it to be in the public interest to file a loan application.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Haverhill as follows:

1. That the Mayor is hereby authorized on behalf of the Applicant to file applications and execute agreements for grant and/or loan assistance as well as furnishing such information, data and documents pertaining to the applicant for a grant(s) and/or loan(s) as may be required; and otherwise to act as the authorized representative of the Applicant in connection with this application;
2. That the purpose of said loan(s), if awarded, shall be to fund construction activities.
3. That if said award is made the Applicant agrees to pay those costs which constitute the required Applicant's share of the project cost.

Maximization/CSO Structure Modifications are completed and the real-time control system is optimized.

9.3.4.2 System Conveyance Improvements

Cleaning Upper, Middle, and Lower Siphons, Middle Siphon Interceptor (from Locke St to Middle Siphon) and Bradford Interceptor (downstream of Middle Siphon) will increase capacity and improve conveyance to the south side and the WWTP. The Final LTCP relies on these system conveyance improvements. The cost to perform this system improvement is \$1,100,000.

9.3.4.3 CSO Regulator Dry Weather Connector Pipe Improvements

Modifying the downstream connector pipe to the interceptor at four CSO regulator locations will increase the amount of wet-weather flow that can be conveyed to the interceptors. The estimated project cost to complete all CSO regulator dry weather connector pipe improvements presented above is \$1,000,000.

Bethany Avenue CSO

The Bethany Avenue dry weather connector pipe, from the CSO regulator to the Lower Siphon Interceptor, needs to be replaced. The existing pipe changes in size from a 12-inch diameter pipe to an 8-inch diameter pipe and then again to a 12-inch diameter pipe. In addition, the pipe outlets from the CSO regulator via a bottom outlet configuration that frequently blinds resulting in more frequency CSOs.

Accordingly, the existing regulator will be modified with a side outlet to replace the existing bottom outlet, the weir will be raised, and the dry weather connector pipe to the Lower Siphon (380 feet) will be replaced with a new 15-inch diameter pipe. Figure 9-1 shows a schematic of the proposed modifications. These improvements will allow significantly more flow to be conveyed into the Lower Siphon Interceptor, and ultimately down to the WWTP, significantly reducing CSO discharges from the Bethany Avenue CSO.

Chestnut Street CSO

Similar to the Bethany Avenue CSO, the Chestnut Street CSO dry weather connector pipe, from the CSO regulator to the Lower Siphon Interceptor, needs to be replaced. The existing pipe size needs to be increased and the existing bottom-type pipe outlet from the CSO regulator should be replaced.

Accordingly, the existing regulator will be modified with a side outlet to replace the existing bottom outlet, the weir will be raised, and the dry weather connector pipe to the Lower Siphon (265 feet) will be replaced with a new 15-inch diameter pipe. Figure 9-2 shows a schematic of the proposed modifications. These improvements will allow significantly more flow to be conveyed into the Lower Siphon Interceptor, and ultimately down to the WWTP, significantly reducing CSO discharges from the Chestnut Street CSO.

Middlesex Street CSO

To minimize CSO discharges from the Middlesex CSO, the existing dry weather connector pipe should be replaced with an 18-inch diameter pipe to allow more flow to be conveyed to the Bradford Interceptor. Figure 9-3 shows a schematic of the proposed regulator pipe replacement.

South Webster Street CSO

The SWMM model showed that the 8-inch outlet pipe from the CSO regulator to Elmwood Avenue is undersized and is restricting flow at the regulator, causing frequent overflow from South Webster CSO. The dry weather connector pipe should be replaced with a larger 10-inch diameter pipe, extending 120 feet, which will relieve the existing flow restriction and allow more flow to be conveyed into the Bradford Interceptor. Figure 9-4 shows a schematic of the proposed pipe replacement.

9.3.4.4 CSO Regulator Weir Modification at Middle Siphon CSO

Modifying the weir elevations at the CSO regulators helps to maximize the use of the upstream pipes for in-line storage. Adding a courses of brick or concrete to increase the elevation of the existing weirs, reduces both overflow volumes and frequencies. Raising the Middle Siphon CSO weir elevation will reduce the frequency of discharges from this CSO regulator.

The cost to complete this modification is estimated at \$40,000.

9.3.4.5 Post Construction Compliance Monitoring and Wet Weather System Controls Optimization

Under the Phase II Wet Weather System Maximization and CSO Structure Modifications Project, the city is implementing its first real-time, automated, control of the CSO discharges. It will take a period of time to assess the operation of this real-time control system and to identify areas for further enhancement, in order to maximize the use of in-line storage upstream of these CSOs.

Accordingly, it is recommended that the city continually assesses the operation of the system during wet weather and make modifications periodically to improve CSO capture (Wet Weather System Controls Optimization). This will likely entail engagement of professional engineers to help the city assess the system and make periodic modifications to the system/instrumentation controls.

Concurrently, the city will maintain its existing CSO/flow monitoring program. The city has deployed flow/depth meters at each of its CSOs to help with monitoring and reporting. This complies with the USEPA requirement for Post Construction Flow Monitoring.

The city has included an allowance of \$300,000 to assist in this continual system monitoring, reporting, and improvement effort.

9.3.4.6 Green Infrastructure Projects

As discussed in Section 7, in addition to traditional wastewater infrastructure controls, the city will implement some green infrastructure demonstration project to consider green infrastructure as an alternative to reduce the quantity of stormwater entering the combined sewer system.

Twelve city-owned properties located, within the combined sewer areas were identified as potential candidate sites for green infrastructure practices (vegetated bioretention areas, porous pavements, and bioswale systems). The city intends to continue the investigation of these sites and implement some of these projects as practical and integrated with other city projects. The city is committing \$500,000 to further investigate these sites and to implement green infrastructure demonstration projects.

Haverhill understands the importance of becoming more familiar with this green approach. In addition, the city realizes that there is a significant value of green infrastructure projects in helping to increase public awareness of CSO and stormwater issues.

9.3.4.7 Locke Street Interceptor Area Preliminary Design and Improvements

To reduce CSO discharges to four times per year (3-Month control) of the Locke Street area regulators (Winter and Hale CSO, Locke Street Center Barrel CSO, and the downstream Middle Siphon CSO), the city will either separate combined sewer area and/or construct a storage facility adjacent to the Locke Street Center Barrel CSO. Section 7 provided a planning level analysis of these alternatives and costs but further analysis is required to develop a final plan for these CSO discharges. Accordingly, it is recommended that a Preliminary Design is completed to investigate and further evaluate the Locke Street Interceptor area CSO control options.

This preliminary design effort would include additional flow monitoring and modeling of the area, 10 percent design level drawings of the storage facility and pipe sizing and routes for sewer separation of the area, property assessment for the storage facility, consideration of green infrastructure benefits, identification of any required permits, and a 10 percent design level cost estimate. This additional assessment should provide the city with the best approach for control of these CSO regulators. The estimated cost of this preliminary design is \$1.2 million.





Based on this Preliminary Design, the city will implement the recommendations. It is expected that a six-year, multi-contract, approach would be most appropriate if the city elects to proceed with sewer separation of the combined service area. Adjustments to this implementation plan would be made after the Preliminary Design is completed and the final project components for system improvements is selected. A budget of \$11.6 million is included in the Final LTCP, which reflects the possible range of costs for the system improvements in the Locke Street Interceptor area.

9.3.5 Stormwater

The stormwater program includes the city's costs for compliance activities related to the current NPDES MS4 Stormwater Permit, stormwater requirements included in the CD, and anticipated costs to prepare for the 2017 MS4 Stormwater Permit. The city will have to update its Stormwater Master Plan as part of its Notice of Intent filing in 2017 for the new stormwater permit. There are also an increased number of annual stormwater report documents that have to be prepared for the CD and the new stormwater permit.

The city has initiated its Illicit Discharge Detection and Elimination Program Investigations based on the 2016 Dry Weather Stormwater/CSO Outfall Inspection Program. The city will have to continue this program, which requires a very comprehensive system investigation and sampling approach to identify the illicit sources of stormwater system pollution. The city is also budgeting about \$2 million in anticipated costs to make sewer or storm system repairs, as necessary, over the next six years to remove illicit connections. The city has already identified one illicit connection, a leaky sewer system, that may cost as much as \$500,000 already to remove the potential stormwater system pollutant source.

Aerial photo provided by Esri.
Utility data from the City of Haverhill.
Road data from MassDOT.

-  Bradford Interceptor
-  Middle Siphon Interceptor
- Gravity Sewers**
 -  Combined Sewer
 -  Sanitary Sewer

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0 250 500 1,000 1,500 Feet

Task 1 - Middle Siphon and Bradford Interceptor Cleaning and Inspecting Haverhill, MA

PROJ NO:

T12170

DATE:




1/21/2019

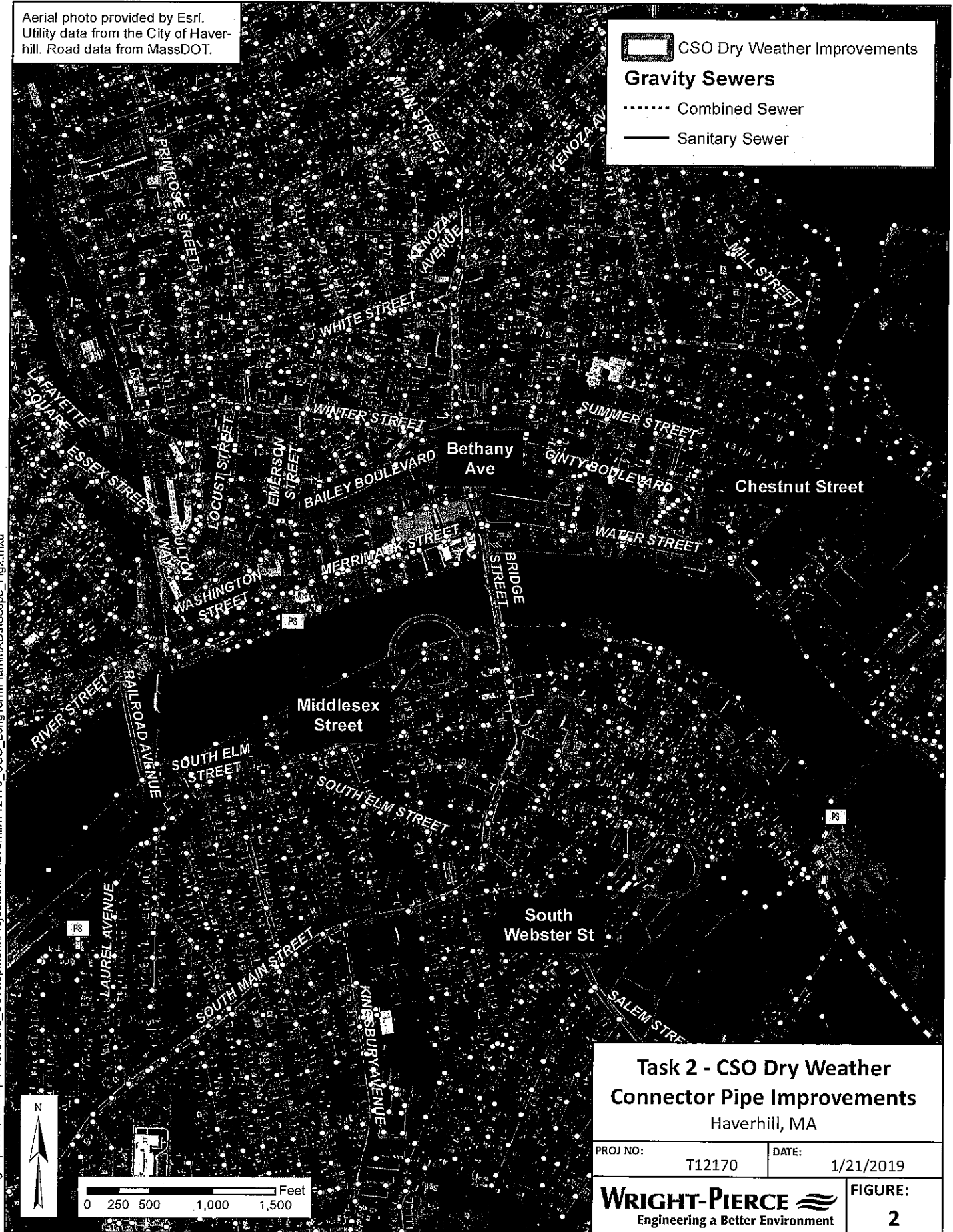
WRIGHT-PIERCE 
Engineering a Better Environment

FIGURE:

1

Aerial photo provided by Esri.
Utility data from the City of Haverhill.
Road data from MassDOT.

-  CSO Dry Weather Improvements
- Gravity Sewers**
-  Combined Sewer
 -  Sanitary Sewer



**Task 2 - CSO Dry Weather
Connector Pipe Improvements**
Haverhill, MA

PROJ NO:	T12170	DATE:	1/21/2019
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WRIGHT-PIERCE 
Engineering a Better Environment

FIGURE:
2

Aerial photo provided by Esri.
Utility data from the City of Haverhill.
Road data from MassDOT.

- Locke Street Sewer Area
- Gravity Sewers**
- Combined Sewer
- Sanitary Sewer

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0 250 500 1,000 1,500 Feet

Task 5 - Locke Street Interceptor Area Haverhill, MA

PROJ NO:	T12170	DATE:	1/11/2019
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Engineering a Better Environment

FIGURE:
4

Fee and Schedule Summary for Professional Engineering Services for the Combined Sewer Overflow Final Long-Term Control Plan

The table below shows the proposed fee for each task as described in the scope of services.

Task	Labor Hours	Labor Fee	Expenses	Subs	Allowances	Total
1 – Middle Siphon Bradford Interceptors Cleaning & Inspection	675	\$83,000	\$5,600	\$174,000	\$31,500	\$294,100
2 - CSO Dry Weather Pipe Improvements	1,276	\$173,600	\$9,800	\$46,600	\$44,100	\$274,000
3 – Post-Construction Analysis, System Optimization, And Siphon Ventilation Study	328	\$49,300	\$700	\$0	\$235,000	\$285,000
4 - Green Infrastructure Demonstration Project	746	\$112,100	\$7,900	\$61,200	\$13,500	\$194,900
5 - Locke Street Interceptor Area CSO Reduction	4,684	\$600,900	\$45,500	\$710,600	\$193,000	\$1,550,000
Total	7,709	\$1,018,900	\$69,500	\$992,400	\$517,100	\$2,598,000

The table below is a summary of which tasks and phases are SRF eligible.

Task	SRF/Non SRF	Value	Comments
1 – Middle Siphon Bradford Interceptors Cleaning and Inspection	Non SRF	\$294,100	SRF would delay work and difficulty finding qualified M/WBE subcontractors
2 - CSO Dry Weather Pipe Improvements			
A. Study/PDR	SRF	\$167,300	Would require new PEF in August
B. Design	Non SRF	\$106,700	Design ineligible
3 – Post-Construction Analysis, System Optimization, and Siphon Ventilation Study	SRF	\$285,000	Would require new PEF in August
4 - Green Infrastructure Demonstration Project			
A. Study/PDR	SRF	\$139,400	Would require new PEF in August
B. Design	Non SRF	\$55,500	Design ineligible
5 - Locke Street Interceptor Area CSO Reduction			
A. Study/PDR	SRF	\$1,550,000	Eligible through current Planning PEF/Draft IUP

The table below shows the proposed schedule for each task as described in the scope of services.

Task	Start Date	End Date	Duration (mo)
1 – Middle Siphon Bradford Interceptors Cleaning and Inspection	April 2019	November 2019	8
2 - CSO Dry Weather Pipe Improvements	April 2019	February 2020	11
3 – Post-Construction Analysis, System Optimization, and Siphon Ventilation Study	April 2019	January 2022	34
4 - Green Infrastructure Demonstration Project	July 2019	December 2020	17
5 - Locke Street Interceptor Area CSO Reduction	April 2019	January 2021	22

Draft Schedule C

Prepared by MWPAT

Feb, 12 2019 - 9:54 AM

Massachusetts Clean Water Trust Preliminary Structuring Analysis City of Haverhill

Initial Loan Amount 2,500,000.00
Principal Forgiveness*
Net Loan Obligation 2,500,000.00

Loan Origination Fee (\$5.5/1000) 13,750.00
Loan Term (in years) 20
Loan Rate 2.00%
Closing Date 8/15/2020
First Interest 1/15/2021
First Principal 7/15/2021

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
8/15/2020							
1/15/2021		20,833.33	20,833.33	1,875.00	13,750.00	36,458.33	36,458.33
7/15/2021	101,128.00	25,000.00	126,128.00	1,875.00		128,003.00	
1/15/2022		23,988.72	23,988.72	1,799.15		25,787.87	153,790.87
7/15/2022	103,325.00	23,988.72	127,313.72	1,799.15		129,112.87	
1/15/2023		22,955.47	22,955.47	1,721.66		24,677.13	153,790.00
7/15/2023	105,571.00	22,955.47	128,526.47	1,721.66		130,248.13	
1/15/2024		21,899.76	21,899.76	1,642.48		23,542.24	153,790.37
7/15/2024	107,865.00	21,899.76	129,764.76	1,642.48		131,407.24	
1/15/2025		20,821.11	20,821.11	1,561.58		22,382.69	153,789.94
7/15/2025	110,210.00	20,821.11	131,031.11	1,561.58		132,592.69	
1/15/2026		19,719.01	19,719.01	1,478.93		21,197.94	153,790.83
7/15/2026	112,605.00	19,719.01	132,324.01	1,478.93		133,802.94	
1/15/2027		18,592.96	18,592.96	1,394.47		19,987.43	153,790.37
7/15/2027	115,052.00	18,592.96	133,644.96	1,394.47		135,039.43	
1/15/2028		17,442.44	17,442.44	1,308.18		18,750.62	153,790.06
7/15/2028	117,553.00	17,442.44	134,995.44	1,308.18		136,303.62	
1/15/2029		16,266.91	16,266.91	1,220.02		17,486.93	153,790.55
7/15/2029	120,108.00	16,266.91	136,374.91	1,220.02		137,594.93	
1/15/2030		15,065.83	15,065.83	1,129.94		16,195.77	153,790.70
7/15/2030	122,718.00	15,065.83	137,783.83	1,129.94		138,913.77	
1/15/2031		13,838.65	13,838.65	1,037.90		14,876.55	153,790.32
7/15/2031	125,385.00	13,838.65	139,223.65	1,037.90		140,261.55	
1/15/2032		12,584.80	12,584.80	943.86		13,528.66	153,790.21
7/15/2032	128,110.00	12,584.80	140,694.80	943.86		141,638.66	
1/15/2033		11,303.70	11,303.70	847.78		12,151.48	153,790.14
7/15/2033	130,895.00	11,303.70	142,198.70	847.78		143,046.48	
1/15/2034		9,994.75	9,994.75	749.61		10,744.36	153,790.83
7/15/2034	133,739.00	9,994.75	143,733.75	749.61		144,483.36	
1/15/2035		8,657.36	8,657.36	649.30		9,306.66	153,790.02
7/15/2035	136,646.00	8,657.36	145,303.36	649.30		145,952.66	
1/15/2036		7,290.90	7,290.90	546.82		7,837.72	153,790.38
7/15/2036	139,616.00	7,290.90	146,906.90	546.82		147,453.72	
1/15/2037		5,894.74	5,894.74	442.11		6,336.85	153,790.56
7/15/2037	142,650.00	5,894.74	148,544.74	442.11		148,986.85	
1/15/2038		4,468.24	4,468.24	335.12		4,803.36	153,790.20
7/15/2038	145,751.00	4,468.24	150,219.24	335.12		150,554.36	
1/15/2039		3,010.73	3,010.73	225.80		3,236.53	153,790.89
7/15/2039	148,918.00	3,010.73	151,928.73	225.80		152,154.53	
1/15/2040		1,521.55	1,521.55	114.12		1,635.67	153,790.20
7/15/2040	152,155.00	1,521.55	153,676.55	114.12		153,790.67	
1/15/2041							153,790.67
	2,500,000.00	556,468.59	3,056,468.59	42,047.64	13,750.00	3,112,266.24	3,112,266.24

Notes:

*This project may qualify for principal forgiveness in accordance with schedule B to the Financing Agreement. Principal forgiveness shown on this schedule is an estimate, and is not a guarantee.

5-Year Forecast

As part of the annual financial planning process, the Wastewater Division develops a 5-year financial forecast of revenues, expenses and required rates. To assemble this forecast, the Division estimates the level of expenditures to maintain and operate the wastewater system, provide basic services and meet financial obligations. Estimates of water demands are made to calculate user rate revenues.

The user rates shown below balance revenues and expenses so reserves are not required to balance the budget. The current reserve balance is \$1,068,757 which is significantly less than the minimum of \$1.8 million. The rates shown will not increase the current reserve balance.

The 5-year forecast includes estimated debt payments to fund future projects listed on the 5-year capital plan on page 18. Debt is the largest projected budget increase (approximately \$1.6 million) over the 5 years. Many of these projects will be required under the Consent Decree.

Based on the projected rates shown below for 2018 through 2023, annual household charges for the average Haverhill household will increase from \$365/yr in FY18 to \$501/yr by FY 2023.

5-Year Forecast						
	Budget FY18	Budget Request FY19	Forecast FY20	Forecast FY21	Forecast FY22	Forecast FY23
Wastewater-Revenue						
User rate	\$4.88	\$5.23	\$5.39	\$5.69	\$6.09	\$6.70
Percent increase	13.8%	7.2%	3.1%	5.6%	7.0%	10.0%
Residential Usage	\$ (5,162,265)	\$ (5,532,508)	\$ (5,701,763)	\$ (6,019,116)	\$ (6,442,252)	\$ (7,087,535)
Commercial Usage	\$ (4,860,968)	\$ (5,209,603)	\$ (5,368,979)	\$ (5,667,809)	\$ (6,066,249)	\$ (6,673,870)
Charge for Services	\$ (825,000)	\$ (1,075,000)	\$ (1,075,000)	\$ (1,075,000)	\$ (1,075,000)	\$ (1,075,000)
Other Revenue	\$ (142,500)	\$ (142,500)	\$ (105,000)	\$ (105,000)	\$ (105,000)	\$ (107,500)
Stormwater	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ (10,990,733)	\$ (11,959,611)	\$ (12,250,742)	\$ (12,866,925)	\$ (13,688,501)	\$ (14,943,905)
Wastewater-Expenditures						
Salaries-Highway	\$ 112,716	\$ 113,062	\$ 113,598	\$ 116,351	\$ 119,172	\$ 122,064
Expenses-Highway	\$ 34,000	\$ 34,000	\$ 34,680	\$ 35,374	\$ 36,081	\$ 36,803
Salaries	\$ 2,264,746	\$ 2,391,676	\$ 2,547,323	\$ 2,595,589	\$ 2,659,840	\$ 2,725,697
Benefits	\$ 1,007,289	\$ 1,028,224	\$ 1,141,632	\$ 1,257,449	\$ 1,395,068	\$ 1,550,979
Expenses	\$ 4,202,624	\$ 4,138,294	\$ 4,260,080	\$ 4,387,579	\$ 4,518,904	\$ 4,654,168
Stormwater	\$ 448,235	\$ 511,148	\$ 522,939	\$ 535,070	\$ 547,549	\$ 560,387
Debt	\$ 2,285,213	\$ 2,561,458	\$ 2,535,065	\$ 2,850,977	\$ 3,304,221	\$ 4,194,840
Insurance	\$ 90,066	\$ 94,569	\$ 99,298	\$ 104,263	\$ 109,476	\$ 114,950
Capital	\$ 549,970	\$ 1,089,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
	\$ 10,994,859	\$ 11,961,431	\$ 12,254,615	\$ 12,882,651	\$ 13,690,310	\$ 14,959,888
Surplus/(Deficit)	\$ (4,126)	\$ (1,820)	\$ (3,873)	\$ (15,726)	\$ (1,809)	\$ (15,983)

Impact to Rate Payer						
Ave. Residential Bill	\$365	\$391	\$403	\$425	\$455	\$501
Ave. Annual Increase	\$57	\$26	\$12	\$22	\$30	\$46

Average residential bill is based on usage of 60 gallons per person per day and 2.56 persons per household. This methodology is consistent with MWRA's Appendix C of their 2015 rate survey document

Wastewater 5-Year Capital Project List

Project	Estimated Project Cost	Financing Mechanism	FY19	FY20	FY21	FY22	FY23
Wastewater Treatment Plant							
Odor Control Phase II & HVAC Improvements	\$ 6,400,000	SRF Financing	\$ 6,400,000				
Bio filter rehab	\$ 110,000	Annual Capital					
Electrical System Testing	\$ 75,000	Annual Capital		\$ 25,000			\$ 25,000
Revise local limits	\$ 25,000	Annual Capital	\$ 25,000				
Replace Step Screens	\$ 500,000	Annual Capital		\$ 500,000			
Centrifuge rebuild (2)	\$ 200,000	Annual Capital					
Near Term - Secondary Treatment Improvements							
Aeration Improvements	\$ 7,300,000	SRF Financing	\$ 456,250	\$ 1,368,750	\$ 1,825,000	\$ 1,825,000	\$ 1,825,000
Electrical Improvements (w/generator)	\$ 8,000,000	SRF Financing	\$ 500,000	\$ 1,500,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
New RAS Pumps, Piping, Flow Split, Gates	\$ 1,400,000	SRF Financing	\$ 87,500	\$ 262,500	\$ 350,000	\$ 350,000	\$ 350,000
Primary Clarifiers Improvements	\$ 1,300,000	SRF Financing	\$ 81,250	\$ 243,750	\$ 325,000	\$ 325,000	\$ 325,000
Secondary Clarifier Mechanism Painting	\$ 300,000	SRF Financing	\$ 18,750	\$ 56,250	\$ 75,000	\$ 75,000	\$ 75,000
Disinfection Evaluation and Repairs	\$ 500,000	SRF Financing	\$ 25,000	\$ 100,000	\$ 175,000		
Mid Term							
Additional Plant-Wide Electrical Upgrades	\$ 5,400,000	Debt Financing					\$ 270,000
Disinfection Facility Upgrades	\$ 2,500,000	Debt Financing					\$ 125,000
Waste Activate Sludge Thickening Upgrade	\$ 1,200,000	Debt Financing					\$ 60,000
Additional Process Improvements	\$ 2,300,000	Debt Financing					\$ 115,000
Treatment Plant SCADA Improvements	\$ 1,000,000	Debt Financing		\$ 150,000	\$ 150,000	\$ 700,000	
Sewer Ejectors (2)							
Duplex Sump pump (4)	\$ 60,000	Annual Capital	\$ 60,000				
Replace Chains and flights PT #1 -3	\$ -	Annual Capital					
Valve replacement	\$ 250,000	Annual Capital	\$ 50,000	\$ 50,000		\$ 50,000	
Miscellaneous equipment	\$ 500,000	Annual Capital	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Septage screen	\$ 30,000	Annual Capital	\$ 30,000				
Building							
Dewatering Dumpster and Vehicle Garage	\$ 750,000	Debt Financing		\$ 750,000			
Repair/Replace Entry Doors	\$ 97,000	Annual Capital	\$ 22,000	\$ 25,000	\$ 25,000	\$ 25,000	
Locker Room Rehab	\$ 20,000	Annual Capital	\$ 20,000				
Miscellaneous Bldg Repairs/Renovation	\$ 300,000	Annual Capital	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Mid Term							
Admin and Process Building Conversion to HW H	\$ 2,100,000	Debt Financing					\$ 105,000
Admin and Process Building Roof Replacement	\$ 1,000,000	Debt Financing					\$ 50,000
Additional Building Improvements	\$ 3,600,000	Debt Financing					\$ 180,000
South Mill St Pumping Station							
Interior force main piping repair	\$ -	Annual Capital					
Interior force main piping replacement	\$ 3,300,000	Annual Capital	\$ 125,000	\$ 700,000	\$ 2,000,000	\$ 475,000	
Exterior force main	\$ 8,500,000	Debt Financing					\$ 125,000
Pump rehab	\$ 400,000	Debt Financing	\$ 400,000				
Replace/repair VFD's		Annual Capital	\$ 150,000				
Miscellaneous	\$ 250,000	Annual Capital	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
CSO Control Plan (3 Month)							
System Conveyance Improvements							
Clean upper siphon	\$ -	Annual Capital					
Clean lower siphon	\$ -	Annual Capital					
Clean middle siphon	\$ 175,000	Annual Capital	\$ 175,000				
Clean Middle/Essex St interceptor	\$ 275,000	Annual Capital		\$ 275,000			
Clean Bradford Interceptor downstream of middle	\$ 275,000	Annual Capital			\$ 275,000		
CSO Structure Dry Weather Connector Pipe Improvement	\$ 1,000,000	Debt Financing	\$ 250,000	\$ 750,000			
Raise Middle Siphon weir	\$ 40,000	Annual Capital	\$ 40,000				
Post Construction Monitoring & System Optimization	\$ 300,000	Annual Capital	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
Green Infrastructure Demonstration Projects	\$ 500,000	SRF Financing	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Locke Street Area Preliminary Design	\$ 1,200,000	SRF Financing	\$ 300,000	\$ 900,000			
Locke Street Area Improvements	\$ 11,600,000	SRF Financing			\$ 1,000,000	\$ 1,000,000	\$ 2,400,000
Wastewater Collection System							
Miscellaneous CMOM Program Updates	\$ 445,000	Debt Financing	\$ 89,000	\$ 89,000	\$ 89,000	\$ 89,000	\$ 89,000
Gravity Sewer CCTV and SMH (\$200k/annual)	\$ 2,000,000	Debt Financing	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Sewer System Rehab to reduce I/I	\$ 6,000,000	SRF Financing	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
CMOM program staffing or outsourcing	\$ 5,000,000		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
WW Infrastructure	\$ 1,000,000	Annual Capital	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Pumping Stations							
Upgrade pumping station alarms	\$ 124,000	Annual Capital	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	
Pumping Station Rehab abd Repair		Debt Financing	\$ 1,168,000	\$ 1,230,000	\$ 1,234,000	\$ 556,000	\$ 556,000
Vehicles & Equipment							
Vac Truck	\$ 450,000	Debt Financing	\$ 450,000				
Service Trucks	\$ 45,000	Annual Capital	\$ 45,000		\$ 45,000		\$ 45,000
Computer Hardware Software							
Collection System Hydraulic Model	\$ 50,000	Annual Capital	\$ 50,000				
Stratus servers	\$ 125,000	Annual Capital					\$ 125,000
Miscellaneous							
SEP	\$ 990,000	Debt Financing	\$ 990,000				
Annual Capital			\$ 1,089,000	\$ 1,872,000	\$ 2,642,000	\$ 847,000	\$ 460,000
SRF Financing			\$ 8,718,750	\$ 5,281,250	\$ 6,600,000	\$ 6,425,000	\$ 7,075,000
Debt Financing			\$ 3,547,000	\$ 3,169,000	\$ 1,673,000	\$ 1,545,000	\$ 1,875,000
Capital Reserves			\$ -	\$ -	\$ -	\$ -	\$ -

File 10 days

5.2.2



DOCUMENT

CITY OF HAVERHILL

In Municipal Council

ORDERED:

That \$2,500,000 is appropriated, for the purpose of financing study, engineering, planning and construction to complete the Phase 3 Combined Sewer Overflow (CSO) Program without limitation all costs thereof as defined in Section 1 of Chapter 29C of the General Laws, as amended; that to meet this appropriation the Treasurer with the approval of the Mayor is authorized to borrow \$2,500,000 and issue bonds or notes therefore under Chapter 44 of the General Laws, or pursuant to any other enabling authority; that such bonds or notes shall be general obligations of the City unless the Treasurer with the approval of the Mayor, determines that they should be issued as limited obligations and may be secured by local system revenues as defined in Section 1 of Chapter 29C of the General Laws, that the Treasurer with the approval of the Mayor is authorized to borrow all or a portion of such amount from the Massachusetts Clean Water Trust established pursuant to Chapter 29C of the General Laws; and in connection therewith to enter into a financing agreement and/or security agreement with the Trust and otherwise to contract with the Trust and the Department of Environmental Protection with respect to such loan and for any federal or state aid available for the project or for the financing thereof; that the Mayor is authorized to enter into a project regulatory agreement with Department of Environmental Protection, to expend all funds available for the project and to take any other action necessary to carry out the project. Any premium received upon the sale of any bonds or notes approved by this order, less any such premium applied to the payment of the costs of issuance of such bonds or notes, may be applied to the payment of costs approved by this vote in accordance with Chapter 44, Section 20 of the General Laws, thereby reducing the amount authorized to be borrowed to pay such costs by a like amount. The Treasurer is authorized to file an application with the appropriate officials of The Commonwealth of Massachusetts (the "Commonwealth") to qualify under Chapter 44A of the General Laws any and all bonds of the City authorized by this order, and to provide such information and execute such documents as such officials of the Commonwealth may require in connection therewith.



JAMES J. FIORENTINI
MAYOR

**CITY OF HAVERHILL
MASSACHUSETTS**

53
CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
FAX 978-373-7544
MAYOR@CITYOFHAVERHILL.COM
WWW.CI.HAVERHILL.MA.US

March 29, 2019

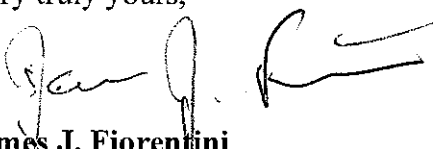
City Council President John A. Michitson and Members of the Haverhill City Council

RE: Salary Ordinance & MOA submission

Dear Mr. President and Members of the Haverhill City Council:

Please find attached a Salary Ordinance and a Memorandum of Agreement (MOA) between the City of Haverhill and the Teamsters Animal Control/Police Mechanics/Police Craftsman-Custodian/Building Custodian Union Group. I recommend approval.

Very truly yours,


James J. Fiorentini
Mayor

JJF/lyf



Haverhill

Human Resources Department, Room 306

Phone: (978) 374-2357 Fax: (978) 374-2343

Denise McClanahan, HR Director – dmccclanahan@cityofhaverhill.com

Sheila Pelczar, HR Technician – spelczar@cityofhaverhill.com

TO: Mayor James J. Fiorentini
FROM: Denise McClanahan, HR Director
DATE: March 28, 2019
RE: Salary Ordinance & MOA submission

Attached please find the ordinance and Memorandum of Agreement for the Teamsters Animal Control/Police Mechanics/Police Craftsman-Custodian/Building Custodian Union Group as a result of their recent negotiations. Please submit these documents to the next City Council meeting for action.

dIm

TO: MAYOR JAMES J. FIORENTINI
FROM: Denise McClanahan, HR Director
DATE: 3/28/2019
RE: COLLECTIVE BARGAINING FINANCIAL DISCLOSURE

NAME OF CONTRACT OR GROUP: Animal Control Officer, etc Group
CONTRACT PERIOD: July 1, 2017 to June 30, 2019

% INCREASE FOR EACH CONTRACT YEAR:

Year 1 1.75 % Year 2 2 % Year 3 n/a %

COST OF COLA FOR EACH FISCAL YEAR OF CONTRACT:

Year 1 – FY <u>18</u>	Cost amount	<u>\$3,330.24</u>
Year 2 – FY <u>19</u>	Cost amount	<u>\$3,872.59</u>
Year 3 – FY <u>n/a</u>	Cost amount	<u>-</u>

ADDITIONAL COSTS

(i.e., OT, Hazardous Duty, Professional Development, Clothing Allowance, Holiday Pay, etc.)

Approx OT cost FY 18 - \$397.38

Approx OT cost FY 19 - \$462.09

Tool Allowance increase FY 19 - \$50

New step scale for Animal Control – FY 19 \$5,242.91

What is the percentage increase that these extras add to the budget? Approx 2.5%

UNION CONCESSIONS: _____

TOTAL COST OF PROPOSED COLLECTIVE BARGAINING AGREEMENT: \$13,355.21

Total salary budget for this group: Current-\$213,356.36

Percent increase in salary budget: 6.26% over two years

Are there any other groups or individuals that would be directly affected by this budget? No

What would be the effect? _____

Are there any other known implications to this contract? _____

Yes No

Funds are appropriated

☒ ☐

Where funds are located

Account #: 101.0000.1.0946.5101 – Salary Reserve

Yes No

Funds need appropriation by council

☐ ☒

Where funds to come from

Account #: Click or tap here to enter text.

Auditors Office



HR Dept

Department Head

53

Memorandum of Agreement

Between

THE CITY OF HAVERHILL and THE ANIMAL CONTROL OFFICERS/POLICE MECHANICS/POLICE
CRAFTSMAN-CUSTODIAN/BUILDING CUSTODIAN GROUP – Teamsters Local #170

Two-year contract:

July 1, 2017 to June 30, 2018

July 1, 2018 to June 30, 2019

Wages

Amend Article VII: WAGES AND PRIVATE PAID DETAILS:

1.75% salary increase effective 7-1-2017

2% salary increase effective 7-1-2018

Effective 7/1/18 drop Step 1 and add two new steps 3 & 4 to the Sr. Animal Control Officer and Animal Control Officer wage scales as **per attached ordinance**. It is agreed that the Sr. Animal Control Officer and Animal Control Officer positions shall move to step 3 effective 7/1/18 and to step 4 effective 1/1/19.

Tool Allowance

Article VII: WAGES AND PRIVATE PAID DETAILS:

Effective 7/1/18 amend Tool Allowance section for Police Mechanic position as follows:

Increase yearly tool allowance amount from \$350 to \$400 per year.

Holiday language

Article XII: HOLIDAYS

Effective upon ratification - Add new section regarding Christmas holiday hours: In each year where December 24th (Christmas Eve) falls on a regularly scheduled work day, employees will be released from work at 12:00pm (noon) and all released employees shall receive a full day's pay. If the 24th does not fall on a regularly scheduled work day, then the above does not apply. The employer reserves the right to require employees to work from 12pm (noon) to 4pm should there be an emergency as declared by the mayor. If the employer requires any employees to work from 12pm (noon) to 4pm on December 24th, said employee shall receive three hours of compensatory time to be used within the following 12 months.

Agency fee language

Amend Article II: UNION SECURITY

Remove all language and in its place insert the following:

All present employees who are members of the Union on the effective date of this Agreement shall remain members in good standing for the term of this Agreement subject to Section 1 below.

Section I. Agency Shop Clause: Membership in the Local Union is not compulsory. Employees have the right to join, not join, maintain or drop their membership in the Local Union, as they see fit. Neither party shall exert any pressure on or discriminate against any employee as regards such matters.

Membership in the Local Union is separate, apart and distinct from the assumption by one of his/her equal obligation to the extent that he/she receives equal benefits. The Local Union is required under this Agreement to represent all of the employees in the bargaining unit fairly and in Accordance with GL Chapter 150 E as amended equally without regards to whether or not an employee is a member of the Local Union. The terms of this Agreement have been made for all employees in the bargaining unit and not only for members in the Local Union, and this Agreement has been executed by the Employer after it has satisfied itself that the Local Union is the choice of a majority of the employees in the bargaining unit.

Payment of dues for present employees shall commence thirty-one (31) days following the effective date or on the date of execution of this Agreement, whichever is the later, and for new employees, the payment shall start thirty-one (31) days following the date of employment.

New England Teamsters Federal Credit Union language

Article II: UNION SECURITY

Add new section with the following language:

The City agrees to deduct a certain specific amount each week from the wages of those employees who shall have given the City written authorization to make such deductions. The amount so deducted shall be remitted to the New England Teamsters Federal Credit Union once each month. The City shall not make deductions and shall not be responsible for remittance to the Credit Union for any deduction for those weeks during which the employee has no earnings or in those weeks in which the employee's earnings shall be less than the amount authorized for deductions. The Union agrees that it will indemnify and hold the City and its agents harmless from any claim, action, omission or proceeding by any employee arising from deductions made by the City under this Article.

It shall be the sole responsibility of the Credit Union/employee to provide the City with the information on deductions and will not hold the City responsible for any issues arising from information not being provided.

DRIVE language

Article II: UNION SECURITY

Add new section with the following language:

The City agrees to deduct from the paycheck of all employees covered by this Agreement voluntary contributions to DRIVE. DRIVE shall notify the City of the amount designated by each contributing employee that are to be deducted from his/her paycheck on a weekly basis for all weeks worked. The City shall transmit to DRIVE National Headquarters on a monthly basis, in one (1) check the total amount deducted along with the name of each employee on whose behalf the deduction is made, the employee's social security number and the amount deducted from the employee's check.

Any official of the International or Local Union shall be permitted reasonable access to the City's premises for the purpose of discussing DRIVE participation on the premises provided such access shall not interfere with the conduct of the City's business.

Article XI: SICK AND BEREAVEMENT LEAVE Section 16 – Furlough Days

Remove Section 16 in its entirety

All language regarding furlough time will be removed.

CONTRACT

Remove all language regarding the Sr. Conservation Officer job title and Conservation Officer job title from contract and salary scale.

Rename contract group to ANIMAL CONTROL OFFICERS/POLICE MECHANICS/POLICE CRAFTSMAN-CUSTODIAN/BUILDING CUSTODIAN GROUP

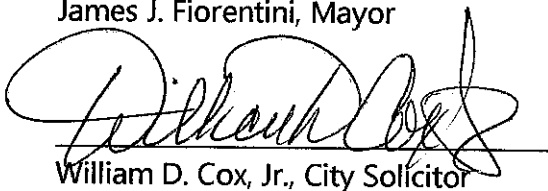
Consolidated MOAs and contract

Integrated contract to be completed

All **remaining** terms and conditions of the current CBA **not altered as per above** shall remain in full force and effect. This agreement is subject to ratification by the Union and appropriation by the City Council.

Date: _____

James J. Fiorentini, Mayor


William D. Cox, Jr., City Solicitor


James Marks, Teamsters Business Agent

Shop Steward



DOCUMENT

CITY OF HAVERHILL

In Municipal Council

File 10 days

513.1

ORDERED:

MUNICIPAL ORDINANCE
AN ORDINANCE RELATING TO SALARIES

CHAPTER
ANIMAL CONTROL OFFICERS, POLICE MECHANICS
(ME REPAIRMEN), POLICE BUILDING MAINTENANCE
CRAFTSMEN/CUSTODIAN AND PUBLIC PROPERTY
BUILDING CUSTODIAN GROUP

BE IT ORDAINED by the City Council of the City of Haverhill that Document 12-BB of 2017 is hereby amended as follows:

Effective 7/1/17 1.75%	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Senior Animal Control Officer	\$ 666.01	\$ 703.11			
Animal Control Officer	\$ 581.37	\$ 618.46			
Police Mechanics (Motor Equipment Repairmen)	\$ 18.86	\$ 20.22	\$ 21.47	\$ 22.66	
Police Bldg Mtnce Craftsperson/Custodian	\$ 714.56	\$ 757.43			
Custodian	\$ 686.81	\$ 712.25	\$ 737.69	\$ 763.13	\$ 785.51

Effective 7/1/18 2%	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Senior Animal Control Officer		\$ 717.18			
Animal Control Officer		\$ 630.83			
Police Mechanics (Motor Equipment Repairmen)	\$ 19.23	\$ 20.62	\$ 21.90	\$ 23.11	
Police Bldg Mtnce Craftsperson/Custodian	\$ 728.85	\$ 772.58			
Custodian	\$ 700.55	\$ 726.50	\$ 752.44	\$ 778.39	\$ 801.22

Effective 7/1/18 add the following steps to the Senior Animal Control Officer and Animal Control Officer positions:

	STEP 3	STEP 4
Senior Animal Control Officer	\$ 738.69	\$ 800.80
Animal Control Officer	\$ 649.76	\$ 709.20

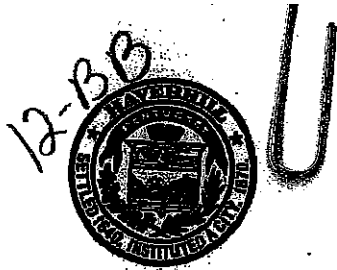
It is agreed that the Sr. Animal Control Officer and Animal Control Officer positions shall move to Step 3 on 7/1/18 and shall move to step 4 on 1/1/19.

Effective 7/1/18 Article VII: Wages and Private Paid Details:

Amend Tool Allowance section for Police Mechanic position as follows:
Increase yearly tool allowance amount from \$350 to \$400 per year.

Approved as to legality:

City Solicitor



FOR BACK UP

REFERENCE ONLY
Haverhill

DOCUMENT 12-BB

CITY OF HAVERHILL

In Municipal Council March 28 2017

ORDERED:

MUNICIPAL ORDINANCE
AN ORDINANCE RELATING TO SALARIES

CHAPTER
CONSERVATION OFFICERS, DOG OFFICERS,
POLICE MECHANICS (ME REPAIRMEN), POLICE
BUILDING MAINTENANCE CRAFTSMEN/CUSTODIAN
AND PUBLIC PROPERTY BUILDING CUSTODIAN GROUP

BE IT ORDAINED by the City Council of the City of Haverhill that Document 2-H of 2015 is hereby amended as follows:

EFFECTIVE 7/1/2016 1.75%

	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Senior Conservation Officer	\$ 1,068.17	\$ 1,136.36			
Conservation Officer	\$ 916.20	\$ 974.68			
Senior Animal Control Officer	\$ 654.55	\$ 691.02			
Animal Control Officer	\$ 571.37	\$ 607.83			
Police Mechanics (Motor Equipment Repairmen)	\$ 18.53	\$ 19.87	\$ 21.10	\$ 22.27	
Police Bldg Mtnc Craftsperson/Custodian	\$ 702.27	\$ 744.41			
Custodian	\$ 675.00	\$ 700.00	\$ 725.00	\$ 750.00	\$ 772.00

Approved as to legality:


City Solicitor

PLACED ON FILE FOR at least 10 days

Attest:

City Clerk

IN CITY COUNCIL: April 11 2017

PASSED

Attest:

City Clerk

APPROVED:


Mayor



DOCUMENT

CITY OF HAVERHILL

In Municipal Council

13.1

~~ORDINANCE~~

MUNICIPAL ORDINANCE

CHAPTER

(455 Washington Street Apt. #1-ESTABLISH Handicapped Parking)

BE IT ORDAINED by the City Council of the City of Haverhill that Article XIII, Section 240-1302 Schedule B: Parking Restrictions and Prohibitions of the Haverhill City Code, as amended be further amended by ESTABLISHING the following:

LOCATION	REGULATION	HOURS/DAYS
----------	------------	------------

455 Washington Street Apt. #1	No Parking	24 Hours
-------------------------------	------------	----------

In front of No. 455
Washington Street Apt. #1
Except for One
24 hour handicap
parking space at
#455 Washington Street Apt. #1

APPROVED as to legality:

City Solicitor



Haverhill

Economic Development & Planning
Phone: 978-374-2330 Fax: 978-374-2315
wpillsbury@cityofhaverhill.com

March 27, 2019

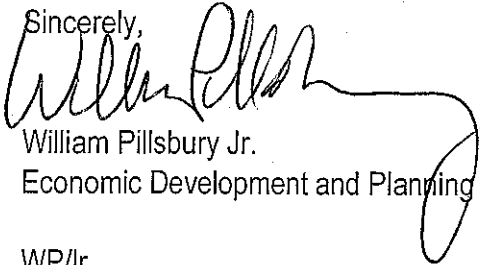
Mr. John A. Michitson, Council President
City Council Members
City Hall – Room #204
City of Haverhill

Re: ESTABLISHMENT OF HANDICAP PARKING – 455 Washington Street - Apt. #1.

Dear Council President & Councilors:

As per your request dated, March 27, 2019, I am submitting a Municipal Ordinance that will allow for handicap parking in front of 455 Washington Street-Apt. #1.

Sincerely,



William Pillsbury Jr.
Economic Development and Planning Director

WP/lr

4 Summer Street
Haverhill, MA 01830
Phone: (978) 374-2312
Fax: (978) 373-8490

Fax

Add Handicap Parking

To: KATIE - GAZETTE From: MARIA BEVILACQUA
City Clerk's Office

Fax: 978-685-2432 Date: *March 28 2019*

Phone: 978-946-2157 Pages: *2*

re: *Legal AD-455 Washingtonist* CC:

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

*Hi Katie -
please run next week!
as usual*

*Thanks!
Maria*

978-420-3624

CITY COUNCIL

JOHN A. MICHITSON
PRESIDENT
THOMAS J. SULLIVAN
VICE PRESIDENT
JOSEPH J. BEVILACQUA
MELINDA E. BARRETT
COLIN F. LEPAGE
TIMOTHY J. JORDAN
WILLIAM J. MACEK
MARY ELLEN DALY O'BRIEN
MICHAEL S. MCGONAGLE



CITY OF HAVERHILL
HAVERHILL, MASSACHUSETTS 01830-5843

15.1

CITY HALL, ROOM 204
4 SUMMER STREET
TELEPHONE: 978 374-2328
FACSIMILE: 978 374-2329
www.haverhillma.gov
citycncl@cityofhaverhill.com

March 25, 2019

TO: Linda Koutoulas
City Clerk

RE: Cancellation of City Council Meeting – April 16, 2019

The City Council meeting scheduled for April 16, 2019 at 7:00PM in the Theodore Pelosi, Jr., City Council Chambers has been cancelled.

Sincerely,

John A. Michitson, President
Haverhill City Council

CITY COUNCIL

JOHN A. MICHITSON
PRESIDENT
THOMAS J. SULLIVAN
VICE PRESIDENT
JOSEPH J. BEVILACQUA
MELINDA E. BARRETT
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MICHAEL S. MCGONAGLE



CITY OF HAVERHILL
HAVERHILL, MASSACHUSETTS 01830-5843

1512

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4 SUMMER STREET
TELEPHONE: 978 374-2328
FACSIMILE: 978 374-2329
www.haverhillma.gov
citycncl@cityofhaverhill.com

March 27, 2019

TO: Mr. President and Members of the City Council:

Councillor Mary Ellen Daly O'Brien would like to introduce Joan Parah, Program Director, Rebuilding Together Greater Haverhill, Inc. to discuss the annual event scheduled for April 27th, and the waiving of permit and dumping fees for disposal of white goods, tires and leaves relative to the program.

Mary Ellen Daly O'Brien
City Councillor Mary Ellen Daly O'Brien



To: City Council President, John Michitson

From: Joan Parah, Program Director

Dated: March 25, 2019

RE: Rebuilding Together Greater Haverhill, Inc. /Annual Rebuilding Day Program

Dear Council President Michitson,

On behalf of Rebuilding Together Greater Haverhill, Inc., board of directors, volunteers and homeowners we serve, we are announcing our annual Rebuilding Together Day on Saturday, April 27, 2019. We have gathered volunteers on the last Saturday in April for the last twenty-six years to perform much needed repairs, modifications, and improvements to low-income homeowners. As in the past, the purpose of a representative of Rebuilding Together coming before the Council is to request **1)** the endorsement of the City Council for our 27th year (First Rebuilding Together Day was in 1993); **2)** invite all of the elected city officials and the members of the community to participate in the event; **3)** the waiving of permit and dumping fees for disposal of white goods (appliances), tires and leaves, relative to the program; **4)** the city yard to remain open beyond regular hours so we can deliver yard waste and **5)** if approved, notifying the City of Haverhill, Public Works and Health & Inspection departments of the Council's action to ensure full cooperation. We will provide a list of approved Rebuilding Together projects and addresses.

Each year we coordinate a community Rebuilding Day that over 100 volunteers participate in making repairs and modifications to nearly fifteen homes of those in greatest need. The event creates an opportunity for local companies and organizations to come together with members of the community to help their neighbors. The logistics of directing volunteers to each location efficiently is always a challenge. In addition to government grants, we receive foundation funding from local and national corporations, like Lowes, Sears Holdings, and local foundations and service organizations, like the George C. Wadleigh Foundation, and the Griffin-White Foundation, whose mission is to ensure the quality of life for all Haverhill citizens. The "heart" of our organization is the volunteers and smaller local businesses that donate their skills, time, building materials, supplies, food and beverages.

Please go to our web site: www.RebuildingTogetherHaverhill.org for more information about our programs and to view our many participating and supporting organizations and community groups. Anyone wishing to volunteer can register at the website as well. We thank you for your interest and we hope to continue a partnership that is beneficial and rewarding to meet the mission of our organization, the City of Haverhill and community.

Sincerely,

Joan Parah, Program Director

Email: rthaverhill@outlook.com

Website: www.rebuildingtogetherhaverhill.org

Address: 10 Phoenix Row, Haverhill, MA 01832

Phone: 978-469-0800

Fax: 978-469-0833

Find us on Facebook as well

CITY COUNCIL

JOHN A. MICHITSON

PRESIDENT

THOMAS J. SULLIVAN

VICE PRESIDENT

JOSEPH J. BEVILACQUA

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MICHAEL S. MCGONAGLE



CITY OF HAVERHILL

HAVERHILL, MASSACHUSETTS 01830-5843

15.3

CITY HALL, ROOM 204

4 SUMMER STREET

TELEPHONE: 978 374-2328

FACSIMILE: 978 374-2329

www.haverhillma.gov

citycncl@cityofhaverhill.com

March 25, 2019

TO: Mr. President and Members of the City Council:

Councillor Joseph Bevilacqua requests discussion regarding construction vehicle parking in Washington Street Historic District lots and on street parking.

Joseph Bevilacqua
City Councillor Joseph Bevilacqua

CITY COUNCIL

JOHN A. MICHITSON
PRESIDENT
THOMAS J. SULLIVAN
VICE PRESIDENT
JOSEPH J. BEVILACQUA
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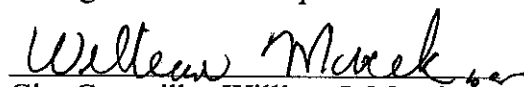
CITY OF HAVERHILL
HAVERHILL, MASSACHUSETTS 01830-5843

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CITY HALL, ROOM 204
4 SUMMER STREET
TELEPHONE: 978 374-2328
FACSIMILE: 978 374-2329
www.haverhillma.gov
citycncl@cityofhaverhill.com

March 29, 2019

TO: Mr. President and Members of the City Council:

Councillor Macek asks for a discussion relative to sending to the Planning and Development Committee a request to set up a meeting with City Engineer John Pettis and State DOT personnel to go over the current plans for this year's reconstruction of Main Street from City Hall through Monument Square.


City Councillor William J. Macek

CITY COUNCIL

JOHN A. MICHITSON
PRESIDENT
THOMAS J. SULLIVAN
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CITY OF HAVERHILL
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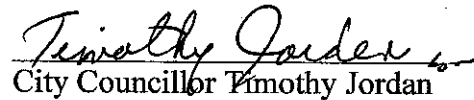
15.5
CITY HALL, ROOM 204
4 SUMMER STREET
TELEPHONE: 978 374-2328
FACSIMILE: 978 374-2329
www.haverhillma.gov
citycncl@cityofhaverhill.com

March 28, 2019

TO: Mr. President and Members of the City Council:

Councillors LePage and Jordan request to present an update on school facilities as discussed at the recent Joint Facilities Subcommittee meeting.


City Councillor Colin LePage


City Councillor Timothy Jordan



CITY OF HAVERHILL
HAVERHILL, MASSACHUSETTS 01830-5843

CITY COUNCIL

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TIMOTHY J. JORDAN
WILLIAM J. MACEK
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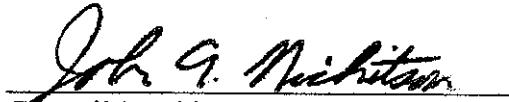
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March 22, 2019

TO: Members of the City Council:

Council President Michitson would like to discuss the status of Haverhill's large retirement debt and associated action plan.


Council President John A. Michitson

IN CITY COUNCIL: March 26 2019

POSTPONE TO APRIL 2 2019

Attest:

City Clerk

CITY COUNCIL

JOHN A. MICHITSON
PRESIDENT
 THOMAS J. SULLIVAN
VICE PRESIDENT
 JOSEPH J. BEVILACQUA
 MELINDA E. BARRETT
 COLIN F. LEPAGE
 TIMOTHY J. JORDAN
 WILLIAM J. MACEK
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CITY OF HAVERHILL
 HAVERHILL, MASSACHUSETTS 01830-5843

DOCUMENTS REFERRED TO COMMITTEE STUDY

38-F	Communication from Councillors Barrett and LePage requesting to discuss double poles in the City	A & F 9/6/16, 11/31/16, 1/17/17, 5/11/17, 10/24/17 3/6/19	3/15/16
38-W	Communication from Councillor Barrett requesting to give an update on response from MBTA/Keolis & US EPA about idling trains in Bradford	Citizen Outreach 4/5/16 1/31/17	
26E	City of Haverhill – Mayor’s Recommendations, Capital Improvement Program – 2016-2020	A & F 11/3/16, 5/11/2017, 7/25/17, 2/15/18 3/6/19	5/31/16
10-B	Communication from President Michitson asking to request from Mayor status of facility improvements to public buildings and parks to comply with American w/ Disabilities Act (ADA)	Citizen Outreach 1/31/17, 8/15/17 1/3/17	
10-U	Communication from President Michitson requesting discussion on next steps to provide comprehensive long range plan for Haverhill	Citizen Outreach 1/31/17 8/15/17	1/31/17
58-G	Communication from President Michitson requesting to present an update on the meeting with group homes stakeholders to address severe problems in Haverhill	Public Safety 5/2/17	5/2/17
7-M	Communication from Councillor Daly O’Brien re: street parking change after storms by providing alternate street parking the night after storm to improve plowing & clearing in inner city streets	Citizen Outreach 1/16/18	
38-D	Communication from Councillors Sullivan and Barrett requesting an update on City’s emergency management plan and status of working generators in all public building in City	Public Safety 3/20/18 1/23/19	
82	Ordinance re: Vehicles & Traffic – Amend Ch. 240-108, Article XVI, Central Business District Parking – Fees, Rate and Terms	A & F 7/10/18	
8-B	Ordinance re: Vehicles & Traffic – Amend Ch. 240-108, Article XVI, Central Business District Parking – Chart	A & F 7/10/18	
93-L	Communication from President Michitson requesting to introduce Dave Labrode to discuss street tree plantings	NRPP 8/7/18 2/28/19	
2-C	Ordinance re: Vehicles & Traffic; Central Business District Parking Fees Rates and Terms	A & F 8/21/18	
93-W	Communication from Councillor Sullivan and Bevilacqua request to discuss possibility of entering into an agreement with Lorraine Post 29 VFW to rehab and lease Clement Farm House located at 1314 Main St., Haverhill	NRPP 9/11/18 2/28/19	
107-N	Communication from Councillor Macek requesting to discuss Micro-paving	Public Safety 9/25/18	
121-H	Communication from Councillor Bevilacqua requesting to introduce discussion re: Haverhill Youth Soccer with David Lefcourt, Pres. & Edward Felker, Chair Field Committee	NRPP 12/4/18 2/28/19	

DOCUMENTS REFERRED TO COMMITTEE STUDY (cont.)

13-N	Communication from Councillor LePage requesting a discussion regarding Rules & Regulations of the City Council	A&F	1/29/19 3/6/19
20-B	Communication from Mayor Fiorentini submitting the Haverhill Public Library Parking Study Draft Technical Report	P & D	3/12/19
38-G	Communication from President Michitson requesting to provide update on broadband needs & competition to lower TV costs for resident and stimulate economic development	P & D	3/12/19
38-I	Communication from Councillor Macek to refer City's Ch. 255 – Zoning, Article XVIII, Solar Energy Systems, Sec. 255-185 thru 255-194 to Administration & Finance Committee	A & F	3/12/19
13-V	Communication from Councillor Daly O'Brien to discuss information needed by City Council When their approval is required to accept new employee contracts, measures to avoid contractual catastrophes	A & F	3/12/19
13-Y	Communication from Councillor LePage to discuss accounting of revenue funds received from Licensed Marijuana establishments & their allocation to mitigate costs and impacts to city	A&F	3/12/19
38-J	Communication from Councillor Macek requesting a discussion about reserve parking spaces at City Hall designated for Registry of Motor Vehicles	NRPP	3/19/19
38-K	Communication from Councillor Macek requesting to discuss solar panels on proposed commercial buildings	A&F	3/19/19