

City of
Fitchburg



Department of
Public Works

**301 Broad Street
Fitchburg, MA 01420
Phone: 978-829-1900**

DPW Weekly Update May 25 – May 31, 2020

Dear Mayor, Councilors, and Colleagues;

Last week, the City of Fitchburg completed its land protection project involving the Jewell Hill property (part of Crocker Farm) in Fitchburg, Ashby, and Ashburnham. The Conservation Restrictions (CRs) held by the City of Fitchburg on this 300-acre property were recorded, forever protecting this property from development or any harmful land activities. The City of Fitchburg Conservation Commission and Water Division partnered with the Trustees of Reservations as well as the Town of Ashburnham to protect this highly desirable and valuable property within the watershed to Fitchburg's northern water supply reservoirs (Fitchburg Reservoir in Ashby and Lovell Reservoir in Fitchburg). Through this partnership, which allowed the City to leverage State grants as well as donations, the City was able to protect the entire 300 acres at a cost of less than \$45,000 - a tremendous accomplishment given the value of this property.

In the last 10 years more than 800 acres of land in the northern watershed area has been protected, for a total of almost 2,700 acres of watershed land preserved either through ownership or conservation restrictions held by the City. Most of the monies used for purchase or conservation of these watershed properties have come from State grants applied for by the City or donations.

During this time, the City has also been able to protect an additional 243 acres in its southern watershed, which include areas surrounding Meetinghouse, Mare Meadow, Bickford, and Wachusett Reservoirs in the towns of Hubbardston, Princeton, and Westminster. These properties were protected (through purchase of the property or purchase of a conservation restriction) through a federal grant (Forest Legacy program) which provided almost 100% reimbursement of the acquisition costs.

Sincerely,

John Deline
Deputy Commissioner of Water Supply



Figure 1 - Aerial View of Jewell Hill Farm

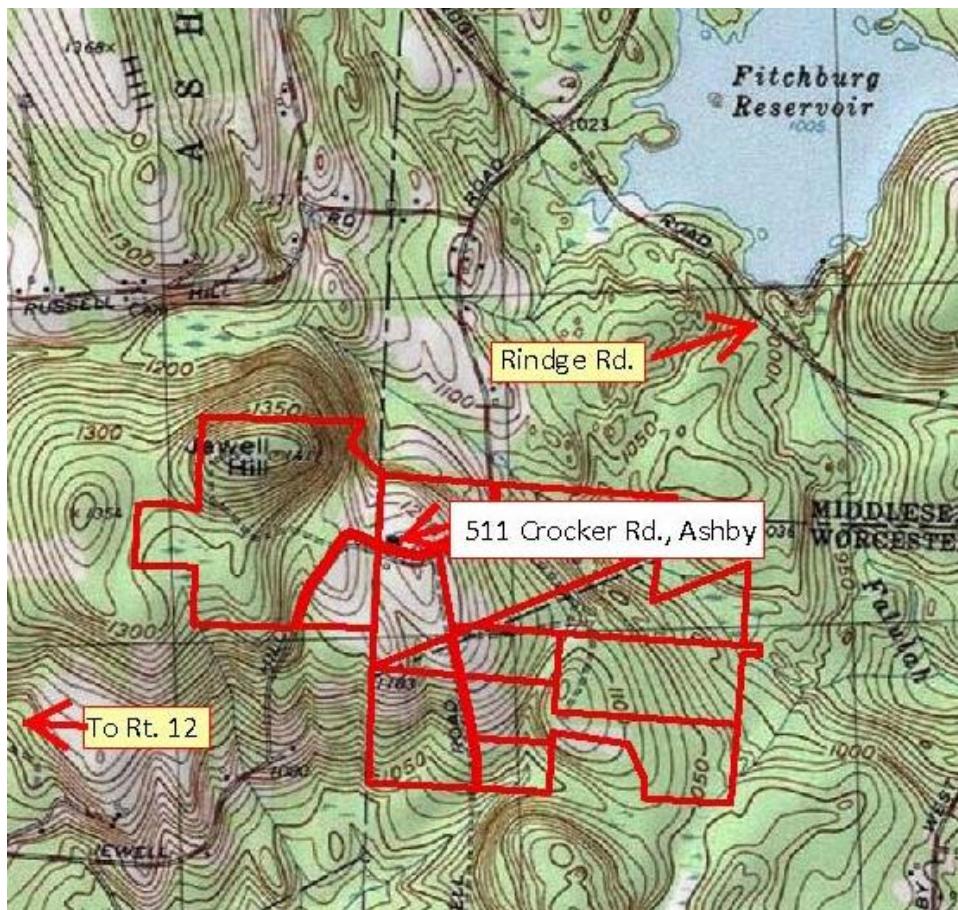
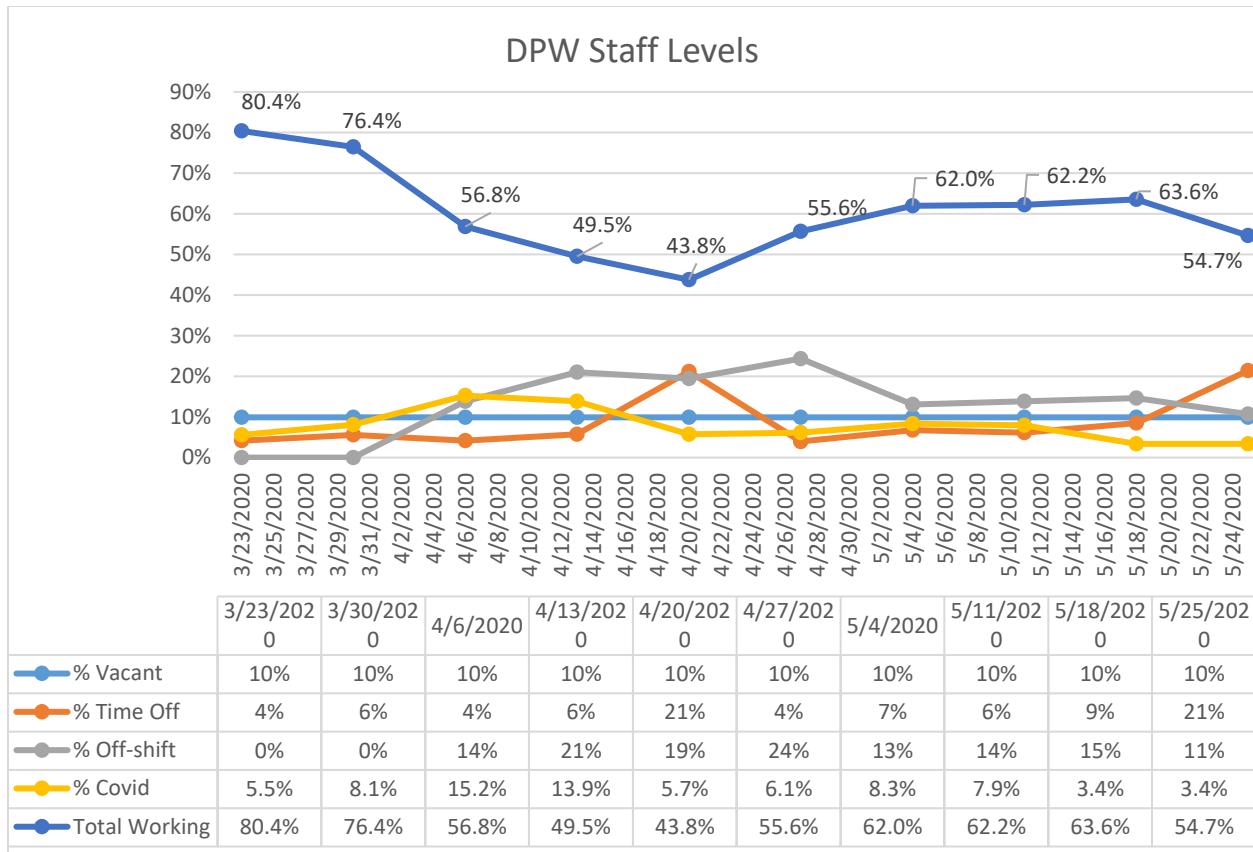


Figure 2 - Jewell Hill Farm Parcel Location

DPW STAFFING

DPW Staffing levels for the past week were at 54.7% due to vacancies and Memorial Day holiday. We are also without the inmates or seasonal hires that help to augment our workforce and aid in the landscaping work. The wastewater treatment plant operators continued to work on a 1-week on/2-weeks off rotation where operators take turn living at the plant 24/7 in an effort to reduce COVID-19 risks.



DPW continues to have a high vacancy rate (10%) with 10 open positions across multiple divisions and one Workers Comp extended absence:

Position	Division	Last Date Worked	Working Days Lost
Assistant City Engineer	Engineering	1/6/20**	106
DPW Clerk	Streets	3/13/20	57
Dispatcher	Streets	10/26/19	156
Working Foreman	Streets	7/7/19	236
HSMEO	Streets	9/7/18**	452
Mechanic	Streets	9/7/18*	452
Laborer	Parks	1/6/20	106
General Foreman - Collections	Wastewater	3/8/18	583
Head Water Meter Reader	Water	2/18/20	75
Water Distribution HSMEO	Water	7/19/16*	1010
Water Distribution LMEO	Water	12/20/19	117
		Total Man-days lost	3350

STREETS DIVISION
Gary Withington - Superintendent

DPW continued to respond to service requests in a timely manner through the [SeeClickFix](#) program. In the past two weeks DPW received 83 new requests and closed 86 requests. The total outstanding requests backlog is now 334, an decrease of 3 from the previous reporting period. This is pothole season and over half of new requests are for potholes with stormdrains coming in second.

Reporting Period 5/18/20 - 5/31/20		Previous Period	Change
Previous Request Backlog	337		
New Requests	83	74	9
Completed Requests	86	41	45
Total Request Backlog	334	337	-3
Potholes	148	143	5
Storm Drains	70	80	-10
Tree & Brush Pruning	12	17	-5
Traffic, Signals, Signs	3	4	-1
Berm Repairs	19	17	2
All other categories	82	76	6
New Requests	83	74	9
Acknowledged	60	69	-9
Completed & Closed	15	3	12
Open	68	71	-3

The weather last week was warm and dry.

	Saturday 5/23	Sunday 5/24	Monday 5/25	Tuesday 5/26	Wednesday 5/27	Thursday 5/28	Friday 5/29
Rain (in)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hi/Lo Temp (F)	45/66	43/64	48/66	61/81	61/82	63/73	66/75

Sources: <https://www.cocorahs.org/ViewData/ListDailyPrecipReports.aspx> (STA MA-WR-22)
<https://www.timeanddate.com/weather/@4936825/historic>

Potholes

Pothole patching efforts continued during the week at various locations, including the following:

- Ashburnham Hill Road,
- Industrial Road,
- Kimball Street.
- Princeton Road,
- Stevens Road,
- Walnut Street,

Traffic

Continued painting crosswalks and stop lines on Mechanic Street.

Stormwater

Continued rebuilding two catch basins at Fairmount and Plymouth Street.

Miscellaneous

Repaired fences and cleaned up trash on Crescent Street and Granite Street.

Switched out banners and flags on Main Street.

Picked up trash on:

- 46 Development Road,
- 527 Ashburnham Hill Road,
- Authority Drive,
- Rollstone Road,
- Fifth Mass Turnpike,
- Main Street,
- Pleasant Street

Sidewalks

Crews continued working on the crosswalks along Franklin Road across Shadow Drive, Reingold Avenue, and the exit driveway from the school. Old sidewalks were demolished, granite curbing was set and ADA ramps were formed.

PARKS DIVISION AND RECREATION DEPARTMENT

Nate LaRose – Recreation Director

Park Crews continued cleaning up trash from parks and Main Street.

Continued mowing grass on various parks and islands.

Started preparing Parkhill splash park for the summer season.

All City playgrounds, dog parks, and public bathrooms in parks are closed to the public until the COVID-19 state of emergency is lifted.

Per order of the Health Director, basketball courts are closed and rims have been boarded over.

CEMETERIES DIVISION
Jaquelyn Poirier - Superintendent

The Cemetery crew continued to clean, mow, and maintain the cemetery grounds. In addition to routine maintenance and administration tasks, the following were completed:

Full Interments	2
Inurnments.....	0
Up righted monuments.....	0
Uncovered/cleaned flat monuments.....	0
Foundation marking for monuments.....	4
Catch basin repair	0
Trimmed Trees	0
Trimmed shrubs.....	0
Meeting with Families.....	14
Payments - invoiced/processed.....	0
Family Genealogy	6

ENGINEERING DIVISION
Nicholas Erickson – Civil Engineer

Administrative

- Attended the Central Massachusetts Stormwater Coalition Steering Committee Meeting via conference call. Our DPW Civil Engineer, Nick Erickson, sits on the Steering Committee.
- Attended monthly Wastewater Project Update Meeting via conference call. One key topic of discussion included the upcoming sewer separation project in the Water Street, Walnut Street, and Clarendon Street neighborhoods, which will be going out to bid this summer. DPW Engineering plans to submit an MVP Action Grant application to obtain funding to upsize the stormwater system in these areas to be able to handle the projected runoff amounts from the year 2070 10-year, 24-hour design storm. This will ensure the stormwater system in these areas has adequate resilience to address climate change predictions and avoid additional drainage work in this area well into the future.
- Held call with Dr. Ralph Baker of the Nashua River Watershed Association to discuss providing DPW Engineering with letters of support on two upcoming MVP Action grant applications. The first project, as described above, will consist of upsizing the stormwater system within the areas of combined sewer separation to be able to handle projected runoff amounts from the year 2070 10-year design storm. This will address both urban flooding and resulting water quality issues. The second project consists of the engineering design of green infrastructure improvements along John Fitch Highway. This will serve three goals: reduce stormwater runoff to address flooding issues along Baker Brook and improve water quality; improve pedestrian access along this corridor by slowing traffic and creating safe crossing points; and improve the overall aesthetics of the area, which currently has the feel of a “sea” of asphalt.

- Held call with Samiotes Consultants, Inc. to discuss questions on the design of sewer and drainage improvements in the Green Acres housing development off of Water Street. Samiotes is performing the engineering design of these upgrades for the MA Department of Housing and Community Development and Fitchburg Housing Authority.
- Obtained letters of support for the two MVP Action Grants above from the Conservation Commission Chairperson, Tracy Betts-Sarefield. The Conservation Commission has been a supportive ally of DPW Engineering for all efforts to reduce flooding, improve water quality, and enhance the built and natural environments throughout the City of Fitchburg.
- Investigated sidewalk ownership on Canton @ Valley St. Overlaid street layouts with FHA plans to demonstrate city ownership of sidewalks within 40' wide right-of-ways.
- Received new ANR from Planning board. ANR plan will be edited in GIS tax parcel layer for state tax map compliance.

Road Construction

- Assisted Colliers and Bond with design and adjustments of the sidewalk in front of City Hall.



Figure 3 - City Hall Sidewalk Construction

- Performed four days of construction oversight for road reconstruction on Berkley, Lenox, Garfield, and Richmond Streets. Over the past two months the City's contractor (PJ Albert) has performed various drain and sewer upgrades, lowered frames and covers/grates, pulverized the existing pavement, applied calcium to firm up the subgrade, graded and compacted the roadway, paved a 2" binder course of pavement, installed berm and curbing, raised frames and covers/grates, and made sidewalk improvements. This week PJ Albert saw cut joints at streets and driveways, paved the top wearing course of pavement, installed driveway aprons, and paved two small sections of sidewalk along Garfield and Berkley Streets.
- Met with resident at 36 Berkley Street to discuss adding a driveway apron for his motor home.

- Corresponded with a resident at 34 Berkley Street who had a sewer service backup at his property following road reconstruction in the neighborhood. Provided the resident with a claims form and followed up with the Mayor's office.



Figure 4 - Final Paving of Berkley Street

Dig Safe

- Performed Dig-Safe mark-out for sanitary sewer service at 113 Pearl Hill Road.

Permits, Site Visits & Inspections

- Conducted a site visit to 35 Otis St. Provided a street layout plan and marked out the approximate street line along the frontage of the parcel. Provided list of land surveyors for full property line survey.
- Conducted daily site visits and inspections of Utili trench restorations in the Cleghorn area (4 site visits total). S.Fors Construction has been paving binder flush to top of trenches and Utili will have the trenches milled and overlaid with 1.5" of top wearing course.
- Conducted multiple daily site visits to Neuco worksites in the Cleghorn neighborhood to inspect trench backfilling (8 inspections total).
- Inspected Water Dept. paving on Pelham drive.
- Contacted driveway permit applicant to review options for 70 Snow St. The property currently does not meet the requirements to be issued a curb-cut permit.
- Provided two days of construction oversight and inspections for installation of handicap ramps by DPW crews at various locations on Franklin Road.

Engineering Services			
	Type	Number	Fees
PERMITS	Street Occupation Permits (No Fee)	0	n/a
	Trench Permits (\$75)	2	\$150
	Excavation/Street Opening Permits (\$250/\$350)	7	\$ 1,500*
	Driveway/Curb Cut Permits (No Fee)	1	n/a
	Sign Permits (No Fee)	0	n/a
	Sewer Permits (See Ch. 149 for Fees)	0	\$0
INSPECTIONS	Driveway Inspections	0	n/a
	Trench Inspections	2	n/a
	Site Visits/Inspections	21	n/a
	Dig-Safe requests	1	n/a
	Sewer/Drain Inspections	1	n/a
	Street Light Inspection	0	n/a
Totals		35	\$1,650

*Six Unitil permits at \$250 each, one Water Division permit at \$0 (fee waived).

WATER SUPPLY DIVISION

John Deline - Deputy Commissioner of Water Supply

The Water Supply Division produced 33.8 million gallons of drinking water this past week. No transfer of water between reservoirs is taking place. Reservoirs continued to be inspected and patrolled on a daily basis.

Water Treatment

Reservoir Levels as of 5/28/20			
Northern Reservoirs	Elevation below spillway		Southern Reservoirs
Fitchburg/Ashby	Full	- 1.04 feet	Meetinghouse
Scott	Full	-0.22 feet	Mare Meadow
Lovell	Full	Full	Bickford

Water Filtration Plant Flows/Production from 5/22/20 through 5/28/20			
	Falulah Plant	Regional Plant	Totals
Raw Water Inlet (Gal)	9,140,000	28,799,000	37,939,000
Backwash to waste (Gal)	1,481,000	2,626,000	4,107,000
Finish Water - Treated & Distributed (Gal)	7,659,000	26,173,000	33,832,000
Capacity	(6 MGD) 22%	(12 MGD) 34%	(18 MGD) 30%
Efficiency	83%	91%	89%

- Due to the COVID-19 crisis, only required/regular maintenance is being completed in the plants as well as any emergency repairs. Treatment personnel have been permanently (for the duration of the crisis) to each treatment plant and no intermingling or transferring of treatment operators between plants will occur. Outside contractors will only be utilized for emergency repairs or for maintenance that is necessary to keep the treatment plants in good operating condition.
- The spring removal of sludge from the backwash residuals settling lagoons continued this week (fifth week). One load per day is being pumped from the lagoons and disposed of at the West Plant (a total of 15-20 loads needs to be removed from each of the lagoons, which takes 5-8 weeks to complete depending on precipitation/weather).
- The valve for #2 Filter at the Regional plant malfunctioned and would not open. Treatment personnel disassembled and cleaned the valve but it would still not function. Since no mechanical issue could be found, it was concluded that it was an issue with the controls or SCADA. The filter was shut down for the night and the next day Laviolette Controls came in to diagnose, determining that, in fact, it was the input card for the valve that was faulty. A new input card was ordered (the card is about \$2,000) - it will take a couple weeks to get the new card. In the meantime, that filter will not be used (the plant is nowhere running near capacity so that should not be an issue unless there is an algae bloom or other water quality issue that upsets operations).
- With the warmer temperatures, treatment personnel began adding polymer to the treatment process at the Falulah plant. This is improving treatment efficiency as it has lowered the required dosage of PAC and will hopefully in turn increase the filter and clarifiers times. Treatment personnel will fine tune the PAC, NaOH, and polymer dosage to improve treatment efficiency and maximize the removal of organic matter.
- The #2 and #3 plant water pumps at the Regional Plant began making noises. Contacted Gustavo Preston to inspect the pumps and determine the source of the noises. It was determined that the flow valves were the source and that they will need rebuilding or replacement in the near future as the internal parts/mechanisms are getting worn out. The contractor was able to clean the worst offender (#2 valve) and it can now be used as a backup. The #3 valve is not as worn so the plant will be run on the #1 (which is fine) and #3 valves until the #2 valve can be rebuilt/replaced. Given that all of the valves are of the same age, the other valves may also need to be rebuilt/replaced in the near future.
- The roof at the Regional plant has, again, developed some leaks. Interim repairs will be completed but it appears that the replacement of this roof will need to be completed in the near future (by the summer/fall of 2021).

Water Distribution

- Mowed/weed-wacked Mare Meadow, Wyman, Narrows Road pump station, Monty pump station, Oak Hill pump station, 1200 Rindle Road, and the south dam at Fitchburg Reservoir.
- During the week, FWD crews checked/maintained all water trenches repaired with cold patch.
- FWD personnel continued lubing/greasing hydrants on the High System.
- FWD personnel repaired/rebuilt a hydrant on Pine Street at South Street, this hydrant was found to be leaking around the break-away flange. Notified FFD by phone that hydrant is back in service.

- FWD personnel paved a portion of the Oak Hill Tank road where it was washed out/damaged from plowing this past winter.
- FWD personnel paved the topcoat to the trenches on Clarendon Street at Daniels Street and Daniels Street at St Joseph's Avenue with the assistance from the DPW. Five tons of top was used, DPW applied the topcoat with their paver but personnel needed to finish/complete final leveling by hand before rolling.
- FWD personnel excavated and repaired a water leak on the city side of the service at 37 Pelham Drive, trench was backfilled, compacted in lifts, and paved.
- Investigated a possible leak on the water service at 37 Pelham Drive, leak was located on the city side of the service.
- Investigated a possible water leak at 591 Shea Street, nothing was found.
- Investigated a report of no water at 78-80 Mt Vernon Street, plumber shut off ball valve in basement without notifying the tenants.
- Investigated discolored water at Performance Trans on Benson Street - cause is believed to be a result of the recent water break on Water Street and the hydrant use at the airport. Distribution personnel are currently working to flush water mains in the area.
- Completed weekly inspections and maintenance/cleaning of Water Division vehicles and equipment.
- FWD personnel cleaned/disinfected steering wheels, shifters door handles and knobs in all water division vehicles.
- Completed housekeeping/disinfection of common surfaces at 1200 Rindge Road throughout the course of the week.

Fire Hydrants

Total Hydrants	Out of Operation	Hydrants Replaced	Hydrants Repaired	Maintenance Completed	Painted	Flushed
1,632	2	0	2	56	8	4

- FWD personnel repaired a hydrant at 982 South Street that was hit by an unknown car, a break-away kit was installed. Hydrant was placed back in service and FFD was notified.
- Investigated a leaking hydrant on Rainville Street at Elizabeth Street, during hydrant maintenance the hydrant was not shut off all the way.
- Performed hydrant flow testing for fire sprinkler design work at 411 South Street, 62 Sheridan Street, and 135 Intervale Road.

Administration and Meters/Billing

- Total of 10 real estate closings – final readings completed along with preparation of final bills for attorneys/realtors. Future real estate closing final readings also scheduled.
- 25 invoices totaling \$70,119.55 were processed for FY20 warrant WG20049.
- 5 purchase requisitions and 4 change orders were entered into Munis for approval by Purchasing.
- Completed the minutes for the Water/Wastewater Commission meeting held on May 13, 2020.

- The Fitchburg Water Division participated in the conference call that is being held weekly (this is the eighth week) with MA DEP, Massachusetts Water Works Association, and several hundred public water suppliers across the state. The Commissioner of MA DEP, Martin Suuberg, presented a status update in regard to COVID-19 and its effects/impacts on public drinking water suppliers. Mr. Suuberg also provided answers to questions submitted by public water suppliers over the past week.
- In addition to routine maintenance and administrative tasks, the following services were completed:

Water Permits and Inspections	
Type	Number
Emergency DigSafe Mark-outs	1
DigSafe Mark-outs	11
Inspections of Work on Water System	1
Hydrant Flow Tests	3
Record Plan Updates	5
Special Permit Applications Reviewed	0
New Water Service Applications	0
View Permits reviewed	1
Curb Stops Turned off/on	9
Located/cleaned gate/curb boxes	13
Final Readings/ Real Estate Closings	5
New Meter Installations	11
Backflow Preventers Tested	0
Cross Connection Surveys	0
Residential Appointments Made	0
Totals	60

WASTE WATER DIVISION
Jeff Murawski - Deputy Commissioner of Wastewater

The WWTF processed 58.49 million gallons of sewage during the third week of May. In total, 48.4 tons of organics and 39.88 tons of solids were removed and prevented from entering the Nashua River.

Week of 5/17/2020 – 5/23/2020		
Sewage Flow	58.49	Million Gallons
Rainfall	0.00	Inches
Secondary Bypass	0.00	Million Gallons
BOD _{in} (lbs)	99,102	Pounds
BOD _{out} (lbs)	2,364	Pounds
BOD Removal (%)	97.47%	
TSS _{in} (lbs)	82,106	Pounds
TSS _{out} (lbs)	2,339	Pounds
TSS Removal (%)	96.98%	

WWTF Maintenance & Operations:

- Participated in daily video conference calls with Wastewater Management.
- 04/12/2020: “Shelter-in-Place” Plan implemented. Three (3) Treatment Operators are staying at the facility 24/7, for a 1-week period. Seventh rotation group (Team #1) began on May 24th, at 6:00 AM.
 - As of this report (05/29/2020) the “Shelter-in-Place” Plan is going well, and the operators are healthy.
 - The Second “Shelter-in-Place” team will be beginning their 3rd weeklong shift, on Sunday - May 31st, at 6:00 AM (this will be the 8th week of “Shelter-in-Place” staffing).
- 05/27/2020: Participated in conference call with MassDEP about the current COVID-19 situation.
- 05/27/2020: Incline auger for Sludge Dumpster broke (Maintenance repaired same day).
- One Treatment Plant Operator (not a part of the “shelter-in-place” staffing program) was scheduled to perform exterior plant duties this week (clarifier cleaning, gravity thickeners cleaning, pumps and draft tube cleanings).
- Tested all emergency showers.
- Preventative Maintenance checks on Gravity Belt Thickeners.
- Cleaned the Gravity Thickener.
- Cleaned the Return Activated Sludge Pumps.
- Chemical deliveries:
 - Sodium Hypochlorite (Chlorine Disinfectant and Odors Neutralizing Chemical); and
 - Sodium Hydroxide (pH Adjusting Chemical).

Administration:

- Deputy Commissioner managing Division remotely (as of Mar. 17th).
- Daily (or more frequent, as needed) conducting video calls with Wastewater Management Team.
- Coordinated with Purchasing Department, for Wastewater procurement needs.
- Enabled Wastewater Administrations Coordinator to make Wastewater website updates and City Facebook Page posts, on behalf of Wastewater Division.
- Wed. - May 27th: participated in group “ZOOM” call held by MassDEP Commissioner Martin Suuberg, held for Massachusetts Wastewater Professionals, regarding COVID-19 pandemic.
- Collaborating with Purchasing, Community Development & consultant (West Group Law) on the Request For Expressions of Interest on the repurposing of the Westerly Wastewater Treatment Facility.
- Numerous swimming pool fill sewer billing abatement requests reviewed.
- Participated in group discussion with Contractor, Subcontractor, and OPM for the City Hall Project, regarding the price proposal for installation of Wood Place sewer (connecting into Boulder Drive sewer).
- Coordinating for completion of necessary CWSRF Loan Application documents, for the CSO 007, 011, 039, 048 Project.
- Participated in group discussion with Wastewater engineering consultant (Weston & Sampson Engineers) on ongoing wastewater engineering services tasks.

Sewer System

- Paved two frames and covers on Wallace Ave., used left over mix to patch road. Placed sand seal on joints.
- Swapped out 7 drain/sewer covers so that the cover reflected the utility within the manhole.
- CCTV'd and jetted a catch basin on Bourque Terrace, and determined that the catch basin ties in blind to the Sanitary System. The GIS mapping was updated to reflect this inflow source.
- Reset two frames and covers on Clearview Street that were collapsing, and paved patch.
- Prepped around a buried manhole on the dirt road off Maine Avenue. This manhole is a problem area and always gets covered with soil, by paving a patch around the manhole we hope to eliminate having the manhole get buried.
- Replaced a collapsing manhole frame and cover on Fairmount Avenue, and patch paved.
- Traveled to Connecticut for training on how to solder the pig-tail connection on the CCTV Camera.
- Reviewed the SSES Phase 4 - Trunk Sewer investigation report. Will provide comments to Weston & Sampson next week.
- Held a conference call with the City Hall Team on having the Contractor install the Wood Place Sewer. We will likely execute a change order for this work next week.
- Filed a Sanitary Sewer Overflow report to MassDEP for a backup that occurred 2 weeks ago on Phillips Avenue.
- Our new Combination Jetter/Vacuum ('Jet/Vac') truck was delivered! (See attached picture) The new truck will be registered in the next weeks, and then training will be conducted for the staff on the new truck.



Figure 5: New Wastewater Jetter/Vacuum Truck.

- Met with P.J. Albert on Theresa Street to discuss separation of 5 combination manholes on this road that frequently activate. A few of these manholes are the most active in the City.

- Scheduled with ADS Environmental to visit the City next week to troubleshoot a few meters. ADS was also instructed to send a revised cost proposal and sole source letter to Wastewater so we can begin the On-Call Meter Maintenance Contract renewal process.
- Signed up two employees for "NASSCO PACP/MACP/LACP" Training in Haverhill in September.

<u>DPW ADMINISTRATION</u>
Courtney Lamoureux – Business Manager

- Financial:
 - Reviewed all DPW Department accounts for accuracy and monitored budgets.
 - Continued year end reviews and processes for close out of FY20.
 - Calculated final pay for an upcoming employee's retirement.
 - Performed an in depth analysis and projection of the wastewater division labor accounts to ensure we are going to close out the year at or ahead of budget due to unanticipated costs associated with COVID-19 24-7 shifts.
- Administrative:
 - Submitted DPW Department absences due to COVID-19 reasons to the human resources department.
 - Assisted human resources with on-boarding part-time, seasonal construction inspector.
 - Worked with Human Resources department to schedule DOT physicals for individuals with expiring DOT medical cards.
 - Documented and distributed 2 new petitions received for the public works committee to review.
 - Contacted the City's Insurance carrier to assist in registering the new sweeper for streets and vacuum truck for wastewater. An appt has been made with the registry to register and title both pieces of equipment.

Invoicing, Warrants, and Payrolls						
	Invoices		Deposits		Billings	Payroll
<u>Division</u>	<u>Number</u>	<u>Total \$</u>	<u>Number</u>	<u>Total \$</u>		
Streets/Admin/Engineering	55	\$ 48,880	*Note 1			
Cemeteries						
Parks						
Recreation						
Water Supply	27	\$ 803,913				
Waste Water	29	\$ 588,673	*Note 2	\$ 41,445		
			*Note 3			
Total	111	\$1,441,466		\$ 41,445	\$ -	\$ -
*1 - Engineering Permits & Performance Bonds						
*2 - Septage at East Plant (Gallons)		487,588				