



## MONTHLY REPORT November 2017

Below is a summary of the Ayer DPW's operations for the month of November. In addition to the items below, there are many ongoing projects in various stages that the DPW staff are involved with. If additional detail or information is needed, please let us know.

Please note that in addition to a summary of our monthly work order report, we have attached a DPW project status report.

### **Engineering and Administration**

- Prepared DPW Five Year Capital Plan and submitted to Committee
- Working with Recreation Department on Perone Park garage and storage building
- Working with Recreation Department on Perone Park Walking Path Design
- Assisting Town Hall / MART with design for Depot Square and Commuter Parking Lot project.
- Active involvement in Comprehensive Plan Committee. Completed work on the Transportation Workgroup section of the plan
- Completed construction of Wright Road / Sandy Pond Road water main
- Began Construction of DPW Administration Building Project ( Pre Construction meeting, shop drawings)
- Prepared and submitted Merrimack River Basin Withdrawal Permit Application for Spectacle Pond Wells
- Working with MassDEP, EPA and Devens on the PFAS Water Quality issue at Grove Pond Wells. Developed action plan to address future regulation.
- Reviewed design of solar lease project at Town landfill
- Bid and completed construction of Snake Hill Road Water Service Replacements
- Working on LED Streetlight Upgrade bidding and procurement, have procured lights and installation and received proposals for controls.
- Overseeing construction of Spec Pond Well 2 Replacement Well
- Coordinating design of West Main Street Bridge Improvements
- Coordinating design of Wastewater Treatment Plant Improvements – Phase 1 (Safety / Code related)
- Working with consultant on CCTV sewer inspection program for inflow and infiltration study
- Managing meter upgrade project including scheduling and computer account changes
- Quarterly water and sewer bills were prepared and sent out for 3 routes
- Sold Transfer Station permits and PAYT bags
- Reviewed and responded to questions and issues related to water and sewer bills
- Processed and approved Road Opening Permits, Trench Permits and Water & Sewer Connection Permits

### **Highway / Stormwater Division**

- See specific work order tasks attached **Work Order Summary**
- Prepared trucks, plows and equipment for plowing
- Ordered and mixed salt for winter
- Winterized mowers and paint machine
- Repaired pot holes and shoulders throughout town
- Installed new signs and / or repaired existing signs at various locations in town
- Repaired catch basins
- Continued town-wide street sweeping with new street sweeper
- DPW garage / facility maintenance
- Equipment and vehicle maintenance
- Trash and recycling pickup at numerous locations in town
- Completed DIGSAFE mark-outs

### **Wastewater Division**

- See specific work order tasks attached **Work Order Summary**
- All NPDES permit requirements were in compliance for the month
- Total flow for the treatment plant was 40 million gallons with an average of 1.22 mgd and a maximum of 1.7 MGD
- Contractor hauled 25 loads of sludge
- Plant was in compliance for the month
- Implemented Mobile311 into daily Pumping Station maintenance
- Implemented Maintenance Edge into WWTP maintenance work orders
- Performed mechanical maintenance on pump stations
- Backwashed filter units
- Repaired Wastewater Division trucks
- Jetting and cleaning of sewer blockage at various locations in town
- Performed daily inspections of wastewater pumping stations
- Performed daily operations, laboratory testing and reporting for WWTP
- Completed DIGSAFE mark-outs
- Completed and **submitted** Monthly Operations Report for DEP and EPA

### **Water Division**

- See specific work order tasks attached **Work Order Summary**
- Completed Fall Water Main Flushing
- Added data to H2O Water Reporting software and submitted monthly reports to MADEP
- Maintenance of chemical feed systems at Grove Pond WTP
- Maintenance of chemical feed systems at Spec Pond WTP
- Continued radio water meter installations throughout Town
- Completed required DEP monthly coliform and chlorine sampling
- Completed meter readings and assisted customers with leak evaluations and dirty water issues
- Completed DIGSAFE mark-outs
- Normal water treatment duties including daily testing and reports, chemical adjustments, equipment maintenance

**2017 ANNUAL PUMPING REPORT FOR THE  
AYER DPW WATER DIVISION**

From: 2017-11-01 To: 2017-11-30

Annual Statistical Data	Well 6 - Grove Pond	Well 7 - Grove Pond	Well 8 - Grove Pond	Well 1A - Spectacle Pond	Well 2 - Spectacle Pond		Source Totals
Total Days Pumped - November 2017	30	30	30	29	27	0	30
Total Pumpage (MG) - November 2017	11.218	8.805	4.539	7.446	7.095	0	39.484
<b>Total Pumping Days</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>27</b>	<b>0</b>	<b>30</b>
<b>Total Pumpage (MGY)</b>	<b>11.218</b>	<b>8.805</b>	<b>4.539</b>	<b>7.446</b>	<b>7.095</b>	<b>0.000</b>	<b>39.484</b>
<b>Average Daily Pumpage (MGD)</b>	<b>0.374</b>	<b>0.294</b>	<b>0.151</b>	<b>0.248</b>	<b>0.236</b>	<b>0.000</b>	<b>1.316</b>
<b>Maximum Daily Pumpage (MGD)</b>	<b>60.469</b>	<b>3,265.699</b>	<b>0.470</b>	<b>1.422</b>	<b>0.384</b>	<b>0.000</b>	<b>1.747</b>
<b>Maximun Daily Pumpage (Date)</b>	<b>2017-11-29</b>	<b>2017-11-03</b>	<b>2017-11-16</b>	<b>2017-11-02</b>	<b>2017-11-30</b>		<b>2017-11-06</b>
<b>Maximum Week Pumpage (MGW)</b>	<b>62.831</b>	<b>3.130</b>	<b>1.622</b>	<b>2.511</b>	<b>2.086</b>	<b>0.000</b>	<b>10.625</b>
<b>Maximum Week Pumpage (Date)</b>	<b>2017-11-29</b>	<b>2017-11-02</b>	<b>2017-11-02</b>	<b>2017-11-02</b>	<b>2017-11-17</b>		<b>2017-11-01</b>

**Solid Waste Division**

- Normal transfer station operations including site clean-up, organization and monthly reports
- Working with organic food waste collection operation
- Leaf hauling to brush dump / compost area off Bishop Road
- Coordinated solid waste / recycling disposal including waste oil, scrap metals, textiles

**Monthly Work Orders Completed – By Division**

82	Pleasant St	Dig-Safe - Water	10/18/17	Water	Howard St./Pleasant St. Digging at 82 Pleasant Street.  Nature of work: Install new gas service. Extent of work: Street & Street to house. Area is pre-marked.
100	Groton Harvard Rd	Vendor Coordination	10/18/17	Solid Waste	10/18/17 E-Waste schedule to be change out. To be determined
272	Old Farm Way	Dig-Safe - Water	10/19/17	Water	20174209356 10/19/2017 install invisible fence
115	Oak Ridge Dr	Dig-Safe - Water	10/19/17	Water	20174209010 10/18/2017 removing and replacing driveway
7	Winterberry Ln	Sidewalk - Repair	10/19/17	Highway	resident claims a cone was put on broken sidewalk earlier this year, but repair has not been made
121	Oak Ridge Dr	Complaint/Investigation - Water	10/19/17	Water	brown water complaint @ 121 Oak Ridge Drive  401-996-4750 Valeta Miller
100	Washington St standpipe	Water Connection Permit	10/20/17	Water	rounds, booster, Pingry
99	Barnum Rd	Water Connection Permit	10/20/17	Water	fix chlorine line leak
17	School St	Water Connection Permit	10/20/17	Water	disassemble hydrant meter setup

	Oak Ridge Dr	Dig-Safe - Highway	10/23/17	Highway	Nature of work: Exc. for foundation, water & sewer. Working at new house lot loc. adj. to the Ayer pump station. Extent of work: Street & Street to entire property. Area is pre-marked.
	Oak Ridge Dr	Dig-Safe - Water	10/23/17	Water	Nature of work: Exc. for foundation, water & sewer. Working at new house lot loc. adj. to the Ayer pump station. Extent of work: Street & Street to entire property. Area is pre-marked.
9	Grove St	Dig-Safe - Highway	10/23/17	Highway	Nature of work: Water gate repair. Extent of work: Street. Area is pre-marked.
25	Grove St	Dig-Safe - Highway	10/23/17	Highway	Nature of work: Water gate repair. Extent of work: Street. Area is pre-marked.
4	A Pierce Ave	Dig-Safe - Highway	10/23/17	Highway	Nature of work: Excav. for foundation, water, sewer. Extent of work: Connections Entire Lot. Area is pre-marked.
4	A Pierce Ave	Dig-Safe - Water	10/23/17	Water	Nature of work: Excav. for foundation, water, sewer. Extent of work: Connections Entire Lot. Area is pre-marked.
22-23	Hickory Way	Dig-Safe - Water	10/23/17	Water	Working between 22-23 Hickory Way. Nature of work: Installing 2 French drains. Extent of work: 1 coming from center of road to catch basin, the 2nd is coming from side of road to catch basin. Area is pre-marked.
166	Central Ave	Dig-Safe - Highway	10/23/17	Highway	Nature of work: Remove Trees & Grinding stump. Extent of work: Front of property. Area is pre-marked.

166	Central Ave	Dig-Safe - Water	10/23/17	Water	Nature of work: Remove Trees & Grinding stump. Extent of work: Front of property. Area is pre-marked.
7	Church St	Dig-Safe - Highway	10/24/17	Highway	Digging in Church St. to install new gas service to #7 Church St.
7	Church St	Dig-Safe - Water	10/24/17	Water	Digging in Church St. to install new gas service to #7 Church St.
83	Washington St	Dig-Safe - Highway	10/24/17	Highway	Nature of work: Sewer Srv. connection. Extent of work: In Street, Street to foundation. Area is pre-marked.
83	Washington St	Dig-Safe - Water	10/24/17	Water	Nature of work: Sewer Srv. connection. Extent of work: In Street, Street to foundation. Area is pre-marked.
0	Oak Ridge Dr	GIS Mapping Update - Water	10/25/17	Water	Mapped hydrants 4H166, 4H165, 4H171, 4H164, 4H163, 4H170
	Westford	Water Connection Permit	10/25/17	Water	PFOS Seminar
14	Oak St	Repair Manhole	10/26/17	Wastewater	raise manhole that was uncovered replace structure if needed
	Sandy Way	Dig-Safe - Highway	10/30/17	Highway	replacing pole #2 20174400618
	Sandy Way	Dig-Safe - Wastewater	10/30/17	Wastewater	replacing pole #2 20174400618
	Sandy Way	Dig-Safe - Water	10/30/17	Water	replacing pole #2 20174400618
299	Washington St	Dig-Safe - Highway	10/30/17	Highway	Emergency dig safe at intersection of Washington & Groton Harvard-removing contaminated soil 20174401717

					Emergency dig safe at intersection of Washington & Groton Harvard-removing contaminated soil
299	Washington St	Dig-Safe - Water	10/30/17	Water	20174401717
215	W Main St	Dig-Safe - Highway	10/31/17	Highway	Nature of work: Environmental Soil Boirings/MW Installation. Extent of work: In dirt lot between 2 buildings, & woodline behind storage unit building. Area is pre-marked.
215	W Main St	Dig-Safe - Wastewater	10/31/17	Wastewater	Nature of work: Environmental Soil Boirings/MW Installation. Extent of work: In dirt lot between 2 buildings, & woodline behind storage unit building. Area is pre-marked.
215	W Main St	Dig-Safe - Water	10/31/17	Water	Nature of work: Environmental Soil Boirings/MW Installation. Extent of work: In dirt lot between 2 buildings, & woodline behind storage unit building. Area is pre-marked. S
100	Groton Harvard Rd	Vendor Coordination	10/31/17	Solid Waste	10/31/17 Single stream recycling change out Wednesday 11/1/17 due to emergency storm
100	Groton Harvard Rd	Vendor Coordination	10/31/17	Solid Waste	10/31/17 MSW trailer to be changed out Thursday 11/2/17 due to emergency storm
100	Groton Harvard Rd	Facility Maintenance	11/1/17	Solid Waste	11/1/17. meeting with National grid scheduled to reconnect electrical service tonight.
133	Oak Ridge Dr	Dig-Safe - Highway	11/2/17	Highway	Nature of work: Driving ground rods for electrical service. Extent of work: On property at the electrical service area. Area is pre-marked.
133	Oak Ridge Dr	Dig-Safe - Wastewater	11/2/17	Wastewater	Nature of work: Driving ground rods for electrical service. Extent of work: On property at the electrical service area. Area is pre-marked.
133	Oak Ridge Dr	Dig-Safe - Water	11/2/17	Water	Nature of work: Driving ground rods for electrical service. Extent of work: On property at the electrical service area. Area is pre-marked.

					Nature of work: Dispenser & underground storage tank repair/replacement. Extent of work: Entire private property. Area is pre-marked.
30	Park St	Dig-Safe - Highway	11/2/17	Highway	
					Nature of work: Dispenser & underground storage tank repair/replacement. Extent of work: Entire private property. Area is pre-marked.
30	Park St	Dig-Safe - Wastewater	11/2/17	Wastewater	
					Nature of work: Dispenser & underground storage tank repair/replacement. Extent of work: Entire private property. Area is pre-marked.
30	Park St	Dig-Safe - Water	11/2/17	Water	
21	3rd St	Water Service Work	11/2/17	Water	Made list of two nozzle hydrants and locations, and brands
14	Highland Ave	Final Read	11/2/17	Water	Final read and meter upgrade
					Cleaned gate boxes and exercised valves, to isolate a section of Oak Ridge that is getting tapped. Cleaned gate boxes in preparation of shutting main line, to Nasoya.
0	Oak Ridge Dr	Valve Exercise	11/2/17	Water	
25	Brook St	Misc Water Work Order	11/2/17	Water	Admin and prepare for and attend Foremans meeting
99	Barnum Rd	Grounds Maintenance - Water	11/2/17	Water	mow grass, blow leaves, Grove and Barnum
99	Barnum Rd	Misc Water Work Order	11/2/17	Water	lab
99	Barnum Rd	Misc Water Work Order	11/2/17	Water	flush pumps, instrumentation
24	Sandy Pond Rd	Water Service Work	11/2/17	Water	prep trench for paving
24	Park St	Water Service Work	11/2/17	Water	prep trench for paving
7	Church St	Water Service Work	11/2/17	Water	prep trench for paving
34	Highland Ave	Water Service Work	11/2/17	Water	prep trench for paving
99	Barnum Rd	Misc Water Work Order	11/2/17	Water	lab
99	Barnum Road	Misc Water Work Order	11/2/17	Water	custodial
22	Hibiscus Ln	New Meter Installation	11/2/17	Water	
					Nature of work: Replace walkways & stone wall. Extent of work: Front & side of property. Area is pre-marked.
28	Snake Hill Rd	Dig-Safe - Highway	11/2/17	Highway	

					Nature of work: Replace walkways & stone wall. Extent of work: Front & side of property. Area is pre-marked.
28	Snake Hill Rd	Dig-Safe - Wastewater	11/2/17	Wastewater	
					Nature of work: Replace walkways & stone wall. Extent of work: Front & side of property. Area is pre-marked.
28	Snake Hill Rd	Dig-Safe - Water	11/2/17	Water	
55	Cambridge St	Pavement Repair	11/2/17	Highway	We hot topped sewer manhole for sewer on Central Ave
87	E Main St	Pot Hole	11/2/17	Highway	Patched potholes on the corner of Pine St & East Main Street
11	Oak St	Pavement Repair	11/2/17	Highway	Patched manhole for sewer dept manhole repair
14	Newton St	Pot Hole	11/2/17	Highway	Patched deep potholes on edge of road
12	Highland Ave	Pavement Repair	11/2/17	Highway	Paved water dept trench
4	Winterberry Ln	Pavement Repair	11/2/17	Highway	Patched broken sidewalk
57	Wright Rd	Pavement Repair	11/2/17	Highway	Patched water gate for water dept
26	Sandy Pond Rd	Pavement Repair	11/2/17	Highway	Patched water dept trench
0	Nashua St	Water Service Work	11/3/17	Water	Rewrote tie cards for Nashua St. cleaned vac trailer
					Met with home owner about raising curb box. He is having driveway replaced and needs box raised accordingly. Cleaned curb box
153	Sandy Pond Rd	Water Service Work	11/3/17	Water	
0	Highland Ave, Park St	Water Service Work	11/3/17	Water	Helped prep trenches for paving
0	Wright Rd/ Mountain View	Water Service Work	11/3/17	Water	Dug up and replaced gate box top, back filled, cleaned out box.
21	3rd St	Water Service Work	11/3/17	Water	Cleaned vac trailer
36	d Longview	New Meter Installation	11/3/17	Water	Nw install turn on
36	e Longview	New Meter Installation	11/3/17	Water	New install
36	c Longview	New Meter Installation	11/3/17	Water	New install
83	w main	Meter Testing	11/3/17	Water	Data log
					Nature of work: Remove & Replace the Slabs * Silos. Extent of work: Front of building. Area is pre-marked.
11	Copeland Dr	Dig-Safe - Highway	11/6/17	Highway	
					Nature of work: Remove & Replace the Slabs * Silos. Extent of work: Front of building. Area is pre-marked.
11	Copeland Dr	Dig-Safe - Wastewater	11/6/17	Wastewater	



					Nature of work: Remove & Replace the Slabs * Silos. Extent of work: Front of building. Area is pre-marked.
11	Copeland Dr	Dig-Safe - Water	11/6/17	Water	
72	Snake Hill Rd	Dig-Safe - Highway	11/6/17	Highway	Emergency Gas Repair. Extent of work: Working in St. & St. to house.
63	Fitchburg Rd	Dig-Safe - Highway	11/7/17	Highway	Upgrade water service Dig safe #20174504172
63	Fitchburg Rd	Dig-Safe - Wastewater	11/7/17	Wastewater	Upgrade water service Dig safe #20174504172
63	Fitchburg Rd	Dig-Safe - Water	11/7/17	Water	Upgrade water service Dig safe #20174504172
	Sandy Pond Rd	Dig-Safe - Highway	11/7/17	Highway	install new water main-working between Easy Street & Patriot Way-dig safe #20174504019
	Sandy Pond Rd	Dig-Safe - Wastewater	11/7/17	Wastewater	install new water main-working between Easy Street & Patriot Way-dig safe #20174504019
	Sandy Pond Rd	Dig-Safe - Water	11/7/17	Water	install new water main-working between Easy Street & Patriot Way-dig safe #20174504019
144	Sandy Pond Rd	Dig-Safe - Highway	11/7/17	Highway	installing new water valve-Dig Safe #20174503995
144	Sandy Pond Rd	Dig-Safe - Wastewater	11/7/17	Wastewater	installing new water valve-Dig Safe #20174503995
144	Sandy Pond Rd	Dig-Safe - Water	11/7/17	Water	installing new water valve-Dig Safe #20174503995
	Wright Rd	Dig-Safe - Highway	11/7/17	Highway	install new water main-working in Cul de sac Dig Safe #20174504008
	Wright Rd	Dig-Safe - Wastewater	11/7/17	Wastewater	install new water main-working in Cul de sac Dig Safe #20174504008
	Wright Rd	Dig-Safe - Water	11/7/17	Water	install new water main-working in Cul de sac Dig Safe #20174504008
153	Sandy Pond Rd	Dig-Safe - Highway	11/7/17	Highway	installing new water valve Dig Safe #20174503982
153	Sandy Pond Rd	Dig-Safe - Wastewater	11/7/17	Wastewater	installing new water valve Dig Safe #20174503982
153	Sandy Pond Rd	Dig-Safe - Water	11/7/17	Water	installing new water valve Dig Safe #20174503982
0	Copeland Dr	Flushing	11/7/17	Water	Flushed hydrant

21	3rd St	Misc Water Work Order	11/7/17	Water	Dump , install new fire extinguishers in new stand pipe shed, old stand pipe shed, crab tree booster station
21	3rd St	Water Service Work	11/7/17	Water	Dump run, ran W3 on highway to clean exhaust, to make light go out
0	Oak Ridge Dr, Calvin St	Valve Exercise	11/7/17	Water	Met with Dan, to go over Wachs GIS. Used and tested equipment. Exercise and record gates
2	ledge way	Shut Off	11/7/17	Water	Water off
6	ledgeway	Shut Off	11/7/17	Water	Water off
8	ridgeway	Shut Off	11/7/17	Water	Water off
99	Barnum Rd	Misc Water Work Order	11/7/17	Water	Prepare for and attend Foremans meeting
0	End Nemco Way	Water Quality Sampling	11/7/17	Water	Rounds
99	Barnum Rd	Misc Water Work Order	11/7/17	Water	Drain 2 filters, examine backwash, air scour, return to service
99	Barnum Rd	DEP Report	11/7/17	Water	Monthly report DEP
0	Sandy Pond Rd	Dig-Safe - Water	11/7/17	Water	Multiple mark outs for DAMico
99	Barnum Rd	Misc Water Work Order	11/7/17	Water	Drain 2 vessels, open and inspect, backwash, air scour and return to service
0	End Nemco Way	Misc Water Work Order	11/7/17	Water	Rounds, inspect Booster, Pingry and Washington St, batch chemicals
99	Barnum Rd	Misc Water Work Order	11/7/17	Water	Admin
4	Mechanic St Ext	Pavement Repair	11/8/17	Highway	Had Mastic contractor in Tuesday to fix pavement around manholes catch basins and water gates
	Sandy Pond Rd	Dig-Safe - Highway	11/8/17	Highway	Nature of work: Install New Water Valve. Extent of work: Working in St. Area is pre-marked.
98	Sandy Pond Rd	Dig-Safe - Wastewater	11/8/17	Wastewater	Nature of work: Install New Water Valve. Extent of work: Working in St. Area is pre-marked.
98	Sandy Pond Rd	Project Inspection	11/8/17	Engineering	Mark new locations for insertion valves, and indicate locations removed.  field locate approximate location of transition between DI and HDPE and places wooden stake.
18	Pond St	Project Inspection	11/8/17	Engineering	Dan meets Landtech to observe drone survey.
43	Willow Rd	Site Inspection	11/8/17	Engineering	Dan visits Pingry Tank vault.
21	3rd St	Misc Water Work Order	11/8/17	Water	Changed engine oil and filter, checked air filter, general inspection found loose bolts holding water tank,

					and loose pins on valve turner. Called Wachs rep, for information on repair
21	3rd St	Misc Water Work Order	11/8/17	Water	Trip to Napa, drove W3 on highway to clean exhaust filter
120	Sandy Pond Rd	Valve Exercise	11/8/17	Water	Cleaned and exercise valve, 4WG32
67	Groton School Rd	Water Service Work	11/8/17	Water	Worked on trying to clean curb box, to shut off water. I think box shifted, I couldn't find valve
0	Upper hill	Flushing	11/8/17	Water	Flushed water mains
82	Pleasant St	Dig-Safe - Highway	11/9/17	Highway	Nature of work: Install New Gas Service
82	Pleasant St	Dig-Safe - Wastewater	11/9/17	Wastewater	Nature of work: Install New Gas Service Extent of work: Street & Street to House.
99	Barnum Rd	Misc Water Work Order	11/9/17	Water	drain, inspect ,airscour and put back online ,2 vessels Grove
29	Williams St	Flushing	11/9/17	Water	
20	Coolidge Rd	Flushing	11/9/17	Water	
105	Pleasant St	Flushing	11/9/17	Water	
49	Willow Rd	Dig-Safe - Water	11/9/17	Water	multiple markouts
99	Barnum Road	Misc Water Work Order	11/9/17	Water	admin, out w contractors, order KOH, schedule electrician-
	Woodland Way	Dig-Safe - Highway	11/13/17	Highway	Nature of work: Install Gas Main & Services. Extent of work: Street & Street to all buildings. Area is pre-marked.
89	Hemlock Dr	Dig-Safe - Wastewater	11/13/17	Wastewater	Nature of work: Install Gas Main & Services. Extent of work: Street & Street to all buildings. Area is pre-marked.

					Nature of work: Install Gas Main & Services. Extent of work: Street & Street to all buildings. Area is pre-marked.
	Hemlock Dr	Dig-Safe - Highway	11/13/17	Highway	
19	Columbia St	Pot Hole	11/13/17	Highway	big pot hole-reported online
					Nature of work: Install Gas Main & Services. Extent of work: Street & Street to all buildings. Area is pre-marked.
92	Hemlock Dr	Dig-Safe - Wastewater	11/13/17	Wastewater	
					Dan V meet CCTV crew Inland Waters, Brandon from Arcadis and homeowner to go over Grove Pond Interceptor cleaning and TVing.
5	4th St	Project Inspection	11/13/17	Engineering	
					Nature of work: Putting in 2 ground rods. Extent of work: Front right hand side of house marked with white paint with an orange cone. Area is pre-marked.
76	E Main St	Dig-Safe - Highway	11/13/17	Highway	
					Nature of work: Putting in 2 ground rods. Extent of work: Front right hand side of house marked with white paint with an orange cone. Area is pre-marked.
76	E Main St	Dig-Safe - Wastewater	11/13/17	Wastewater	
100	Groton Harvard Rd	Vendor Coordination	11/13/17	Solid Waste	11/13/17 MSW trailer scheduled for change out Tuesday 11/14/17
100	Groton Harvard Rd	Vendor Coordination	11/13/17	Solid Waste	11/13/17 Single stream recycling containers schedule for change out Tuesday 11/14/17
100	Groton Harvard Rd	Vendor Coordination	11/13/17	Solid Waste	CRT electronic recycle schedule for pick up Wednesday 11/15/17
99	Barnum Rd	Misc Water Work Order	11/14/17	Water	admin
	Pingry Tank	Water Tank Inspection	11/14/17	Water	bring electrician up to evaluate electric at new bldg.
116	Hickory Way	Dig-Safe - Water	11/14/17	Water	markouts
60	Fitchburg Rd	Flushing	11/14/17	Water	
8	Marshall St	Inspection - Water	11/14/17	Water	locate and excavate sewer manhole for contractor
	Shelley Lane	Misc Water Work Order	11/14/17	Water	set up hydrant meter for contractor
11	Patriot Way	Misc Water Work Order	11/14/17	Water	set up hydrant meter for contractor
93	Sandy Pond Rd	Water Service Work	11/14/17	Water	look for line gate

					<p>Nature of work: Install New Gas Service</p> <p>Digging at 82 Pleasant St.</p>
82	Pleasant St	Dig-Safe - Highway	11/14/17	Highway	
					<p>Nature of work: Install New Gas Service</p> <p>Digging at 82 Pleasant St.</p> <p>Extent of work: Street &amp; Street to House.</p>
82	Pleasant St	Dig-Safe - Wastewater	11/14/17	Wastewater	
44	c Longview	Final Read	11/14/17	Water	
					<p>Manhole cover near railroad tracks seems to be loose, makes noise when driving over it, also looks like the asphalt around it is crumbled.</p>
	Willow Rd	Misc Wastewater Work Order	11/14/17	Wastewater	Resident came in to report this.
					<p>Existing grade near HDPE is approximately 231.5'. Bottom of stormwater basin in-fill is 229'. I indicate to Mike of D'Amico min top of pipe shall be 228'; however, to follow grade at 5 feet below grade because stormwater basin will not be installed until the Spring and we need 5 feet of cover.</p>
61	Wright Rd	Project Inspection	11/14/17	Engineering	We will connect to stub at cul-de-sac of Wright Road as oppose to tee as drawings currently show.
103	Sandy Pond Rd	Project Inspection	11/14/17	Engineering	D'Amico digs for Insertion Valve near 97 Sandy Pond Road.
147	Sandy Pond Rd	Project Inspection	11/14/17	Engineering	Dan Van meets with Greg Cormier to use electrical current to try to determine pipe material (CI or AC)
					<p>Nature of work: Install Water Valve</p>
136	Sandy Pond Rd	Dig-Safe - Highway	11/14/17	Highway	

					Nature of work: Install Water Valve
136	Sandy Pond Rd	Dig-Safe - Wastewater	11/14/17	Wastewater	
21	3rd St	Misc Water Work Order	11/15/17	Water	
0	Hickory Rd extension	Water Service Work	11/15/17	Water	Worked with Pyburn, chlorinating new water main
21	3rd St	Misc Water Work Order	11/15/17	Water	Worked on W2, F 250 . Fixed rear beacon lights, worked on plow, and assessed damage. Was decided to get new plow, got price and PO
0	Groton School Rd area	Flushing	11/15/17	Water	Flushed water mains
2	Winterberry Ln	Sidewalk - Repair	11/15/17	Highway	Patched sidewalk
144	Sandy Pond Rd	Dig-Safe - Highway	11/15/17	Highway	Nature of work: Install 2 Sonatubes for light poles.  Extent of work: Working on prop. 25 ft.from street. Area is pre-marked.
144	Sandy Pond Rd	Dig-Safe - Wastewater	11/15/17	Wastewater	Nature of work: Install 2 Sonatubes for light poles.  Extent of work: Working on prop. 25 ft.from street. Area is pre-marked.
	Snake Hill Rd	Dig-Safe - Highway	11/15/17	Highway	Nature of work: Water Service Replacement.  Extent of work: Working in St. & Sidewalk & up to houses.
	Snake Hill Rd	Dig-Safe - Wastewater	11/15/17	Wastewater	Nature of work: Water Service Replacement.  Extent of work: Working in St. & Sidewalk & up to houses.
	thru out town	Bact-T Sampling	11/15/17	Water	ph, bac and cl2
136	Sandy Pond Rd	Dig-Safe - Water	11/15/17	Water	
128	Washington St	Water Service Work	11/15/17	Water	look for service
60	Wright Rd	Pipe Replacement - Water	11/15/17	Water	out w/ contractor
100	Washington St standpipe	Water Tank Inspection	11/15/17	Water	clean vault and shack
33	Washington St	Misc Water Work Order	11/15/17	Water	working fire
99	Barnum Rd	Misc Water Work Order	11/15/17	Water	lab
100	Washington St standpipe	Misc Water Work Order	11/15/17	Water	

24	Harvard Rd	Flushing	11/15/17	Water	
					Nature of work: Relocate water line curb stop.  Extent of work: Working front of property approx. 10ft from edge of road.
128	Washington St	Dig-Safe - Highway	11/16/17	Highway	
					Nature of work: Relocate water line curb stop.  Extent of work: Working front of property approx. 10ft from edge of road.
128	Washington St	Dig-Safe - Wastewater	11/16/17	Wastewater	
100	Groton Harvard Rd	Vendor Coordination	11/16/17	Solid Waste	11/16/17. Schmidt equipment here today to service front-end loader
67	Groton school rd	Water Service Work	11/16/17	Water	Remove meter shut off curb stop replace curb box
0	hunt for shut off	Water Service Work	11/16/17	Water	128 Washington
44	c Longview	Final Read	11/16/17	Water	Final
0	grove	Grounds Maintenance - Water	11/16/17	Water	Leaf clearing mowing
135	Central Ave	New Meter Installation	11/16/17	Water	upgrade
142	Willard St	New Meter Installation	11/16/17	Water	upgrade
139	Willard St	New Meter Installation	11/16/17	Water	upgrade
98	Sandy Pond Rd	Pipe Replacement - Water	11/16/17	Water	witness valve installation
11	Patriot Way	Pipe Replacement - Water	11/16/17	Water	disassemble hydrant meter setup
99	Barnum Rd	Bact-T Sampling	11/16/17	Water	admin
99	Barnum Rd	Misc Water Work Order	11/16/17	Water	lab
8	Marshall St	Inspection - Water	11/16/17	Water	set up and disassemble hydrant for sewer contractor
16	Williams St	Water Service Work	11/16/17	Water	locate and turn off water, condemned property, remove meter
25	Brook St	Misc Water Work Order	11/16/17	Water	work on plow ,cutting edge , fluids
147	Sandy Pond Rd	Pipe Replacement - Water	11/16/17	Water	try to locate AC main for contractor
99	Barnum Rd	DEP Report	11/17/17	Water	admin, reports
					Nature of work: Replace Fire Hydrant  Extent of work: Side of road to Center of road. Area is pre-marked.
39	Washington St	Dig-Safe - Highway	11/17/17	Highway	
					Nature of work: Replace Fire Hydrant  Extent of work: Side of road to Center of road. Area is pre-marked.
39	Washington St	Dig-Safe - Wastewater	11/17/17	Wastewater	
21	3rd St	Misc Water Work Order	11/17/17	Water	Pick up new plow at JC Madigan for W2. Remove old plow from truck, install new plow.

21	3rd St	Misc Water Work Order	11/17/17	Water	Finished plow install on W2
1	Taft St	Water Service Work	11/17/17	Water	Investigate bent curb box, order parts
0	Wright Rd	Water Service Work	11/17/17	Water	Open, clean , operate gate valve, in preparation for water main turn off,
21	3rd St	Misc Water Work Order	11/17/17	Water	Cut dead trees by Grove Pond wells
100	Groton Harvard Rd	Vendor Coordination	11/21/17	Solid Waste	11/21/17 MSW trailer to be changed out today
100	Groton Harvard Rd	Vendor Coordination	11/21/17	Solid Waste	11/21/17 Single stream recycling containers to be changed out today
0	Brush Dump	Vendor Coordination	11/21/17	Solid Waste	11/21/17 hauling yard waste also brush to brush dump
28	Harvard Rd	Dig-Safe - Highway	11/21/17	Highway	Nature of work: Test Pits for future construction.  Extent of work: Working entire vacant lot on private property. Area is pre-marked.
28	Harvard Rd	Dig-Safe - Wastewater	11/21/17	Wastewater	Nature of work: Test Pits for future construction.  Extent of work: Working entire vacant lot on private property. Area is pre-marked. Contractor: Govoni, A Backhoe Inc.
8	Bennett's	Final Read	11/21/17	Water	Final
9	Jonathan	New Meter Installation	11/21/17	Water	
33	Washington	Shut Off	11/21/17	Water	Repair and shut off service
21	3rd St	Water Service Work	11/21/17	Water	Meet wit Tom At Ti Sales to get parts delivery, get information on automatic flushing valves
0	Wright Rd	Water Service Work	11/21/17	Water	Turn off water main, so Damico construction could install water gate, turn back on flush two hydrants to get air out of pipe
21	3rd St	Water Service Work	11/21/17	Water	Start installing trailer brake control box
	Pingry Tank	Water Tank Inspection	11/22/17	Water	inspect tanks and booster station
1	Patriot Way	Dig-Safe - Water	11/22/17	Water	out w/ contractors
65	Wright Rd	Pipe Replacement - Water	11/22/17	Water	out w/contractor
99	Barnum Rd	Grounds Maintenance - Water	11/22/17	Water	prep storage shed roof for repairs ( leaking)
99	Barnum Rd	Misc Water Work Order	11/22/17	Water	admin
99	Barnum Rd	Grounds Maintenance - Water	11/22/17	Water	repair holes in roof storage shed
21	3rd St	Water Service Work	11/22/17	Water	



	Groton Harvard Rd	Dig-Safe - Highway	11/27/17	Highway	<p>Nature of work: Installing utility poles &amp; electric wiring.</p> <p>Extent of work: Groton Harvard rd. on rail road right of way. Area is pre-marked.</p>
29	Harvard Rd	Dig-Safe - Wastewater	11/27/17	Wastewater	<p>Nature of work: Installing utility poles &amp; electric wiring.</p>
	Snake Hill Rd	Dig-Safe - Highway	11/27/17	Highway	<p>Nature of work: Installing utility poles &amp; electric wiring.</p> <p>Extent of work: Snake Hill Rd. on rail road right of way. Area is pre-marked.</p>
	Snake Hill Rd	Dig-Safe - Wastewater	11/27/17	Wastewater	<p>Nature of work: Installing utility poles &amp; electric wiring.</p> <p>Extent of work: Snake Hill Rd. on rail road right of way. Area is pre-marked.</p>
	Willow Rd	Dig-Safe - Highway	11/27/17	Highway	<p>Nature of work: Installing utility poles &amp; electric wiring.</p> <p>Extent of work: Willow Rd. on rail road right of way. Area is pre-marked.</p>
	Willow Rd	Dig-Safe - Wastewater	11/27/17	Wastewater	<p>Nature of work: Installing utility poles &amp; electric wiring.</p> <p>Extent of work: Willow Rd. on rail road right of way. Area is pre-marked.</p> <p>S</p>
0	Sandypond Rd	Valve Exercise	11/27/17	Water	<p>Cleaned gate boxes and exercise valves 4wg21, 4wg35, 6wg20, 6wg19, 6wg18, 6wg18A</p>
0	Sandy Pond Rd	Water Service Work	11/27/17	Water	<p>Close valves 4wg21, 4wg35, so D Amico could replace broken hydrant. Slowly turned water back on, bleed air out of two hydrants, watch D Amico check for leaks. Brought old hydrant to dump. Serviced hydrant</p>

					4h202. Brought computer to Dan to download. Drove f350 down highway to clean exhaust, parked vac trailer. Data entry.
25	Brook st	Misc Water Work Order	11/28/17	Water	Prepare for and attend Foremans meeting
0	PingryHill	Grounds Maintenance - Water	11/28/17	Water	Inspect tanks and Booster
	Snake Hill Rd	Dig-Safe - Highway	11/28/17	Highway	Nature of work: Excavate for Water Service. Extent of work: Working in the road curb to curb. Area is pre-marked.
	Snake Hill Rd	Dig-Safe - Wastewater	11/28/17	Wastewater	Nature of work: Excavate for Water Service. Extent of work: Working in the road curb to curb. Area is pre-marked.
100	Washington St	Water Tank Inspection	11/28/17	Water	Pingry and Booster inspection also
139	Snake Hill Rd	Water Service Work	11/28/17	Water	Out w contractor
1	Patriot Way	Hydrant Replacement	11/28/17	Water	Out w contractors
1	Main St	Misc Water Work Order	11/28/17	Water	Union
0	End Nemco Way Spec Pond	Misc Water Work Order	11/28/17	Water	Rounds
0	Snake Hill Dog Park	Dig-Safe - Water	11/28/17	Water	Premark and call in for Water service
9	Main St	Main St Trash	11/28/17	Highway	Big belly won't open
61	Wright Rd	Pipe Replacement - Water	11/28/17	Water	out with contractor filling new main
99	Barnum Rd	Misc Water Work Order	11/28/17	Water	admin
15	Mountain Laurel Way	Complaint/Investigation - Water	11/28/17	Water	repair lawn damaged by flushing hydrant
99	Barnum Rd	Misc Water Work Order	11/28/17	Water	multiple labs and pump adjustments
99	Barnum Rd	Misc Water Work Order	11/28/17	Water	multiple labs and pump adjustments
32	Columbia St	Dig-Safe - Highway	11/29/17	Highway	Nature of work: Replace 4 porches & stairways.  Extent of work: Working left side of house, (this is one house). Area is pre-marked.
32	Columbia St	Dig-Safe - Wastewater	11/29/17	Wastewater	Nature of work: Replace 4 porches & stairways.  Extent of work: Working left side of house, (this is one house). Area is pre-marked.
0		Pot Hole	11/29/17	Highway	Patched potholes on Highland Ave and Norwood Ave

34	Bligh St	Pot Hole	11/29/17	Highway	Patched potholes in front of house 34
7	E Main St	Pot Hole	11/29/17	Highway	Patched big area of road at Linden Court
17	W Main St	Pot Hole	11/29/17	Highway	Patched potholes in Park St town parking lot
30	Park St	Dig-Safe - Highway	11/29/17	Highway	20174805869 dispenser & underground storage tank repair/replace
30	Park St	Dig-Safe - Wastewater	11/29/17	Wastewater	20174805869 dispenser & underground storage tank repair/replace
82	Pleasant St	Pavement Repair	11/30/17	Highway	Patching area on Howard St Ware Nat'l Grid's broken power line melted the road
42	Jackson St	Pavement Repair	11/30/17	Highway	Repairing a driveway that sunk from drainage job we did a year ago
38	E Main St	Pot Hole	11/30/17	Highway	Patched pothole in sidewalk
46	Central Ave	Pot Hole	11/30/17	Highway	Patched 2 potholes
8	Marshall St	Pot Hole	11/30/17	Highway	Patched pothole
	Berkshire Blvd	Dig-Safe - Wastewater	11/30/17	Wastewater	Nature of work: Soil Borings  Extent of work: In tire piles & near equipment building. Area is pre-marked.