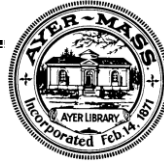


DEPARTMENT OF PUBLIC WORKS

Mark L. Wetzel, P.E., Superintendent
Daniel Van Schalkwyk, Town Engineer
Pamela J. Martin, Business Manager



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MONTHLY REPORT August, 2016

Below is a summary of the Ayer DPW's operations for the month of August. 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.

Engineering and Administration

- GIS mapping and inspections of stormwater outfalls as required by MS4 Permit
- Implemented outdoor water use ban as a result of drought conditions
- Completed East Main Street Water Main installation project including East Street and Fletcher Street
- Active involvement in Comprehensive Plan Committee
- Working on final design of Snake Hill Dog Park
- Began design of Sandy Pond Rd /Wright Road water main
- Re -bidding process for Water Division Garage
- Complete Streets Work Group met and identified potential projects
- Construction coordination for West Main Street Pumping Station
- Working on bid documents for Fuel Station Canopy
- Received bids for removal of old water storage tanks
- Began Pleasant Street CDBG grant improvement project – water main replacement
- Coordinated Pleasant Street Utility Pole Replacement with Verizon
- Completed installation of RTUS for Wastewater Pumping Stations and began testing alarm systems
- Managed meter upgrade project including scheduling and computer account changes
- Quarterly water and sewer bills were prepared and sent out for 3 routes
- Continuing implementation of Maintenance Edge Work Order Management System for WWTP and WTPs by adding scheduled equipment maintenance to the database
- Working with Town Administrator and MART on Rail Access and Commuter Parking Lot
- Reviewed and responded to questions and issues related to water and sewer bills
- Reviewed several subdivision / site plans for the Planning Board
- 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**
- Repaired pot holes and shoulders throughout town
- Installed new signs and / or repaired existing signs at various locations in town
- Repaired catch basins
- Weed whacking main roads
- Mowed Police Station, Town Hall, Rotary, Sandy Pond School and other areas in Town
- Performed beaver dam debris removal at the usual locations
- DPW garage / facility maintenance

Mark Wetzel P.E., Public Works Superintendent

DPW August 2016 Monthly Report

- 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 of August
- Total flow for the treatment plant was 36.5 million gallons with an avg. of 1.18 mgd
- Contractor hauled 20 loads of sludge.
- Implemented Mobile 311 into daily Pumping Station maintenance
- Implemented Maintenance Edge into WWTP maintenance work orders
- Performed mechanical maintenance on pump stations
- Backwashed filter units and cleaned UV system
- Replace Tank Drain Pump
- 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**
- Implemented outdoor water use ban enforcement including issuing written warnings and fines
- Spent a significant amount of time working with the contractor on the construction of East Main Street Water & Sewer Improvements to shut off mains and connect houses to new water pipe
- Working with the contractor on the construction of Pleasant Street water improvements to shut off mains and connect houses to temporary water pipe
- Replace hydrant on Jonathan Drive
- Added data to H2O Water Reporting software and **submitted** 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

**2016 ANNUAL PUMPING REPORT FOR THE
AYER DPW WATER DIVISION**

From: 2016-08-01 To: 2016-08-31

Annual Statistical Data	Well 1A - Spectacle Pond	Well 2 - Spectacle Pond	Well 6 - Grove Pond	Well 7 - Grove Pond	Well 8 - Grove Pond		Source Totals
Total Days Pumped - August 2016	30	31	30	30	30	0	31
Total Pumpage (MG) - August 2016	9.526	10.081	8.985	8.908	11.454	0	53.325
Total Pumping Days	30	31	30	30	30	0	31
Total Pumpage (MGY)	9.526	10.081	8.985	8.908	11.454	0.000	53.325
Average Daily Pumpage (MGD)	0.307	0.325	0.290	0.287	0.369	0.000	1.720
Maximum Daily Pumpage (MGD)	0.844	1.355	0.531	0.554	0.516	0.000	2.488
Maximun Daily Pumpage (Date)	2016-08-14	2016-08-17	2016-08-05	2016-08-05	2016-08-05		2016-08-05
Maximum Week Pumpage (MGW)	3.113	3.689	2.656	2.695	2.818	0.000	13.221
Maximum Week Pumpage (Date)	2016-08-01	2016-08-11	2016-08-17	2016-08-02	2016-08-15		2016-08-02

Solid Waste Division

- Normal transfer station operations including site clean-up, organization and monthly reports
- Cleaned up brush dump to begin screen loam
- Leaf hauling to brush dump / compost area off Bishop Road
- Coordinated solid waste / recycling disposal including waste oil, scrap metals, textiles
- Completed annual landfill monitoring

AYER DPW COMPLETED WORK ORDERS AUGUST 2016

	Address	Work Type	Date	Flagged By	Comments
0	long pond bridge	Misc Special Event	8/1/2016 10:16:41 AM	Highway	Repaired footing under bridge with concrete and stone
7	Depot Sq	Street Flags	8/1/2016 10:24:32 AM	Highway	Street Light Globe in front of Ye Olde Medicine Shoppe is broken. there are two extras in the shed, Please replace.
11	hibiscus road	Dig-Safe - Highway	8/1/2016 1:59:22 PM	Highway	Emergency sewer repair
25	Brook St	Town Hall/Library Trash	8/1/2016 2:02:42 PM	Highway	Town trash pickup Removed old trash cans put new trash cans in place
0	Main Street	Misc Special Event	8/2/2016 7:34:42 AM	Highway	Repair house foundation
123	Littleton road & 56 Littleton road	Dig-Safe - Highway	8/2/2016 1:30:51 PM	Highway	
54	& 83 Willard street	Dig-Safe - Highway	8/2/2016 1:32:23 PM	Highway	Sewer connections
81		Dig-Safe - Highway	8/2/2016 1:33:30 PM	Highway	Planting shrubs
4	Copland drive sandy pond	Dig-Safe - Highway	8/2/2016 1:34:26 PM	Highway	Install Ballards and repair culvert
5	road	Dig-Safe - Highway	8/2/2016 1:35:54 PM	Highway	Drainage repair
7	mountain view road	Dig-Safe - Highway	8/2/2016 1:36:47 PM	Highway	Remove and replace fence
115	Washington street	Dig-Safe - Highway	8/2/2016 1:37:56 PM	Highway	Gas service relocation
69	Washington street	Dig-Safe - Highway	8/2/2016 1:38:53 PM	Highway	Replacing retaining wall
75	pleasant street	Dig-Safe - Highway	8/2/2016 1:39:47 PM	Highway	Pole replacement
130	west Main Street	Dig-Safe - Highway	8/2/2016 1:40:33 PM	Highway	Planting shrubs
0	Washington street	Edging & Trimming	8/2/2016 1:41:46 PM	Highway	Mike and Dave weed whacking sidewalks
0	route 2a	Edging & Trimming	8/2/2016 1:43:35 PM	Highway	Bruce is cutting brush in the mb on 2a
24	Washington street	Misc Special Event	8/2/2016 1:45:14 PM	Highway	Met with homeowner about location of new tree to be planted and called digsafe
4	cope land drive	Complaint/Investigation - Stormwater	8/2/2016 1:51:07 PM	Highway	Investigate possible damaged drainage pipe
16	Jackson street	Dig-Safe - Highway	8/2/2016 2:06:29 PM	Highway	Excavate for walkway
	Pine Meadow Conservation Area	Downed Tree Removal	8/3/2016 12:39:23 PM	Highway	Cut two fallen trees across trail. See map
15	Littleton road	Dig-Safe - Highway	8/4/2016 2:09:05 PM	Highway	Install 2 fence posts
78	sandy pond road	Dig-Safe - Highway	8/4/2016 2:10:09 PM	Highway	Install sprinkler system
103	oak ridge drive	Dig-Safe - Highway	8/4/2016 2:11:08 PM	Highway	Regrade reloam front yard

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0	Groton Harvard road	Dig-Safe - Highway	8/4/2016 2:12:20 PM	Highway	Install anchor pole 8-1
0	central and columbia	Dig-Safe - Highway	8/4/2016 2:13:43 PM	Highway	Cathode protection
28	fletcher street	Dig-Safe - Highway	8/4/2016 2:14:49 PM	Highway	Remove 2 stumps
0	pleasant street	Dig-Safe - Highway	8/4/2016 2:15:48 PM	Highway	Replace poles and anchors
215	west Main Street	Dig-Safe - Highway	8/4/2016 2:16:48 PM	Highway	Replace poles
0	rotary by the car wash	Misc Debris Removal	8/5/2016 5:48:46 AM	Highway	Cut low branches on trees for mowing
0	main at	Misc Sidewalks	8/5/2016 2:21:33 PM	Highway	Bruce fixed side walk where it meets cross walk
12	high at	Dig-Safe - Highway	8/5/2016 2:22:54 PM	Highway	Gas leak repair
10	High at	Dig-Safe - Highway	8/5/2016 2:23:37 PM	Highway	Gas leak repair
123	Littleton rd	Dig-Safe - Highway	8/5/2016 2:24:53 PM	Highway	Excavation for catch basin
25	Brook St	Town Hall/Library Trash	8/5/2016 2:26:14 PM	Highway	Bruce did town trash town hall trash and library recycling
25	Brook St	Misc Debris Removal	8/5/2016 2:28:20 PM	Highway	Main st street sweeping
					Lazy Mary's parking lot fixed from wash out with millings
	Copland dr. lazy Mary's	Resurfacing Work	8/5/2016 2:32:12 PM	Highway	Lazy Mary's
25	Brook St	Catch Basin Repair	8/9/2016 7:07:39 AM	Highway	Hot topping around new lech basin behind the main garage.
0	Oak Ridge Dr and West Main St	Pavement Repair	8/9/2016 7:10:27 AM	Highway	Hot Topping Water Dept
0	Town Hall Ayer PD and Rotary are getting mowed this week.	Mowing	8/9/2016 7:17:14 AM	Highway	water dig repair trenches
68	Pearl St	Dig-Safe - Highway	8/9/2016 12:03:32 PM	Highway	Mowing TH Ayer PD and Rotary Wed
31	Nashua St	Dig-Safe - Highway	8/9/2016 12:07:15 PM	Highway	mark out stumps
8	Hibiscus Ln	Dig-Safe - Highway	8/9/2016 12:17:07 PM	Highway	mark out stumps
14	Brook St	Dig-Safe - Highway	8/9/2016 12:37:35 PM	Highway	mark out for sewer repair
0	Little Red School House	Mowing	8/11/2016 6:25:52 AM	Highway	mark out install fence
					Doug Wally & Dave M mowing the School House today
	East Street	Catch Basin Repair	8/11/2016 7:26:33 AM	Highway	Bringing new catch basin frames and covers down to East St so contractor can replace all old D-Frame basin frames before they leave 5 in all.
0	Groton road on grid row	Dig-Safe - Highway	8/11/2016 9:59:11 AM	Highway	Pole inspections
0	park street on grid row	Dig-Safe - Highway	8/11/2016 10:00:24 AM	Highway	Pole inspection

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0	Groton road on grid row	Dig-Safe - Highway	8/11/2016 10:02:09 AM	Highway	Pole inspection poles 29 - 41
115	Hickory Way	Dig-Safe - Highway	8/11/2016 1:29:36 PM	Highway	Mark out install sprinkler system
0	Main Street	Main St Trash	8/12/2016 8:36:36 AM	Highway	Dave m pick up trash
25	Brook St	Street Sweeping	8/12/2016 8:39:48 AM	Highway	Dave m swept Main Street
0	sedgeway	Misc Street Maintenance	8/12/2016 8:41:14 AM	Highway	Fill and compact washout in street and sides of road
0	snake hill road	Misc Special Event	8/12/2016 8:43:27 AM	Highway	Replace barrels with trash cans from Main Street
41	Shirley street	Dig-Safe - Highway	8/12/2016 1:10:59 PM	Highway	Install water and sewer
25	sandy pond road	Dig-Safe - Highway	8/12/2016 1:12:04 PM	Highway	Replace catch basin
0	Calvin street	Dig-Safe - Highway	8/12/2016 1:12:51 PM	Highway	Reclaim and pave
0	east main street	Dig-Safe - Highway	8/12/2016 1:13:31 PM	Highway	Mill and pave from elm to east street
0	east street	Dig-Safe - Highway	8/12/2016 1:15:29 PM	Highway	Mill and pave
0	fletcher street	Dig-Safe - Highway	8/12/2016 1:52:54 PM	Highway	Install water mains & services
17	Mountain Laurel Rd	Dig-Safe - Highway	8/16/2016 10:12:41 AM	Highway	mark out for home owner
23	Appleblossom	Dig-Safe - Highway	8/16/2016 10:19:57 AM	Highway	mark out
1	Main St	Sidewalk - Repair	8/17/2016 7:01:40 AM	Highway	Bruce & Dave M started the sidewalk repairs on the Town Hall sidewalk
	East Main & Maple St	Catch Basin Repair	8/17/2016 7:06:11 AM	Highway	We are doing a temp catch basin repair on basin on corner
60	Willard street	Dig-Safe - Highway	8/23/2016 8:57:35 AM	Highway	Fence installation rear property
12	high street	Dig-Safe - Highway	8/23/2016 8:58:40 AM	Highway	Emergency dig safe gas repair
0	scully road	Dig-Safe - Highway	8/23/2016 8:59:42 AM	Highway	Install foundation for addition
72	Washington street	Dig-Safe - Highway	8/23/2016 9:00:55 AM	Highway	Fence installation entire property
35	nemco way	Dig-Safe - Highway	8/23/2016 9:02:04 AM	Highway	Patching in parking lot
0	hemlock / hickory way	Dig-Safe - Highway	8/23/2016 9:03:06 AM	Highway	Connecting all utilities
0	Town Lawns	Mowing	8/24/2016 1:58:25 PM	Highway	Bruce and Dave mowed Rail Trail West Main St Bridge today.
143	Washington St	Downed Tree Removal	8/24/2016 2:01:00 PM	Highway	Doug got called in Sat night for a big Oak tree that fell across Washington St up just passed the Highschool.
0	Main St	Main St Trash	8/24/2016 2:02:17 PM	Highway	Dave M did trash on the Main St Friday and Monday
0	West Main St	Dead Animal Removal	8/24/2016 2:04:16 PM	Highway	Dave M and Bruce picked up dead Shunk off of West Main St

95	W Main St	Dead Animal Removal	8/24/2016 2:05:34 PM	Highway	Mike and Dave M picked up dead beaver off of West Main St Bruce was out with the brush hog and cut Pringy Hill and Shaker Rd part of East Main by spillway
0	Town Roads	Edging & Trimming	8/24/2016 2:09:01 PM	Highway	Copeland Dr.
3	Nashua street	Dig-Safe - Highway	8/25/2016 12:26:56 PM	Highway	Remove and replace driveway
78	holly ridge road	Dig-Safe - Highway	8/25/2016 12:27:56 PM	Highway	Irrigation installation
0	high school Washington street	Downed Tree Removal	8/25/2016 12:29:23 PM	Highway	Dave m cleaning up brush from fallen tree
100	Groton Harvard road	Dig-Safe - Highway	8/26/2016 1:11:45 PM	Highway	Soil boring / install monitoring well
40	Groton Harvard road	Dig-Safe - Highway	8/29/2016 1:16:55 PM	Highway	Grading front lawn
	Wright Way and Hedgeway	Weekly Inspection	8/29/2016 2:12:53 PM	Highway	Bryan and John L checked the 2 mans, no problems
100	Groton Harvard Rd	Dig-Safe - Wastewater	8/29/2016 2:13:42 PM	Highway	Bryan marked the property "No Sewer"
	Washington St By Schools	Add New Sign	8/30/2016 8:31:54 AM	Highway	Bruce is installing 2 new crosswalk signs up by school crosswalk
0	Town Lawns	Mowing	8/30/2016 8:34:43 AM	Highway	Bruce and Dave M mowed all of town lawns that needed it Thursday Friday & Monday
0	Main St	Main St Trash	8/30/2016 8:37:49 AM	Highway	Bruce & Dave M did Main St and Town Hall trash
	WWTP	Jetting/Cleaning	8/3/2016 6:51:41 AM	Wastewater	Bryan and Shanahan replaced the spray gun fittings, rusted out, and replaced the ball valve for the drain, the valve broke when trying to close it. It was replaced with brass.
5	Sandy Pond Rd	Dig-Safe - Wastewater	8/3/2016 6:57:04 AM	Wastewater	8/1-8/2 Bryan marked the property to the street
11	Hibiscus Ln	Dig-Safe - Wastewater	8/3/2016 2:03:51 PM	Wastewater	Bryan marked the street and the property. 8/1
5	Sandy Pond Rd	Dig-Safe - Wastewater	8/3/2016 2:06:51 PM	Wastewater	Bryan marked the street and the property
115	Washington St pole 8-1 Groton Harvard Rd	Dig-Safe - Wastewater	8/3/2016 2:08:14 PM	Wastewater	Bryan marked the property 8/3
		Dig-Safe - Wastewater	8/3/2016 2:10:20 PM	Wastewater	Bryan marked the property 8/3
16	Jackson St	Dig-Safe - Wastewater	8/3/2016 2:11:47 PM	Wastewater	Bryan marked the street and the property
24	Washington St	Dig-Safe - Wastewater	8/3/2016 2:12:58 PM	Wastewater	Bryan marked the property 8/3

	Sculley Rd	Jetting/Cleaning	8/5/2016 1:57:39 PM	Wastewater	Bryan and John jetted from the trouble spot to up the hill, a lot of grit. Bryan marked the street and no sewer on the
103	Oakridge Dr	Dig-Safe - Wastewater	8/5/2016 2:00:36 PM	Wastewater	property
78	Sandy Pond	Dig-Safe - Wastewater	8/5/2016 2:02:17 PM	Wastewater	Bryan marked the street and the property
141	Snake Hill Rd	Dig-Safe - Wastewater	8/15/2016 1:29:00 PM	Wastewater	Already marked
115	Hickory Way	Dig-Safe - Wastewater	8/15/2016 1:30:29 PM	Wastewater	Bryan marked the property
	Fletcher St	Dig-Safe - Wastewater	8/15/2016 1:31:36 PM	Wastewater	Bryan marked the street and all properties within
	East St	Dig-Safe - Wastewater	8/15/2016 1:33:15 PM	Wastewater	Cedrones marks
					Bryan marked the street and the properties
					Bryan and David jetted and camerad from
					Williams St 100' going to
					Cambridge St until we hit
					roots that covers about
					half the pipe. We jetted
					again but could not clear
					enough of the roots to get
					the camera past them, we
					are looking in to getting a
					cutter attachment that
					will be easy on clay and
					asbestos pipe.
	Cambridge St/Williams St	Jetting/Cleaning	8/16/2016 1:47:52 PM	Wastewater	
	Park St	Dig-Safe - Wastewater	8/17/2016 12:33:13 PM	Wastewater	No sewer
	Groton Rd	Dig-Safe - Wastewater	8/17/2016 12:35:33 PM	Wastewater	No Sewer
	Groton Rd	Dig-Safe - Wastewater	8/17/2016 12:36:56 PM	Wastewater	No Sewer
	East Main St	Dig-Safe - Wastewater	8/17/2016 12:37:50 PM	Wastewater	already marked
	Calvin St	Dig-Safe - Wastewater	8/17/2016 12:38:49 PM	Wastewater	Bryan and David marked the street and all
					properties
					Bryan and David marked
25	Sandy Pond Rd	Dig-Safe - Wastewater	8/17/2016 12:40:11 PM	Wastewater	the property and the
					street
					Bryan and David marked
23	Apple Blossom Dr	Dig-Safe - Wastewater	8/17/2016 12:41:21 PM	Wastewater	the property and the
					street
					Bryan and David marked
16	Mountain Laurel Rd	Dig-Safe - Wastewater	8/17/2016 12:42:30 PM	Wastewater	the property and the
					street
					Bryan and David marked
41	Shirley St	Dig-Safe - Wastewater	8/17/2016 12:43:48 PM	Wastewater	the street
					Bryan and David marked
					the area they will be
35	Nemco Way	Dig-Safe - Wastewater	8/17/2016 12:45:05 PM	Wastewater	working "no sewer"

72	Washington St	Dig-Safe - Wastewater	8/17/2016 12:46:39 PM	Wastewater	Bryan and David marked the street and the property
29	Saratoga Blvd	Dig-Safe - Wastewater	8/17/2016 12:47:44 PM	Wastewater	no ayer sewer, on Devens
	Around the town	Inspection - Wastewater	8/17/2016 1:18:12 PM	Wastewater	Bryan and David checked all the easements to see if they needed to be cleaned up. There is some growth that needs to be cut back at the end of Rosewood and a little cleaning up on Marshall
	WWTP	Misc Wastewater Work Order	8/19/2016 11:36:42 AM	Wastewater	
25	Brook St	Repair Manhole	8/19/2016 4:04:10 PM	Wastewater	Washed down clarifier #1 Fix manhole cover in DPW parking lot
25	Brook St	Repair Manhole	8/25/2016 1:05:03 PM	Wastewater	Tuesday David and Bryan raised and replaced the manhole that was sinking outside in the driveway near the front of the office
	Douglas Dr	Repair Manhole	8/25/2016 1:09:26 PM	Wastewater	Bryan and David repaired and replaced the manhole on Douglas Dr Wednesday
	Hemlock Dr/Hickory Way	Dig-Safe - Wastewater	8/25/2016 1:25:01 PM	Wastewater	
12	High St	Dig-Safe - Wastewater	8/25/2016 2:15:58 PM	Wastewater	Bryan marked the street Bryan marked the property and the street
48	Pearl St	Dig-Safe - Wastewater	8/25/2016 2:17:38 PM	Wastewater	Rick marked the property and the street
60	Willard St	Dig-Safe - Wastewater	8/25/2016 2:19:18 PM	Wastewater	Bryan marked the property and the street
	Tri Moore lumber yard	Dig-Safe - Wastewater	8/25/2016 2:20:25 PM	Wastewater	Bryan marked the property around the work site
3	Nashua St	Dig-Safe - Wastewater	8/25/2016 2:21:42 PM	Wastewater	Bryan marked the street and the property
121	Oak Ridge Dr	Dig-Safe - Wastewater	8/25/2016 2:23:11 PM	Wastewater	Not on town sewer
78	Holly Ridge Rd	Dig-Safe - Wastewater	8/25/2016 2:24:15 PM	Wastewater	Bryan marked the property
	Central Ave/Main Pump Station	Clean Wet Well	8/26/2016 2:01:30 PM	Wastewater	Bryan and David cleaned the bar racks and removed old rags at both stations
25	Brook St	CCT Sewer Pipe	8/26/2016 2:02:39 PM	Wastewater	Bryan and David camerad the line from the corner of the office to just past the flagpole where they located the next manhole, which was buried under 2' of stone, they found in that manhole is where the services from the office

and the highway garage
bathrooms go in to

3	Mnt Laurel	Final Read	7/19/2016 2:37:45 PM	Water	Final read from radio
					Upgraded wire and radio.
45	Groton Harvard Rd	New Meter Installation	7/26/2016 6:27:19 AM	Water	Talked with customer about a second meter.
					Hooked up house to new service line. Replaced a broken meter, and
49	East Main St	Water Service Work	7/26/2016 6:29:02 AM	Water	upgraded to radios.
					Hooked up house to new service. Replaced a broken tail fitting. Upgraded wire and radio. Flushed service line
53	East Main St	Water Service Work	7/26/2016 6:31:11 AM	Water	Hooked up new service line. Someone replaced ball valve and fittings on service line, but did poor work. I repaired it, added a new tail fitting, flushed service line
103	East Main St	Water Service Work	7/26/2016 6:33:22 AM	Water	Located curb stop, cut open pavement, blew out broken gate box, shut off curb stop. Plumber repaired, and added second meter. I upgraded domestic meter, wire, and radio. Turned curb stop back on.
17	Taft	Water Service Work	7/26/2016 6:36:57 AM	Water	Hook houses back up to new service lines
0	East Main St	Water Service Work	7/27/2016 6:11:59 AM	Water	Upgraded meters and radios
76	East Main St	New Meter Installation	7/28/2016 6:28:04 AM	Water	Final read from radio
1	b Bayberry	Final Read	7/28/2016 6:31:52 AM	Water	Unhooked houses from temporary water main, and hooked up new service lines, and flushed line.
0	East main st	Water Service Work	7/28/2016 6:32:43 AM	Water	Unhooked temporary water service lines and hooked up new service lines and flushed.
0	East Main Street	Water Service Work	7/29/2016 6:16:12 AM	Water	Daily lab, rounds, seek remaining Lead and Copper samples
99	Barnum Rd	Misc Water Work Order	7/29/2016 1:10:04 PM	Water	Daily lab, rounds, Lead and Copper, Water Ban enforcement
99	Barnum Rd	Misc Water Work Order	7/29/2016 1:14:43 PM	Water	

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99	Barnum Rd	Misc Water Work Order	7/29/2016 1:15:58 PM	Water	Chemical delivery , both plants
99	Barnum Rd	Misc Water Work Order	7/29/2016 1:17:05 PM	Water	Lab, rounds, Lead and Copper
33	3rd St	Water Service Work	8/1/2016 2:00:16 PM	Water	Read meter route
					Filled a void in basement next to meters. Some washout occurred during service line replacement.
35	East main	Water Service Work	8/1/2016 2:01:21 PM	Water	Dump run
33	3rd St	Water Service Work	8/1/2016 2:03:57 PM	Water	Final read off meter.
					Upgraded meter wire and radio
139	Central Ave	Final Read	8/2/2016 10:02:12 AM	Water	Read meter route
33	3rd St	Water Service Work	8/2/2016 10:04:02 AM	Water	Admin. and prepare for, attend Foreman's meeting
99	Barnum Rd	Misc Water Work Order	8/3/2016 6:58:46 AM	Water	Collect Lead and Copper samples and bring to lab.
99	Barnum Rd	Misc Water Work Order	8/3/2016 7:00:56 AM	Water	Treatment plant maint.
99	Barnum Rd	Misc Water Work Order	8/3/2016 7:05:25 AM	Water	Rounds, lab
99	Barnum Rd	Misc Water Work Order	8/3/2016 7:10:04 AM	Water	Rounds, lab
99	Barnum Rd	Misc Water Work Order	8/3/2016 7:13:42 AM	Water	Bac, chlorine, and misc. water sampling and deliver to lab
	Barnum Rd	Water Quality Sampling	8/3/2016 7:15:18 AM	Water	
3	Groton Harvard Rd	Pipe Replacement - Water	8/3/2016 7:16:36 AM	Water	Out with Cedrone pick up service truck from shop, clean and begin restocking
99	Barnum Rd	Misc Water Work Order	8/3/2016 7:17:58 AM	Water	
99	Barnum Rd	Misc Water Work Order	8/3/2016 7:19:16 AM	Water	
	/34 Sandy pond				Final read. Upgraded meter wire radio
75	Rd	Final Read	8/3/2016 2:25:44 PM	Water	Read meter route
29	3rd St	Water Service Work	8/3/2016 2:27:04 PM	Water	Installed water only meter
9	Patricia Ln	New Meter Installation	8/4/2016 11:47:47 AM	Water	Installed new meter and radio. Turned on water
125	Haymeadow Ln	New Meter Installation	8/4/2016 11:49:21 AM	Water	Installed new meter and radio. Turned on water
121	Haymeadow Ln	New Meter Installation	8/4/2016 11:50:22 AM	Water	Upgraded meter wire and radio
139	Central Ave	New Meter Installation	8/4/2016 11:52:38 AM	Water	Read small meter route
0	schools	Water Service Work	8/4/2016 11:53:54 AM	Water	Repaired damaged wire on meter, final read
38	Norwood Ave	Final Read	8/8/2016 2:20:31 PM	Water	Upgraded meter wire and radio . Talked to customer about water only meter
42	Highland Ave	New Meter Installation	8/8/2016 2:21:53 PM	Water	Talked with Mark about several water related topics. Called for prices on new meters for Page Hilltop school. Set up a demonstration for pacific trek vacuumed, gate turner. Talked to Buxton
29	3rd St	Water Service Work	8/8/2016 2:28:25 PM	Water	

						about future repair at Old Town Village
16	Jonathan Dr	Hydrant Replacement	8/8/2016 2:36:08 PM	Water		Installed a 12" hydrant riser on new Kennedy hydrant
95	Washington St	Final Read	8/9/2016 10:44:01 AM	Water		Final read from radio and meter
29	Highland Ave	New Meter Installation	8/9/2016 10:44:57 AM	Water		Upgraded meter wire and radio
33	3rd St	Water Service Work	8/9/2016 10:49:46 AM	Water		Cleaned and organized, restocked Ranger. Cleaned garage. Met with Cindy Knox to set up e mail and computer
33	3rd St	Water Service Work	8/9/2016 2:17:05 PM	Water		Meter inventory. Checked for a closed gate on Grove St, found partiality closed gate at Grove and Church. Found and exercised gate to shut down Third St for Tie in.
0	Weast Main, Groton Shirley Rd, Snake Hill Rd	Flushing	8/17/2016 6:28:57 AM	Water		Flushed hydrants
55	Littleton Rd/ 5D Crab tree booster station, Spec pond plant, water tower	Homeowner Follow-Up - Water	8/17/2016 6:30:19 AM	Water		Met with homeowner about dirty, smelly hot water.
0	east end	Water Service Work	8/17/2016 6:32:03 AM	Water		Cut grass and weed whacked
0	Washington St	Dig-Safe - Water	8/17/2016 6:33:51 AM	Water		Flush new water pipe connections
115	Jackson St	Dig-Safe - Water	8/17/2016 6:45:56 AM	Water		Digsafe
12	Littleton Rd	Dig-Safe - Water	8/17/2016 6:46:51 AM	Water		Digsafe
54,56	Groton Harvard Rd and Page St	Dig-Safe - Water	8/17/2016 6:47:48 AM	Water		
33	Highland Ave	Valve Exercise	8/17/2016 6:51:01 AM	Water		Shut down, fill and flush main
99	Barnum Rd	Dig-Safe - Water	8/17/2016 6:52:03 AM	Water		emergency
99	Barnum Rd	Misc Water Work Order	8/17/2016 6:54:24 AM	Water		Admin, prep for and attend Foremans meeting
99	Page St and Groton Harvard	Valve Exercise	8/17/2016 6:56:42 AM	Water		Shut down, turn on and flush Page and Groton Harvard
2	Barnum Rd	Misc Water Work Order	8/17/2016 6:57:51 AM	Water		daily rounds, lab
4	Sandy Pond Rd	Valve Exercise	8/17/2016 6:59:48 AM	Water		work gates for shutdown
4	Marshall St	Valve Exercise	8/17/2016 7:01:34 AM	Water		work gates for shutdown
19	Fletcher St	Valve Exercise	8/17/2016 7:03:12 AM	Water		clean out box, work gate for shutdown

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10	Whitcomb Ave	Valve Exercise	8/17/2016 7:04:52 AM	Water	clean out box, work gate for shutdown
99	Barnum Rd	Misc Water Work Order	8/17/2016 7:06:10 AM	Water	Daily rounds, lab
99	Barnum Rd	Misc Water Work Order	8/17/2016 7:07:20 AM	Water	Daily rounds, lab
85	E Main St	Water Service Work	8/17/2016 7:13:15 AM	Water	unplug block service w/ cable
99	Barnum Rd	Misc Water Work Order	8/17/2016 7:15:06 AM	Water	rounds, lab, batch
93	E Main St	Dig-Safe - Water	8/17/2016 7:16:05 AM	Water	Digsafe
36	Fletcher St	Dig-Safe - Water	8/17/2016 7:16:52 AM	Water	Digsafe
10	East St	Dig-Safe - Water	8/17/2016 7:17:33 AM	Water	Digsafe
4	Marshall St	Valve Exercise	8/17/2016 7:18:58 AM	Water	work gates for shutdown on 8/15
99	Barnum Rd	Misc Water Work Order	8/17/2016 7:20:59 AM	Water	daily rounds
99	Barnum Rd	Misc Water Work Order	8/17/2016 7:21:52 AM	Water	Admin
					shut down multiple gates for East St connection, turn back on , fill and flush main
10	East St	Valve Exercise	8/17/2016 7:24:22 AM	Water	
	Shelly Lane	Flushing	8/17/2016 7:29:07 AM	Water	
10	East St	Flushing	8/17/2016 7:29:49 AM	Water	
14	3rd St	Flushing	8/17/2016 7:30:30 AM	Water	
99	Barnum Rd	Misc Water Work Order	8/17/2016 7:31:37 AM	Water	Admin
29	Hatch St	New Meter Installation	8/17/2016 1:36:35 PM	Water	Upgraded radio
					Upgraded meter wire and radio
18	Hatch St	New Meter Installation	8/17/2016 1:37:23 PM	Water	Upgraded radio
7	Hatch St	New Meter Installation	8/17/2016 1:38:13 PM	Water	Upgraded radio
15	Hatch st	New Meter Installation	8/17/2016 1:38:48 PM	Water	Upgraded radio
					Upgraded radio wire and meter
16	Hatch St	New Meter Installation	8/17/2016 1:39:39 PM	Water	Upgraded radio
166	Willard St	New Meter Installation	8/17/2016 1:40:28 PM	Water	Upgraded radio
180	Willard St	New Meter Installation	8/17/2016 1:41:07 PM	Water	Upgraded radio
					Upgraded meter wire and radio
173	Willard St	New Meter Installation	8/17/2016 1:41:59 PM	Water	Upgraded meter wire and radio
25	Myrick St	New Meter Installation	8/17/2016 1:42:39 PM	Water	Repaired and flushed hydrant, near tanker fill pipe.
0	Waste water treatment plant	Hydrant Replacement	8/19/2016 6:15:53 AM	Water	Cleaned pipe, hydrant storage area. Removed some saplings, straightened out stuff laying around
0	Grove plant	Hydrant Replacement	8/19/2016 6:28:13 AM	Water	Met with contractors to survey site for old water tank demo
0	Washington St stand pipe	Water Service Work	8/19/2016 6:30:53 AM	Water	
116	Washington St	Grounds Maintenance -	8/22/2016 9:59:48 AM	Water	grounds at standpipe
112	Washington St	Grounds Maintenance -	8/22/2016 10:03:00 AM	Water	grounds around perimeter fence , tank
		Water			
		Booster Pump Station	8/22/2016 10:06:10 AM		
99	Barnum Rd	Maintenance	AM	Water	
186	-154 Willard st	New Meter Installation	8/26/2016 5:56:50 AM	Water	Upgraded meters and radios

28	/6b west st	Final Read	8/26/2016 5:58:22 AM	Water	Final read and upgraded meter and radio
25	GrosvenorSt	New Meter Installation	8/26/2016 5:59:29 AM	Water	Went to upgrade meter, but a cabinet is built over it. Plumber will move plumbing, and I will upgrade when plumbing is finished.
5	Groton Harvard Rd	New Meter Installation	8/26/2016 6:01:41 AM	Water	Put meter back in service. Meter was removed so homeowner could flush house. The water was very dirty after new main tie in, so we flushed main, and let them flush house for a few days. Water quality in house is better.
33	3rd St	Water Service Work	8/26/2016 6:05:36 AM	Water	Came in early looking for water ban violators
33	3rd St	Water Service Work	8/26/2016 6:08:15 AM	Water	Pacific Tek vacuum trailer demo
85	Off Groton school Rd	Final Read	8/26/2016 12:50:23 PM	Water	Final read off meter and radio
78	Holly Ridge Rd	New Meter Installation	8/26/2016 12:51:12 PM	Water	Installed second meter for water only
15	Loon Hill	Complaint/Investigation - Water	8/26/2016 12:52:55 PM	Water	High water usage complaint. Found faulty plumbing. A valve was turned on that let domestic meter and water only meter both feed. Turned off valve, but recommend plumbing fix.
33	3rd St	Misc Water Work Order	8/26/2016 1:11:20 PM	Water	Went to J&S to get signs for water ban made.
32	Laurel Rd	Misc Water Work Order	8/26/2016 1:35:45 PM	Water	Water Ban Enforcement
10	Pleasant St	Water Service Work	8/26/2016 1:36:47 PM	Water	
99	Barnum Rd	New Meter Installation	8/26/2016 1:38:15 PM	Water	Scott out , Brian did meter appts.
99	Barnum Rd	Misc Water Work Order	8/26/2016 1:39:37 PM	Water	Daily lab and rounds
99	Barnum Rd	Dig-Safe - Water	8/26/2016 1:40:44 PM	Water	Multiple digsafes
50	Main St	Valve Exercise	8/26/2016 1:43:10 PM	Water	townwide vac trailer demo on water gates
99	Barnum Rd	Misc Water Work Order	8/26/2016 1:45:04 PM	Water	disassemble old hydrants for repair parts
99	Barnum Rd	Misc Water Work Order	8/26/2016 1:46:00 PM	Water	daily lab and rounds
60	Barnum Rd	Misc Water Work Order	8/26/2016 1:47:17 PM	Water	Water ban Enforcement
99	Barnum Rd	Misc Water Work Order	8/26/2016 1:48:07 PM	Water	Daily lab and rounds
	end of Nemco Way	Misc Water Work Order	8/26/2016 1:49:04 PM	Water	Plant maint.
	pleasant and Main St	Valve Exercise	8/26/2016 1:52:14 PM	Water	try to get lower Pleasant St shutdown

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4	Marshall St end of Nemco Way	DEP Report	8/26/2016 1:53:09 PM	Water	admin
	Way end of Nemco Way	Misc Water Work Order	8/26/2016 1:53:59 PM	Water	daily rounds and lab
	Mountain	Misc Water Work Order	8/26/2016 1:54:51 PM	Water	plant maint.
36	Laurel Rd	Misc Water Work Order	8/26/2016 1:55:39 PM	Water	water ban enforcement
38	Old Farm Way	Misc Water Work Order	8/26/2016 1:56:26 PM	Water	water ban enforcement
			8/29/2016 10:56:08		
1	Hibiscus Ln	Misc Water Work Order	AM	Water	enforce water ban
			8/29/2016 10:57:09		assist in setting up for 24
99	Barnum Rd	Water Quality Sampling	AM	Water	hour MPA sampling Grove
			8/29/2016 10:57:49		
33	3rd St	Water Service Work	AM	Water	Dump run
					Admin. and prepare for
			8/29/2016 10:58:13		and attend Foremans
99	Barnum Rd	Misc Water Work Order	AM	Water	meeting