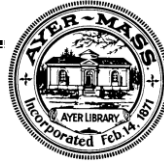


DEPARTMENT OF PUBLIC WORKS

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MONTHLY REPORT October, 2015

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

- Presented four articles for Fall Town Meeting including analysis of impacts for Water & Sewer Senior Discount and Road Acceptance.
- Provided Engineering Services During Construction for Transfer Station Site Improvements Contract
- Provided Engineering Services During Construction for Washington Street water main and drainage replacements Contract
- Working with engineering consultant on finishing the report on WWTP evaluation and improvements
- Working on GIS mapping and condition assessments of drainage system
- Coordinated/inspected/ reviewed projects for Planning Board including Family Dollar, 15 Littleton Road, Catania Spagna water / sewer relocations, Kohler Place
- Active involvement in Comprehensive Plan Committee including presentations at committee meetings
- Working on site design of West Main Street Pumping Station
- Design of Water Division Garage
- Design of Fuel Station Canopy
- Construction coordination for Pingry Hill Water Tank
- Evaluated Wastewater SCADA system for required upgrades / programming
- Construction coordination for Stony Brook Wastewater Pumping Station Replacement Project
- Working on final design of Pleasant Street CDBG grant improvement project
- Continuing development of 5 year DPW Capital Improvement Plan (CIP)
- Managed meter upgrade project including scheduling and computer account changes
- Quarterly water and sewer bills were prepared and sent out
- 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 Division

- Cleared graded and placed gravel for 0 Park Street behind Fire Station
- Painted bike lane / lines on Central Avenue
- Painted lines / arrows / parking on Copeland Drive
- Repaired / rebuilt 6 catch basins
- Paving around catch basin / manhole / drain projects
- Repaired pot holes throughout town

Mark Wetzel P.E., Public Works Superintendent

- Installed 3 new signs throughout town
- Street sweeping on Main Street, East Main Street and other main roads throughout Town
- Grading and compacting Wagon Road
- Picked up and disposed of 3 dead skunks at locations in Town
- Performed beaver dam debris removal at the usual locations
- Painted poles / lights at Carlton Circle Rotary
- Mowing of Rotary, Town Hall, Police Station, Sandy Pond School and roadways
- Marking locations of catch basins for winter clearing
- Preparing sanders and plows for winter season
- Mixing salt for winter
- Relocated sand shed at DPW entrance
- DPW yard maintenance including tree limb removal
- Roof repairs to DPW storage facilities
- Equipment and vehicle maintenance
- Trash and recycling pickup at numerous locations in town
- Completed large number of DIGSAFE mark-outs

Water Division

- Worked with Devens opening and closing bypass for airfield
- Prep and pave West Main st trench
- Worked with contractor at Family Dollar witnessing installation, pressure testing, remove and plug corp and chlorination two times.
- Removed trees and stumps at Grove Pond WTP
- Met with H2O Software and began implementation of Water Reporting software
- Re-plumbed permanganate lines at Spec Pond
- Attended seminar for Leak Detection
- Perfuming DEP Q4 sampling and begin Lead and Copper sampling townwide
- Met with contractor to begin water main extension Wright Rd
- New firewall installed Grove Pond SCADA system
- Completed air scouring filters at Spec Pond WTP
- Began 5 Shirley St service relocation
- Loam and seed hydrant replacement jobs
- Marked out, cleaned and exercised gates, also hooking up temporary water services, shutting down old main , bag hydrants, detour signs and blockades for Cedrone Washington St water project
- Performed seasonal water system flushing
- Cleaned and re-plumbed Turbidity and pH meters and probes Grove Pond WTP
- Worked with contractor to isolate water main and witness pressure testing and bacteria sampling at Catania Spagna
- Maintenance of chemical feed systems at Grove Pond WTP
- Maintenance of chemical feed systems at Spec Pond WTP
- Repaired major water main break on West Main Street (at Fire Station)

- Service installation inspections Pingry Hill Phase 5 and Willows
- Performed testing of new KOH systems at Spec Pond WTP
- Upgraded alarms 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

Wastewater Division

- Total flow for the treatment plant was 32.5 million gallons with an Avg. of 1.087 mgd
- Total solids removal of 99.6%
- Contractor hauled 30 loads of sludge for a total of 270,000 gals
- NEPS permit compliance of 100.0%
- Jetting and video inspection of sewer lines at Washington, East Main, Bligh Streets
- Repaired sewer line on Groton School Road
- Repaired 4 Manhole structures
- Performed mechanical maintenance on pump stations, including pulling pumps and inspecting bearings and seals, plus replacing vacuum lines and cleaning or replacing globes.
- Working with contractor during construction of Stony Brook Pumping Station
- Pilot -tested sewer inspection system (Infosense Sewer Rat)
- Heating system started up and serviced
- Performed maintenance on clarifier drives including oil, grease, and replacing seals.
- Washed down secondary clarifiers and outfall, cleaning of tertiary fitters and UV system.
- Performed daily inspections of wastewater pumping stations
- Performed daily operations, laboratory testing and reporting for WWTP
- Completed 85 DIGSAFE mark-outs
- Completed and submitted Monthly Operations Report for DEP and EPA

Solid Waste Division

- Prepared and submitted Transfer Station Operation Certification to MassDEP
- Constructed parking lot resurfacing and concrete pads
- Coordinated operations during construction
- Normal transfer station operations including site clean-up, organization and monthly reports
- Leaf hauling to brush dump / compost area off Bishop Road
- Coordinated solid waste / recycling disposal including waste oil, scrap metals, textiles