

## Public Works Department

2005 was a busy year for the Lincoln Public Works crew. We had our usual spring jobs, including sweeping, hydrant flushing, and painting of the town roads, crosswalks, and parking places on Main Street. We also performed the burials at the cemetery that could not be done during the colder months.

In May we began three big projects:

- **The Route 3 Water project:**

This project went very well, with just a few unanticipated difficulties. We had relatively few water outages, considering the size of the job, and we were able to keep water on through 95 percent of the project. The general contractor, Lyman Construction, was great to work with. The company's employees have considerable experience in pipe laying. Although 2005 was the wettest year in a very long time, the company kept on schedule and actually ended a couple of weeks ahead of schedule. The project resulted in improved water pressure and more reliable service on Route 3, along with enhanced fire protection capabilities. The job also came in under the bid price. So overall, it was a winning situation.

- **The Cold Spring Well project:**

This project was a little slower going than Route 3. It involved putting an addition that consisted of an underground vault at the well head so that we could

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increase our water treatment capabilities. One of the first steps was to relocate utilities so that they would not be in the way of the new addition. The Public Works crew was able to do a lot of this work. We moved water lines, underground electric, and we excavated for a backup generator that would be installed. A 20' x 20' addition was poured and a concrete slab was put on for a roof. The next step was performing all mechanical and plumbing work needed for the addition of sodium bicarbonate, which we use to raise the alkalinity of the water. This makes the water less corrosive; helping to prevent erosion of your copper pipes. By year end, this job was 95 percent or more complete. When weather permits, the final step will be to cover the roof with good fill. The Cold Spring Well project was needed to accommodate future demands for water that will occur because of new development in town. For this reason, we were able to get four local developers who have projects underway in town to fund the project.

- **The Loon Booster Station:** This was a project that, again, the town crew was very much involved in. We did all the mechanical piping and pump installation. Ellis Engineering did the design and the telemetry (a way of communicating from one

location to another by means of instrumentation.) Harrington Electric handled the main power requirements. This project was needed because of increased demand in the east end of town due to new development. The new pumps are rated at 480 gallons per minute, compared to 300 gallons per minute for the old ones. Saber Mountain Partners LLC paid for this project.

Other projects included:

- **Sewer System Improvements:** In 2005 the Town bought aerator covers for three of the aerators that get the most use at the sewer lagoons. The covers have several benefits: 1) They keep the water vapor that is generated from the aeration off the wires and motors; 2) They eliminate the need to overhaul the aerators because of water damage that occurs when they tip over due to excess weight from ice buildup; and, 3) The Public Works crew no longer has to go out on the icy lagoons in winter time to perform maintenance work. This was a dangerous situation for our crew, and it needed to be addressed. So far, the covers are working great. We also purchased a screen for the head works at the sewer lagoons. This will keep all of the non-septic debris out of the lagoons. As a result, we will avoid

having the lagoons filled with organic and non-organic material, such as rags, gravel, grass, plastic, and all the things that somehow find their way into the sewer system.

- **New Ball Field:** The new ball field located behind the high school is just about done. There are some drainage issues still to be dealt with, but for the most part, the ball field looks great. The general contractor, J & M Donahue Construction, did a nice job, as did Fred Englert and all the other subcontractors that were involved.

Our crew was also involved in a few jobs that had been started prior to 2005 that needed to be completed this year. These included the Mansion Hill and Pollard Road drainage projects.

I would like to thank Vic Aldridge and Joe Huot for their help in keeping the grass mowed and trimmed around town. Thanks also to my crew for all your help. Nice job.

Respectfully submitted,

Bill Willey, Public Works  
Superintendent