

### ***Water Line Improvements***

A 12" water line installation was installed in Middlesex Turnpike from Bedford Street to Terrace Hall Avenue.



*New Water Line Installment Middlesex Turnpike  
(Photo taken by Dennis Fitzgerald)*

### ***Special Projects***

The removal, improvements and the installation of a new roof and roofing was performed on the "old" roof of the Police Station.

Improvements to the water and sewer garage roof were completed.

Monitoring of the construction of the new Water Treatment Plant on Middlesex Turnpike was completed. The plant started pumping water for the Town in April 1999.

### ***Street Acceptance Program***

As part of our program to accept streets as public ways, the Engineering Staff performed the necessary work so that Theresa Avenue could be accepted in 1999.

A total of 130 street opening permits and 45 sewer connection permit were issued.

### ***Drainage Improvements***

This included the design data and the installation of drainage systems on Wheatland Street and Richfield Street which were completed.

I would like to thank the members of the Engineering Staff for their assistance and continued support.

Respectfully submitted,

Pete G. Peters, P.E.  
Town Engineer

### **HIGHWAY DIVISION**

The Highway Division conducted its regular maintenance of the roadways, drainage easements, street signs, fences, guardrails, catch basin cleaning and the removal of snow and ice from our road surfaces. Burlington experienced 10 snowstorms during 1999, with a total snowfall of 41½ inches.

During the winter season the Division spent many hours plowing and sanding streets, repairing snow plow damage such as mailbox replacements, fence and guardrail repair, and the removal of fallen trees.

The months of April and May were spent sweeping sand from the sidewalks and scraping heavy sand from our roadways. One rented Elgin sweeper from C.N. Wood and our own sweeper swept the entire town including all public buildings.

Special Projects during the months of June thru September included:

- Installation of 300' of drainpipe on Sandy Brook Road
- Installation of new guardrail on Patriot Road
- Delivery of leaf bags
- Brush cutting throughout the town
- Stop lines and crosswalks painted in various areas of town
- Damaged driveway aprons and berms repaired
- Cleaning of all catch basins and drain manholes
- Burlington Ice Palace: installed drain manhole in the front of the building
- Burlington Ice Palace: excavated and repaired the walkway
- Backed up behind new berm on Cathy Road, Carter Road and Doris Street
- Installed new sidewalk on Westwood Street
- Repaired damaged guardrail at Middlesex Turnpike and Burlington Mall Road
- Installed eight handicapped ramps on Winn Street
- Resurfaced section of Beaverbrook Road due to a water break

The following roads were paved:

- Middlesex Turnpike from Meadow Road to the Ground Water Treatment Plant
- Westwood Street sidewalk and machine berm
- Ardmore Avenue from Harriett Avenue to the dead end
- Johnson Road from Keans Road to the dead end

- Martin Street from Whitney Street to Gibson Street
- Fox Hill Road/Westwood Street intersection machine berm sidewalks
- Bedford Street new driveway at the Bedford Street Sewer Station
- Town Hall machine berm in the parking lot
- Human Resource Building machine berm and sidewalk
- Chestnut Hill Cemetery paved three roadways
- Pine Glen School new parking area along side of building
- Burlington High School paved new section of student parking lot

Painting was done at the following locations:

- High School, Marshall Simonds, Pine Glen, Fox Hill, and Francis Wyman all curbing and crosswalks and handicap parking areas.
- All parking spaces at the Police and Fire Stations, the Library, and the Human Resource Building.

The Highway Division responded to 7 gasoline and oil spills.

One new employee was added to the division. Michael Minichiello was hired as a Special Equipment Operator.

I would like to take this opportunity to thank all of the employees of the division for a job well done and a special thank you for all employees who assisted the Highway Division during the snowplowing season.

Respectfully Submitted,

William Bannon  
Assistant Superintendent

## **WATER AND SEWER UTILITIES DIVISION**

With the new millennium upon us, we look back at 1999 with a feeling of satisfaction and pride. This was a good year, which included the continued growth of the industrial sector of Burlington, natural happenings such as the shortage of rain, and the coming on-line of the Vine Brook Ground Water Treatment Plant. Problems were met head on and solved, and we expect to continue in this vein. With the same hard work and support, the Water and Sewer Utilities Division is ready to take on any task to produce a safe and healthy system. The following is a summary of projects and statistics completed by the Water and Sewer Utilities Division.

## **SPECIAL PROJECTS**

### **Bedford Street Sewer Station**

A new sewer station was installed at Bedford Street with all new pumps, controls, valves and piping. Sewer personnel removed all pumps, piping and controls from the old station and assisted in adjustments to the new station.

### **Installation of a New Diesel Gas Tank at Terrace Hall Avenue**

A cement pad and wooden shed was built to house and protect the diesel tank. This work was accomplished by Sewer Personnel.

### **Chemical Feed Pump at Francis Wyman Sewer Station**

A wooden shed was built and a chemical feed pump and tanks were installed to treat raw sewage before pumping sewage back into the system. This will eliminate odor and corrosion problems.

### **Terrace Hall Avenue Sewer Station Pump Repairs**

- # 1 Pump. Motor was overhauled and new impeller was installed.
- # 2 Pump. Motor was overhauled and new wear rings installed.
- # 4 Pump. 200 HP pump was installed.

### **Brookside Sewer Station**

Installed two 20 HP motors, pumps, and valves. Sewer personnel accomplished this work.

### **Auxiliary Generators**

We removed a 12.5 KW generator from the Wildwood School and mounted it on a trailer to handle power problems at sewer locations. We also purchased two 60 KW generators. One we mounted on a trailer and the other was mounted permanently at the Belmont Road Sewer Station.

### **Water Truck Restoration**

When the old W-2 was retired from service, the Sewer Division restored it to be used as a spare. Shortly thereafter, W-6 was retired due to major maintenance problems, and W-2 was returned to service.

### **Storage Area in Water Garage**

Division personnel built a storage area in the Water Garage to house fittings and piping used for pumps. This storage area was built above the pumps to keep everything together.

Respectfully Submitted,

Patrick L. Mustoe  
Assistant Superintendent