

TO: Infrastructure Committee  
FROM : Dan Werner, Director of Operations  
DATE: Updated June 2, 2016  
RE: Water main trouble spots

There are several areas in the system where water leaks are more frequent.

Gorham Subdivision – North Gorham, Center Gorham, South Gorham Lanes

These mains are 6-inch, 4-inch and 2-inch Universal pipe. This pipe is bolted together with two bolts at each joint. Failures have been corrosion holes and longitudinal cracks. The pipe exterior is getting “soft”. Paving in the area is delayed until the water main is replaced. Length -4,000 feet, estimated cost = \$565,000.

Foote Street – This pipe is 6-inch cast iron pipe. There is one more phase remaining to complete this troublesome main. Estimate is \$367,000.

Area of Exchange Street north of the Catamount Park.

Mainelli Drive, Pond Lane, and Exchange Street north of Mainelli Drive are the current hot spots. Some repairs are due to corrosion; more are due to backfill material: large rocks under, to the side, and on top of the water main.

Pond Lane- 1,812 feet, \$255,000

Mainelli to Hannaford Drive 1374 feet, \$194,000.

Exchange St from Catamount Park north 3,775 feet, \$533,000.

Sheep Farm Road

This section is northeast of Weybridge Street. Water main material is cast iron. Leaks are various: holes, cracks, splits. Weybridge St to Sheep Farm Rd – 2,600 feet, \$305,000. Sheep Farm Road and loop 3,400 feet, estimated cost - \$480,000.

Chipman Park entrances and Benedict Lane

This main is cast iron. Some of it was laid on ledge. Leaks are holes, cracks, and corrosion of fasteners. North Chipman Park = \$50,000, South Chipman Park = \$65,000, Benedict Lane = \$65,000.

### US Rt7

Across from the Public Works Department building south to the end (1,100' south of Foster Motors). 7,500 feet, estimated cost -\$1,100,000.

### Recent Leaks

#### Court Square

The main is 8-inch cast-iron pipe and the leak caused by corrosion. A piece about 2-inches by 12-inches blew out. The main is getting soft due to corrosion on the outside of the pipe. Historically, there was a watering well and trough near this pipe location.

#### Washington Street

The main is ductile iron. A section of pipe was cut out and replaced. Improper backfill and corrosion are the likely causes.