



**Rochelle Municipal Utilities**  
Water/Water Reclamation

To: David Plyman

From: Kathy Cooper

Date: October 11, 2012

Re: Engineering Services, Water Main Replacement, Second Avenue

The 2012-13 Water Division Budget did not include a line item for engineering a water main upgrade project for the following fiscal year. At the time the capital budget was being prepared, we anticipated that the drilling of a new well and associated water main work would begin in October of 2012 and most of the capital budget would be dedicated to those projects. The new well and tower work has been delayed, and I am recommending proceeding with an upgrade to the existing system. Once an upgrade project has been identified, the engineering begins in early fall so that the projects can be put out for bid in early February.

Within the past eight years, the Water Division has repaired eight (three in 2011-12) water main breaks in the 100 and 200 blocks of Second Avenue. Each time it has been noted that the main is in very poor shape, with pitting and corrosion. This project is shown in the Water Division Master Plan, and this segment is designed to tie together Well #4 and the Second Avenue Tower with the transmission main on Creston Road.

Matt Hansen of Willett-Hofmann was asked to prepare a cost estimate for the project, including the engineering and contingency. The estimates are:

Engineering design	\$ 22,000
Engineering bidding and award	\$ 1,500
Engineering construction	\$ 18,500
Construction	\$249,500
Contingency	\$ 24,500
<b>TOTAL</b>	<b>\$316,000</b>

The timeline for the project is to complete the engineering by February 1, 2012, bid the project in March 2012, and begin construction in mid to late April. Schedules very similar to this have resulted in very competitive bidding, and also allowed ample time for restoration of the disturbed areas in a single construction season.

I recommend the approval and signing of the engineering agreement with Willett-Hofmann to perform the engineering design for the water main replacement on Second Avenue between Washington Street and the end of Second Avenue.

