

**SFC Development
City of Yonkers, New York**

**Construction Water Remedial Plan
(Revised Aug. 25, 2008)**

1. Since it is not known if the suggested Ashburton and Riverdale project remedies outlined within the study will be completed prior to the start of construction, SFC will employ various temporary construction measures which will mitigate flow and pressure concerns to the existing vulnerable areas within the City water system prior to the completion of the new water mains to be constructed as part of the identified Phase I Pipeline Projects.

2. According to SFC construction personnel, water use during construction will be managed as follows:
 - a. Dust Control – will be accommodated with water trucks.

 - b. Truck Refilling - Water trucks will be refilled at a location and at a time as designated by DPW. Hydrant Use Permits will be required. The cost of the permit will be paid by the developer. All water will be metered and paid for by the developer. All water system equipment utilized to refill the trucks will be operated by DPW employees. The cost of DPW employees will be paid by the developer. The location and time for refilling trucks can be changed at any time and as many times as deemed necessary by the DPW.

 - c. Construction Water –
 - 1) Use of Hydrants

Hydrants are for the sole use of the Fire Department and the Water Department. The developer will provide magnetic locking nuts to be installed at the developer's expense. No hydrants will be used for construction water without DPW's prior authorization.

 - 2) Construction Water

All construction water will be provided by new taps into water mains and will include approved RPZ backflow preventors and 5/8" water meters. All costs for the installation of the facility and the water will be paid by the Developer.

3) Pressure Monitoring

DPW will monitor pressures within the system. Should problems be identified attributable to construction water use, the developer agrees to implement all DPW requirements to rectify the situation. The Developer agrees to implement DPW requirements according to a time schedule provided by DPW. All cost to implement the requirements will be paid by the developer.

- d. Higher on-site usage and fire flows will be required for fire protection after foundation work is complete and building structures begin to rise. However, off-site infrastructure work to be constructed under the Phase I Pipeline Projects will be phased to be sufficiently complete by this time so that there will be minimal effect on those vulnerable areas of the existing water system identified in the Lackowitz study. The phased plan must be approved by the City Engineer and the Commissioner of Public Works.
 - e. In addition, construction of the Phase I Pipeline projects will be phased such that the pipeline segment extending east along Prospect Street, from Riverdale Avenue to South Broadway, will be constructed in the earliest phases of project construction to improve system pressure at the southwest corner of the River Park Center site. The detailed phasing of the water main construction will be reviewed and approved by the City Engineer and Commissioner of Public Works.
 - f. Other critical portions of the offsite water mains will be advanced in the construction process if deemed necessary to mitigate the effects of construction on the existing water system.
 - g. This plan will be reviewed during the course of construction with the City and amended as appropriate to reduce impacts from on-going construction activities.
3. Temporary water mains must be approved prior to installation by the City Engineer and Commissioner of Public Works. When necessary, the use of temporary water mains can be avoided or reduced to the maximum extent practical. New mains will be constructed in parallel with existing mains with the tie-ins conducted either in off-peak hours or other times approved by the City Engineer and Commissioner of Public Works. Thus it is expected that there will be minimal disruption to existing water mains to remain or existing system pressure to neighboring residents and businesses as a result of construction of the new water mains.
4. All Cost resulting from this plan will be paid by the Developer out of an Escrow Account to be fund by the Developer. The Developer must maintain in the account sufficient funds to pay for anticipated expenses as determined by the Commissioner of Public Works.