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## MEMORANDUM

**DATE:** June 15, 2007  
**TO:** File  
**FROM:** Wayne C. Perry  
**PROJECT:** Queset Commons  
**SUBJECT:** Water Supply Pressure

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Based on a telephone conversation today with Jack Marsh of the Easton Water Dept, I obtained the following information.

A fire flow test was performed at 525 Washington St. in June of 1993. The results of this test were as follows: 80 psi static press.; and 63 psi residual with a flow of 1080 gpm.

A fire flow test was performed for 605 Washington St. in April 2007. The results of this test were as follows: 88 psi static; and 82 residual with a flow of 1375 gpm.

If, in the Queset Commons Project, we assume a four story building and a sprinkler demand of 20 psi at the sprinkler head, this would equate to a required residual pressure of 20 plus 17 or 38, say 40 psi.

Therefore, it appears that there is sufficient pressure and flow available at the proposed Site.

The estimated average water demand for the Project is 34,000 gpd (24 gpm). This is based on 560 bedrooms using 55 gpd and 80,000 sf of retail space using 40 gpd/ksf. The peak demand would be 68,000 gpd or 48 gpm.