



Date: 12/31/2012  
To: Nora Loughnane, Town Planner  
From: Andrew Dennehy BETA Project #: 4410  
Subject: University Station – Utility Review  
Comments

The purpose of the memorandum is to provide review comments regarding utilities for the November 30<sup>th</sup>, 2012 plan submission made by the Proponent in connection with the University Station Development Project. We recommend the following items be coordinated as part of an updated submission.

**Sewer**

1. The estimated building flow table does not show the basis for the flows. Please include the units and flow rates for each building that were used to develop the flow rates.
2. The hydraulic analysis did not include any of the existing 16” trunk line traversing the project area. This pipe should be included to verify capacity and velocity within that main.
3. There are some discrepancies between the information on the plans and the information in the hydraulic analysis, particularly pipe lengths. These should be verified and updated to be consistent on both the plans and hydraulic analysis.
4. Slopes are all above minimum, however, the hydraulic analysis indicates velocities under 2 ft/sec. The operations and maintenance plan should identify any maintenance requirements and responsibilities for the system.
5. Where sewer systems are built within the Town layout, we recommend that profiles of the sewers be provided or added to the roadway profiles.
6. Where sewer lines pass through Zone 1, identify specific protective measures on the plans.

**Water Budget**

1. The water budget was developed using a “modified Title V flow” for water demand. This appears to be approximately 50% of the flow estimates used in the sewer analysis. Although we understand Title V flows may be conservative for use in sizing sewers, further information is required regarding the “modified Title V flow” and how it was developed. Also, clarify the basis for the existing water demand. It appears to be significantly different



from that assumed for the prior Westwood Station Project. In general, additional back-up should be provided outlining the primary components of the water budget and assumptions used in their derivation.

2. See the Stormwater Management comments for additional review comments on the water budget.

## **Water**

1. It is assumed that Dedham Westwood Water will provide review comments on the water system relative to general operation of the system including overall demand, fire fighting capacity etc. It is assumed that all details for water construction will be reviewed and approved by DWWD. Please provide a copy of review comments.
2. Please confirm that the Westwood Fire Department has reviewed and approved system layout including hydrant location, flow/pressure criteria etc. for fire fighting

## **Private Utilities**

1. It is assumed that the Private utility companies will review and approve the private utilities proposed for the project. Documentation of their approval should be submitted to the peer review team.