



April 18, 2013

Paul Cincotta  
New England Development  
One Wells Avenue  
Newton, MA 02459

**Re: University Station  
Response to Comments on Stormwater Management Update**

Dear Paul:

Tetra Tech has completed our review of the comments provided by BETA Group dated March 11, 2013. For ease of review, responses are numbered to coincide with the numbering system utilized in the original letters. Responses are shown in *italic* font.

**March 11, 2013 Correspondence from BETA Group**

1. Water balance calculations

Document impacts to DWWD wells, water supply, and base groundwater flow to river.

Provide a stand-alone report similar to previously submitted Water Budget section of the Environment Impact Report and Appendix J Water Budget calculations (attached). See also comments letters from Weston & Sampson (W&S) to Dedham Westwood Water District (DWWD) March 5, 2013 and Neponset River Watershed Association (NRWA) March 5, 2013

**Response:** *An expanded narrative has been prepared for the water budget. The expanded narrative has been packaged with the water budget calculation as a stand-alone document. A copy is attached hereto.*

2. Documentation on LID techniques assessed (included or excluded)

Address NRWA goal that all impervious surfaces be routed to infiltration or other BMPs to increase groundwater recharge as well as address bacteria TMDL

See NRWA comments to included LID/BMPs to treat runoff currently not directed to infiltration areas for the bacteria TMDL.

**Response:** Additional subsurface infiltration has been provided along the eastern limits of the Village Retail area.

See W&S comment on providing nitrogen loading calculation

**Response:** A nitrogen loading estimate has been provided with the Water Budget.

### 3. Expand Operation and Maintenance Plan

**Response:** A revised Stormwater Operation and Maintenance plan was provided on February 22, 2013. A suggested Operations and Maintenance Plan has been received from BETA and is being reviewed by the proponent.

Spill Prevention and Control – See Westwood Station O & M Plan

Recommend water tight drainage system in the portion of University Ave located within Zone 1.

**Response:** SDR35 PVC or approved equal has been identified for drain piping within the Zone I area. However, the 54” drain line that parallels the 60” drain will remain RCP as previously approved.

Regulate use of deicing and blasting chemicals to meet DWWD requirements

**Response:** Use of sodium chloride for de-icing shall be prohibited.

Provide blasting specification for review

**Response:** An updated blasting specification was provided in the recent response to Weston & Sampson comment.

Landscaping practices

**Response:** Drought tolerant, hearty, native plant species will be chosen in order to minimize irrigation needs.

Include monitoring of sentinel wells and providing calculations requested by W&S.

**Response:** As indicated in Weston & Sampson’s letter dated March 5<sup>th</sup>, Sanborn Head was just provided a copy of the Zone II Delineation Study. This study will allow for a groundwater travel time calculation and will determine the appropriate monitoring well locations. Continued coordination between Weston & Sampson and Sanborn Head is anticipated over the next few weeks on siting of the wells.

See additional comments on O&M Plan in separate email - to follow.

**Response:** Comment acknowledged.

4. Adequacy of existing off-site infrastructure to accept design flows

Impacts to 400 Blue Hill Drive – Coordination with MassDOT project(s)

Impacts to MBTA outlet – Coordination with MBTA

**Response:** *Please see the memorandum submitted under separate cover dated March 12, 2013 regarding off-site drainage infrastructure.*

5. Stormwater Calculations

Update using latest rainfall data from Northeast Regional Climate Center (NRCC) <http://precip.eas.cornell.edu/>

**Response:** *See page 4-13 of the Hydrology Handbook for Conservation Commissioners, prepared by MA DEP. It states “current DEP policy also requires using rainfall data from the TP-40 Atlas”. This request is not consistent with MA DEP policy or the previously reviewed and approved stormwater analyses.*

Soil and groundwater data at infiltration systems

**Response:** *An updated groundwater and infiltration report has been prepared by the Geotechnical Engineer.*

Groundwater mounding for infiltration systems

**Response:** *Groundwater mounding analyses will be provided for infiltration basins 10P, 11P, 27P and 59.1P.*

HydroCAD output for POA2 and POA4 including infiltration systems

**Response:** *Updated HydroCAD output for POA2 and POA 4 has been provided with the updated Stormwater Management Report on March 22<sup>nd</sup>.*

Bacteria removal rates at each Point of Analysis

**See NRWA comments for calculations of areas not routed to infiltration BMPs or wetland basins**

**Response:** *Additional subsurface infiltration has been provided along the eastern limits of the Village Retail area. By capturing and directing the impervious area in the Village Retail area to infiltration practices, both TSS removal rates will be improved as well as bacteria removal rates.*

6. Conservation review

Coordination for filing and review of Notice of Intent with Conservation

**Response:** *The proponent is coordinating with the Conservation Commission on matters relating to project's Order of Conditions.*

As always, please do not hesitate to contact me should you have any questions or wish to discuss any of the enclosed information in greater detail. I can be reached at (508) 903-2085.

Sincerely,

A handwritten signature in dark ink, appearing to read "Nathan H. Cheal". The signature is fluid and cursive, with the first name being the most prominent.

Nathan H. Cheal, P.E.  
Project Manager

C: John Twohig, Esq. – Goulston & Storrs  
Bob Daylor, PE, PLS - Tt  
Austin Turner – Tt

Enc: Water Budget Report

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