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June 8, 2018

Ms. Jullie Pudem  
Land Use Technician  
Town of Clinton  
54 East Main St  
Clinton, CT 06413

**SUBJECT: 115 Nod Road  
Application SP-CAM 18-023  
DTC No.: 16-157-126**

Dear Ms. Pudem:

As requested, we have completed our review of plans and application materials provided for the above referenced application. The information reviewed consisted of the following:

- Plan set for "Bausch Advanced Technologies, Inc., 115 Nod Road Clinton, Connecticut"; dated May 25, 2018, no revisions, consisting of four sheets, prepared by: Indigo Land Design, scale 1"=40'.
- Drainage Report prepared for "Bausch Advanced Technologies, Inc., 115 Nod Road Clinton, Connecticut"; dated May 25, 2018, no revisions, consisting of 43 sheets, prepared by: Indigo Land Design
- Miscellaneous application materials including:
  - Clinton Zoning and CAM Application Forms
  - List of Abutters
  - Application authorization from property owner
  - Background information on Bausch Advanced Technologies, Inc.
  - Geotechnical Report prepared by Geolnsight, dated May 24, 2018
  - Soil test data on test holes and percolation testing associated with the Stormwater Management Basin

Based on this review, we offer the following comments:

1. The proposed retention basin is intended to infiltrate 100% of the site runoff directed to it, including the majority of the proposed improvement areas. As infiltration is the only available outlet for accumulated stormwater, the ability of the basin to drain on a long-term basis is critical to its effective function. The use of a dense vegetation across the bottom of the basin, and the introduction of a crushed stone berm will help in this regard. The Developer's Engineer has provided a detailed Maintenance Pan for upkeep of the basin. This plan must be followed in order to ensure that the basin performs as intended on a long-term basis.

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2. After review of the accompanying geotechnical and soil testing data provided with the application, it is noted that elevated groundwater (elev. 23) and rock (elev. 23) was observed in the vicinity of the proposed building and parking areas. Groundwater was noted at approximately the basin bottom elevation in one of the test pits performed. The bottom of the basin should be set at an optimal minimum of 24" above any observed seasonal high groundwater or rock elevations. It may be necessary to adjust the final depth of the basin based on whether rock or groundwater is encountered during excavation. Sufficient land area appears to be available to expand the footprint of the basin if necessary, in case the target basin depth cannot be reached. The overall storage volume of the finished basin should match the volume utilized in the calculations.
3. We have no other significant concerns with the site plan or accompanying drainage calculations.

Please contact the undersigned if you have any questions.

Sincerely,



J. Andrew Bevilacqua, P.E.  
Associate & Manager of Civil Engineering  
**DTC, Inc.**

cc: Joseph Wren, P.E. (via e-mail)

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