



## **BERRY SURVEYING & ENGINEERING**

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May 29, 2013

Barrington Planning Board  
Attn: Marcia Gasses & Jeff Adler P.E.  
RE: Associated Buyers Engineering Review Response

Marcia & Jeff,

Below are our responses to the comments provided by DuBois & King dated May 21, 2013 and received by our office May 28, 2013.

1. *The existing catch basin adjacent to the loading docks is to be replaced with an ADS "Yard Drain". Our experience is that these structures are suitable for lawn areas and are not constructed to handle vehicle or truck loads. We would recommend that this issue be addressed.*
  - a. We have provided manufacturers specifications on the details sheets providing H2O Loading for the designed structures.
2. *The proposed 12" pipe from the "yard drain" has two bends prior to discharge. Bends are generally not acceptable in drainage pipe design and any change of direction should require a drainage manhole. Also, this pipe runs directly under the proposed building addition. Typically, drainage pipes are not constructed under proposed structures.*
  - a. We have removed one of the bends in the pipe and have added a second basin in the location of the first bend. Though placing the pipe under the building is not the typically done, it is the only solution to draining the existing area.
3. *The proposed trench drain is not modeled as part of area 2S.*
  - a. This trench is now modeled as a reach in the analysis. The design has been modified to allow for a 50YR event to no overtop the structure.

4. *The rain garden has a seasonal high water table (SHWT) one-foot above the bottom of the filter course material. NHDES regulations require the SHWT be one-foot below the bottom of the filter course or an under drain installed to lower the SHWT to one-foot below the filter course. The proposed under drain is only 0.3 feet below the filter course. We would recommend that this issue be addressed.*
- a. The pond has been re-configured to allow the drain to be 1' below the filter media and still meet water quality volumes.

Respectfully submitted,  
Berry Surveying & Engineering

Christopher R. Berry President  
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Project Manager



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