

**From:** Joseph M. Dillon, P.E. [<mailto:jdillon@nlja.com>]  
**Sent:** Tuesday, March 31, 2020 4:12 PM  
**To:** Andrew Bushnell <[abushnell@bushnellassociatesllc.com](mailto:abushnell@bushnellassociatesllc.com)>  
**Cc:** Rupert, Jim <[jrupert@boltonct.org](mailto:jrupert@boltonct.org)>; Carson, Patrice <[pcarson@boltonct.org](mailto:pcarson@boltonct.org)>  
**Subject:** Abel Coil

Andrew,

I have reviewed the revised drawings and calculations that you forwarded to me yesterday afternoon (3/30/20) .

I have the following comments:

1. There is a conflict with proposed contours 666 & 668 along the east side of the cut-off swale. Please review and revise as necessary. Additionally, the swale gets narrower as it makes the turn to the west. This could be a potential choke point. The bottom of the swale should maintain a constant width.
2. Calculations should be provided for the proposed swale to be sure that it has adequate capacity and that the rip rap outlet protection is properly sized for the proposed flows.
3. A rip rap berm should be proposed around the inlet pipe to the stormwater basin. The berm will create a forebay that can be cleaned periodically.
4. Spot elevations should be provided along the east edge of the expanded pavement area to help delineate the toe of the slope for the berm to create the swale.

Should you have any questions, please feel free to contact me.

Regards,  
Joe

---

Joseph M. Dillon, P.E.



**Nathan L. Jacobson & Associates**

*Consulting Civil and Environmental Engineers Since 1972*

86 Main Street, P.O. Box 337, Chester, Connecticut 06412-0337

Tel: 860.526.9591 • Fax: 860.526.5416

[www.nlja.com](http://www.nlja.com) • [jdillon@nlja.com](mailto:jdillon@nlja.com)