

Stacy Radford

From: Stacy Radford
Sent: Thursday, August 15, 2024 11:20 AM
To: Stacy Radford
Subject: FW: 339 Chesterfield Road, Oakdale
Attachments: 339 CHESTERFIELD RD REVISED CULVERT CALCULATIONS.pdf; DRAINAGE AREA EXHIBIT.pdf; 20 ACRE CULVERT CALCULATIONS.pdf

From: Ryan Thompson <ryan@rclthompson.com>
Sent: Thursday, August 15, 2024 10:17 AM
To: Stacy Radford <sradford@montville-ct.org>
Cc: Jill Moonheron <jill.kern@comcast.net>; Martin Brogie <martinbrogieinc@gmail.com>
Subject: RE: 339 Chesterfield Road, Oakdale

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Good morning Stacy:

I don't have time to address all of the remaining comments before the meeting tonight. But I wanted to address the one that I think is the most critical regarding the culvert sizing. The engineer claims that he estimates the drainage area to be 18-20 acres, but the largest possible drainage area I can find is about 9 acres. That said, I'm not convinced that all of that 9 acres goes through the culverts, because I believe that in reality some of the pond at the northern side (off property) actually flows northeast through one of the other wetland systems on the subject site. Regardless, in an effort to move this project along and gain concurrence from the engineer, I've revised the drainage area to what I believe is the largest potential area that goes through the culverts and the culvert sizing calculations. As you can see, the culvert crossing functions far more than adequately. And just for good measure, I did calculations for a 20 acre drainage area, and it still functions adequately.

The other three comments are very minor and can be addressed quickly, unfortunately, I just can't do them today before the meeting. I hope this does not delay gaining approval.

Respectfully,

Ryan E. Thompson, PE, LS
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