

## Shuler,Dana

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**From:** M Rasmus [msrasmu@msn.com]  
**Sent:** Wednesday, October 29, 2014 5:15 PM  
**To:** Shuler,Dana  
**Subject:** RE: Piedmont #2 Lot, global stability issue  
**Attachments:** HD-DrainageEvalLetter.pdf; Matt Rasmussen Final drainage, landscape, retaining, fire access, home site, driveway Plan 2014.10.29.pdf; wall stability calcs (hand) 2014.10.29.pdf; Septic Piedmont Final 2014.10.01.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Dana:

I'll submit Friday, October 30th bringing in a file which will be paper copy of the electronic files which I'm attaching now.

They should include:

- (1) Detailed engineering plan for retaining wall, drainage treatment, septic & absorption field treatment, fire access road solution
- (2) Site Plan with contours with 2' contour intervals
- (3) Cross section of improvement (Schedule 4 of Final, showing grade cut and foundation)
- (4) Retaining wall design with engineers stamp and hand calcs (rock retaining section A of final, wall stability calculations)
- (5) Geotechnical report (already on file, but attached in OneDrive), hydrology report, drainage solution (detail 1 & 2 of Final)
- (6) SWPPP already submitted and in Miradi
- (7) Landscape plan already submitted and in Miradi
- (8) Proposed structure building plan on file with Craig Browne

Associated app form, fee, and paperwork is already in.

We've taken a great deal of your time in getting this collection of studies and engineering together, Dana. I'm hopeful that you find it sufficient to allow me to move forward with the building permit process.

As always, I'm very grateful to the county in helping us to receive authorization to build.

Best regards,

Matt Rasmussen  
801.668.4197

M has a file to share with you on OneDrive. To view it, click the link below.

 [Final Combined.pdf](#)

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From: [dshuler@co.weber.ut.us](mailto:dshuler@co.weber.ut.us)  
To: [msrasmu@msn.com](mailto:msrasmu@msn.com)  
Subject: RE: Piedmont #2 Lot, global stability issue  
Date: Tue, 28 Oct 2014 21:58:11 +0000

Hi Matt,

It would be good if you go ahead and submit everything. That way, we can review all of the reports and documentation you provide. When our geotechnical consultant reviews it, he can make the recommendation to us (Weber County) as whether or not to require the global stability analysis. In briefly corresponding with him, he would require the stability analysis, but that may already be part of the retaining wall design.

I'm happy to submit your email as a request thereto though. Just let me know.

Thanks,

Dana

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**From:** M Rasmus [<mailto:msrasmu@msn.com>]  
**Sent:** Tuesday, October 28, 2014 1:37 PM  
**To:** Shuler,Dana  
**Subject:** Piedmont #2 Lot, global stability issue

Dana:

Attaching the files for the homesite. You'll see that strategic grading plan has fully solved any hydrological issues and that only a single 8' high terracing and retaining wall is contemplated. This is primarily to make space for a level backyard of the home and to accommodate the underground septic absorption field. The most southerly flank of the wall also protects the structural land from any event up to and including a 500 year precipitation event of snow or rain by diverting through drainage channel and piping.

In discussions with both Landmark Survey and Silverpeak, we are asking that the global soil stability study request be rescinded. Speaking together with several engineers, they agree that the retention is minimal, the soils as shown in the exhaustive geotech study are stable and porous with no clay discovery. Also in the highly unlikely event of failure, the wall would only release a small amount of material which would only impact the open backyard space not reaching the structure itself. Add to that recipe the facts that no further development upslope is possible, no neighbors are within 500 feet of retention area, and no recent historical record of even intermittent above or below ground precipitation has been discovered, nor any recent historical slides (large or small) found and you may conclude, like we, that such an analysis may not be necessary. Indeed, we might avoid a very costly expense better devoted to details of the home construction.

After you speak with your geotech colleague and review the plats, maybe you could let me know of your decision? I believe we are ready for fully complying with the hillside review requirements otherwise and are able to approach for a final review and permit.

Thanks and best regards,

Matt Rasmussen  
801.668.4197