

## Rachel Martin

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**From:** Jeff Loomis  
**Sent:** Saturday, January 28, 2023 10:43 PM  
**To:** Rachel Martin  
**Subject:** RE: 126 Alpine Drive, Dornin MOD Site Alt

Rachel –

The proposed site modification to accommodate the construction of pool addresses the risk of soil erosion, silting of lower slopes, slide damage, flooding, and any other geologic instability, as stated in Standard of Evaluation #4, by proposing minimal impacts to the adjacent slopes, non-structural retaining walls to account for resulting elevation and grade changes, and re-stabilization of disturbed slopes with indicated implementation of revegetation methods and restricting maximum constructed slopes to a 2H:1V grade. The structural design of the pool is not included with the application, but this review assumed the pool structure will be designed according to required standards associated with the site.

The man-made slopes, grading, excavation and fill activities, as described in Standard of Evaluation #7, appear to locate the proposed pool in a “bench” area of the larger hillside slope, so somewhat “conform[ing] as closely as possible the natural terrain.” Natural drainage will be interrupted by the pool, and no surface or subsurface water drainage facilities are indicated, other than the pool itself. The slope stability analysis provided by the Geotechnical Engineer addresses the stability of the natural slopes above and below the proposed pool. This analysis does address the proposed constructed 2:1 slopes or the proposed non-structural retaining walls, but this review assumes this analysis would have stated alternatives to the proposed slope and wall designs, if the designs were of concern.

This review notes the proposed pool is located outside of the platted building envelope, and in a location platted for septic system drainfields. The Geotechnical Engineer’s slope stability analysis indicates drainfields have been installed as part of recent additions to the residence, and the site plans indicates these drainfield locations are now located in an area along the westerly property line.

This review also notes no drainage system for the proposed pool is indicated, and refers the owners to requirements associated with pool water disposal. Regarding this MOD application, pool water drainage should not detrimentally impact existing or proposed slope stabilities, or adjacent properties.

Please let me know if you have questions regarding this review. Thank you.

JEFF LOOMIS, PE  
Blaine County Engineer

**From:** Rachel Martin <rmartin@co.blaine.id.us>  
**Sent:** Tuesday, January 10, 2023 9:59 AM  
**To:** Jeff Loomis <jloomis@co.blaine.id.us>  
**Subject:** 126 Alpine Drive, Dornin MOD Site Alt

Hi Jeff,

I have an application for a swimming pool at 126 Alpine Drive, in Lake Creek. Will you please review for the following standards?

4. *The site alteration, and any grading and excavation relating thereto, shall include measures or designs to mitigate the risk of soil erosion, silting of lower slopes, slide damage, flooding, and any other geologic instability. All excavation, grading and fill shall be revegetated as provided herein (except for roadway surfaces) and otherwise stabilized to control erosion.*

7. *Manmade slopes, road alignments, driveways, improvements, grading, excavation, berming, and fill activities shall conform as closely as possible to the natural terrain. Alteration and severe scarring of the natural drainage of the site shall be minimized and mitigated, except where natural circumstances exist as defined in subsection D3 of this section, in which cases protective factors of the site alteration shall be considered. Hillside roads shall also meet all other applicable road or driveway standards under county ordinances and adopted codes, including, but not limited to, those for grades and emergency vehicles. Existing roads/driveways to existing nonconforming structures located within the mountain overlay district may be moved or improved to reduce the degree of noncompliance with requirements for grades and emergency vehicles.*

I'll send you more info in another email. This attachment is quite large.

Rachel Martin  
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[www.blainecounty.org](http://www.blainecounty.org)  
[Blaine County Code](#)

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