

February 11, 2014

Mr. Chad Meyerhoffer  
Weber County Engineering Division  
cmeyerho@co.weber.ut.us

Dear Chad:

Thank you for your review of The Chalets @ Ski Lake No 7. We have reviewed and addressed the comments from <https://miradi.co.weber.ut.us/reviews/view/1069>. For the sake of clarity I have compiled a list of responses to the items commented on by your review team. They are as follows and correspond to the numbers of your comments:

- 1Q. See notes/redlines on plans for questions and concerns.
- 1A. **These have been addressed individually directly beneath each of your comments.**
- 2Q. Average slopes on lots need to be double checked. They need to be taken perpendicular to contours. Definition in Ordinance “An expression of rise or fall in elevation along a line perpendicular to the contours of the land connecting the highest point of a slope to the lowest point of that slope within a parcel or lot. A vertical rise of one hundred (100) feet between two points one hundred (100) feet apart measured on a horizontal plane is a one hundred (100) percent grade. Percentage of slope shall be determined, and shown on the Grading Plan prior to any grading, cut or fills being accomplished.”
- 2A. **Average slopes have now been double checked and are all perpendicular to the contours. In most cases, two slopes are shown for an individual lot: one starting at the highest elevation on the property line and continuing perpendicular to the contours until it reaches the property line again, and one starting at the lowest elevation on the property line and continuing uphill perpendicular to the contours until it reaches the property line. These types of lines can be constructed using the AutoCAD water drop feature. In rare cases, the highest and lowest lot points are connected with a single “water drop”.**
- 3Q. Where the emergency access will now be an open road, does it meet all the AASHTO requirements. Will there need to be some additional signage for the intersection?
- 3A. **The access road is no longer an emergency access. It is now labeled as Lark Lane. It will be a dedicated street. There is an intersection on each end of Lark Lane. Signage has been added on the engineer’s estimate. See attached copy.**
- 4Q. In the geotechnical study that was submitted it is stated that there was evidence of potential problems from slope stability in the area designated as lots 43 and 44

- which I believe with the plan submitted is lots 58 and 59. The report goes on to state that these issues will have to be addressed appropriately at a later date. We need a geotechnical report that addresses this site and the area in question. Will need an update letter on the Geotechnical Report stating that conditions have not changed from when the report was done.
- 4A. An updated Geotechnical Report for Phases 7 and 8 that addresses this area is attached. Also included is a letter specifically about these two lots. This letter recommends natural slopes to be a maximum of 4:1. These two lots are an average of about 6:1 using a water drop analysis, as required by your comment #2 above. Therefore, no additional measures are necessary.
- 5Q. We need an update letter from the Geotechnical Report stating that the conditions have not changed from when the report was done.
- 5A. Included is a letter specifically about these two lots. This letter recommends natural slopes to be a maximum of 4:1. These two lots are an average of about 6:1 using a water drop analysis, as required by your comment #2 above. Therefore, no additional measures are necessary.
- 6Q. With the water line design do these plans need to be submitted to the Division of Drinking Water for review and approval? Do the plans on the sewer lines need to be submitted to the State as well?
- 6A. The plans have been submitted to and approved by the Division of Drinking Water. A copy of the approval letter is attached. They do not need to be submitted for sewer piping.
- 7Q. There will need to be a stream alteration permit obtained for the work in the stream Roadway/Det. Pond.
- 7A. A permit has been issued by the DNR Division of Water Rights. See attached Stream Alteration Permit.
- 8Q. Please submit calculations on sizing of the 30" and 18" Pipe.
- 8A. See attached Updated Storm Water Study.
- 9Q. Will 10ft easement be big enough for the sewer and water easement? Will it allow for equipment and materials within the area while installing or future repair. This easement will need to be recorded with or prior to the recording of this subdivision.



- 9A. The easements have been increased to 20' easements. These will be recorded with the recording of the subdivision.
- 10Q. Is there to be a Trail System associated with this phase?
- 10A. Yes. This is now shown on the revised exhibit with a detail provided, and is included with the cost estimate.
- 11Q. There will need to be an Engineer's Cost Estimate with an escrow with the County or the improvements need to be installed prior to final approval.
- 11A. We have added signage and a trail system to the previous estimate. See updated copy attached.
- 12Q. The State now requires that a National Discharge Pollution Elimination Systems (NPDES) permit be acquired for all new development. A copy of the permit needs to be submitted to the county before final approval. Permits can now be obtained online thru the Utah State Dept. of Environmental Quality at the following web site: <https://secure.utah.gov/swp/client>.
- 12A. This has been submitted. Weber County has a copy.
- 13Q. A Storm Water Activity Permit will need to be obtained through our office before construction begins.  
[http://www1.co.weber.ut.us/mediawiki/images/5/56/Stormwater\\_Construction\\_Activity\\_Permit.pdf](http://www1.co.weber.ut.us/mediawiki/images/5/56/Stormwater_Construction_Activity_Permit.pdf)
- 13A. This has been submitted. Weber County has a copy.

Chad, thank you for your time and consideration in these matters. Please feel free to contact me directly regarding these issues.

Best regards,

Ryan Bingham, P.E.,  
Great Basin Engineering  
801-394-4515