



Stantec Consulting Services Inc.
3995 South 700 East Suite 300, Salt Lake City UT 84107-2540

April 26, 2016
File: 205303057

Marc Diemer, PLA
DHM Design
311 Main Street, Suite 102
Carbondale, CO 81623

Reference: Engineering Review of Proposed Alice Claim Site Plan Modifications – “Gully” Plan

Dear Mr. Diemer,

The purpose of this letter is to provide engineering commentary related to the Proposed Alice Claim Plan currently in review by Park City staff. The plan is also known as the “Gully” plan. The following discusses the engineering improvements associated with the Gully plan:

WATER PRESSURE

Based on our analysis, the proposed water system now far exceeds the requirements laid out by the state for public drinking water systems. The Gully plan lowers the highest elevation lots significantly and removes the dead end water mains from the layout. The minimum expected pressures exceed the state required minimum pressures by 20-30 psi for all required modeling scenarios. Based on the findings in the *Alice Claim – Water Distribution Model*, dated February 19, 2016, water pressure is no longer an issue for the Alice Claim development

STORM DRAINAGE

The on-site drainage patterns will be roughly the same as the previous drainage concept prepared by Stantec. Detention is proposed for the storm water system as well as conveyance of Woodside Gulch flows. Under the Gully plan, total hardscape is reduced with the proposed plan based on less roadway and smaller proposed footprints.

RETAINING WALLS

The Gully plan further removes retaining walls from the proposed project. This reduction in the total retaining wall length and surface area is a direct result of the removal of the upper dead end lot shown on previous site plans.

Please let me know if you have any questions.

Regards,

STANTEC CONSULTING SERVICES INC.


Peter Duberow, PE
Senior Associate

cc. Brad Cahoon, Snell & Wilmer L.L.P.
Greg Brown, DHM Design