



Intermountain GeoEnvironmental Services Inc.  
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July 26, 2021

Snowbasin Resort  
c/o George Benford (Talisman Civil Consultants, LLC)  
1588 South Main Street, Suite 200  
Salt Lake City, Utah 84115

**Subject:** Design Document Review  
Maples and Canyon Rim Parking Lots  
Snowbasin Resort  
Huntsville, Utah  
IGES Job No. 02284-002

Dear Mr. Benford:

It was requested that IGES, Inc. (IGES) review a set of drawing prepared by Talisman Civil Consultants titled "Snowbasin Report Canyon Rim & Maples Parking Lots," dated June 25, 2021 to evaluate their conformance with the project geotechnical reports. We understand that this letter will be provided to Weber County as part of the project documentation. To aid in the review, the following documents were utilized:

- A report prepared by IGES titled, "Geotechnical Engineering Evaluation Snow Basin Parking Lot Expansion, Weber County, Utah," dated June 15, 2017
- A report prepared by IGES titled, "Geotechnical Investigation Maples Parking Lot, Snowbasin Resort Huntsville, Utah," dated May 20, 2021

## **COMMENTS**

IGES reviewed the above referenced design documents for general conformance with the applicable geotechnical reports. Compliance with the applicable project documents is the responsibility of the contractor and furthermore, approval of plans indicated by this letter does not relieve the contractor of their responsibility to become familiar with and follow recommendations of our earlier reports or indicate acceptance of deviations unless specifically noted. The following comments are given:

1. Geotechnical reports are not referenced in drawings.
2. Referenced geotechnical report for Canyon Rim Parking Lot (IGES 2017) was not prepared specifically for the expansion depicted in the reviewed drawings. Specifically, the proposed westward expansion of the parking area is beyond the limits of our 2017 investigation. However, if the pavement section is to be constructed on properly placed, compacted and reviewed structural fill, the pavement section from the 2017 report, omitting the recycled concrete



thickness, may be utilized. This assumes the traffic loading is consistent with that described in the report.

3. Sheets C300 and C301: Geotechnical report recommended plus or minus 2 percent of optimum moisture content as opposed to plus 2 or minus 3.

## **CONCLUSIONS**

Based on the review of the provided design documents and the anticipated addition of the comments above, it is IGES' opinion that the project geotechnical reports have been appropriately incorporated into the design.



## **CLOSURE AND LIMITATIONS**

The concept of risk is a significant consideration of geotechnical analyses. The analytical means and methods used in performing geotechnical analyses and development of resulting recommendations do not constitute an exact science. Analytical tools used by geotechnical engineers are based on limited data, empirical correlations, engineering judgment, and experience. As such, the solutions and resulting conclusions and recommendations presented in this report cannot be considered risk-free and constitute IGES's best professional opinions and recommendations based on the available data and other design information available at the time they were developed. IGES has developed the preceding analyses, recommendations and opinions, at a minimum, in accordance with generally accepted professional geotechnical engineering practices and care being exercised in the project area at the time our services were performed. No warranties, guarantees or other representations are made.

The information contained in this report is based on limited field data and understanding of the project, it is possible for conditions to vary between and beyond the points explored. Such variations may not be observed until construction excavations are initiated. If any conditions are encountered at this site that are different from those described in previous exploration reports, IGES must be immediately notified so that we may make any necessary revisions to recommendations and opinions contained in this report. In addition, if the scope of the proposed construction or grading changes from those described in this report, our firm must also be notified.

This report was prepared for our client's exclusive use on the project identified in the foregoing. Use of the data, recommendations, opinions or design information contained herein for any other project or development of the site not as specifically described in this report is at the user's sole risk and without the approval of IGES, Inc. It is the client's responsibility to see that all parties to the project including the designer, contractor, subcontractors, etc. are made aware of this report in its entirety.

We recommend that IGES be retained to review the final design plans, grading plans and specifications to determine if our engineering recommendations have been properly incorporated in the project development documents. We also recommend that IGES be retained to evaluate, construction performance and other geotechnical aspects of the projects as construction initiates, continues and progresses through its completion

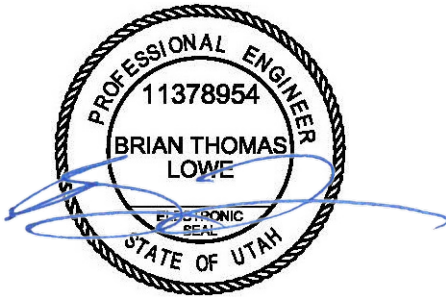


We appreciate the opportunity to be of service on this project. Should you have any questions regarding the report or wish to discuss additional services, please do not hesitate to contact us at your convenience.

Respectfully submitted,

Reviewed by,

IGES, Inc.



07/26/2021

Brian Lowe, P.E.

Staff Engineer

A handwritten signature in blue ink, appearing to read "Jared Hawes".

Jared Hawes, P.E.

Senior Engineer, Project Manager

## **REFERENCES**

IGES, 2017, "Geotechnical Engineering Evaluation Snow Basin Parking Lot Expansion Weber County, Utah", unpublished consultant's report, June 15, 2017.

IGES, 2021, "Geotechnical Investigation Maples Parking Lot Snowbasin Resort Huntsville, Utah", unpublished consultant's report, May 20, 2021.