



WESTERN GEOLOGIC & ENVIRONMENTAL LLC

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February 3, 2021

B & H Investment Properties
Steve Fenton
110 West 1700 North
Centerville, Utah 84014

SUBJECT: Geologic Services
The Reserve at Crimson Ridge Phase 2 Subdivision
1250 North 5200 East
Eden, Weber County, Utah

Dear Mr. Fenton:

Western Geologic & Environmental LLC (Western Geologic) previously produced a geologic hazards evaluation report for the subject site ("*Geologic Hazards Evaluation--Proposed Crimson Ridge Phase 2 Subdivision, about 1100 North Morningside Lane, Eden, Utah*") dated May 15, 2020. Our report identified high-risk hazards at the site from earthquake ground shaking and landslides, and moderate-risk hazards from shallow groundwater, stream flooding, debris flows and floods, and problem soil. With regard to these hazards, we recommended: (1) homes be constructed to current adopted seismic building codes; (2) no unplanned cuts be made in the slopes at the site without prior geotechnical analyses, and proper surface and subsurface drainage be maintained; (3) a design-level geotechnical engineering study be conducted to assess soil foundation conditions, provide recommendations regarding subsurface drainage, and evaluate slope stability; and (4) alluvial-fan flooding be addressed in the civil engineering design, with care regarding design of creek culverts. Additional recommendations were also provided regarding excavation backfill and hazard disclosures.

A civil engineering plan folio has been produced for the subject property by Gardner Engineering dated January 25, 2021. The plan folio includes several sheets detailing various Project design characteristics. With regard to our recommendations (2), (3) and (4) above, surface-water drainage calculations are provided by the civil engineer on sheet C5 and design schematics for a 60-inch culvert beneath Skyline Drive where it crosses the unnamed drainage in the north part of the site are provided on sheet D8.

Based on our review, the civil engineering plans and designs meet our recommendations. No review of geotechnical-related design specifications or recommendations was conducted and is beyond our professional scope. No changes appear needed to our recommendations at this time.

It has been a pleasure working with you on this Project. Should you have any questions, please call.

Sincerely,
Western Geologic & Environmental LLC



Bill. D. Black, P.G.
Subcontract Geologist

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WG&E Project No. 5378

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