



July 21, 2014
Job No. 1661-02N-14

Mr. Eric Householder
Lewis Homes
5577 Elkhorn Drive
Eden, Utah 84092

Mr. Householder:

Re: Addendum I
Proposed Rock Retaining Walls
The Ridge Development
Moose Hollow Drive
Eden, Utah

As requested by Mr. Eric Householder of Lewis Homes, this letter is an addendum to the geotechnical design letter¹ prepared by GSH for proposed rock retaining walls on Moose Hollow Drive within The Ridge Development in Eden, Utah. The intent of this letter is to provide additional information related to the proposed rock wall configurations at the site.

We understand that the upper rock wall tier may be eliminated from all or a portion of the project along Moose Hollow Drive and the slope above the lower rock wall tier would be graded at approximately 2.5H:1V (Horizontal to Vertical) for a maximum vertical height of about 15 feet. We re-analyzed the rock wall with the 2.5H:1V slope above the wall, boulders grading from a minimum diameter of about 48 inches for the lowest row to about 36 inches for the upper row, a minimum imbed of 2 feet for the lowest row of boulders, and using the same parameters and methodology discussed in our referenced letter. Based on our analysis (see attached Figures 2A and 3A), the proposed configuration meets the minimum required factors of safety indicated in the referenced letter. All recommendations in the referenced design letter should be followed.

¹ "Letter, Proposed Rock Retaining Walls, The Ridge Development, Moose Hollow Drive, Eden, Utah,"
GSH Geotechnical, Inc., GSH Job No. 1661-02N-14, July 8, 2014.

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If you have any questions or would like to discuss these items further, please feel free to contact us at (801) 393-2012.

Respectfully submitted,

GSH Geotechnical, Inc.



Andrew M. Harris, P.E.
State of Utah No. 7420456
Senior Geotechnical Engineer



Reviewed by:



William G. Turner, P.E.
State of Utah No. 171715
Senior Geotechnical Engineer

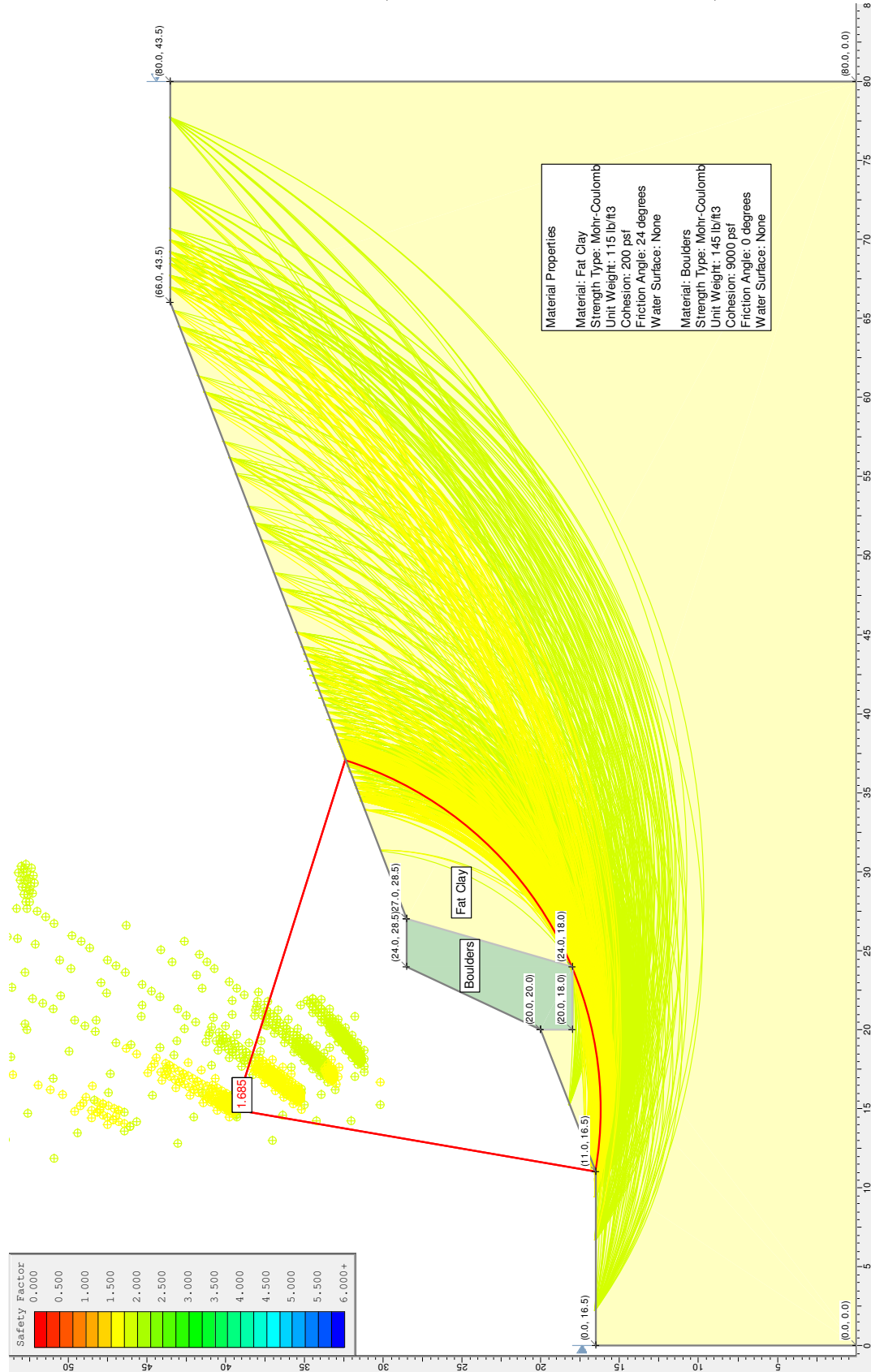
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Encl. Figure 2A and 3A, Stability Results

Addressee (email)

STABILITY RESULTS

THE RIDGE DEVELOPMENT, MOOSE HOLLOW DRIVE, EDEN



STABILITY RESULTS

THE RIDGE DEVELOPMENT, MOOSE HOLLOW DRIVE, EDEN



Material Properties

Material: Fat Clay
 Strength Type: Mohr-Coulomb
 Unit Weight: 115 lb/ft³
 Cohesion: 200 psf
 Friction Angle: 24 degrees
 Water Surface: None

Material: Boulders
 Strength Type: Mohr-Coulomb
 Unit Weight: 145 lb/ft³
 Cohesion: 9000 psf
 Friction Angle: 0 degrees
 Water Surface: None

