

**To:** Mr. Brad Gilson P.E.  
Cottonwood Heights City Engineer

**cc** Mr. Brian O. Berndt  
Cottonwood Heights Community & Economic Development Director

Glen E. Goins, AICP  
Cottonwood Heights Senior Planner

**From:** GeoStrata, Timothy J. Thompson, PG

**Date:** October 31, 2014

**Subject:** Review of Response Letter Giverny PUD Subdivision 9180 South Wasatch Boulevard Cottonwood Heights City, Utah SBI Project No: 2-14-501 dated October 24, 2014



GeoStrata was provided the above referenced response letter for review. The above cited SBI response letter (SBI, 2014b) was submitted to Cottonwood Heights City for the proposed Giverny development for review in consideration of preliminary acceptance of the development plat for the subject site. We have conducted a review of the response letter and have the following review comments:

SBI, 2014b references a conference call which occurred on October 15, 2014 which included as participants Mr. Dade Rose, Mr. Richard Cook, Mr. David Simon and myself. The purpose of the conference call as stated in SBI, 2014b is as follows:

*“The purpose of the conference call was to clarify specific items in the following Cottonwood Heights review letters for which Cottonwood Heights is requesting clarification.*

- 1. July 15, 2014, GeoStrata review of “SBI Fault Investigation, Despain Property – 127 acres SW Quarter of Section 1, SE Quarter of Section 2, and NW Quarter of Section 12, T3S, R1E Salt Lake County, Utah,” (SBI Project No. 2-04-232), Dated July 29, 2005*
- 2. August 14, 2014, GeoStrata review of “SBI Response to Cottonwood Heights City review letter,” (SBI Project No. 2-14-501), Dated July 31, 2014”*

The stated purposes of the SBI, 2014b were stated by SBI as follows:

*“The purpose of this letter is to clarify, in order to obtain resolution:*

- 1. The remaining geologic issues identified during the conference call, and;*
- 2. Summaries additional work performed by SBI, at the request of Giverny, to obtain sufficient data to support final geologic conclusions”*

GeoStrata has reviewed SBI, 2014b and finds that the outstanding geologic issues noted in the GeoStrata review letter dated August 14, 2014 and titled **Review of Response to Cottonwood Heights City Review Letter SBI Project No: 2-14-501 dated July 31, 2014** have been addressed by SBI and the requested clarifications have been provided.

GeoStrata recommends the following as part of accepting the SBI surface fault rupture hazard investigation for the proposed Giverny development:

1. The rear yard setback of 15 feet for Lots 303 through 308 should be noted on the plat as a fault setback area.
2. Subsurface conditions within at least the 15 feet east of the proposed building footprint for Lot 302 shall be observed, prior to city approval for placement of footings, by SBI or another qualified Licensed Geologist to confirm that no active faults are located within 15 feet of the proposed footings for the residence constructed on that lot. The portion of Lot 302 which lies within 15 feet west of the east end of the area that will be observed shall be shown on the plat as a fault setback area on a line perpendicular to the mapped orientation of fault F-2b.
3. Subsurface conditions within at least the 15 feet east of the proposed building footprint for Lot 303 shall be observed, prior to city approval for placement of footings, by SBI or another qualified Licensed Geologist to confirm that no active faults are located within 15 feet of the proposed footings for the residence constructed on that lot. The portion of Lot 303 which lies within 15 feet west of the east end of the area that will be observed shall be shown on the plat as a fault setback area on a line perpendicular to the mapped orientation of fault F-2b.

GeoStrata considers the following documents to comprise the SBI surface fault rupture hazard investigation for the proposed Giverny development:

1. SBI, July 29, 2005, Fault Investigation, Despain Property – 127 acres SW Quarter of Section 1, SE Quarter of Section 2, and NW Quarter of Section 12, T3S, R1E Salt Lake County, Utah, SBI Project No. 2-04-232
2. SBI, July 31, 2014, Response to Cottonwood Heights City review letter, SBI Project No. 2-14-501
3. SBI, October 24, 2014, Response Letter Giverny PUD Subdivision 9180 South Wasatch Boulevard Cottonwood Heights City, Utah, SBI Project No. 2-14-501

GeoStrata also considers the following documents to be a part of the record that should be disclosed as a part of the surface fault rupture hazard documentation for the proposed Giverny development:

1. GeoStrata, July 15, 2014, Review of Fault Investigation Despain Property – 127 Acres SW Quarter of Section 1, SE Quarter of Section 2, and NW Quarter of Section 12, T3S, R1E Salt Lake County, Utah (SBI Project No. 2-04-232) prepared by SBI and dated July 29, 2005
2. GeoStrata, August 14, 2014, Review of Response to Cottonwood Heights City Review Letter SBI Project No: 2-14-501 dated July 31, 2014
3. GeoStrata, October 31, 2014, Review of Response Letter Giverny PUD Subdivision 9180 South Wasatch Boulevard Cottonwood Heights City, Utah SBI Project No: 2-14-501 dated October 24, 2014

## **Closure**

This letter is issued in response to the consultant's assessment of the above referenced site. Comments and recommendations in this review letter are based on field data presented by the Consultant. GeoStrata provides no warranty that the data in the Consultants' reports are complete or accurate. GeoStrata has not performed an independent site assessment. Recommendations and Comments presented in this review letter are provided to Cottonwood Heights City to aid in reducing risks from geologic hazards. GeoStrata makes no warranty; either expressed or implied and shall not be liable for any direct, special, incidental, or consequential damages with respect to claims by users of this review.

All services performed by GeoStrata for this review were provided for the sole use and benefit of Cottonwood Heights City. No other person or entity may or is entitled to use or rely upon any of the information generated by GeoStrata as a result of this review.