



Geotechnical Exploration, Inc.

SOIL AND FOUNDATION ENGINEERING • GROUNDWATER • ENGINEERING GEOLOGY

3 March 2020

All Right Storage, Inc.
11300 Sorrento Valley Road, Suite 250
San Diego, CA 92121
Attn: Mr. Olivier Andreu

Job No. 14-10558.1

Subject: **Update and Grading Plan Review**
Cottonwood Self Storage Project
8708 Cottonwood Ave
Santee, California
APN Nos. 384-307-25-00

Dear Mr. Andreu:

In accordance with your request and as required by the City, ***Geotechnical Exploration, Inc.*** has reviewed the preliminary grading plans for the project prepared by Excel Engineering and received on March 3, 2020. We previously performed a preliminary geotechnical investigation for a previously planned project at the site, the results of which were presented in our report dated July 10, 2014. In addition, we previously performed an update geotechnical investigation and infiltration testing for the currently proposed project, the results of which were presented in our report dated March 28, 2018.

CONCLUSIONS AND RECOMMENDATIONS

Based on review of our previous investigations at the site, as well as the presently proposed development plans, it is our opinion that the conclusions and recommendations presented in our previous preliminary geotechnical investigation report dated July 10, 2014 and update dated March 28, 2018, remain applicable for the proposed site development with the exception of the seismic design parameters presented below.

The seismic design parameters presented in our 2014 report cited the 2013 CBC and the 2018 report cited UBC 2016. The presently proposed project will be constructed in accordance with the 2019 CBC. The updated 2019 CBC seismic design parameters are presented in the following table.

TABLE I (BASED ON ASCE 7-16)

Mapped Spectral Acceleration Values and Design Parameters

S_s	S_1	F_a	F_v	S_{ms}	S_{m1}	S_{ds}	S_{d1}
0.768g	0.283g	1.2	1.5	0.922g	0.424g	0.615	0.283

Our services consist of professional opinions and recommendations made in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied.

This opportunity to be of continued service is sincerely appreciated. If you have any questions concerning this matter, please contact our office. Reference to our **Job No. 14-10558.1** will help to expedite a response to your inquiries.

Respectfully submitted,

GEOTECHNICAL EXPLORATION, INC.


Wm. D. Hespeler, G.E. 396
Senior Geotechnical Engineer

