

RODRIGUEZ CONSULTING AND ENGINEERING

Land Planning and Soil Engineering

August 24, 2022

Project No. RCE-22136-01

TO: Industrial Outdoor Ventures
10 N. Martingale Rd., Suite 560
Schaumburg, IL 60173

ATTENTION: Rob Chase

SUBJECT: Soil Report & Seismic (CBC 2019) Update, Proposed New Warehouse/Retail Facility, Riverside Drive (APN 156-030-016, -017 and -042), City of Jurupa Valley, California

REFERENCE: Soil Exploration Co., Inc., "Preliminary Soil Investigation, Liquefaction Evaluation and Infiltration Tests Report, Proposed Construction Equipment Rental Facility, Riverside Drive (APN 156-030-016, -017 and -042), City of Jurupa Valley, California", Dated September 12, 2019 (Project No. 1826-01).

Introduction

Per your authorization, we have reviewed the referenced report and prepared this CBC (2019) seismic update for the subject site.

General

After reviewing the above referenced report, the updated site plan (dated 5/16/2022), and all pertinent geology maps for the area (including geologic hazard maps), we have come to the conclusion that the latest proposed development, the existing site condition, the scope of work and geologic hazards are remain the same. Conclusions and recommendations presented in the above referenced report, except as modified herein remain pertinent.

California Building Code (CBC) 2019 Update

2019 CBC – SEISMIC PARAMETERS		
SITE COORDINATES	LATITUDE	LONGITUDE
	34.0193	-117.5459
Mapped Spectral Response Acceleration	S_s = 1.618	S₁ = 0.59
Site Coefficients (Class "D")	F_a = 1.0	F_v = 1.7
Maximum Considered Earthquake (MCE) Spectral Response Acceleration	S_{MS} = 1.618	S_{M1} = 1.00
Design Spectral Response Acceleration Parameters	S_{DS} = 1.079	S_{D1} = 0.669
Seismic Design Category	D	
Peak Ground Acceleration (PGA)	0.676g	
Site Amplification factor at PGA (F_{PGA})	1.1	

Site Modified Peak Ground Acceleration (PGA_m)	0.743
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References:

- Earthquake.usgs.gov/research/hazmaps/design
- 2019 California Building Code, California Code of Regulations, Title 24, Part 2, Volume 2 of 2, Section 1613, Earthquake Loads

Conclusions and Recommendations

General

Based on our review, conclusions and recommendations presented in the referenced report, except as modified herein, remain pertinent.

Seismic Considerations

The site is located in a region of generally high seismicity, as is all of Southern California. During its design life, the site is expected to experience moderate to strong ground motions from earthquakes on regional and/or nearby causative faults. The structural engineer should consider City/County local codes, California Building Code (CBC) 2019, seismic data presented herein, the latest requirements of the Structural Engineers Association, and any other pertinent data in selecting design parameters.

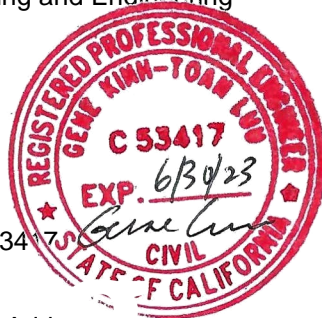
Limitation

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Closure

If you should have any questions regarding this report, please do not hesitate to call this office. We appreciate this opportunity to be of service.

Very truly yours,
Rodriguez Consulting and Engineering



Gene K. Luu, PE 53417
Project Engineer

Distribution: [1] Addressee