

July 19, 2021

Holman Automotive Group, Inc.
c/o 3J Consulting
9600 Nimbus Avenue, Suite 100
Beaverton, Oregon 97008

Attention: Brian Feeney, 3J Consulting

Subject: Report Addendum
Lynnwood Auto Dealership
188th Street SW and SR 99
Lynnwood, Washington
File No. 24789-001-00

INTRODUCTION

This report addendum presents conclusions and recommendations supplemental to our March 3, 2021 Geotechnical Engineering Services Report (Geotechnical Report) for the above-referenced project. The supplemental letter report serves to update our Geotechnical Report with respect to seismic design criteria. Revised values provided in this letter report were provided on May 13, 2021, to Brad Kheyri with MSC Engineering Inc. through email correspondence.

SCOPE OF SERVICES

Based on our communication with you, our services include the following:

1. Provide updated seismic design parameters based on 2018 International Building Code (IBC).

CONCLUSIONS AND RECOMMENDATIONS

2018 IBC Seismic Design Information

For the site, we recommend using the following IBC 2018 seismic parameters presented below, in Table 1.



TABLE 1. MAPPED 2018 IBC SEISMIC DESIGN PARAMETERS

| Seismic Design Parameters | Recommended Value ^{1, 2} |
|---|-----------------------------------|
| Site Class | C |
| Mapped Spectral Response Acceleration at Short Period (S_s) | 1.311g |
| Mapped Spectral Response Acceleration at 1 Second Period (S_1) | 0.464g |
| Site Modified Peak Ground Acceleration (PGA_M) | 0.675g |
| Site Amplification Factor at 0.2 second period (F_a) ² | 1.2 |
| Site Amplification Factor at 1.0 second period (F_v) ² | 1.5 |
| Design Spectral Acceleration at 0.2 second period (S_{DS}) ² | 1.049g |
| Design Spectral Acceleration at 1.0 second period (S_{D1}) ² | 0.464g |

Notes:

¹ Parameters developed based on Latitude N47.8287302° and Longitude -122.309308° using the ATC Hazards online tool.

Seismic hazards related to liquefaction and lateral spreading are presented in the March 3, 2021 Geotechnical Report.

LIMITATIONS

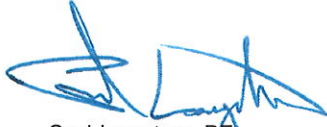
We have prepared this addendum letter for the Lynnwood Auto Dealership project in Lynnwood, Washington. Holman Automotive Group, Inc and 3J Consulting may distribute copies of this report addendum to authorized design and construction team members and to regulatory agencies as may be required for the project.

Except as modified in this addendum, the conclusions and recommendations presented in our March 3, 2021 Geotechnical Report are still appropriate for the proposed site improvements. The limitations presented as Appendix C in our “Geotechnical Engineering Services” report dated March 3, 2021 also apply to this report addendum.

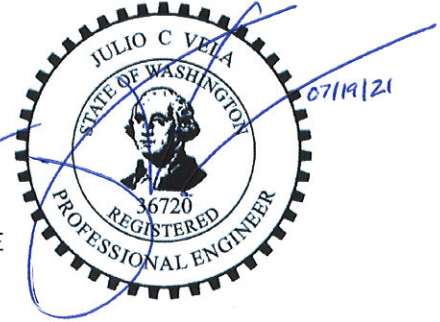



We appreciate the opportunity to continue to provide services to you for this project. Please contact us if you have any questions regarding this report addendum.

Sincerely,
GeoEngineers, Inc.



Carl Longton, PE
Geotechnical Engineer



Julio C. Vela, PhD, PE
Principal

CAH:CL:JCV:cje

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

Copyright© 2021 by GeoEngineers, Inc. All rights reserved.