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GEOLOGY AND SOILS REPORT CORRECTION LETTER

December 29, 2015

LOG # 89430-01R
SOILS/GEOLOGY FILE - 2
LIQ/PFRSA
Revised to correct owner

Sinianian Development
18980 Ventura Boulevard, Suite 200
Tarzana, CA 91356

TRACT: 7803
BLOCK: 15
LOTS: 20 / 19 / 11
LOCATION: 1749 & 1751 Malcolm Avenue and 1772 Glendon Avenue

<u>CURRENT REFERENCE</u> <u>REPORT/LETTER</u>	<u>REPORT</u> <u>No.</u>	<u>DATE OF</u> <u>DOCUMENT</u>	<u>PREPARED BY</u>
Addendum Report No. 1	15-363-26	11/30/2015	Applied Earth Sciences
Oversized Docs.	''	''	''

<u>PREVIOUS REFERENCE</u> <u>REPORT/LETTER(S)</u>	<u>REPORT</u> <u>No.</u>	<u>DATE OF</u> <u>DOCUMENT</u>	<u>PREPARED BY</u>
Dept. Correction Letter	89430	08/19/2015	LADBS
Geology/Soils Report	15-363-26	07/21/2015	Applied Earth Sciences

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provides recommendations for a proposed multi-unit residential development with a parking garage. According to the report, the site is relatively flat and occupied by existing residential structures.

The earth materials at the subsurface exploration locations consist of up to 4 feet of uncertified fill underlain by recent and older alluvium, sag pond and estuarine deposits. The consultants recommend to support the proposed structures on conventional foundations bearing on native undisturbed soils.

The site is located within a City of Los Angeles Preliminary Fault Rupture Study Area designated for the Santa Monica fault. The report includes the results of a fault rupture investigation that consisted of two transect of continuous core borings and cone penetrometer test soundings in Malcolm Avenue on the east side of the property. Active fault splays were identified through the northeastern corner of the property. The consultants recommend that proposed buildings be setback at least 20 feet from the fault splay and that a reinforced (thick mat) foundation be used to support the proposed structures.

The site is located in a designated liquefaction hazard zone as shown on the "Seismic Hazard Zones" map issued by the State of California.

The review of the subject report can not be completed at this time and will be continued upon submittal of an addendum to the report which shall include, but not be limited to, the following:

(Note: Numbers in parenthesis () refer to applicable sections of the 2014 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. The southern most fault closest to the proposed habitable structures identified by the consultants appears to be located between continuous core boring B-3 and CPT-7 in transect B-B' and between CPT-18 and CPT-10 in transect A-A'. As no direct evidence of the orientation of the fault has been provided, the most conservative orientation of the fault trace appears to be a fault that is located just north of B-3 and just south of CPT-19. Provide a revised possible fault orientation and setback; or, provide additional exploration to confirm the fault's trend as interpreted by the consultant.
2. As no exploration has been performed west of transect B-B' to identify the fault trend, the consultants should provide an opinion as to possible variability (non-linear, flowering, etc.) in the fault trend west of transect B-B', with appropriate setback.
3. As the consultants recommend building a cantilevered structure within the "No-Build Zone", the consultants shall provide recommendations as to the maximum vertical and horizontal offset of the fault; and, a recommendation for vertical and horizontal space to be maintained below the cantilevered structure. Provide a plan that depicts the required space maintained below the cantilevered structure. Note: The current plan appears to show a lobby with doorways in the cantilevered area. No at grade structures can be connected to the cantilevered section of the proposed building.

The geologist and soils engineer shall prepare a report containing the corrections indicated in this letter. The report shall be in the form of an itemized response. It is recommended that once all correction items have been addressed in a response report, to contact the report review engineer and/or geologist to schedule a verification appointment to demonstrate compliance with all the corrections. Do not schedule an appointment until all corrections have been addressed. Bring three copies of the response report, including one unbound wet-signed original for microfilming in the event that the report is found to be acceptable.



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Engineering Geologist Associate II



GLEN RAAD
Geotechnical Engineer I

CLJ/GR:clj/gr
Log No. 89430-01R
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cc: Applied Earth Sciences, Project Consultant
WL District Office