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By Alameda County Environmental Health 8:50 am, May 17, 2017

Project No. 2015-29
May 16, 2017

Mr. Tyler Wood
Lennar Multifamily Communities
492 9th Street Suite 300
Oakland, California 94607

Subject: **ADDENDUM TO LETTER WORKPLAN**
Parking Lot Parcels
APNs 8-625-16; 8-625-17; 8-625-18; and 8-625-2-1
1750 Webster Street, 1810 Webster Street, and 301 19th Street
Oakland, California
VRAP Case No. RO0003229
SCP No. RO0002672

- References:
- 1) Summary of Environmental Activities Report for 1750 Webster, 1810 Webster and 301 19th Street, Oakland, California
By GeoSolve, Inc.
Dated November 10, 2016
 - 2) Letter Workplan for Environmental Activities at 1750 Webster, 1810 Webster and 301 19th Streets, Oakland, California
By GeoSolve, Inc.
Dated April 25, 2017

Dear Mr. Wood:

At your request and at the request of the Alameda County Health Care Services Agency (ACHCSA), *GeoSolve, Inc.* presents our Addendum to Letter Workplan for the soil characterization work conducted on May 15 and May 16, 2017 at the above referenced site. The subject properties are located at 1750 and 1810 Webster Streets and 301 19th Street in Oakland, California. The subject properties are operated as an asphalt covered parking lots along Webster Street and 19th Street and have Assessor's Parcel Numbers (APN) 8-625-16; 8-625-17, 8-625-18; and 8-625-2-1.

This work will be updated in Reference 1 prior to submittal to the ACHCSA for site closure approval and was performed in addition to the work proposed in Reference 2.



The purpose of this work was to evaluate the lateral and vertical extent of lead impaction beneath the subject property to accommodate construction bidding and soil disposal estimates for the proposed construction at the subject site.

Task 1 – Additional Soil-Characterization Activities

Prior to commencement of fieldwork, *GeoSolve, Inc.* will locate 29 proposed borings (L-1 through L-29) along with the proposed work presented in the Letter Workplan for Environmental Activities (Reference 2). Alameda County Public Works Department (ACPWD) was contacted Thursday May 11, 2017, via electronic mail to update the drilling protocol.

The boring locations are shown on the attached Figure A. Once the proposed borings were marked, *GeoSolve, Inc.* obtained a drilling permit through the ACPWD and contacted underground service alert (USA) at least 48-hours before drilling activities. In addition, a Site-Specific Health and Safety Plan will be prepared for the project, and will be kept on-site during fieldwork activities.

Once USA was contacted and a drilling permit was obtained, a *GeoSolve, Inc.* field geologist will observe a State-licensed drilling contractor advance 29 borings to approximately ten (10) feet below ground surface (bgs) at the locations shown on Figure A. Eighteen (18) of the borings will be advanced around the elevated lead concentrations detected in B-1 at 5 feet bgs and in SPB-3 at 5 feet bgs.

Soil-Sampling and Laboratory Methods

Soil samples will be hand-sawed at 1-foot intervals, the ends covered with Teflon-tape, capped, labeled, and placed within a pre-chilled ice chest. Since this work is for excavation and disposal soil characterization, soil descriptions will not be provided. The soil samples will be transported under chain-of-custody documentation to a State-certified hazardous waste testing laboratory for analysis. The 2-foot, 4-foot, 6-foot, 8-foot and 10-foot samples will be analyzed for total lead using Environmental Protection Agency (EPA) Methods SW846/SW6020. If lead concentrations exceed 50 milligrams per kilogram (mg/Kg), then the soil sample will be analyzed using soluble threshold limit concentration (STLC) procedure using EPA Methods CA Title 22/SW6020. If lead concentrations exceed 100 mg/Kg, then the soil sample will be analyzing using toxicity characteristic leaching procedure (TCLP) by EPA Methods SW1311/SW3010/SW6020. The soil samples collected at 1-foot, 3-feet, 5-feet, 7-feet and 9-feet will be placed on hold.

The borings will be backfilled with neat cement to grade under the observation of an ACPWD field inspector.

GeoSolve, Inc. will prepare a technical letter report summarizing the findings of the Additional Soil-Characterization Activities. The report will include figures, tables and laboratory analytical results of the soil samples and provide recommendations. The report will be finalized and sealed by a California licensed Certified Engineering Geologist (C.E.G.).



PRELIMINARY TIME SCHEDULE

GeoSolve, Inc. can conduct the additional soil-characterization activities immediately and a technical report will be prepared within two weeks of obtaining laboratory analytical results. The report will be summarized in Reference 1, which will be updated in June 2017 as requested by the ACHCSA. The laboratory data and technical report will be uploaded to Geotracker in June 2017.

If you have any questions or need further information regarding this Addendum to Letter Workplan, please contact us at your convenience.

Sincerely,

GeoSolve, Inc.



Robert D. Campbell, M.S., P.G., C.E.G., Q.S.D.
Principal Engineering Geologist

Attachments: Figure A, Additional Soil Characterization Boring Locations





GeoSolve, Inc.
Geoscience solutions rather than Status-Quo
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SOIL MANAGEMENT PLAN		Figure No.
LENNAR MULTIFAMILY COMMUNITIES SUMMARY OF ENVIRONMENTAL ACTIVITIES 1750 and 1810 WEBSTER STREET and 301 19th STREET OAKLAND, CALIFORNIA		A
Project No. 2015-29	Drawn by: GC	
Scale: AS SHOWN	Date: 04/2017	