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By Alameda County Environmental Health 11:18 am, Aug 21, 201

**Mr. Jeremy Harris
1919 Crew LLC
Pier 54 Suite 202
San Francisco, CA 94158**

Ms. Dilan Roe
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: 1919 Market Street – Acknowledgement Statement

Oakland, California 94805
ACEH Case# RO0003205
APNs 5-410-13-1, 5-410-14, 5-410-25

Dear Ms. Roe:

1919 Crew LLC has retained the environmental consultant referenced on the attached report for the project referenced above. The attached report is being submitted on behalf of 1919 Crew LLC.

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the State Water Resources Control Board's GeoTracker website.

Sincerely,

Jeremy Harris



August 17, 2017
Project No. 16-1090

Mr. Robert Schultz
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Work Plan – Cone Penetration Tests
1919 Market Street
Oakland, California

Dear Mr. Schultz,

This letter presents our work plan for performing four cone penetration tests (CPTs) at 1919 Market Street in Oakland, California. The approximate locations of the proposed CPTs, designated as CPT-4 through CPT-7, are shown on the attached site plan (Attachment 1). The CPTs will each be advanced to a depth of 50 feet, unless practical refusal is encountered at a shallower depth.

The CPT is performed by hydraulically pushing a 1.4-inch-diameter cone-tipped probe with a projected area of 10 square centimeters into the ground. The cone-tipped probe measures tip resistance and the friction sleeve behind the cone tip measured frictional resistance. Once the CPT is advanced to the target depth, the probe is retrieved and the CPT hole will be tremie grouted. The CPT probe and rods will be wiped with cleaning agent (i.e. Simple Green or Alconox) and then rinsed with water. A copy of the cone operators Job Safety Analysis is attached (Attachment 2) and Item 7 describes the decontamination procedure. No soil will be generated by performing the CPTs and workers contact with soil and groundwater will be limited to cleaning of the CPT rod and probes, which is minimal.

Pangea Environmental Services, Inc. (Pangea), the project environmental consultant, had reviewed the CPT locations. Mr. Bob Clark-Riddell of Pangea in an email dated August 16, 2017 confirmed that the proposed CPT work does not trigger management planning specified in the SMP. The SMP states *“This management plan addresses potential residual VOCs in soil, groundwater, and soil gas that could be encountered during planned site improvement. Planned subsurface work will require shallow excavation to install utility conduits, footings, and grade beams. The management plan includes screening of soil with a field meter for presence of VOCs, as required by ACDEH.”*

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Nonetheless, consistent with the SMP, we will notify ACDEH and Pangea of the CPT schedule. Pangea will observe the CPT activities. If VOC odors or staining are observed on the CPT rods, Pangea can record these observations. If VOC odors are observed, the CPT crew can follow their health and safety plans in accordance with their standard practices and applicable laws.

In the August 16, 2017 email, Pangea further indicated that no significant soil or groundwater impact has been found at the site (other than limited TPH impact in the street near the former USTs and in the southeast corner). The primary concern at this site has been sub-slab and soil gas impact in the northwestern corner of the site, and sub-slab gas in the north central. From the very low sub-slab/soil gas concentrations, this impact represents a future vapor intrusion concern and does not exceed short-term permissible exposure limits (PELs) for workers.

All work conducted at the site will be performed in conformance with the Site Management Plan dated October 26, 2016 and prepared by Pangea. All CPT holes will be grouted in accordance with Alameda County Public Works Agency guidelines; the County grout inspector will be notified to observe grouting. Within two weeks of completion of the fieldwork, we will electronically submit CPT logs to the ACDEH and to Geotracker.

We trust this work plan provides you with the information you requested. Should you have any questions, please call.

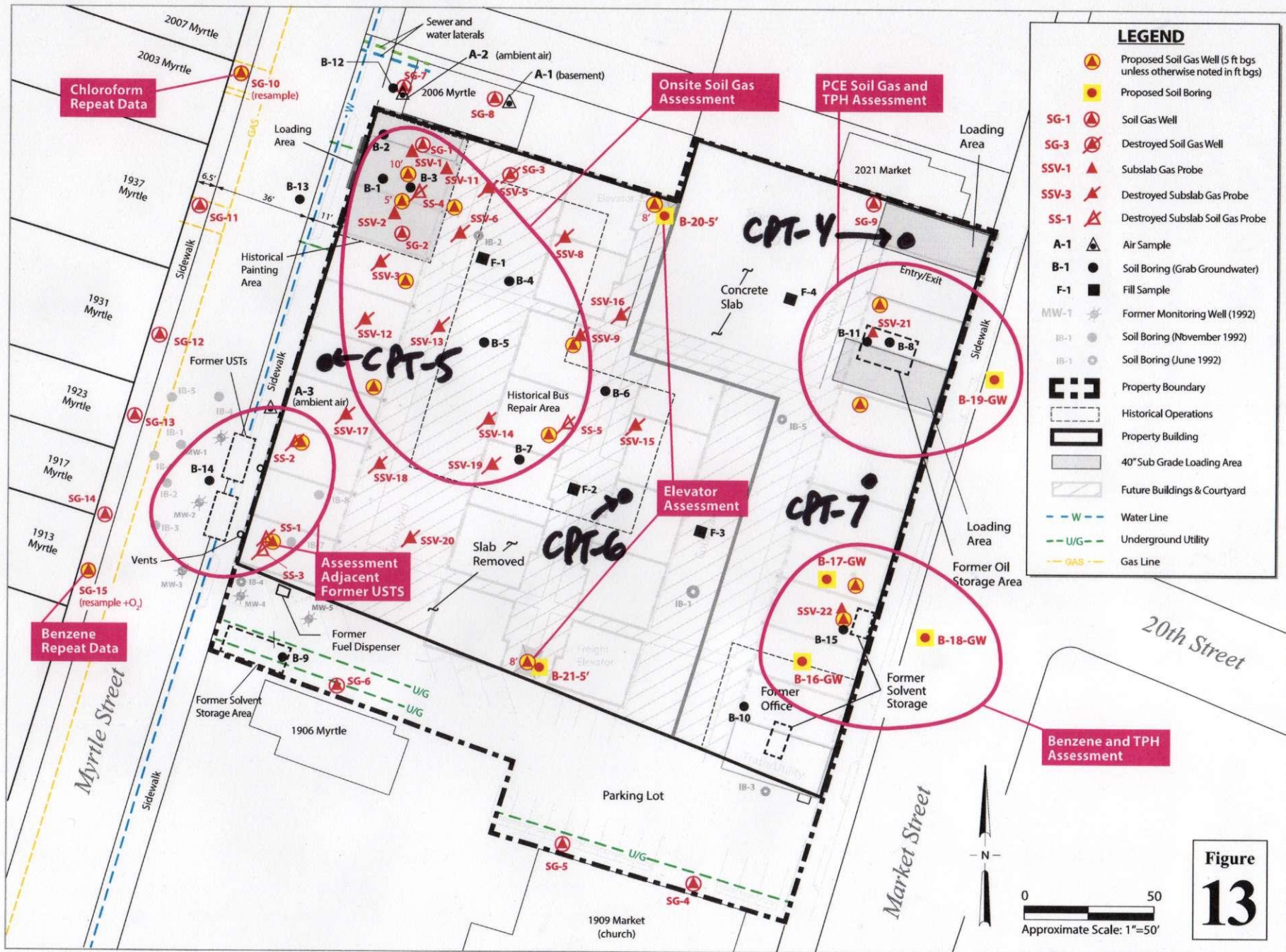
Sincerely yours,
ROCKRIDGE GEOTECHNICAL, INC.



Linda H. J. Liang, P.E., G.E.
Associate Engineer

Attachments:

1. Proposed CPT locations
2. Job Safety Analysis



1919 Market Street
Oakland, California



Proposed Sampling Locations
CPT

Job Safety Analysis

Cone Penetrometer Testing

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JSA Type: SAR Operations Transport Office Construction New Revised Date: 05/25/2016

MEGT Office: Orange/Fremont Client General Location: General

Work Type: **Cone Penetrometer Rig Operations** Work Activity: Cone Penetrometer Testing

Personal Protective Equipment (PPE):
 Minimum PPE is Level D including: Nomex Suit (as needed), safety glasses or goggles, steel-toed boots, hearing protection (as needed), hard hat and gloves.
Additional PPE may be required in the Health & Safety Plan (HSP).

Development Team	Position/Title	Reviewed By	Position/Title	Date
Bobby Hancock	CPT Operations Manager	Amanda Hancock	Administrative Manager	12/15/2015

Field staff must review job-specific work plan and coordinate with project manager to verify that all up-front logistics are completed prior to starting work including, but not limited to, permitting, access agreements, and notification to required contacts (e.g. site managers, inspectors, clients, subcontractors, etc.). Additionally, a tailgate safety meeting must be performed and documented at the beginning of each workday. Safe Performance Self Assessment (SPSA) procedures must be used during field activities. Also consider weather conditions (heat, cold, rain, lightning).

1 Job Steps	2 Potential Hazard	3 Critical Actions
1. Vehicle Parking	<ul style="list-style-type: none"> Property Damage, Physical Injury, Disruption to Traffic Flow 	<ul style="list-style-type: none"> Avoid all overhead structures when entering the site. Assess the site for suitable safe parking. Utilize personnel to assist with vehicle maneuvering on site. Verify all vertical clearances if vehicles must be driven under a structure. <u>Verify trucks have wheels chocked</u>
2. Site Safety Communication	<ul style="list-style-type: none"> General Site Safety 	<ul style="list-style-type: none"> Conduct/Participate in site safety meeting with all parties prior to commencing work at the site. Review the following: <ul style="list-style-type: none"> JSA Site H&S plan Hospital Location Emergency equipment shut off First Aid Kit Location Eye Wash Station Fire Extinguisher Location Spill Containment Location Exclusion Zone Delineation Minimum PPE Requirement Site Traffic Plan Emergency plan w/contacts Review SPSA protocols Evacuation Area and Route Additional site safety issues Minimum PPE as defined above

REQUIRED for all site work.

Job Safety Analysis

Cone Penetrometer Testing

DRAFT

3. Equipment Location Determination	<ul style="list-style-type: none">• Impaired Vehicle / Tanker Traffic Routes or Refinery Operations	<ul style="list-style-type: none">• Verify critical traffic routes for subcontractor activity and site traffic.
4. Equipment Setup	<ul style="list-style-type: none">• Collisions (structures, vehicles, pedestrians)	<ul style="list-style-type: none">• Exit vehicle and verify physical structures prior to maneuvering.• Utilize site personnel to assist with clearance for vehicle maneuvering.
5. Prepare job site	<ul style="list-style-type: none">• Injury or Exposure to Public or Other Onsite Personnel• Slip/Fall Hazards• Back Injury from Heavy Lifting• Heat Stress, Exhaustion, or Stroke	<ul style="list-style-type: none">• Set up work/exclusion zone.• Post appropriate signs prohibiting unauthorized entry.• Set up clear walking paths between workstations and keep work area clear of any trash or unnecessary equipment.• Use proper lifting posture when unloading and moving equipment and buckets.• Setup temporary shade for work area if needed.• Maintain drinking water at job site.
6. Lifting of CPT Rig	<ul style="list-style-type: none">• Area is clear & stable	<ul style="list-style-type: none">• Visually check area to make sure the rig is over a secure surface and no obstructions are in the way of the outriggers

<p>7. CPT operations</p>	<ul style="list-style-type: none"> Aware of moving equipment 	<ul style="list-style-type: none"> Make sure there are no obstructions in the way of the hydraulic push and everyone is clear. <p>Communicate to everyone the dangers of the Hydraulic push</p> <p>Keep hands clear of cog wheel</p> <p>Do not put hands between the top rods and the ceiling during a CPT test.</p>
<p>7. Deconing Equipment</p>	<ul style="list-style-type: none"> Cross Contamination & having contact with contamination. 	<ul style="list-style-type: none"> Use decon housing that mounted under the CPT rig, this will wipe off 99% of soil off the rods. Wipe rods with a cleaning agent, example would be Simple Green or Alconox . After wiping rods with cleaning agent wipe a second time with clean water. Use proper PPE, Nitrile gloves should be worn. No eating or drinking in the proximity of contaminated equipment. Make sure to wash before eating or drinking.