

**ROBERT A. BOOHER CONSULTING**  
Environmental Planning and Management  
3287 Congressional Court  
Fairfield, CA 94534  
Telephone (707) 399-7835  
[www.rabooherconsulting.com](http://www.rabooherconsulting.com)

November 29, 2015

Mr. Jerry Wickham  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

**RE: E&B Natural Resources Management Corporation's Backfill and Import  
ACEHS Remedial Action Case No. RO-0003181**

Dear Mr. Wickham,

During the month of November 2015, E&B Natural Resources Management Corporation (E&B) has been performing the soil remediation activities as described in our Soil Excavation and Groundwater Investigation Work Plan (Work Plan) dated September 16, 2015. At this time the excavation activities appear to be coming near completion, however, we have run out of operating room on site to continue excavating to the west where evidence suggests we need to continue. Attached is the preliminary analytical reports and a sample location map from the latest excavation activities for you review. We would request Alameda County Environmental Health Services (ACEHS) permission to be able to start backfilling the eastern portions of the excavation where the sample results appear to be in line with the goals of our remediation activities.

As requested and agreed upon for the backfilling and import material the following items outlined in your letter dated September 30, 2015, are listed in order under item 3 are as follows:

1&2) Attached Google Earth Aerial maps showing locations of import material that has been sampled which we are requesting to use as our import backfill. The import material we are requesting come from two sources. One, is from the Marshall family road construction activities on the adjacent property to the south of the excavation in an agricultural (pasture) setting. This soil is from the top two feet of native clayey silts.

The second source is a stockpile also on the adjacent property on Patterson Pass Road, Livermore which was imported from a residential construction project in Daly City, see attached manifest supplied by Marshall Brothers for this import material.

3) Samples represent approximately 250 cubic yards each. Discrete samples designated CF1 and

CF3 were collected from the material that was generated at a residential construction project in Daily City (350 + cubic yards), and samples designated CF2, CF4 and CF5 were collected from stockpiles generated from the top 2 feet of native onsite soils located on Patterson Pass Road. Total volume required to backfill the current excavation is approximately 1250 cubic yards. The top of the excavation will be capped with an imported base rock at the completion of backfill activities.

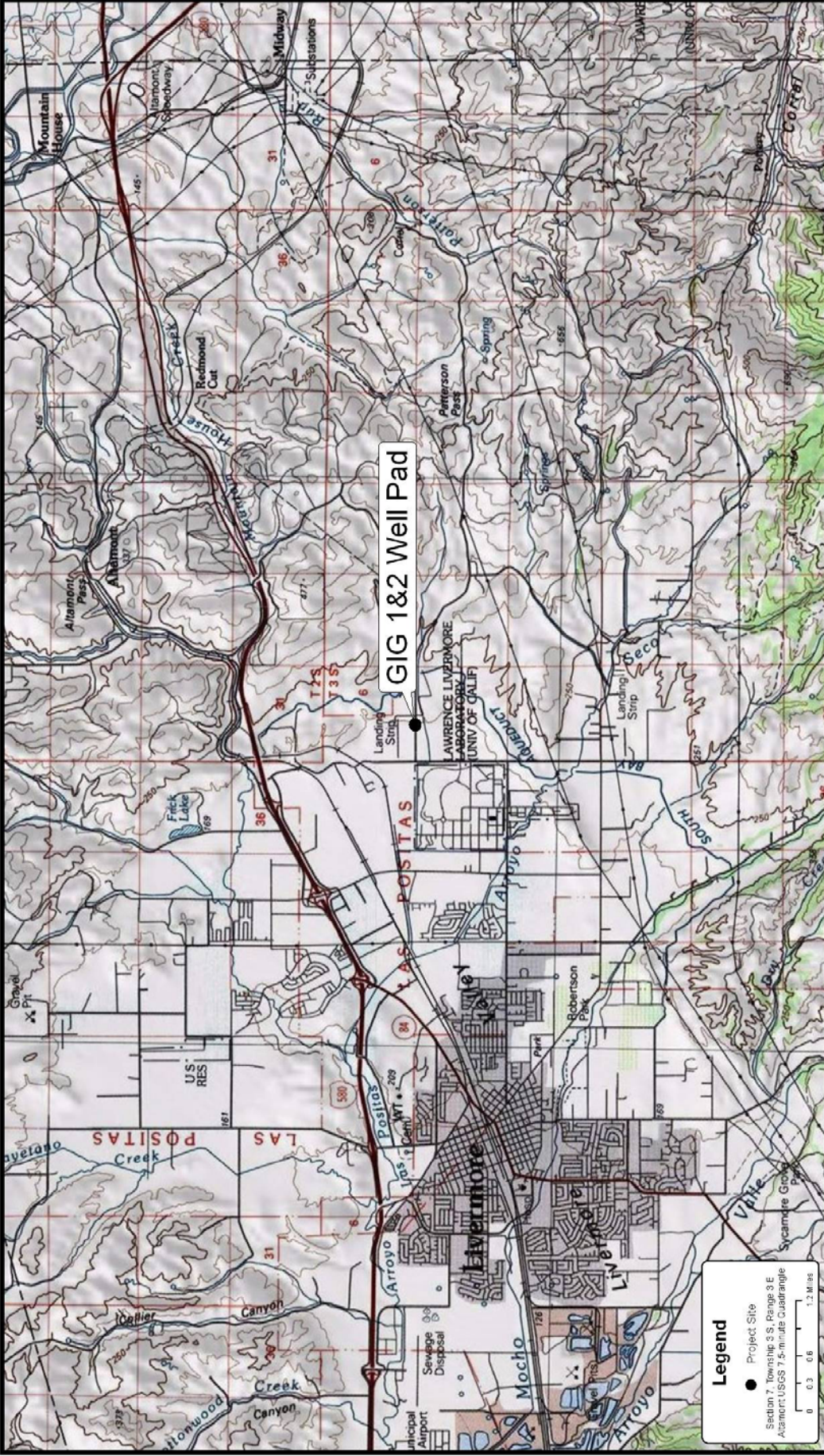
- 4) All samples collected from the proposed import materials were discrete samples
- 5) The soils generated from construction activities in Daily City appear to be a sandy silt with some clays and light yellowish brown in color. The native material generated from road construction activities on the adjacent property is comprised of a medium to dark brown clayey silt to silty clays, medium plasticity.
- 6) No debris, organic fill or construction material was observed in the proposed import materials.
- 7) No staining or odors were observed in any of the proposed import material.
- 8) The material from Daly City appears to be more granular and would be used for the backfill in the deeper portions of the excavation. The balance of the excavation would be backfilled from the soils generated on the adjacent property from the road construction activities.
- 9) Laboratory results attached. The first round of samples were tested following the California Department of Toxic Substances Control Information Advisory, Clean Imported Fill Material (DTSC 2001), and results from CF1 and CF2 are attached, additional samples were then collected as the excavation increased in volume. Additional samples CF3-CF5 have the TPH results attached, additional analyses pending.

Due to the fast approaching winter rains, we are requesting to start scheduling these backfilling activities as quickly as possible. Thanks you for your attention to this matter.

If you have any questions regarding this report, please contact me directly at (530) 237-6628, or you may reach Bob Booher at (707) 399-7835.

Sincerely,

Jeff Monroe  
Project Geologist  
**Robert A. Booher Consulting**



GIG 1&2 Well Pad

**Legend**

- Project Site

Section 7, Township 3 S, Range 3 E  
 Alameda USGS 7.5-minute Quadrangle

0 0.3 0.6 1.2 Miles



ES&B Natural Resources Management Corporation  
 1800 Morris Road  
 Eureka, California 95506

**FIGURE 1**  
**Project Vicinity Map**

Robert A. Eicher Consulting  
 Environmental Planning & Management  
 3237 Congressional Court  
 Fairfield, California 94554  
 Telephone (707) 389-7835



E&S Natural Resources Management Corporation  
 GIG 1 & 2 Site Address:  
 6477 Patterson Pass Road  
 Livermore, California 94550

**FIGURE 4**  
**Former GIG Tank Facility Excavation and Sample Locations**

**Legend**

- Current Excavation Area
- Sampling Locations

Section 7, Township 3 S Range 3 E  
 Alameda USGS 7.5-minute Quadrangle

Robert A. Boucher Consulting  
 Environmental Planning & Management  
 3297 Congressional Court  
 Fairfield, California 94534  
 Telephone (707) 399-7635