December 16, 2013

Mr. Mark Detterman
Environmental Health Department
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: *Asbestos Investigation Work Plan*
San Lorenzo High School
50 E. Lewelling Blvd.
San Lorenzo, California

Dear Mr. Detterman:

Attached is a work plan to investigate the potential occurrence of asbestos in shallow soil located at an undeveloped portion of the referenced site. The work plan was prepared by Equologic Group.

I declare, under penalty of perjury, that the information and recommendations contained in the attached document is true and correct to the best of my knowledge.

Paul Dixon, AIA
Director
Facilities and Operations
San Lorenzo Unified School District
15510 Usher Street
San Lorenzo, CA 94580-1641

December 11, 2013

Mr. Mark Detterman
Environmental Health Department
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: *Asbestos Investigation Work Plan*
San Lorenzo High School
50 E. Lewelling Blvd.
San Lorenzo, California

Dear Mr. Detterman:

This letter provides a work plan to investigate the potential occurrence of asbestos in soil at the referenced site. Alameda County Health Care Services Agency (Alameda County) requested the investigation as a follow-up on the detection of asbestos in a soil sample collected in August 2012.

BACKGROUND

Three soil borings were advanced in the area of the former underground storage tank (UST), wash rack clarifier and truck rack at the site. The aforementioned improvements were associated with the former National Guard Armory located at the site. Soil samples from 5 feet below ground surface (bgs) and 10 feet bgs were collected; asbestos fibers (chrysotile predominantly) were detected at 0.0013 percent by weight in a sample collected from 0.5 feet bgs in the area of the former armory building. The result was above the investigation threshold for schools set by Department of Toxic Substances Control (DTSC) for chrysotile and actinolite fibers of 0.001 percent.

Alameda County consulted with the DTSC regarding detection of asbestos at the site. To gain approval for no further action, the DTSC indicated the following conditions should be met.

- All transmission electron microscopy (TEM) results are less than 0.1 percent by weight.
- No more than 25 percent of the TEM results are reported above 0.01 percent by weight.

Soil sampling and analysis will be completed to address Alameda County's concern and verify the detection of asbestos at the site.

WORK SCOPE

To address Alameda County's request for a soil investigation focused on asbestos, Equologic proposes to collect soil samples from five pits dug at locations distributed over that portion of the former armory building footprint that is still undeveloped. Approximate locations are shown on Figure 2. Pit depths will be

approximately 18 inches bgs. Soil samples will be collected from the sidewalls at between 2 inches bgs and 6 inches bgs, and from the bottom of each pit. Two soil samples from each pit will be retained for analysis; one sample will consist of a composite sample made up from sidewall samples and one sample will come from the bottom of the pit. Sidewall samples will be composited in the field using proportional volumes estimated via observation during sampling.

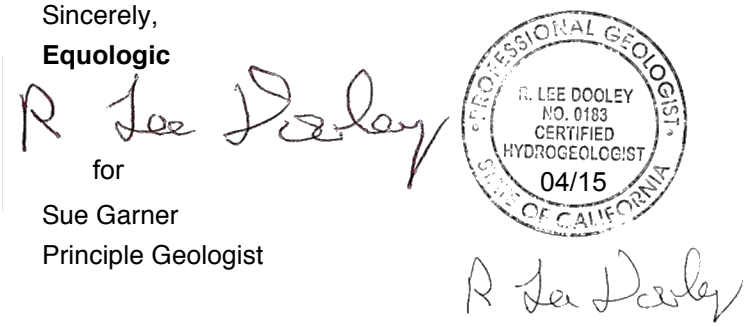
Soil samples will be collected using disposable trowels and placed in one-quart plastic jars. Sample jars containing soil will be labeled, individually placed in zip-lock plastic bags, and transported to a California State-certified laboratory under chain-of-custody documentation. All samples will be analyzed using California Air Resources Board (CARB) Method 435 with TEM as described in U.S. Environmental Protection Agency EPA/600/R-93/116 TEM. An Equologic geologist will collect the soil samples, document the fieldwork, log the pits, and submit samples for analysis. The analytical results will be provided in a report that presents and interprets the data.

PERJURY STATEMENT

I declare under penalty of perjury that the information and/or recommendations contained in this document are true and correct to the best of my knowledge.

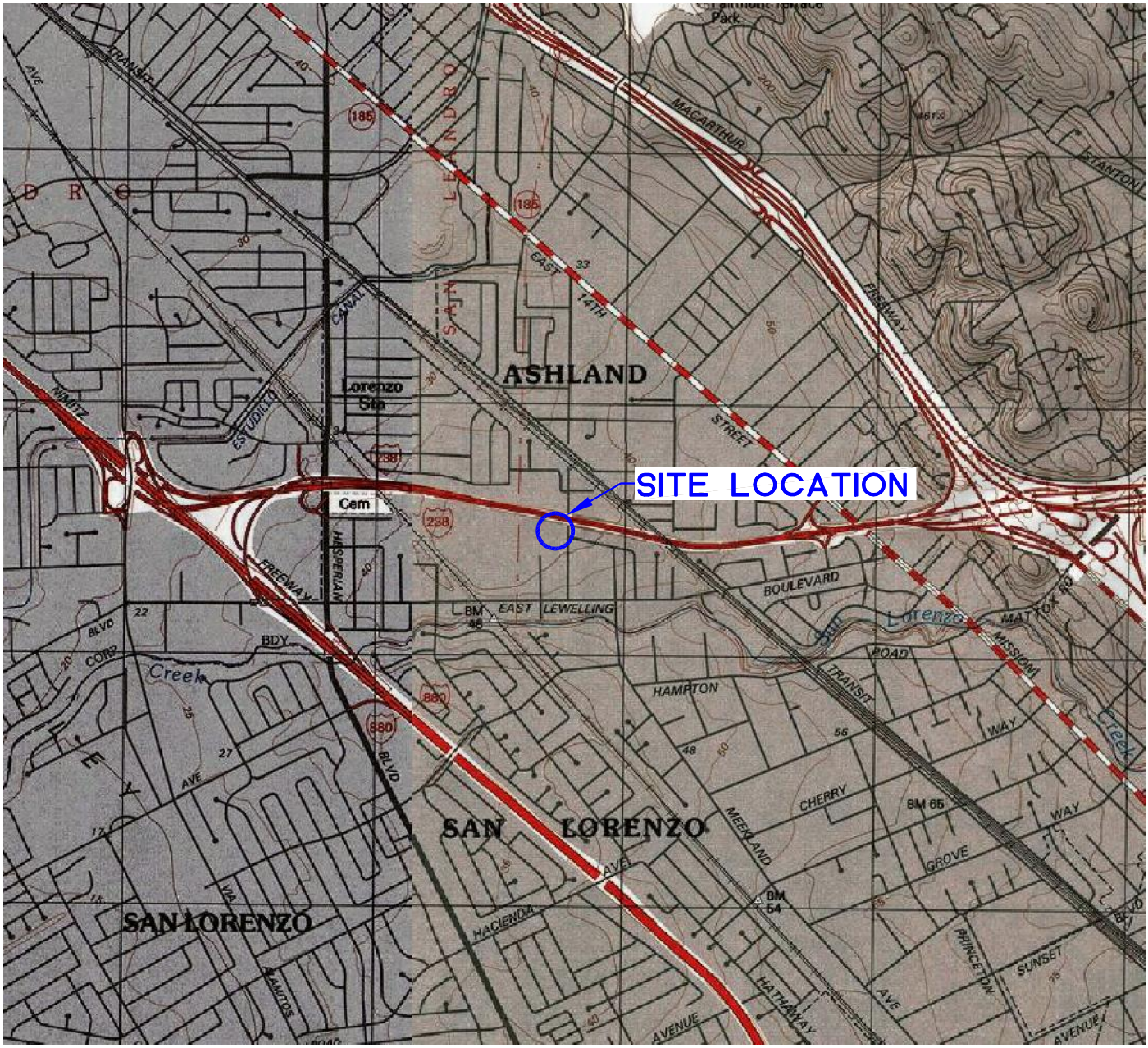
Please call at (408) 679-7166 or write to sgarner@equologicgroup.com with question or comments.

Sincerely,
Equologic



for
Sue Garner
Principle Geologist

Attachments
Figure 1 Site Location Map
Figure 2 Site Map



QUADRANGLE LOCATION

N

SCALE IN FEET

0 2,000

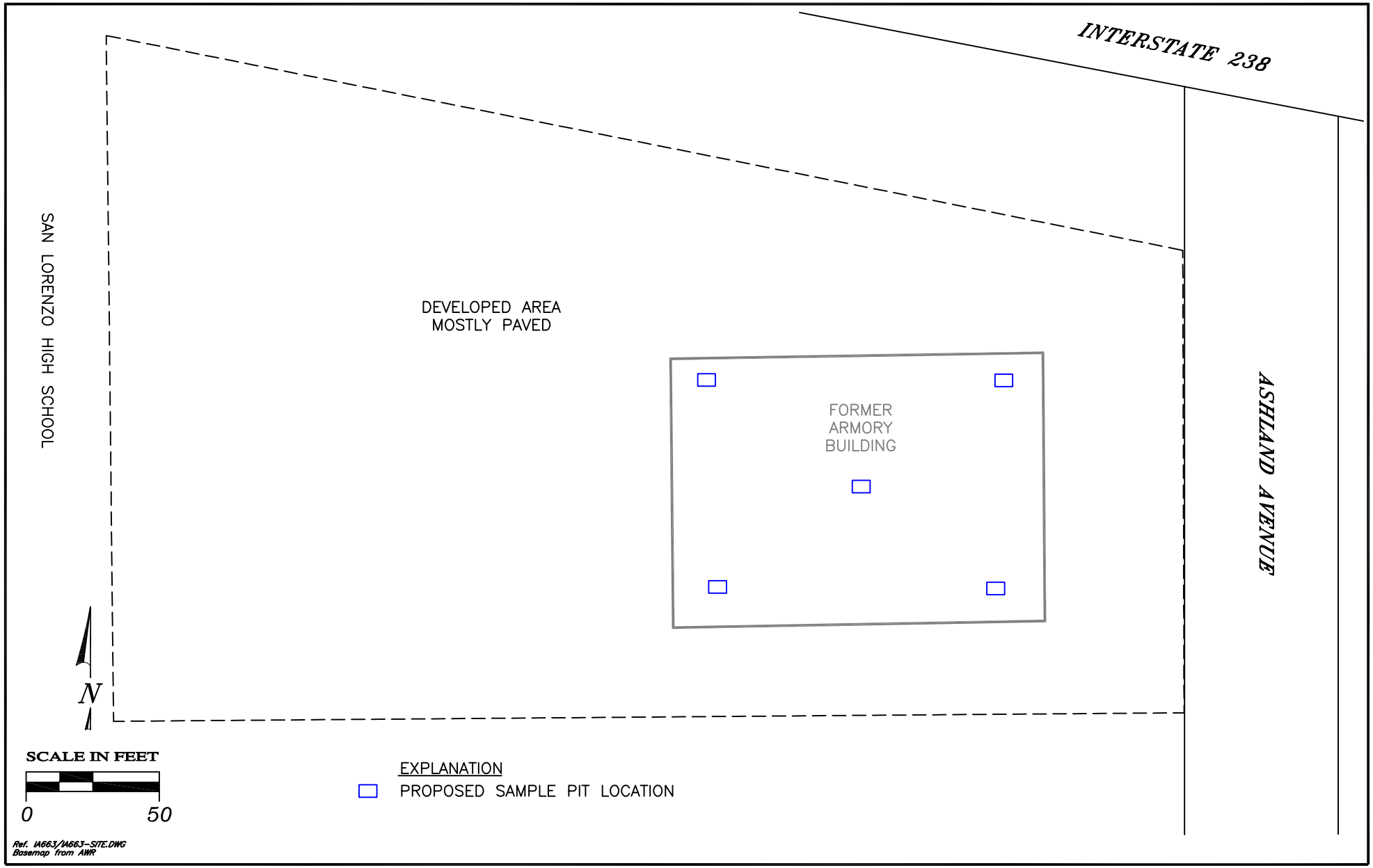
Ref. IA663/IA663-SLM.DWG
Base Map from TOPO!© NGH

EquoLogic

SITE LOCATION MAP

SAN LORENZO ARMORY
16501 Ashland Avenue
San Lorenzo, California

FIGURE:
1
PROJECT:
IA663



EquoLogic

PROPOSED SAMPLE PIT LOCATIONS

SAN LORENZO ARMORY
16501 Ashland Avenue
San Lorenzo, California

FIGURE:
2
PROJECT:
IA663