

June 30, 1995

Mr. Rod Freitag
Environmental Manager
County of Alameda
General Services Agency
1401 Lakeside Drive
Oakland, California 94612

Subject: Groundwater Monitoring Abandonment Report for
Former Underground Storage Tank #9 at the
Santa Rita Property, Santa Rita, California
Versar Project Number 2241-019

Dear Mr. Freitag:

Pursuant to your request, Versar, Inc. (Versar) has prepared this report to document abandonment of one groundwater monitoring well at the former underground storage tank (UST) #9 site located in Santa Rita, California (site). Groundwater monitoring well abandonment has been performed to finalize site closure for the former UST. The site location and layout are shown in Figures 1 and 2, respectively.

On June 22, 1995, Versar retained Westex Drilling Company (C57-552198) to overdrill and grout the groundwater monitoring well located at the site. Prior to the well abandonment, Versar obtained a drilling permit (95369) for the destruction of the well from the Alameda County Flood Control and Water Conservation District, Zone 7. A copy of this permit is included as Attachment A.

Using 10-inch diameter hollow stem augers, Westex drilled to the total depth of the groundwater monitoring well at 35 feet below ground surface. During the drilling, approximately 18 cubic feet of grout, sand, and soil were removed, as well as 35 feet of 4-inch diameter PVC well material. The boring was then grouted through the auger to the surface with a cement grout containing 3 to 5 percent bentonite. Grout, sand, and soil generated during the well abandonment was spread on the ground surface at the site. The inert waste products including the well monument and the PVC casing, were hauled offsite for disposal.

Versar INC.

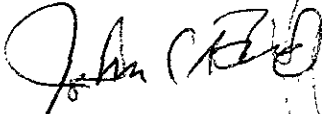
Letter to Mr. Freitag

June 30, 1995

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Versar appreciates the opportunity to provide our technical services to the Alameda County General Services Agency. If you have any questions or require additional information regarding this submittal, please call me at (510) 814-5929.

Sincerely,

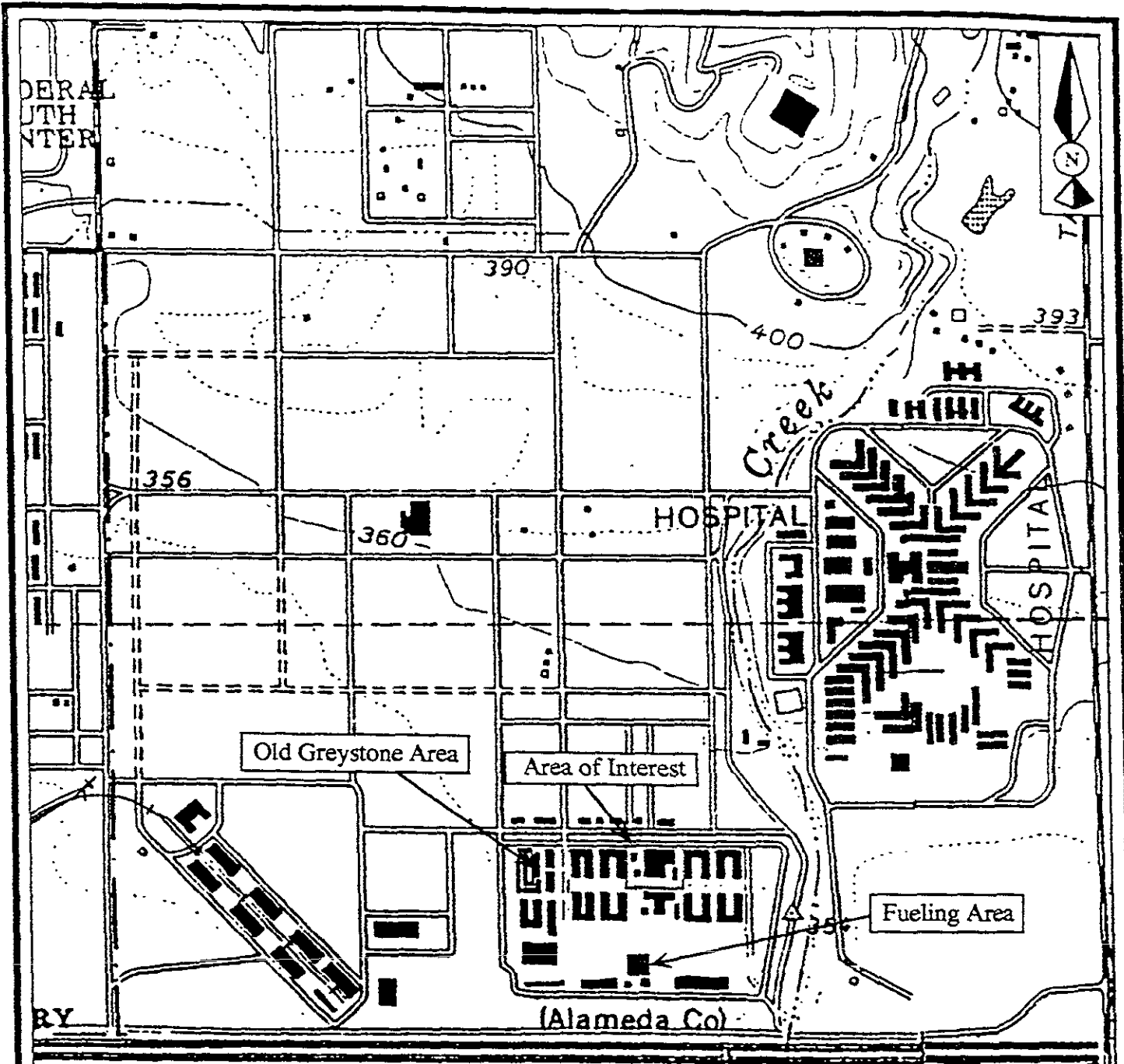


John C. Bird, R.E.A.
Project Geologist



Enclosure
Attachment A

cc: Chris Mayfield, ACFCWCD, Zone 7



Old Greystone Area

Area of Interest

Fueling Area

(Alameda Co)

580

Legend

■ Excavated Tank Site

Adapted from USGS Topographic Maps, Livermore and Dublin Quads, California

Not to Scale

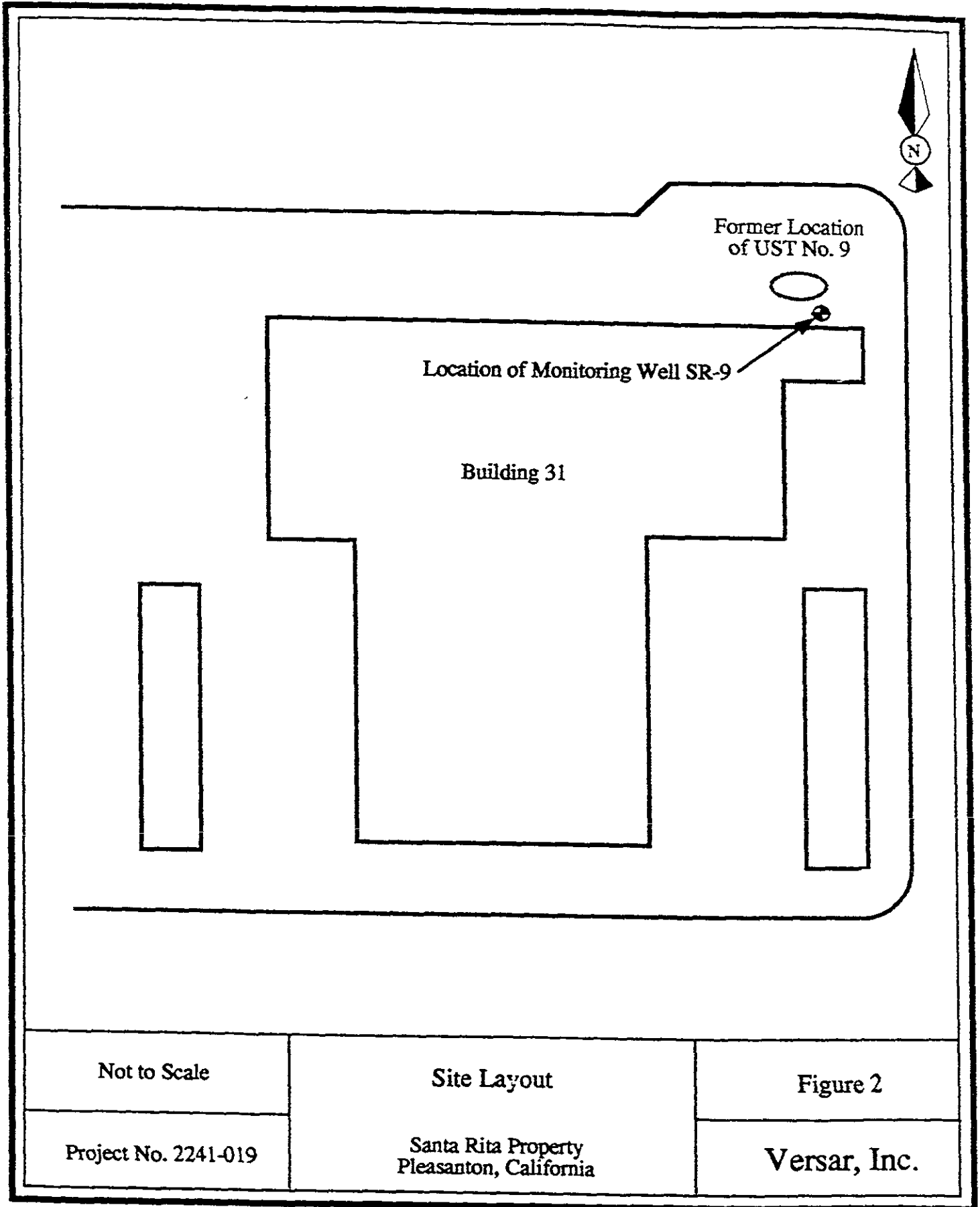
Site Plan

Figure 1

Project No. 2241-019

Santa Rita Property
Pleasanton, California

Versar, Inc.



Not to Scale

Site Layout

Figure 2

Project No. 2241-019

Santa Rita Property
Pleasanton, California

Versar, Inc.



Attachment A



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588-5127

PHONE (510) 484-2600 FAX (510) 462-3914

14 June 1995

RECEIVED
JUN 15 1995

Versar, Inc.
1255 Harbor Bay Parkway
Alameda, CA 94502

Gentlemen:

Enclosed is drilling permit 95369 for the destruction of well 3S/1E 5H2 at Interstate 580 and Tassajara Road in Dublin for the County of Alameda.

Please note that permit condition A-2 requires that a well destruction report be submitted after completion of the work. The report should include a description of methods and materials used to destroy the well, location sketch, date of destruction and permit number. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact Wyman Hong at extension 235 or me at extension 233.

Very truly yours,

Craig A. Mayfield
Water Resources Engineer III

WH:mm
Enc.



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588

RECEIVED
JUN 15 1995
VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION, OF PROJECT Santa Rita Correctional Facility
0.5 north of Tassajara Rd
WEST

PERMIT NUMBER 95369
LOCATION NUMBER 3S/1E 5H2

CLIENT
Name West County of Alameda
Address 140 Lakeside Dr. Voice (510) 208 9520
City Oakland CA Zip 94612

FAX 208-9530
PERMIT CONDITIONS
Circled Permit Requirements Apply

APPLICANT
Name Versar Inc
Terry Kinn Fax (510) 84 5901
Address 1255 Harbor Bay Pkwy Voice (510) 814-5900
City Alameda Zip 94502

A. GENERAL

TYPE OF PROJECT
Well Construction _____ Geotechnical Investigation _____
Cathodic Protection _____ General _____
Water Supply _____ Contamination _____
Monitoring _____ Well Destruction

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

PROPOSED WATER SUPPLY WELL USE
Domestic _____ Industrial _____ Other _____
Municipal _____ Irrigation _____

B. WATER WELLS, INCLUDING PIEZOMETERS

DRILLING METHOD:
Aud Rotary _____ Air Rotary _____ Auger
Cable _____ Other _____

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

DRILLER'S LICENSE NO. C57 952198

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

WELL PROJECTS
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter 4 in. Depth 35 ft.
Surface Seal Depth _____ ft. Number _____

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum _____
Hole Diameter _____ in. Depth _____ ft.

E. WELL DESTRUCTION. See attached.

ESTIMATED STARTING DATE 6/21/95
ESTIMATED COMPLETION DATE 6/22/95

Approved Wyman Hong Date 13 Jun 95
Wyman Hong

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Terry Kinn Date 6/8/95