

October 16, 1998

98 OCT 19 PM 4:56
SUPERINTENDENT
PROTECTION

Mr. Scott Seery
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

RE: Well Destruction at 11727 Main Street, Sunol, California

Dear Mr. Seery:

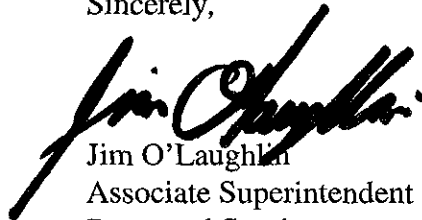
Enclosed please find the project report from Environmental BioSystems, Inc. for the well destruction at 11727 Main Street. I have delayed sending this report hoping that I would have the pile of dirt removed from the site at the time that I submitted this report. I think removing the dirt is the last item that needs to be completed. I have had difficulty arranging for that and have not had time recently to pursue it.

The enclosed report covers the closing of two of the three wells at the site. The third is going to be maintained for irrigating the small orchard on the back piece of the site. Environmental BioSystems did test the water and found that it was good for this purpose. As soon as I arrange for removing the pile of dirt, I will provide the appropriate documentation to you in the hope that this will be the last item necessary to complete to bring about closure at this site.

If I can provide any additional information at this time, please contact me at 925.862.2550. I would like to thank you for your assistance in dealing with the matter over the past years.

Sincerely,

(510) 471-1100 x2106


Jim O'Laughlin
Associate Superintendent
Personnel Services

JOL:ve
HAUSERSVOLAUGHLASEERYLTR.WPD



ENVIRONMENTAL BIO-SYSTEMS, INC.

Innovative Solutions for a Better Environment

Cont. Lic # 687236

4 September ~~1997~~

1998

Mr. Jim O'Laughlin
P.O. Box 400
Sunol, CA 94586

**RE: EBS Project #083-466B, Well Destruction at 11727 Main Street, Sunol,
California**

Dear Mr. O'Laughlin:

Environmental Bio-Systems, Inc. (EBS) provides this documentation of the destruction of ground water monitoring wells MW1 and MW2 at 11727 Main Street in Sunol, California (Figure 1 in Attachment A). Field procedures are described in the following section.

PROCEDURES

Prior to the commencement of field work, EBS procured Alameda County Zone 7 Water Agency (Zone 7) well destruction permit #97446 (Attachment 2).

On 26 August 1997 EBS oversaw the destruction of the wells by Bayland Drilling, Inc. of Menlo Park, California (C57 license #374152). The wells were destroyed using the following methodologies:

1. Injection and discharge hoses were placed into each well and secured in place by a tightly fitting slip cap.

Cement grout was then pumped through the injection hose, forcing grout into the bottom of each well. Ground water was displaced upwards, and eventually reached the surface. Upon reaching the surface, ground water was forced through the discharge hose. When the discharged water was noted to be replaced by a cement effluent, the discharge hose was crimped and secured with duct tape to prohibit further discharge. An approximate pressure of 50 pounds per square inch was then maintained

4 September 1997

Mr. Jim O'Laughlin
Monitoring Well Destruction
11727 Main St., Sunol, California

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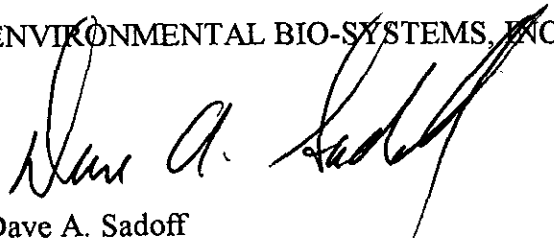
on the grout filled well for five minutes. Injection and discharge fittings were subsequently removed from the well head, and the grout was allowed to set.

2. The well box was then removed. The resultant void was filled with concrete.

The methodologies followed during the course of the well destruction met or exceeded Zone 7 minimum requirements, as well as DWR regulations contained in Bulletins 74-81 and 74-90.

Sincerely,

ENVIRONMENTAL BIO-SYSTEMS, INC.



Dave A. Sadoff
Project Geologist, R.G., R.E.A.

DAS/
encl.

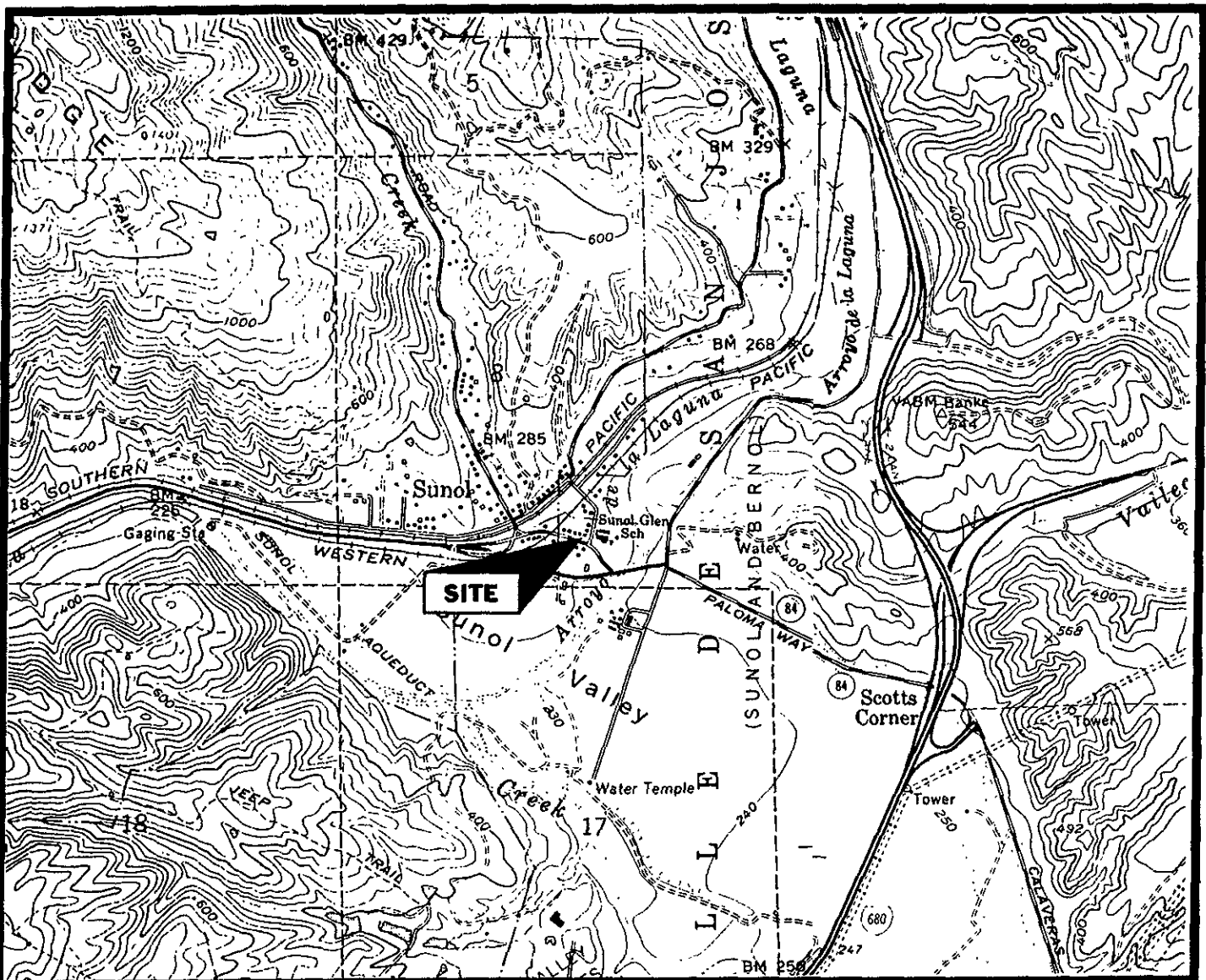
4 September 1997

Mr. Jim O'Laughlin
Monitoring Well Destruction
11727 Main St., Sunol, California

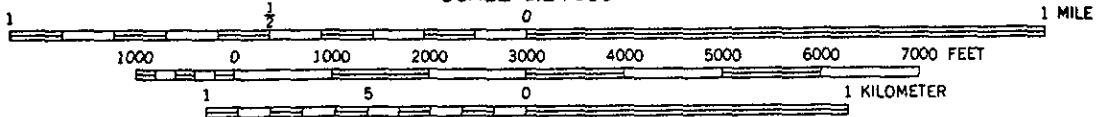
Attachment A

ATTACHMENT A

FIGURES



SCALE 1:24 000



QUADRANGLE LOCATION

CONTOUR INTERVAL 40 FEET
 DOTTED LINES REPRESENT 10-FOOT CONTOURS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929



Source: USGS La Costa Valley and Niles 7.5 Minute Quadrangles



ENVIRONMENTAL
 BIO-SYSTEMS, INC.

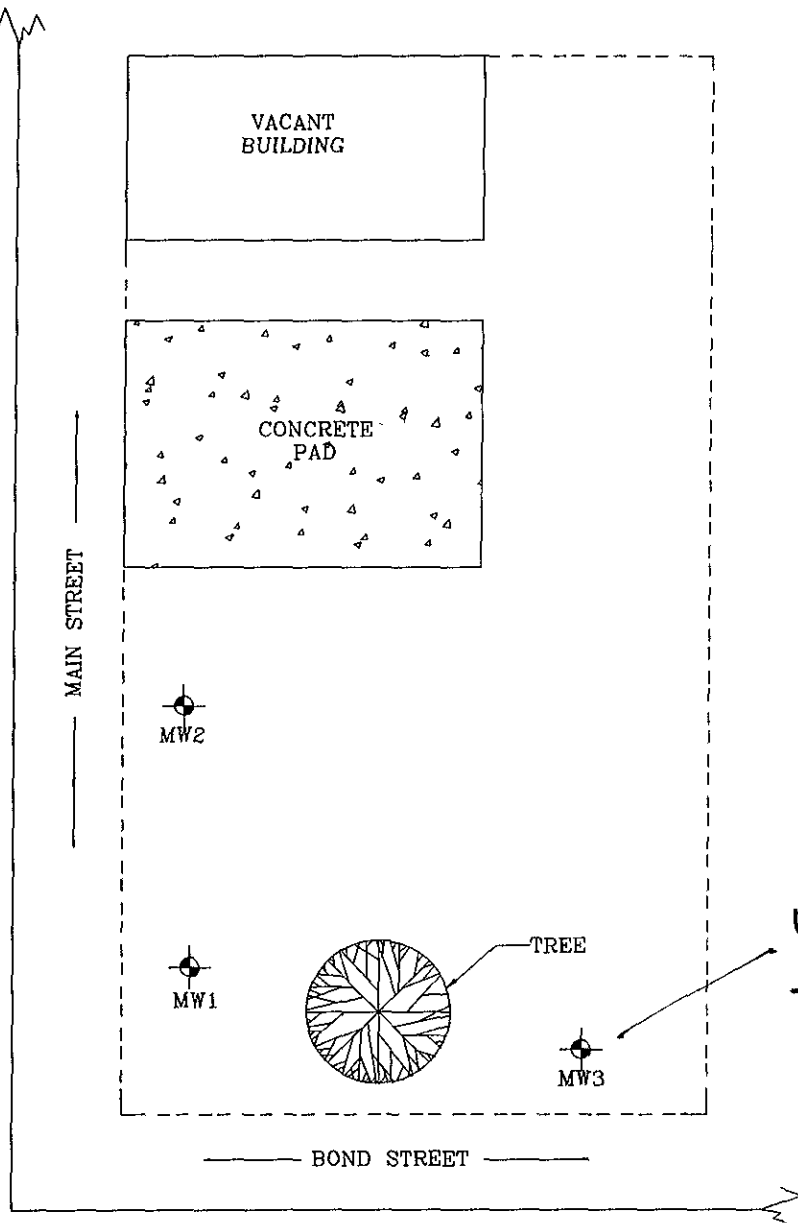
DATE:
 9/4/97

DRAWN BY:
 BJN

SCALE:
 1" = 2,000'

FIGURE 1:
 SITE LOCATION MAP

FORMER CHEVRON STATION
 11727 MAIN STREET
 SUNOL, CALIFORNIA



well retained for irrigation

LEGEND

 MW3	GROUND WATER MONITORING WELL		FENCE, SITE BOUNDARY
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ENVIRONMENTAL
BIO-SYSTEMS, INC.

DATE:
9/4/97

DRAWN BY:
DAS

SCALE:
1" = 30'

FIGURE 2:
SITE MAP

FORMER CHEVRON STATION
11727 MAIN STREET
SUNOL, CALIFORNIA

4 September 1997

Mr. Jim O'Laughlin
Monitoring Well Destruction
11727 Main St., Sunol, California

Attachment B

ATTACHMENT B
ZONE 7 WELL DESTRUCTION PERMIT



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588-5127

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

22 August 1997

RECEIVED AUG 25 1997

Mr. Dave Sadoff
Environmental Bio-Systems, Inc.
30997 Huntwood Avenue, Suite 106
Hayward, CA 94544

Dear Mr. Sadoff:

Enclosed is drilling permit 97446 for the destruction of wells 4S/1E 8Q1 and 8Q3 at 11727 Main Street in Sunol for Jim O'Laughlin.

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 240.

Very truly yours,

A handwritten signature in cursive script that reads "Wyman Hong for".

Craig A. Mayfield
Water Resources Engineer III

CAM:WH:arr
Enc.



ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600

FAX (510) 482-3014

DRILLING PERMIT APPLICATION

RECEIVED AUG 25 1997

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 11727 Main Street
Sunol, California 94586

PERMIT NUMBER 97446
LOCATION NUMBER 4S/1E 801 and 803

CLIENT
Name Jim O'Laughlin
Address P.O. Box 400 Voice 510-471-1100 X2106
City Sunol, California Zip 94586

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name Environmental Bio-Systems, Inc.
Attn: Dave Sadoff Fax 510-429-9189
Address 30997 Huntwood Voice 510-429-9988
City Hayward, California Zip 94544

A. GENERAL

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.

B. WATER WELLS, INCLUDING PIEZOMETERS

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.

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.

D. CATHODIC

Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION

See attached.

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

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

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

DRILLER'S LICENSE NO. 374152

WELL PROJECTS
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter 2 in. Depth 65 ft.
Surface Seal Depth _____ ft. Number 2

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

ESTIMATED STARTING DATE 08/26/97
ESTIMATED COMPLETION DATE 08/26/97

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

Approved Wyman Hong Date 19 Aug 97
Wyman Hong

APPLICANT'S SIGNATURE Dave Sadoff Date _____

August 19, 1997

Zone 7
Water Resources Engineering
Groundwater Protection Ordinance

Jim O'Laughlin
11727 Main Street
Sunol
Wells 4S/1E 8Q1 and 8Q3
Permit 97446

Destruction Requirements:

1. Clean out all bridged or poorly compacted materials to the bottom of the well.
2. Pressure grout the casing to two feet below the finished grade or original ground, whichever is the lower elevation.
3. Remove the casing, seal, and gravel pack to two feet below the finished grade or original ground, whichever is the lower elevation.
4. After the seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Dave Sadoff of Environmental Bio-Systems meet or exceed Zone 7 minimum requirements.