



Ocean Blue Engineers, Inc.

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LOS ANGELES REGION
OBE REF:1134.96.04-11
File No. I-13216

November 6, 1996

Santa Monica-Mailbu Unified School District
1651 16th Street
Santa Monica, CA 90404

UST UNIT Case closed 9/11/96
RECEIVED
CASE # I-13216
DATE 11/15/96
STAFF

Attention: Mr. Wallace Berriman

SUBJECT: DESTRUCTION OF FOUR GROUNDWATER MONITORING WELLS AT MALIBU PARK SCHOOL LOCATED AT 30215 MORNING VIEW DRIVE, MALIBU, CALIFORNIA

Dear Mr. Berriman:

Enclosed is the report of the destruction of four groundwater monitoring wells at the above referenced property.

If you have any questions or require further information, please call us at (310) 473-5911.

Sincerely

OCEAN BLUE ENGINEERS, INC.

Jahan Nazarian - Ph.D., R.E.A.
Project Manager

**DESTRUCTION OF FOUR GROUNDWATER MONITORING WELLS AT
MALIBU PARK SCHOOL LOCATE AT
30215 MORNING VIEW DRIVE, MALIBU, CALIFORNIA**

FOR:

**SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
1651 16TH STREET
SANTA MONICA, CALIFORNIA**

BY:

**OCEAN BLUE ENGINEERS, INC.
1427 S. SALTAIR AVENUE, SUITE 101
LOS ANGELES, CA 90025**

NOVEMBER 6, 1996

1427 S. Saltair Avenue, Suite 101
Los Angeles, California 90025
TEL: (310) 473-5911
FAX: (310) 473-9110



**Ocean Blue
Engineers, Inc.**

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**DESTRUCTION OF FOUR GROUNDWATER MONITORING WELLS AT
MALIBU PARK SCHOOL LOCATE AT
30215 MORNING VIEW DRIVE, MALIBU, CALIFORNIA**

1. INTRODUCTION

Ocean Blue Engineers, Inc. (OBE) has been retained by Santa Monica-Malibu Unified School District to destroy four groundwater monitoring wells at the above referenced property. Figure 1 enclosed in Appendix A presents the approximate location of the monitoring wells at the property. The destruction of the monitoring wells was requested in a letter by the California Regional Water Quality Control Board (CRWQCB) to Santa Monica-Malibu Unified School District (1).

2. OBJECTIVES

The objectives of the well destruction was to eliminate the well structure and borehole as a possible means for the preferential migration of poor quality water and contaminants, and to prevent possible hazard to humans and animals.

3. PERMIT

The monitoring wells destruction was performed under permit from the County of Los Angeles Department of Health. A copy of the signed permit is enclosed in Appendix B.

4. GROUNDWATER DEPTH

On October 25, 1996, the groundwater depth at the site was measured electronically by a Solinst Model 101 Water sensor prior to the destruction of the wells. The depth of the groundwater and the total depths of the wells were measured to the top of the casings. No obstructions were encountered in the wells. Table 1 presents the well depth data.

Table 1 - Well Depth Data

Well Number	Water Depth (Feet)	Total Well Depth (Feet)
1	41.12	48.19
2	42.21	50.15
3	42.04	48.52
4	Dry	40.00

5. WELL DESTRUCTION PROCEDURES

On October 25, 1996, a drilling rig equipped with a positive displacement pump was employed to pressure grout the monitoring wells. The well destruction procedures for each well are as follows:

The well cover and cap were removed and the water depth and the total depth of the well was measured. The well was plugged at the top of the casing by a rubber tube equipped with a flange that tightly fitted the inner casing wall. The rubber tube was connected to the pump. Then the sealing slurry material that consisted of bentonite powder (hydro gel) and Portland cement was mixed on-site and pumped into the well. The operator ascertained that the well was appropriately grouted under pressure to the top. Subsequently, the top five feet of the casing was destructed by the hollow stem augering procedure. The cavity that was created by this action was backfilled with a concrete slurry to the surface.

6. WASTE MANAGEMENT

The well materials removed during the field activities was placed in a 55 gallon Department of Transportation (DOT) approved drum.

7. SUMMARY

This report has presented the procedures for the destruction of four groundwater monitoring wells at Malibu Park School located at 30215 Morning View Drive, Malibu, California.

If you have any questions or require additional information, please call us at (310) 473-5911.

Sincerely

OCEAN BLUE ENGINEERS, Inc.

A handwritten signature in black ink, appearing to read 'Jahan Nazarian', written over a horizontal line.

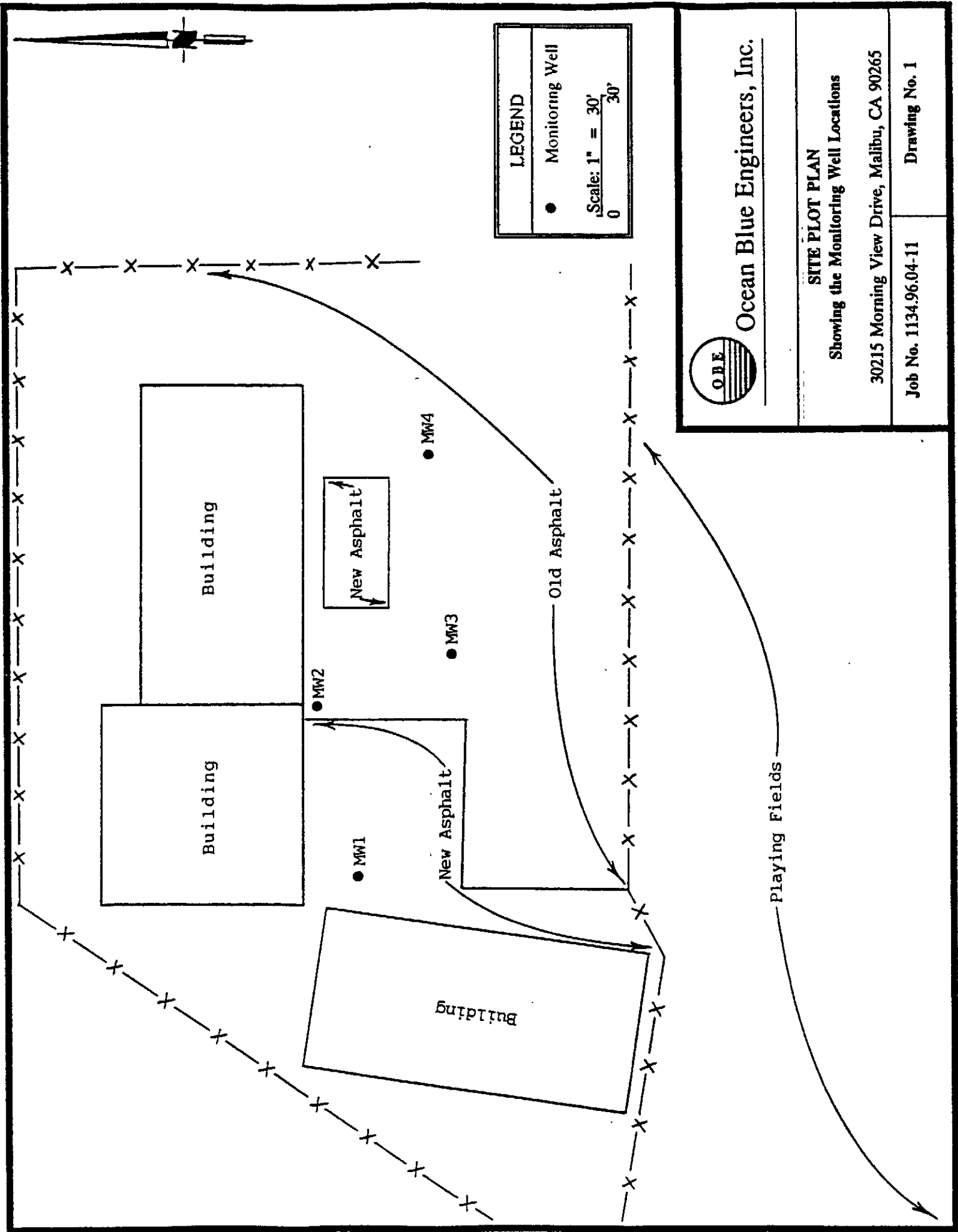
Jahan Nazarian - Ph.D., R.E.A.
Project Manager

8. REFERENCES

1. Letter by the California Regional Water Quality Control Board, September 11, 1996.

APPENDIX A

Figures



LEGEND	
●	Monitoring Well
Scale: 1" = 30'	
0	30'



Ocean Blue Engineers, Inc.

SITE PLOT PLAN

Showing the Monitoring Well Locations

30215 Morning View Drive, Malibu, CA 90265

Job No. 1134.96.04-11

Drawing No. 1

APPENDIX B

Signed County of Los Angeles Well Destruction Permit

APPLICATION FOR WELL PERMIT
ENVIRONMENTAL HEALTH 2525 Corporate Place Monterey Park, Ca 91754
COUNTY OF LOS ANGELES DEPARTMENT OF HEALTH SERVICES

DATE October 16, 1996

DESCRIPTION

TYPE OF PERMIT (CHECK)
 NEW WELL CONSTRUCTION
 RECONSTRUCTION OR RENOVATION
 DESTRUCTION MW-1, MW-2; MW-3, MW-4

TYPE OF WELL
 PRIVATE DOMESTIC
 PUBLIC DOMESTIC
 IRRIGATION
 OBSERVATION/MONITORING
 CATHODIC
 INDUSTRIAL
 GRAVEL PACK
 TEST

TYPE OF CASING
PVC

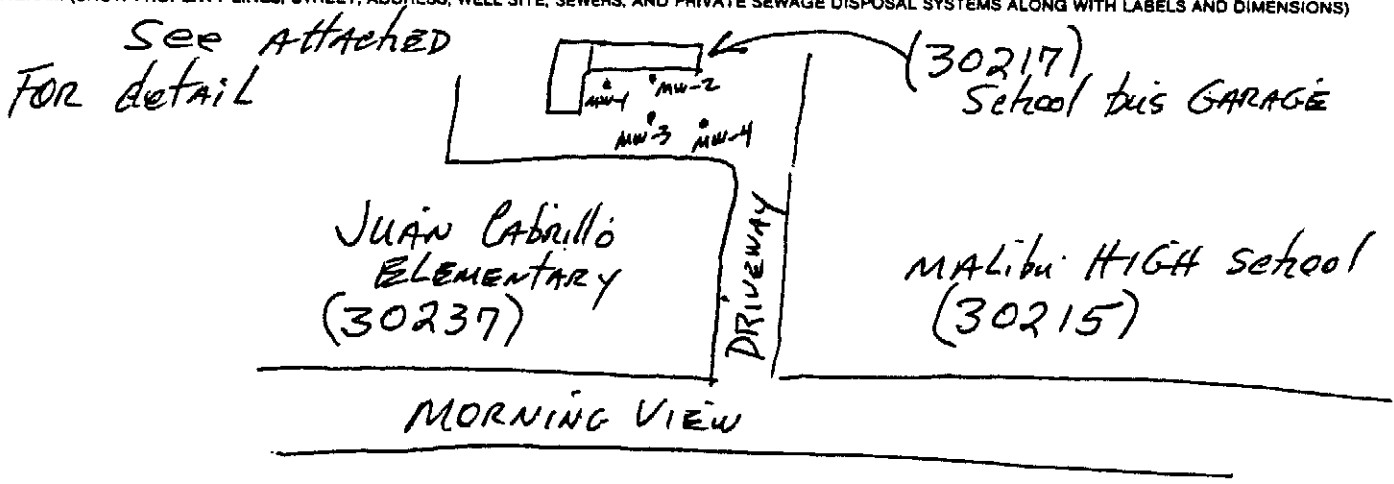
METHOD OF SEALING OF CASING
~~CEMENT~~

METHOD OF DESTRUCTION
BORING out top 5 Feet - pressure Grout - Back Fill 5' to surface

LOCATION

ADDRESS (NUMBER, STREET, AND NEAREST INTERSECTION)
30217 MORNING VIEW DR. MALIBU, Ca. 90265 CITY MALIBU

DIAGRAM (SHOW PROPERTY LINES, STREET, ADDRESS, WELL SITE, SEWERS, AND PRIVATE SEWAGE DISPOSAL SYSTEMS ALONG WITH LABELS AND DIMENSIONS)



APPLICANT

NAME OF WELL DRILLER (PRINT)
ABC Livin Drilling

TRADE NAME
ABC Livin Drilling

BUSINESS ADDRESS CITY

NAME OF WELL OWNER (PRINT)
Santa Monica-Malibu Unified School Distn

MAILING ADDRESS
14275. SALT AIR AVE, SUITE 101

CITY
LOS ANGELES, CA 90025

I hereby agree to comply in every respect with all regulations of the County Preventive/Public Health Services and with all ordinances and laws of the County of Los Angeles and of the State of California pertaining to well construction, reconstruction and destruction. Upon completion of well and within ten days thereafter, I will furnish the County Preventive/Public Health Services with a complete log of the well, giving date drilled, depth of well, all perforations in casing, and any other data deemed necessary by such County Preventive/Public Health Services.

DISPOSITION OF APPLICATION: (For Sanitarians Use Only)

APPROVED DENIED
 APPROVED WITH CONDITIONS
 If denied or approved with conditions, report reason or conditions here:

Applicant's Signature

DATE 11-4-96

SANITARIAN

 SECTION CHIEF

**SERVICE APPLICATION AND FEE COLLECTION
 COUNTY OF LOS ANGELES - DEPARTMENT OF HEALTH SERVICES
 PUBLIC HEALTH PROGRAMS - ENVIRONMENTAL HEALTH
SERVICE REQUEST APPLICATION**

INSTRUCTIONS

1. Check the TYPE OF SERVICE requested and attach the required non-refundable fee to the application. Make money order or check payable to LOS ANGELES COUNTY TREASURER, DO NOT SEND CASH. This application is nontransferable.

(4) <u>FEE REQUIRED*</u> <u>\$ 532.00</u>	<u>TYPE OF SERVICE</u> <input checked="" type="checkbox"/> <u>MONITORING WELL CONSTRUCTION/DESTRUCTION</u> <input type="checkbox"/> <u>WELL CONSTRUCTION, RENOVATION OR DESTRUCTION PERMIT</u> Complete and attach a Well Permit Application <input type="checkbox"/> <u>PRIVATE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT</u> <input type="checkbox"/> <u>PRIVATE SEWAGE DISPOSAL SYSTEM RENOVATION/EXPANSION</u> <input type="checkbox"/> <u>INSPECTION OF MOUNTAIN CABIN SITE</u> as required by the United States Forest Service <input type="checkbox"/> <u>INSPECTION OF EXISTING PRIVATE SEWAGE SYSTEM</u> as required by FHAVA <input type="checkbox"/> <u>WATER SUPPLY TEST AND CERTIFICATION</u> as required by U.S. Department of Agriculture
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2. Check with Contact Office stamped below for requirements or information.
 3. Complete the required information or deliver the completed application, money order or check with the forms indicated.

to: County of Los Angeles
 Department of Health Services
 Public Health Programs
 Environmental Health
 2525 Corporate Place
 Monterey Park, Ca 91754
 (213) 881-4147

* Refer to Schedule of Fees
 for current fiscal year.

NOTE: FIELD PERSONNEL CANNOT ACCEPT FEES.

4. Phone Contact Office noted below, after you have received your receipt, to request an inspection.

30215 Morning View Drive, Malibu, CA 90265
 Service/Job Location Address Date

Santa Monica Malibu Unified School District, 1651 16th Street, Santa Monica, CA 90404
 Owner/Applicant's Name Address Phone No. (310) 450-8338

Ocean Blue Engineers, Inc., 1427 S. Palmdale Ave #101, L.A., CA 90025
 Contractor's Name Address Phone No. (310) 473-5911

Co. Engineer Plan Check No. _____ Tract No. _____ Lot No. _____ No. Bedrooms _____
 (Complete line above for Private Sewage Disposal System Construction or Renovation Application)

CONTACT OFFICE

DEPARTMENT STAMP

October 16, 1996 / CK 1890 / Rcp. 549837

FEE PAID