



Subsurface Consultants, Inc.

R. William Rudoiph, P E
President

August 5, 1997
SCI 955.002

Mr. Andreas Godfrey
Alameda County Public Works

Re: Well Destruction
Blazic Industrial Balancing
1016 West MacArthur Boulevard
Oakland, California

Dear Mr. Godfrey:


This letter transmits permits to abandon one groundwater monitoring well at 1016 West MacArthur Boulevard Oakland, California. The well was installed as part of a site investigation required by the Alameda County Health Care Services Agency (ACHCSA). The attached letter from Ms. Susan Hugo of the ACHCSA, dated July 23, 1997, stated that no further action was required at the site. Accordingly, Blazic Industrial balancing has requested that Subsurface Consultants, Inc. (SCI) coordinate the abandonment of the well.

As shown on the attached site plan, one monitoring well is situated in the western edge of the property. The test boring logs with well construction detail are attached for your review. SCI requests to abandon the monitoring well by pressure grouting methods. The well would be grouted by tremie, until the water was displaced and then grout will be applied at a minimum of 10 pounds per inch for a minimum of 10 minutes. The well head will be removed from the site and the hole will be filled with grout to grade. This method is in accord with the ACHCSA guidelines.

If you have any questions, please call.

Very truly yours,

Subsurface Consultants, Inc.


James R. Helge
Project Environmental Scientist

JRH:MM:

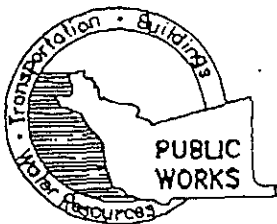
Mr. Andreas Godfrey
Alameda County Public Works
1016 West MacArthur Boulevard
July 31, 1997
Page 2

Subsurface Consultants, Inc.

Attachments: Permit Application
ACHCSA letter
Site Plan
Well Log

cc: Mr. Albert Blazic
Blazic industrial balancing

✓ Ms. Susan Hugo
Alameda County Health Care Services Agency



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-5575 ANDREAS GODFREY FAX (510) 670-5262
(510) 670-5248 ALVIN KAN

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 1016 West MacArthur BLVD.
Oakland, CA

California Coordinates Source Oakland west side ft. Accuracy \pm _____ ft.
CCN 41, 87 ft. CCE 5, 64 ft.
APN _____

CLIENT
Name Albert Blazic
Address 12 Altamont Drive Phone (510) 376-5206
City Orinda Zip 94563

APPLICANT
Name Jim Helge, Subsurface Consultants, Inc
Address 3736 Mt Diablo Blvd Ste 200 Phone (510) 299-7960
City Lathropette Zip 94547

TYPE OF PROJECT

Well Construction	<input type="checkbox"/>	Geotechnical Investigation	<input type="checkbox"/>
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

DRILLER'S LICENSE NO. 522125

WELL PROJECTS

Drill Hole Diameter	_____ in.	Maximum	_____ ft.
Casing Diameter	_____ in.	Depth	_____ ft.
Surface Seal Depth	_____ ft.	Number	_____

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/15/97
ESTIMATED COMPLETION DATE 8/22/97

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

APPLICANT'S SIGNATURE James Helge DATE 8/5/97

FOR OFFICE USE

PERMIT NUMBER _____
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA 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 SUPPLY WELLS

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.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL

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

E. CATHODIC

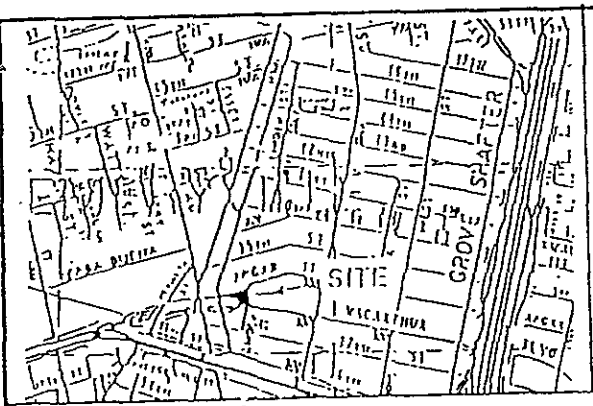
Fill hole above anode zone with concrete placed by tremie

F. WELL DESTRUCTION

See attached.

G. SPECIAL CONDITIONS

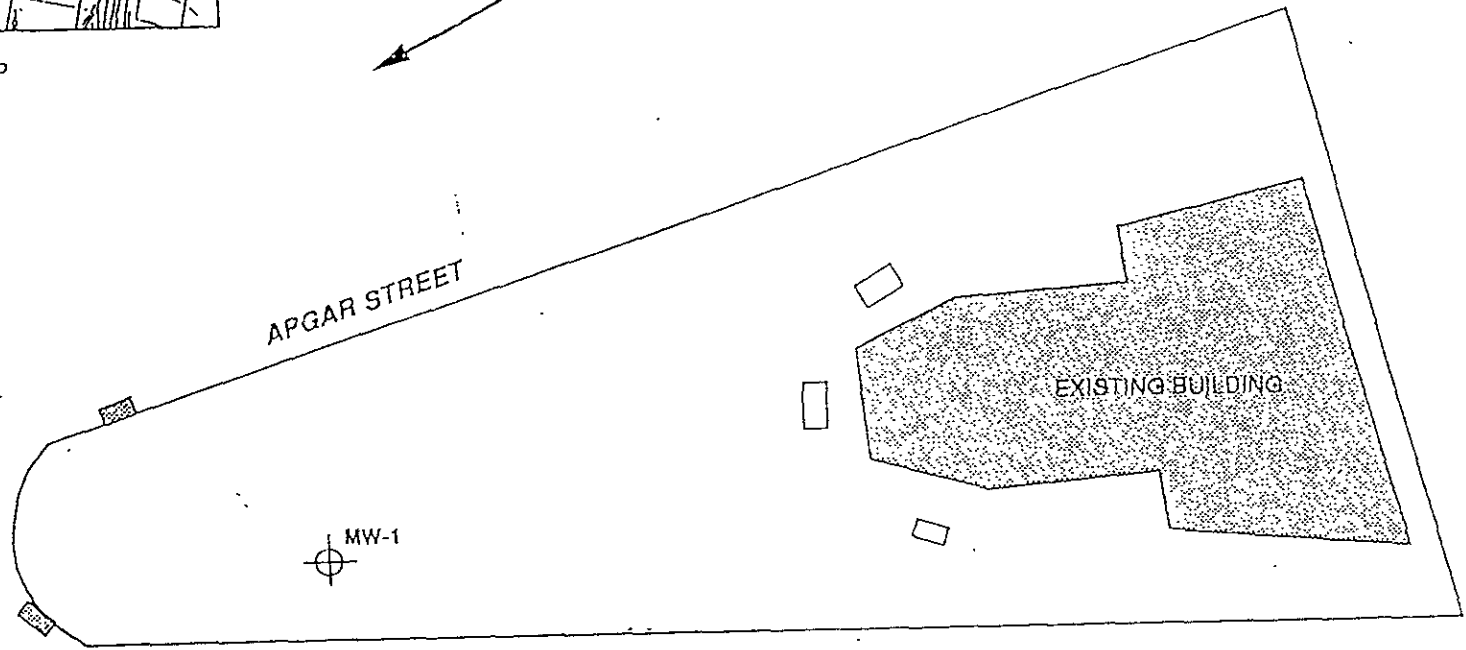
APPROVED _____ DATE _____



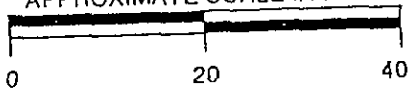
VICINITY MAP

	MONITORING WELL LOCATION
	FORMER TANK LOCATION
	STORM DRAIN

ESTIMATED DIRECTION OF GROUNDWATER FLOW



APPROXIMATE SCALE IN FEET



SITE PLAN

Subsurface Consultants

BLAZIC INDUSTRIAL BALANCING OAKLAND, CALIFORNIA		
JOB NUMBER 955.002	DATE 5/14/95	APPROVED

PLATE
1

LOG OF TEST BORING MW-1

EQUIPMENT 8-1" Dia. Hollow Stem Auger

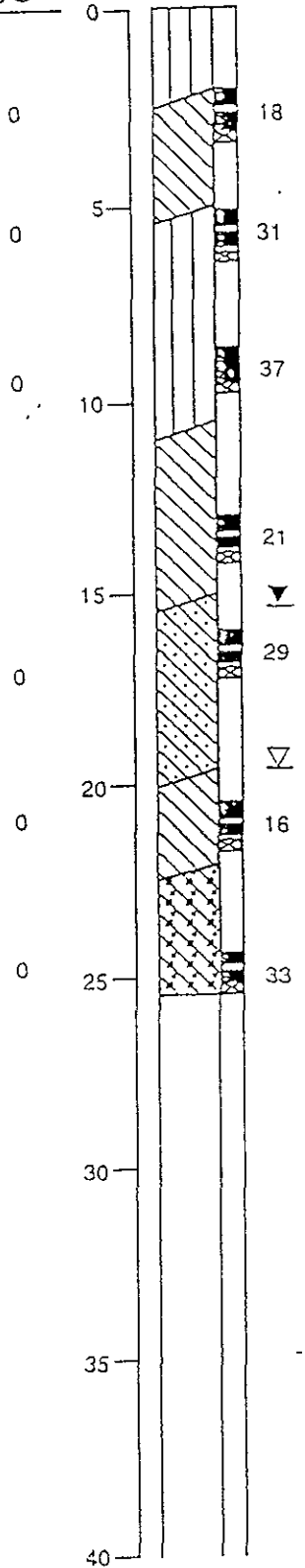
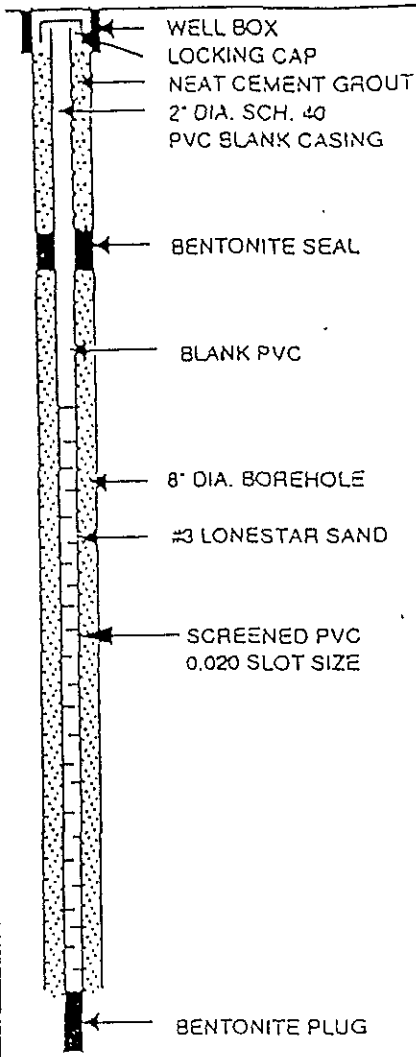
DATE DRILLED 6/18/96

ELEVATION -----

MOISTURE
CONTENT %
DRY
DENSITY
(pcf)
OVI
(ppm)

DEPTH
(feet)

SAMPLE
BLOWS
PER
FOOT



BLACK SANDY SILT (ML)
dry, stiff

OLIVE SILTY CLAY (CL)
moist, stiff

BROWN OLIVE CLAYEY SILT (ML)
very stiff, dry, with gravel to 1/4-inch
Lenses of sand and gravel to 1.5-inch

MOTTLED GREEN-BROWN SANDY CLAY (CL)
stiff, moist

GROUNDWATER LEVEL DURING WELL INSTALLATION

GREEN CLAYEY GRAVELLY SAND (SC)
wet, dense

GROUNDWATER LEVEL DURING DRILLING

BROWN SANDY CLAY (CL)
stiff, wet, with gravel to 1/2-inch

BROWN CLAYEY SANDY GRAVEL (GC)
dense, wet

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



July 23, 1997
STID# 4575

Mr. Albert Blazic
12 Altamount Drive
Orinda, California 94563

RE: Case Closure - Blazic Industrial Balancing
1016 West MacArthur Blvd., Oakland, California 94608

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Dear Mr. Blazic:

The Alameda County Department of Environmental Health, Environmental Protection Division has recently received concurrence from the Regional Water Quality Control Board regarding this office determination that no further action is required concerning the removal of three 550 gallon gasoline underground storage tanks (USTs) at the above referenced site.

Please be advised that the groundwater monitoring well (MW-1) at the site must be properly decommissioned before our agency will issue the "Remedial Action Completion Certification" (closure letter) for the subject site. A report must be submitted documenting the abandonment of the monitoring wells. Additionally, you will need to notify this office 72 hours in advance of the well abandonment field activities.

If you have any questions concerning this letter, please contact me at (510) 567-6780.

Sincerely,

Susan L. Hugo
Senior Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health
Gordon Coleman, Chief, Environmental Protection Division
Kevin Graves, San Francisco Bay RWQCB
SH / files