



Environmental
Science &
Engineering, Inc.

TO: Alameda County Flood Control and Water
Conservation District
Zone 7 Water Resources Management
5997 Parkside Drive
Pleasanton, CA 94588

DATE: October 4, 1991

ATTN: Mr. Wyman Hong

JOB NUMBER: 6-91-5165

SUBJECT: Permit Applications

WE ARE TRANSMITTING THE FOLLOWING:

Groundwater Protection Ordinance Permit Applications for the installation of two monitoring wells and the destruction of one monitoring well at 2740 Broadway Avenue, Oakland, California. A site map is also enclosed for your perusal.

If you should have any comments or questions, please contact Bart Miller at (510) 685-4053.

CC:

DIST:
LB

ORIGINATOR

Best Regards,
ENVIRONMENTAL SCIENCE & ENGINEERING, INC.

BY 

Bart S. Miller
Senior Staff Geologist



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT BROADWAY VOLKSWAGEN
2740 BROADWAY AVENUE
OAKLAND, CA 94612

PERMIT NUMBER
LOCATION NUMBER

CLIENT
Name MR. TOM MUFFATT, VOCELCO, INC.
Address 888 WEST BIG BEAVER RD Phone (313) 362-7246
City TROY, MICHIGAN Zip 48007-7056

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name ENVIRONMENTAL SCIENCE & ENGINEERING, INC.
Address 4640 NELSON AVE, STE. J Phone (510) 685-4053
City CONCORD, CA Zip 94520

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 log and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

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

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.

PROPOSED WATER SUPPLY WELL USE
Domestic Industrial Other MONITORING
Municipal Irrigation

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

- 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.

DRILLER'S LICENSE NO. C57485165

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

WELL PROJECTS
Drill Hole Diameter 10.5 in. Maximum
Casing Diameter 4 in. Depth 30 ft.
Surface Seal Depth 8 ft. Number 2

- E. WELL DESTRUCTION. See attached.

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

ESTIMATED STARTING DATE 10/10/91
ESTIMATED COMPLETION DATE 10/11/91

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

Approved Date

APPLICANT'S SIGNATURE Date 10/4/91



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 (415) 484-2600

GROUNDWATER PROTECTION ORDINANCE PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

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2740 BROADWAY AVENUE
OAKLAND, CA 94612

PERMIT NUMBER
LOCATION NUMBER

CLIENT
Name MR. TOM MUFFATT, VORELLO, INC.
Address 898 WEST BIG BEAVER RD. Phone (313) 362-7296
City TROY, MICHIGAN Zip 48067-7050

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name ENVIRONMENTAL SCIENCE & ENGINEERING, INC.
Address 4090 NELSON AVE. STE. 1 Phone (510) 685-4053
City CONCORD, CA Zip 94520

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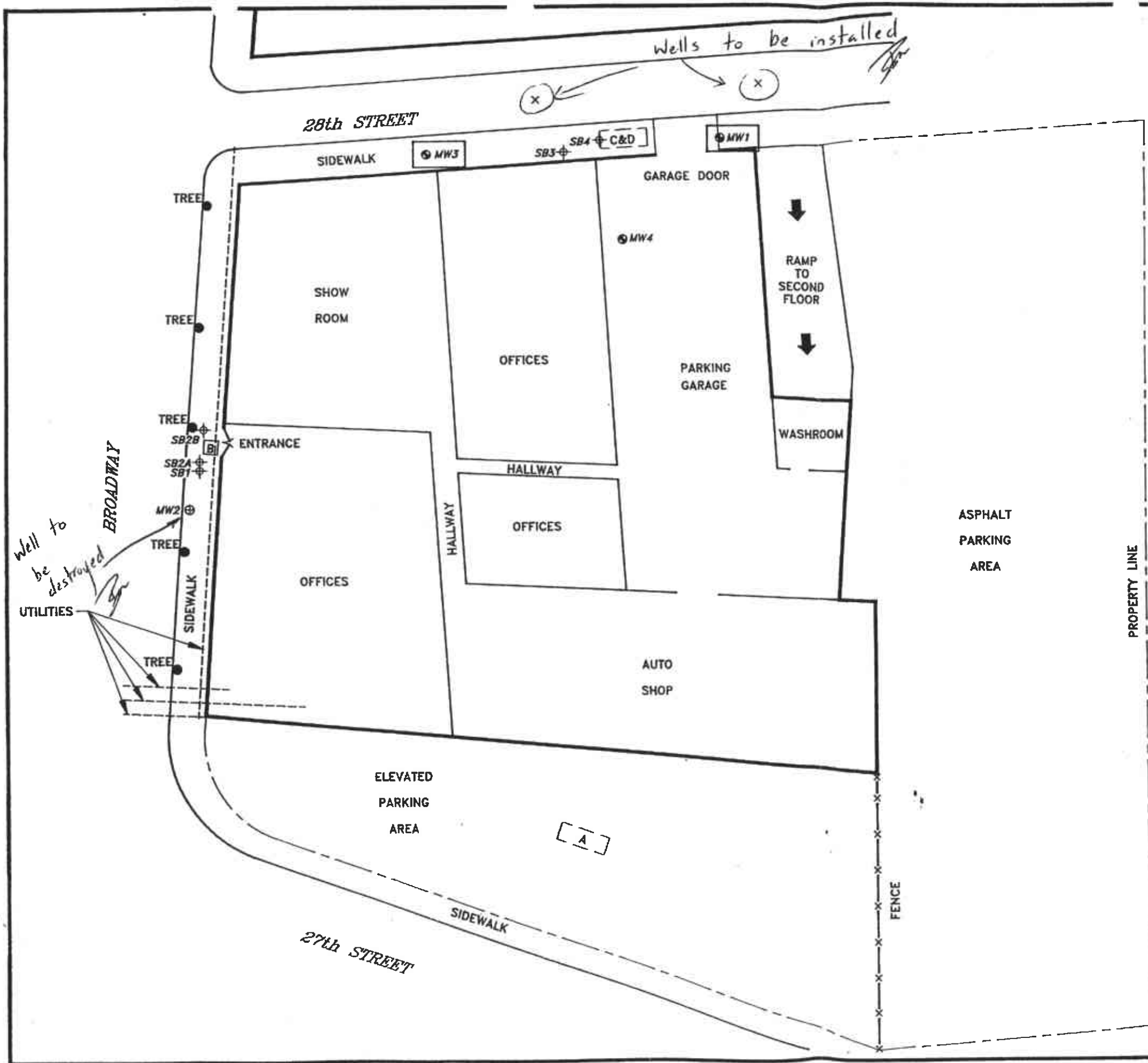
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Approved Date

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LEGEND

- ⊕ MONITORING WELL
- ⊗ ABANDONED MONITORING WELL
- ⊕ SOIL BORING
- x PROPOSED MONITORING WELL LOCATIONS

TANKS

- A WASTE OIL (1,000 GAL.); TANK REMOVED, SITE CLEAN
- B WASTE OIL (550 GAL.); TANK REMOVED
- C&D WASTE OIL (550 GAL.) AND UNLEADED GASOLINE (3,000 GAL.); TANKS REMOVED



 Environmental Science & Engineering, Inc. <small>A CILCORP COMPANY</small>		
VORELCO #4286 BROADWAY VOLKSWAGEN OAKLAND, CALIFORNIA		
FIGURE 1 SITE PLAN		
DRAWN BY CVS	APPROVED BY 	REVISED 9/91 DWR
DATE 7/91	FILE NAME F1PROSAL	PROJ. NO. 6-91-5165