



January 3, 2000  
Project 604.01.10

Mr. Marlon Magallanes  
**County of Alameda**  
**Public Works Agency**  
951 Turner Court, Room 300  
Hayward, California 94604-2681

**RE: PERMIT NUMBERS 99WR672 AND 99WR673, MONITORING WELL  
DESTRUCTION, OAKLAND, CALIFORNIA**

Dear Mr. Magallanes:

The results of the well destruction program at 321 and 1441 Embarcadero in Oakland, California are summarized in this letter. Field Solutions, Inc. (FSI) has prepared this letter on behalf of Crowley Marine Services, Inc. (Crowley). Seven groundwater monitoring wells at 321 Embarcadero and six wells at 1441 Embarcadero were destroyed following the procedures described in Alameda County Public Works Agency permit numbers 99WR672 and 99WR673. FSI also obtained an excavation permit from the City of Oakland before destroying well MW-5 at 1441 Embarcadero. A copy of the City of Oakland excavation permit is attached to this letter.

Except for well MW-3 at 1441 Embarcadero, the wells were destroyed on December 2, 1999. Zaccor Companies destroyed well MW-3 on or about December 8, 1997 while they were removing concrete pads and foundations at the 1441 Embarcadero site. The remaining wells were destroyed by HEW Drilling Company, Inc. (HEW Drilling) under contract to FSI. HEW Drilling used solid stem auger and grouting equipment to destroy the wells. FSI measured the total depths of the wells before they were destroyed to comply with permit conditions. The total depth measurements for the 321 and 1441 Embarcadero wells are summarized in Tables 1 and 2, respectively. HEW used solid stem auger drilling equipment to remove the protective boxes, casing, and annular seal to a depth of 2 feet below ground surface at each of the wells. Cement grout was then pumped into the wells to complete the destruction task.

The protective boxes and debris removed from the wells were transported from the sites and disposed as solid waste at a Class III landfill. The voids created when the protective boxes and annular seal were removed were filled with cement grout. All of the grout seals were inspected on December 3, 1999 and additional cement was added where necessary to ensure that the seals were flush with the surrounding ground surface.

00 JAN -4 PM 3:27  
ENVIRONMENTAL  
PROTECTION

Marlon Magallanes  
Alameda County Public Works Agency  
January 3, 2000  
Page 2

Please call if you have any questions or require additional information.

Sincerely,

**FIELD SOLUTIONS, INC.**



PATRICK LACEY  
FIELD SERVICES MANAGER

Attachments: Table 1 – Well Total Depth Data, 321 Embarcadero  
Table 2 – Well Total Depth Data, 1441 Embarcadero  
City of Oakland Excavation Permit No. X9900888

cc: Stephen Wilson, Crowley Marine Services  
Barney Chan, Alameda County Health Care Services  
Diane Heinze, Port of Oakland  
Beth Hamilton, Skjerven & Morrill

Table 1  
Well Total Depth Data<sup>1</sup>  
321 Embarcadero, Oakland, California

Well Identification	Installation Date	Destruction Date	Installed Total Depth (feet)	Measured Total Depth (feet, btoc <sup>2</sup> )
MW-1	7/8/94	12/2/99	15.0	14.4
MW-2	7/8/94	12/2/99	15.0	15.8
MW-3	7/8/94	12/2/99	15.0	14.6
MW-4	9/25/95	12/2/99	15.5	15.0
MW-5	9/25/95	12/2/99	14.5	14.6
MW-6	9/26/95	12/2/99	14.5	14.6
MW-7	9/26/95	12/2/99	14.5	14.5

Table 2  
Well Total Depth Data<sup>1</sup>  
1441 Embarcadero, Oakland, California

Well Identification	Installation Date	Destruction Date	Installed Total Depth (feet)	Measured Total Depth (feet, btoc <sup>2</sup> )
MW-1	6/23/93	12/2/99	14.0	14.5
MW-2	6/23/93	12/2/99	14.0	14.3
MW-3	6/24/93	12/97 <sup>3</sup>	15.0	15.0
MW-4	6/23/93	12/2/99	13.0	13.3
MW-5	6/24/93	12/2/99	14.0	14.3
MW-6	2/28/96	12/2/99	13.0	12.7

Notes:

1. Well installation dates and installed total depth data were taken from drilling logs or well construction records prepared by Versar, Inc.
2. btoc = below top of casing
3. Well MW-3 at 1441 Embarcadero was destroyed by Zaccor Companies, Inc. The remaining wells at 321 and 1441 Embarcadero were destroyed by HEW Drilling Company, Inc.



# EXCAVATION PERMIT

## TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL  
ENGINEERING

PAGE 2 of 2

PERMIT NUMBER <b>X9900888</b>		SITE ADDRESS/LOCATION <b>1491 EMBARCADERO</b>
APPROX. START DATE	APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS		CITY BUSINESS TAX #

**ATTENTION:**

- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1 (800) 642-2444. UNDERGROUND SERVICE ALERT (USA) #: 663947
- 48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.**

**OWNER/BUILDER**

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):

I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

I am exempt under Sec. \_\_\_\_\_, B&PC for this reason \_\_\_\_\_

**WORKER'S COMPENSATION**

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # \_\_\_\_\_ Company Name \_\_\_\_\_

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars (\$100) or less).

**NOTICE TO APPLICANT:** If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee [Signature]  Agent for  Contractor  Owner Date 11/23/99

DATE STREET LAST RESURFACED <u>90</u>	SPECIAL PAVING DETAIL REQUIRED? <input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) <input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) <input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO
ISSUED BY <u>[Signature]</u>	DATE ISSUED <u>11/23/99</u>		

604987