



# COMMUNICATION MEMO

|   |                                     |               |  |           |       |
|---|-------------------------------------|---------------|--|-----------|-------|
| <input type="checkbox"/> TELEPHONE                  | <input type="checkbox"/> CONFERENCE | DATE: 2/25/91 | TIME:  | FILE NO.: | PAGE: |
| Person Contacted: MS. PAM EVANS                     |                                     |               | Telephone Number:  |           |       |
| Company: ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY |                                     |               | Prepared By: BRITT VON THADEN  |           |       |
| Location:   |                                     |               | <input type="checkbox"/> Info. Only <input type="checkbox"/> Action Required |           |       |
| SUBJECT: CROWN METALS                               |                                     |               | Responsible Person:  |           |       |

NOTES AND DISCUSSION.

DEAR MS. EVANS:

ENCLOSED PLEASE FIND A CHECK IN THE AMOUNT OF \$500.00 FROM CROWN METALS TO COVER PROJECT OVERSIGHT COSTS, AND THE WORKPLAN FOR INSTALLING AN ADDITIONAL WELL AT THE CROWN METAL FACILITY. THE INSTALLATION OF THE WELL WILL TAKE PLACE UPON ACCEPTANCE OF THE WORKPLAN.

|   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> <b>FREMONT</b><br>41674 Christy Street<br>Fremont, CA 94538-3114<br>(415) 659-0404<br>Fax: (415) 651-4677 | <input type="checkbox"/> <b>IRVINE</b><br>17062 Murphy Avenue<br>Irvine, CA 92714<br>Telephone: (714) 756-8666<br>Fax: (714) 756-5317 | <input type="checkbox"/> <b>TEMPE</b><br>1520 West Mineral Drive<br>Suite A-1<br>Tempe, Arizona 85283<br>(602) 345-6640<br>Fax: (602) 345-8149 |
|---|---|--|

SIGNATURE: Britt Von Thaden



February 25, 1991

Alameda County Health Care Services Agency  
Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, CA 94621

Attention: Ms. Pamela Evans

Subject: Work Plan for Monitoring Well Installation  
and Reduction in Groundwater Sampling  
Crown Metal Manufacturing (Pacific International Steel)  
16525 Worthley Drive, San Lorenzo, California  
Exceltech Project No. 1587-2G

Dear Ms. Evans:

Exceltech, Inc., has reviewed your letter, dated January 17, 1991, and addressed to Mr. Richard Ernest of Crown Metal Manufacturing, requesting the installation of additional groundwater monitoring wells at the site. Of the eight wells at the site, RW-1 and MW-2 have consistently contained petroleum hydrocarbons in concentrations that exceed laboratory detection limits. The remaining wells, as reported, have been generally free of hydrocarbons. As addressed in your letter, the area of concern is the northwest portion of the property. The groundwater flow direction in this area is generally towards the south to southwest. To address the extent of contamination in this area, Exceltech proposes to install one groundwater monitoring well at the location shown in Figure 1.

### **Well Installation**

The monitoring well installation will consist of the following:

- Logging and collecting soil samples during the drilling of an exploratory boring.
- Installing 2-inch-diameter slotted and solid polyvinyl chloride (PVC) casing through the hollow stem augers.
- Placing sand pack; bentonite and annular seals; and traffic rated vault box to complete the well.

Soil cuttings generated during drilling will be placed on and covered by plastic sheeting and properly disposed of upon receipt of the laboratory analytical results.



Alameda County Health Care Services Agency  
Project No. 1587-2G  
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### Well Development and Sampling

Following installation, the well will be developed to improve communication between the formation and the well. Development will continue until the well produces sediment-free water or until no further improvement is observable. After development, the well will be allowed to recharge before collecting groundwater samples. Samples will be collected in accordance with Exceltech's groundwater sampling protocol (attached). Equipment rinse water and groundwater purged from the well will be placed in drums approved by the Department of Transportation and properly disposed of upon receipt of the laboratory analytical results.

### Quarterly Groundwater Sampling

Exceltech has been conducting groundwater sampling at the site quarterly. Based on past results, the sampling frequency for wells MW-1, MW-4, MW-5, and MW-6 was reduced to yearly as of February 1990. At that time, MW-7 was a newly installed well and quarterly sampling was left in place until a sufficient amount of data could be collected. Upon review of the data obtained from wells MW-1, MW-4, MW-5, MW-6, and MW-7, Exceltech proposes to suspend the sample collection from these wells. The history of the sampling data reveals that the wells have been generally free of hydrocarbons with the exception of what Exceltech believes are a few random and anomalous results showing detectable hydrocarbons. The wells will be left in place and used solely for quarterly water level measurements.

The sampling of the proposed well will be conducted quarterly for a period of one year. During this same period, the remediation system will be operating at the site. To determine the effectiveness of the remediation system, water level measurements will be collected from all on-site wells at least once each during high and low tide. If, during this time, the proposed well is reported as containing petroleum hydrocarbons and it appears that the remedial activities are not influencing the proposed well then the subject of installing an additional well will be addressed.

If you have any questions, please call.




Sincerely,  
Exceltech, Inc.

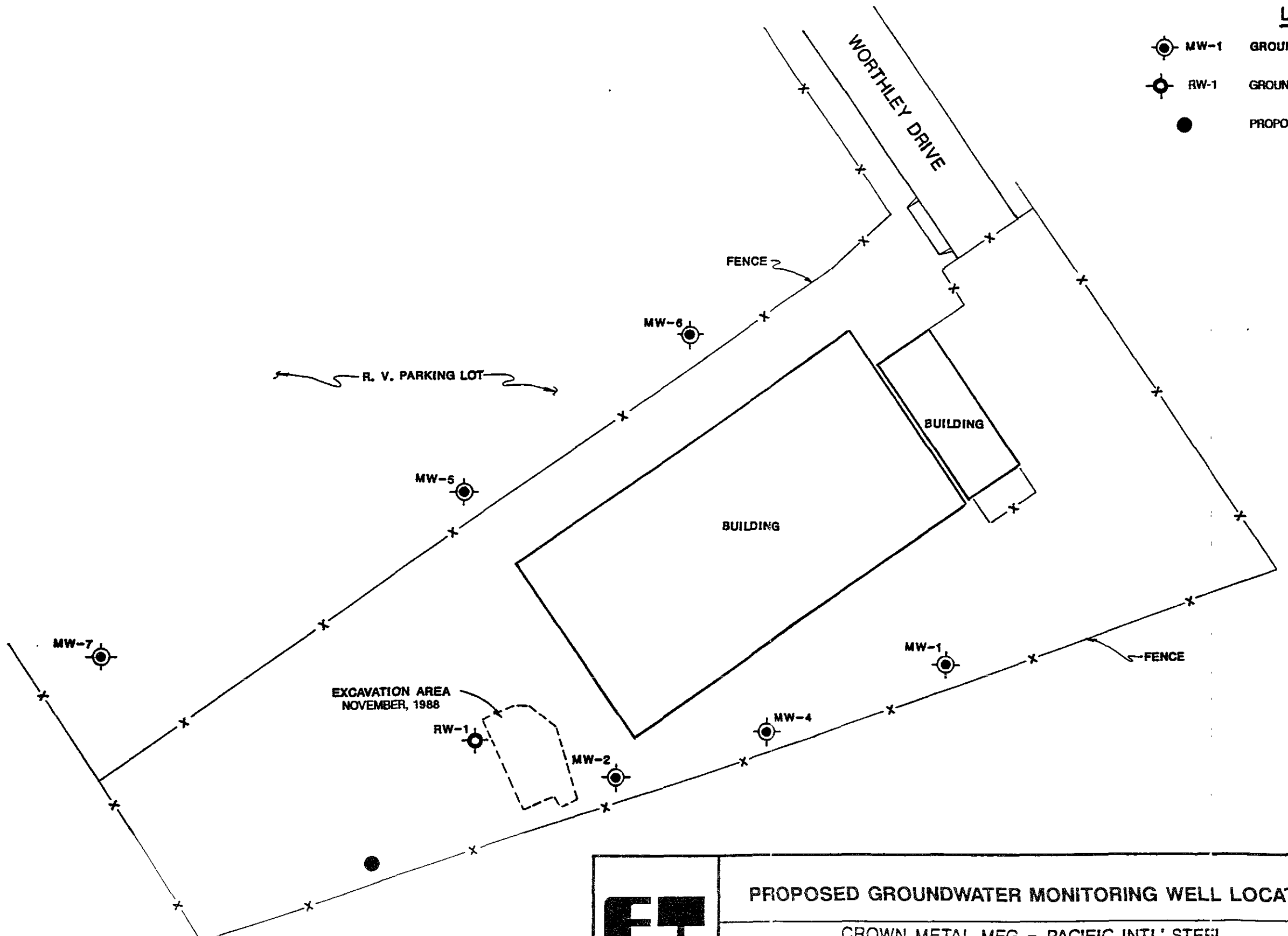
*Britt Von Thaden*  
Britt Von Thaden  
Project Geologist

BVT/LDP/sr

*Lawrence D. Pavlak*  
Lawrence D. Pavlak, C.E.G. 1187  
Corporate C.E.G.

**LEGEND**

-  MW-1 GROUNDWATER MONITORING WELL
-  RW-1 GROUNDWATER RECOVERY WELL
-  PROPOSED GROUNDWATER MONITORING WELL

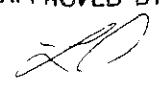


**PROPOSED GROUNDWATER MONITORING WELL LOCATION**

CROWN METAL MFG - PACIFIC INTL' STEEL

16525 WORTHLEY DRIVE

SAN LORENZO, CALIFORNIA

|                     |   |
|---------------------|---|
| REVIEWED BY:<br>BVT | APPROVED BY:<br> |
| DESIGNED BY:        | DATE:   |
| JOB #:<br>1587-2G   | DRAWN BY:<br>SLS  |
| DATE:<br>2/25/91    | DRAWING #:<br>FIG. 1  |