

GROUNDWATER TECHNOLOGY, INC.

1401 Halyard Drive, Suite 140, West Sacramento, CA 95691 (916) 372-4700

FAX (916) 372-8781

July 3, 1991

Project No. 02320 7071

Mr. Terrence A. Fox
Environmental Specialist
Ultramar, Inc.
525 West Third Street
P. O. Box 466
Hanford, CA 93232-0466

**SUBJECT: WORK PLAN ADDENDUM
BEACON STATION NO. 721
44 LEWELLING BOULEVARD
SAN LORENZO, CALIFORNIA**

Dear Mr. Fox:

Attached is an addendum to the *Work Plan, Continuing Subsurface Environmental Investigation at Beacon Station No. 721, 44 Lewelling Boulevard, San Lorenzo, California, March 13, 1991* prepared by Groundwater Technology, Inc. This addendum details changes in the test-well casing and screen, from steel to PVC; all construction and installation methodologies will remain the same.

Construction of Test Well

An aquifer test well constructed of 8-inch inside-diameter, threaded PVC casing will be installed in the on-site borehole. The piping will be threaded so that no chemical cements, glues, or solvents will be used in well construction. The screened portion of the test well will consist of Johnson PVC machine-slotted screen (or equivalent). The slot size will be determined based on grain size analysis of aquifer materials. The well screen will extend from approximately 35 to 15 feet below grade. The annulus of the well will be packed with an appropriately sized sand to approximately 2 feet above the screened interval. A 1- to 2-foot-thick bentonite plug will be placed above the sand as a seal against cement entering the sand pack. The remaining annulus will be backfilled with a slurry of water, neat cement, and 5 percent bentonite to a few inches below grade. The well will be developed before collecting water samples by surge-pumping until the discharge is relatively clean and free of suspended sediment.

A locking well cap and padlock will be installed on the well head, and a traffic-rated, cast-aluminum utility box with a PVC apron will be placed over the well and set with concrete flush with surrounding grade. The box has a watertight seal to protect against surface-water infiltration and requires a specially designed wrench to open. This design discourages vandalism and reduces the possibility of accidental disturbance of the well.

Mr. Terrence A. Fox
02320 7071

July 3, 1991
Page 2

If you have any questions or comments, please contact our West Sacramento office.

Sincerely,

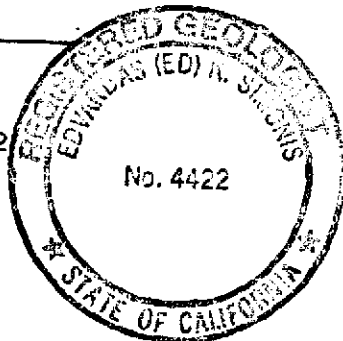
GROUNDWATER TECHNOLOGY, INC.



ANDREW W. BAKINOWSKI
Senior Environmental Geologist
District Manager



E. K. SIMONIS
California Registered
Geologist, No. 4422



AWB/EKS:rc