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Alameda County
OCT 17 2002
Environmental Health

October 11, 2002

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: *Sensitive Receptor Survey Report*
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

Ms. Chu,

At the request of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. (Delta), has prepared this sensitive receptor survey report for the above-referenced site. The location of the site is presented in Figure 1 and a site map is presented as Figure 2. The purpose of this survey was to identify potential sensitive receptors of the residual petroleum hydrocarbons in soil and groundwater at the site.

In November 2001, Delta conducted a search of Department of Water Resources (DWR) files for domestic, municipal, and irrigation supply wells within 2,000 feet of the subject site. Only one well, an irrigation well, was identified from the DWR search. The irrigation well is listed as active and is located approximately 1,600 feet southeast (cross-gradient) of the site. An inventory of wells identified within 2,000 feet of the subject site is presented in Table 1. The well locations are presented on Figure 1.

On December 11, 2001, Delta conducted a door-to-door survey of private water wells within 500 feet of the subject site. There were no private water wells identified during the survey. Addresses surveyed are presented in Table 2 and their locations are shown on Figure 2.

In addition to the door-to-door well survey performed on December 11, 2001, Delta conducted a survey of potential sensitive receptors on-site and in the vicinity of the site. This portion of the survey consisted of locating and identifying vapor receptors such as basements, locating and verifying depth of utility vaults, and locating the nearest surface water bodies. There were no basements or man-sized utility vaults identified within the search area. However, several minor utility vaults were identified that included water, Pacific Bell, and PG&E. Utilities identified adjacent to the site included: storm drains, water and sanitary sewer buried at depths between 4 and 6 feet below surface grade (bsg). The utilities are located in Otis Drive and Park Street. These trenches could act as potential pathways of dissolved and vapor phase hydrocarbons. Historical DTW ranges between 2.71 and 7.10 feet bsg. Locations of utilities are shown on Figure 3. The nearest surface water bodies identified were man-made lakes, located approximately 200 feet northwest and southeast of the subject site (Figure 1).

Ms. Eva Chu
Alameda County Health Care Services
October 11, 2002
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If you have any questions regarding this project, please contact Todd Del Frate at (916) 536-2612.

Sincerely,

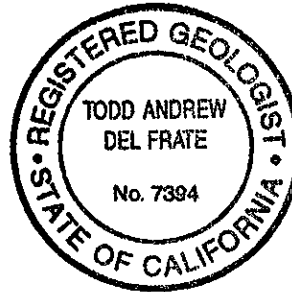
Delta Environmental Consultants, Inc.

Brett A. Bardsley

Brett A. Bardsley
Staff Geologist

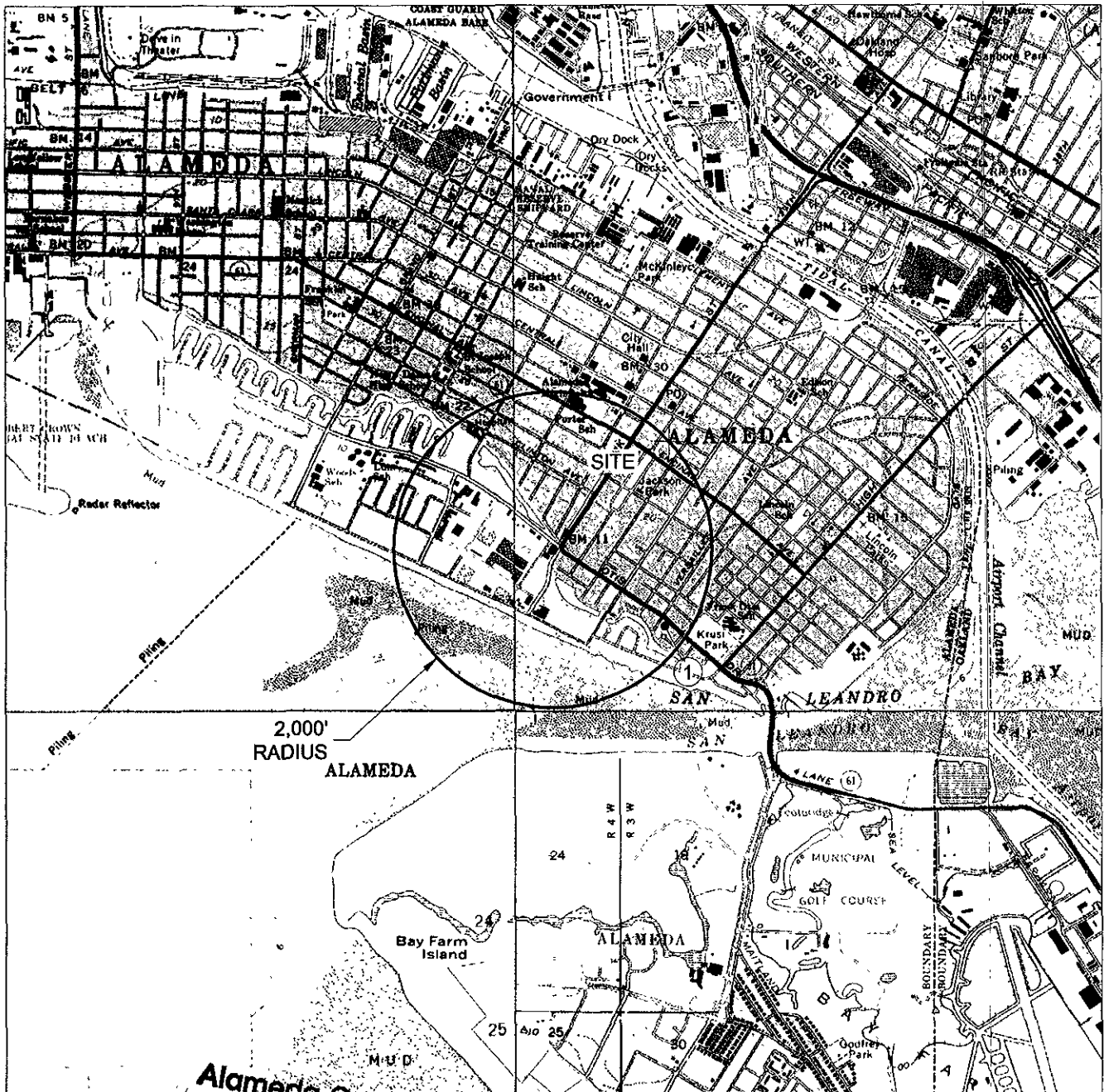
Todd Del Frate

Todd Del Frate, R.G.
Project Manager
California Registered Geologist No. 7394



BAB (LRP001.9-6607 SRS)

cc: Ms. Karen Streich, Chevron Products Company
Mr. Wayne Weber, 2340 Otis Dr., Alameda, CA 94501
Harsh Investment Corp., 523 West Plaza, South Shore Center, Alameda, CA 94501



Alameda County

R 4 W R 3 W.

OCT 17 2002
Environmental Health

LEGEND:
① WATER WELL LOCATION

GENERAL NOTES:
BASE MAP FROM U.S.G.S.
OAKLAND WEST, OAKLAND EAST,
HUNTERS POINT, SAN LEANDRO, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTO REVISED 1980



QUADRANGLE LOCATION



SCALE 1:24,000

FIGURE 1
SITE LOCATION AND WATER WELL
LOCATION WITHIN A 2,000' RADIUS MAP

CHEVRON STATION NO. 9-6607
2340 OTIS DRIVE
ALAMEDA, CALIFORNIA

| | |
|-------------------------|--------------------------|
| PROJECT NO. DG96-607 | DRAWN BY M.L. 8/21/02 |
| FILE NO 9-6607-1A | PREPARED BY BAB |
| REVISION NO 1 | REVIEWED BY |



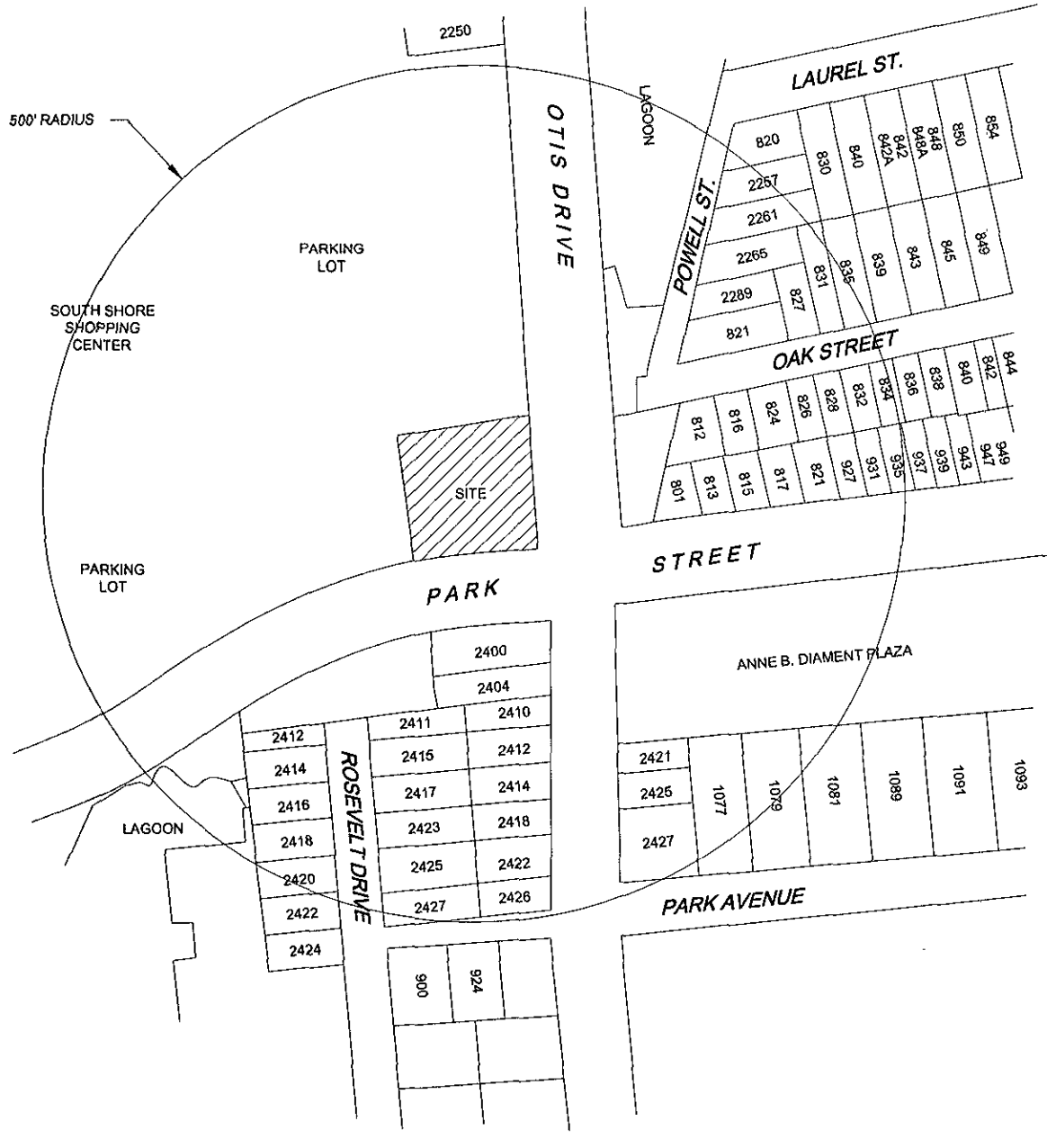


FIGURE 2
DOOR TO DOOR WELL SURVEY
CHEVRON STATION NO. 9-6607
2340 OTIS DRIVE
ALAMEDA, CALIFORNIA

| | |
|-------------------------|--------------------------|
| PROJECT NO. DG96-607 | DRAWN BY M. L. 5/1/02 |
| FILE NO. DG96607D | PREPARED BY BAB |
| REVISION NO. 3 | REVIEWED BY |

Delta
Environmental
Consultants, Inc.

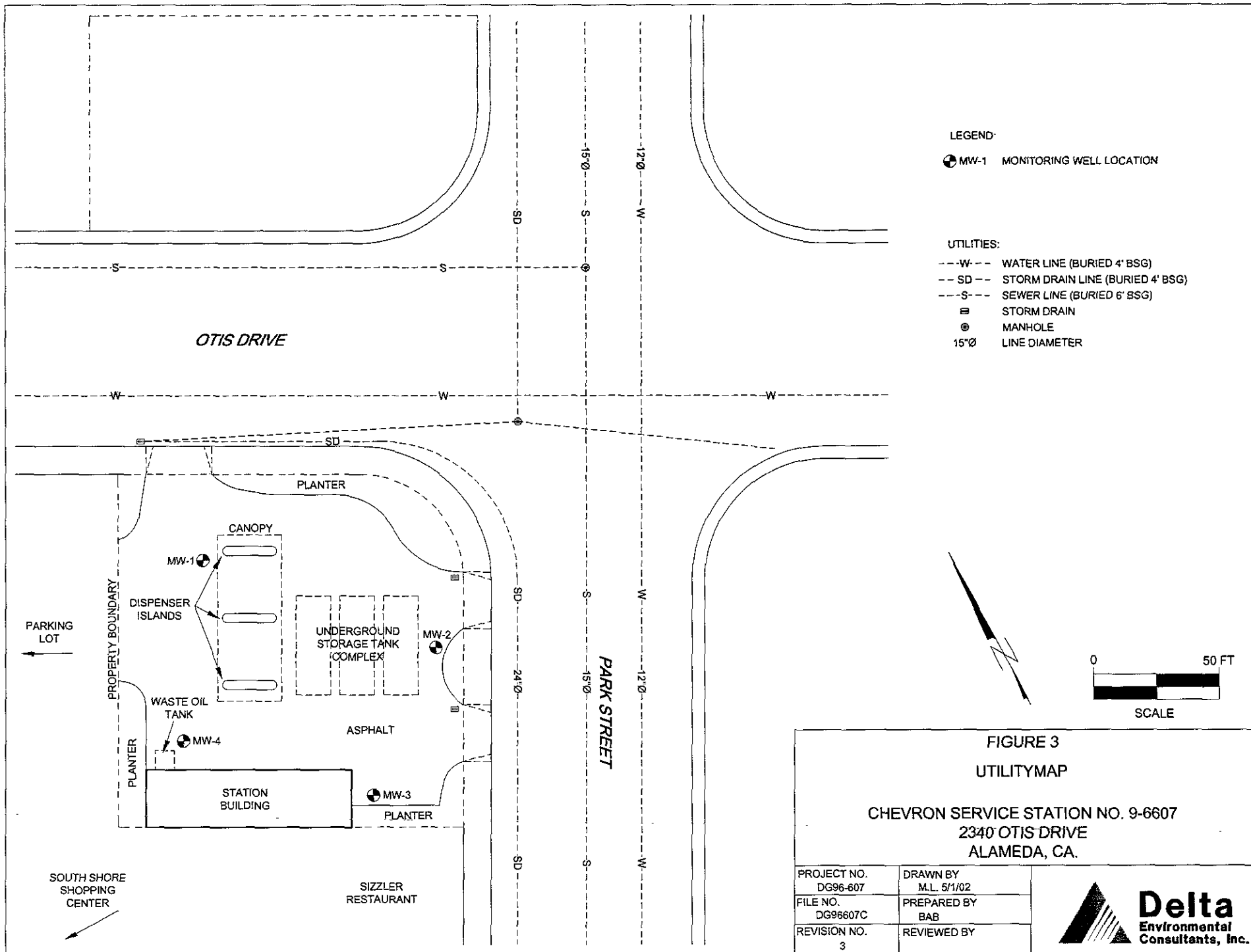


TABLE 1

WATER SUPPLY WELLS WITHIN 2,000 FEET OF SITE

Chevron Facility No. 9-6607
2340 Otis Drive
Alameda, California

| Map Location | Property Owner | Address | Year Drilled | Well Use | State Well ID |
|--------------|--------------------|-----------------|--------------|------------|---------------|
| 1 | Verner C. Anderson | 2812 Otis Drive | 1977 | Irrigation | 2S3W18N3 |

TABLE 2

DOOR-TO-DOOR WELL SURVEY OF RESIDENCES WITHIN 500 FEET OF SITE

Chevron Facility No. 9-6607
 2340 Otis Drive
 Alameda, California

| <u>Street Address</u> | <u>Responses</u> | <u>Street Address</u> | <u>Responses</u> |
|-----------------------|------------------|-----------------------|------------------|
| 828 Laurel | No Response | 801 Park Street | Vacant |
| 838 Laurel | No Response | 813 Park Street | No Response |
| 840 Laurel | No Well | 815 Park Street | No Well |
| 812 Oak | No Response | 817 Park Street | No Response |
| 816 Oak | No Response | 821 Park Street | No Response |
| 821 Oak | No Response | 920 Park Street | No Well |
| 824 Oak | No Response | 927 Park Street | No Response |
| 826 Oak | No Response | 930 Park Street | No Response |
| 827 Oak | No Response | 931 Park Street | No Response |
| 828 Oak | No Response | 934 Park Street | No Well |
| 831 Oak | No Response | 935 Park Street | No Response |
| 832 Oak | No Well | 937 Park Street | No Response |
| 834 Oak | No Response | 939 Park Street | No Well |
| 835 Oak | No Well | 943 Park Street | No Response |
| 836 Oak | No Response | 945 Park Street | No Response |
| 838 Oak | No Well | 2257 Powell | No Response |
| 839 Oak | No Response | 2261 Powell | No Well |
| 840 Oak | No Well | 2265 Powell | No Response |
| 843 Oak | No Response | 2269 Powell | No Response |
| 2404 Otis | No Response | 2411 Roosevelt | No Response |
| 2410 Otis | No Response | 2414 Roosevelt | No Response |
| 2412 Otis | No Response | 2415 Roosevelt | No Well |
| 2414 Otis | No Response | 2420 Roosevelt | No Response |
| 2418 Otis | No Response | 2422 Roosevelt | No Well |
| 2421 Otis | No Response | 2423 Roosevelt | No Response |
| 2422 Otis | No Response | 2425 Roosevelt | No Response |
| 2425 Otis | No Well | | |
| 2426 Otis | No Well | | |
| 2427 Otis | No Response | | |
| 2812 Otis | No Response | | |
| 900 Park Avenue | No Response | | |
| 901 Park Avenue | No Response | | |
| 924 Park Avenue | No Response | | |
| 1077 Park Avenue | No Response | | |
| 1079 Park Avenue | No Response | | |
| 1081 Park Avenue | No Well | | |
| 1089 Park Avenue | No Response | | |
| 1091 Park Avenue | No Well | | |