

Health & Safety Training • Geo/Environmental Personnel • Engineering Geology Consultants • Environmental Management Consultants

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June 30, 1995

Mr. Wyman Hong Alameda County Flood Control and Water Conservation District 5997 Parkside Drive Pleasanton, CA 94588



Subject: Well Destruction Report for 3234 Castro Valley Blvd., Castro Valley, CA

Permit # 95376

Dear Mr. Hong:

This Letter Report details the well destruction activities performed at the project site under Permit #95376 (see attached permit). Five (5) existing ground water monitoring wells were abandoned at the project site (see Figure 1) by pressure grouting techniques on June 19, 1995 as described below:

The well closure was performed by Exploration Geoservices (C57# 489288) under the direct oversight of a Certified Engineering Geologist from Geo Plexus, Incorporated. The wells were measured to verify the full depth, to assure that no obstructions were present, and to calculate the individual well volumes. The grouting process included mixing a neat cement slurry (with 5% bentonite added) using high-pressure Chem-Grout equipment and pumping the slurry into each well casing. Approximately 10-15 gallons of grout (four to six well volumes) were pumped into the well casings to extrude the slurry through the well casing creating a concrete plug surrounding the well. Positive pressure remained on each well for 10-12 minutes following placement of the grout to assure extrusion of the grout into the formation. The well casings and traffic vaults were filled with grout and monitored to assure that settlement of the grout did not occur and the traffic vaults were then sealed in-place to protect the existing paved parking surface.

We trust that this information is sufficient for your records. Should you require additional information on this project please contact our office.

Respectfully submitted,

Geo Plexus, Incorporated

David C. Glick, CEG 1338 Director,

Geological and Environmental Services

Copies to:

Mr. Scott Seery, Alameda County (1)
Mtizi Stockel (4)



APPLICANTS SIGNATURE

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588

VOICE (510) 484-2600 FAX (510) 482-3914

91992

DRILLING PERMIT APPLICATION

| FOR APPLICANT TO COMPLETE | FOR OFFICE USE |
|---|--|
| LOCATION OF PROJECT LYONS RESTAURANT. | PERMIT NUMBER 95376 |
| 3234 CASTED VAILEY BLUD | LOCATION NUMBER 35/2W 3N80 to 3N84 |
| CASTRO VATILY CA | |
| CLIENT Name MRS. MITZ; STOCKEL | PERMIT CONDITIONS |
| Address 3461 ALMESTA ROAD Voice 916 624 5102 | |
| City Placewille CA IP 94667 | Circled Fermit Requirements Apply |
| APPLICANT . | |
| Name HED PLEXUS Truc | A. DENERAL |
| DAVID GLICK FOX HOR GAR DOLL | ` ' |
| DAVID SILE FOX 408 988 0915 Address 1900 WYATT Da #1 Voice 408 987 0210 | A permit application should be submitted so as to arrive at the Zone 7 effice five days prior to proposed starting date. |
| City SANTA CLARA CA ZIP 95054 | Submit to Zone 7 within 60 days after completion of permitted |
| | work the original Department of Water Resources Water Wall |
| TYPE OF PROJECT | Orillers Report or equivalent for well Projects, or drilling logs |
| Well Construction Geotechnical Investigation | and location sketch for geotechnical projects. |
| Cathodic Protection General | 3. Parmit is void if project not begun within 90 days of approval |
| Water Supply Contamination | date. |
| Monitoring ~ Wall Destruction | B. WATER WELLS, INCLUDING PIEZOMETERS |
| 5well 5 | 1. Minimum auriace seal thickness is two inches of cement grou |
| PROPOSED WATER SUPPLY WELL USE | placed by tremia. |
| Domestic Industrial Other | 2. Minimum seal depth is 50 feet for municipal and industrial we |
| Municipal intigation | or 20 fact for domestic and irrigation wells unless a lesser |
| | depth is specially approved. Minimum seal depth for |
| DAILLING METHOD: | monitoring wells is the maximum depth practicable or 20 feet, |
| Mud Rotary Air Rotary Auger | C. GEOTECHNICAL, Eackfill bore hole with compacted cuttings or |
| Cable Other PIZSSURE SROUT | heavy bantonite and upper two feet with compacted material. In |
| | areas of known or suspected contamination, tremied coment grout |
| DRILLER'S LICENSE NO. 489288 EXPLORATION | shall be used in place of compected cuttings. |
| Geoschuices | D. CATHODIC. Fill hole above anode zone with concrete placed by |
| WELL PROJECTS (SUSTING) | tramia. |
| Orill Hole Diameter in. Maximum | (E.) WELL DESTRUCTION. See attached. |
| Casing Diameter 2 In. Depth 20 ft. | |
| Surface Seal Depth 5 ft. Number 5 | • |
| GEOTECHNICAL PROJECTS | |
| Microsia au ed Francisco | |
| | |
| Hole Diamster in. Depth ft. | |
| ESTIMATED STARTING DATE 6/19/95 MONDAY | |
| ESTIMATED COMPLETION DATE | |
| Cof 19 195 | Marina a college N |
| I hereby agree to comply with all requirements of this permit and Alameda | Approved William HOTIO Date 21 Jun 9 |
| County Ordinance No. 73-68. | Wyman Hong |

Defie Date 4/12/95

ZONE 7 WATER RESOURCES ENGINEERING DRILLING ORDINANCE

LYONS RESTAURANT
3234 CASTRO VALLEY BOULEVARD
CASTRO VALLEY
WELLS 25/3W 3N80 TO 3N84
PERMIT 95376

<u>Destruction Requirements:</u>

- 1. Clean out all bridged or poorly compacted materials to the bottom of the well.
- Pressure grout the casing to 2 feet below finished grade or original ground, whichever is the lower elevation.
- 3. Remove casing, seal and gravel pack to 2 feet below finished grade or original ground, whichever is the lower elevation.
- 4. After the seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by David Glick of Geo Plexus meet or exceed Zone 7 minimum requirements.

