

ENCROACHMENT PERMIT

ARCO Products Company, the Owner/Lessee of the property located at 6692 Indiana Avenue in the City of Riverside, Assessors Parcel No. 229-140-013 hereby requests permission to construct and maintain **ONE GROUNDWATER MONITORING WELL** within the public right of way of as shown on the **EXHIBITS** attached hereto.

Upon issuance of this permit, I agree to comply with the attached terms and conditions.

Date 10-22-97

BY: [Signature] SECOR

Date 10-22-97

BY: [Signature] SVP

Applicants Address: Secor International Phone: 909-335-6116
25864-F Business Center Dr.
Redlands CA 92374
Attn: Greg Neal

ENCROACHMENT PERMIT APPROVAL

This permit shall become effective upon the approval of the Departments listed below. Issuance of this permit shall not be construed as a waiver of any other applicable permit or requirement, and is only revocable permission to use the land for the purpose described.

Public Utilities Water - Brian Simpson

[Signature] 11/4/97

Public Utilities Electric - Bill Mainord

[Signature] 11/4/97

Other:

Other:

APPLICANT: Upon obtaining the above signatures, return this permit to the Public Works Department for final approval.

FINAL APPROVAL

Date 11-6-97

[Signature]

Public Works Director

Encroachment Permit No. 1407

TERMS AND CONDITIONS

1. Permittee acknowledges that the area of encroachment is owned or controlled by the City of Riverside.
2. Permittee acknowledges that the described property could be needed for a proposed or planned public improvement and the City may revoke this permit. Upon written notice of revocation, the permittee shall, within the time prescribed by the City, remove all improvements placed, constructed or maintained. If the permittee fails to abide by the removal order of the City, the City shall have the right to remove and destroy the improvements without reimbursement to the permittee. The cost of such removal shall be paid by the permittee to the City and shall constitute a debt owed to the City.
3. Permittee waives the right of claim, loss, damage or action against the City resulting from revocation, termination, removal of improvements or any action of the City, its officers, agents or employees taken in accordance with the terms herein.
4. If the Public Works Director of the City of Riverside finds that the permittee is in default of the terms of this permit, that shall be cause for revocation.
5. Permittee herewith agrees to hold the City of Riverside harmless from and against all claims demands, costs, losses, damages, injuries, actions for damages and/or injuries, and liability in connection with the construction, encroachment, and/or maintenance to be done by permittee within the described property.
6. Prior to any construction taking place on City controlled property, permittee shall obtain a Construction Permit or Street Opening Permit from the City Public Works Department.
7. The permittee agrees to insure that construction of their improvements will not interfere in any way with any existing City or utility facilities.
8. Permitted acknowledges that existing city or utility facilities will require future maintenance, reconstruction, and revisions and that facilities may be added, any of which may result in removal or alteration of the permittee's improvements without reimbursement to the permittee.
9. Prior to construction, permittee shall contact Underground Service Alert to field locate existing utility lines. Any conflicts discovered will void the permit until acceptable revisions are made.

Special Departmental Conditions Attached: MONITORING WELL ADDENDUM

Encroachment Permit No. 1407

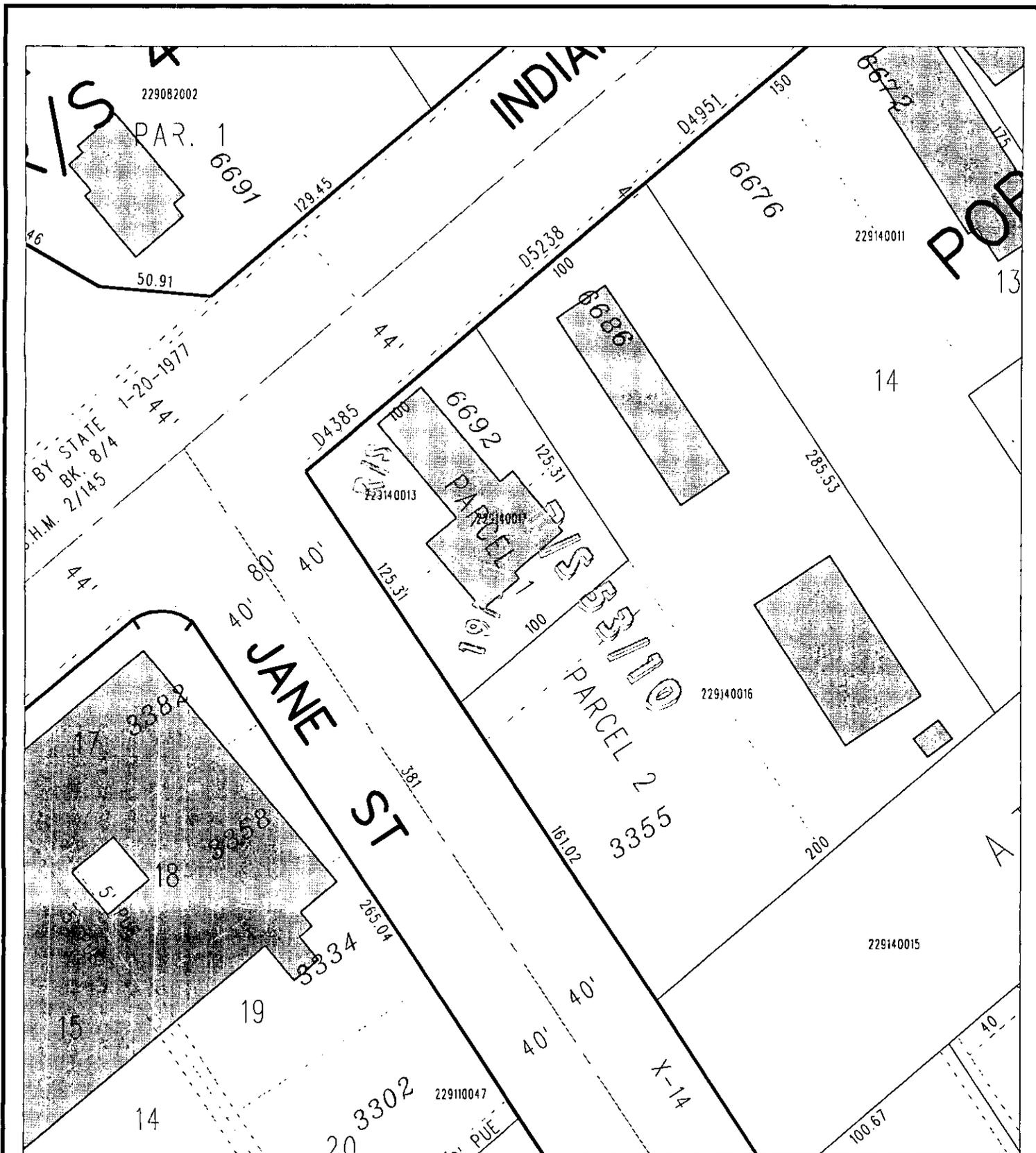
TEST WELL ADDENDUM

10. Permittee shall obtain a well permit from the County of Riverside Health Services Agency Department of Environmental Health and provide a copy of the County permit for incorporation into this encroachment permit. **County approval is required prior to issuance of this encroachment permit.**
- 10a. Permittee shall use and occupy the described encroachment only in the manner and for the purposes as follows: To drill, monitor, maintain, remove and close test well(s) for the purpose of Ground Water Monitoring.
- 10b. The test well(s) shall be constructed as shown on Exhibit "A" attached hereto and incorporated herein.
- 10c. Permittee's contractor shall obtain a **Street Opening Permit** from the City Public Works Department prior to doing any work in the public right-of-way.
- 10d. Permittee's contractor shall review required traffic control and safety measures for each site with the City's Traffic Engineering Division prior to doing any work in the public right-of-way.
- 10e. Permittee's contractor shall determine required clearances from all public and private utility, sewer and drainage facilities prior to drilling and shall only drill in compliance with such clearance requirements. It shall be Permittee's responsibility to determine the location of all utilities, sewers and similar underground facilities.
- 10f. Permittee shall notify the City of Riverside, California, Public Works Department of the exact drilling date. In residential neighborhoods drilling will not commence prior to 8:30 am and will continue no later than one hour prior to sunset. Drilling will not commence prior to 9:00 ~~am~~ 4 m and continue no later than 3:00 ~~pm~~ in all other areas.
- 10g. During the period of well installation, Permittee's contractor shall keep the site supervised continuously from the beginning of drilling until installation of the locked traffic grade "Christy Box" cap marked "Monitor Well". Under no circumstances is the well or borehole to be left unattended when it is unlocked or incapable of being locked. Supervision after dusk includes appropriated lights to make the well visible to the attendants who shall remain awake and observant of the well or borehole.
- 10h. Permittee shall be responsible for insuring that the well site(s) shall have and implement the required traffic control and safety measures approved by the City Traffic Engineer pursuant to Condition 10d above.

- 10i. Permittee agrees to make the results of sampling available to the City.
- 10j. In the event the City needs the site prior to completion of monitoring, upon receipt of written notice to this effect from the City, the Permittee agrees to remove, close and abandon the well or wells in a timely manner, in accordance with the procedures specified under Condition 10k below. This permit may then be revised to apply to a new approved site.
- 10k. When the well(s) are no longer needed, the Permittee shall provide written notice to this effect to the City, and the well(s) shall be removed, closed and abandoned to the specifications of the Riverside Public Works Department and the State of California regulations regarding the closure of wells.
- 10l. To insure that the removal and closure of the well(s) takes place in a timely manner, the Permittee shall post a cash deposit of \$ 1,000.00 per well. This cash deposit may be used by the City to remove and close the well(s) when not done by permittee as required by Condition 10j and Condition 10k above and/or Condition 4 above.

Any cost of closure in excess of the cash deposit shall be paid by Permittee to the City of Riverside and shall constitute a debt owed to the City of Riverside.

- 10m. Upon completion of the well(s), Permittee shall provide to the City an as-built plan showing the exact location of the well(s). During the period of existence of the well(s), Permittee shall submit to the City quarterly reports indicating the results of any sampling, anticipated future sampling and expected closure date. Permittee shall inspect each well site at least once each month to insure that the lock is locked and not broken. Upon closure, Permittee shall provide to the City an as-built plan of the closed well(s).
- 10n. Permittee shall have the right of reasonable access across the City's adjacent right-of-way to drill, monitor, maintain, remove and close the well(s).



◆ CITY OF RIVERSIDE, CALIFORNIA ◆

THIS PLAT IS SOLELY AN AID IN LOCATING THE PARCEL(S) DESCRIBED IN THE ATTACHED DOCUMENT. IT IS NOT A PART OF THE WRITTEN DESCRIPTION THEREIN.

Sheet 1 of 1



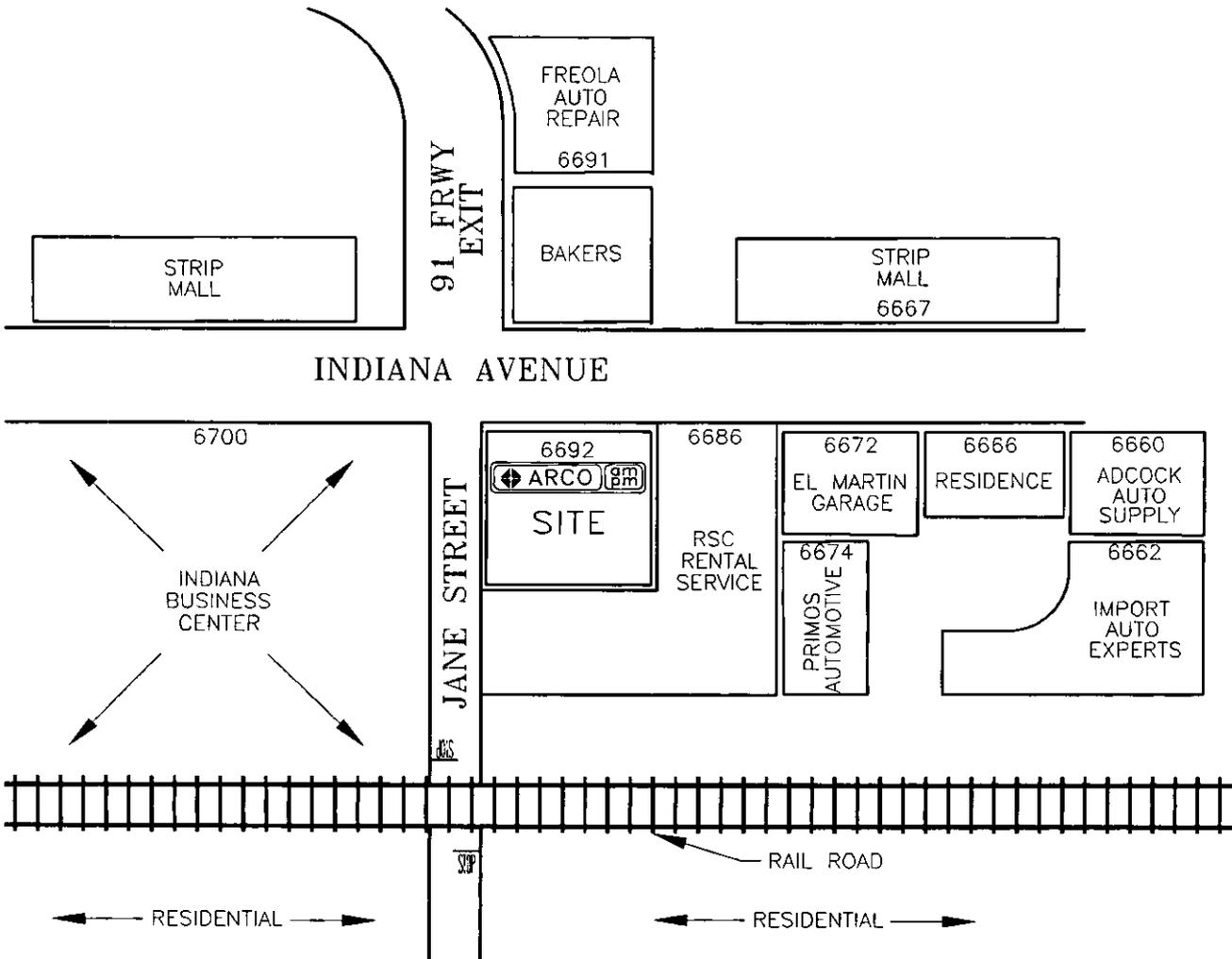
Scale: 1" = 60'

Drawn by: bmark

Date: 10/01/97

Subject: Monitoring Well Permit

E-1407




 NORTH
 SCALE
 NOT TO SCALE


 GROUNDWATER
 FLOW DIRTECTION

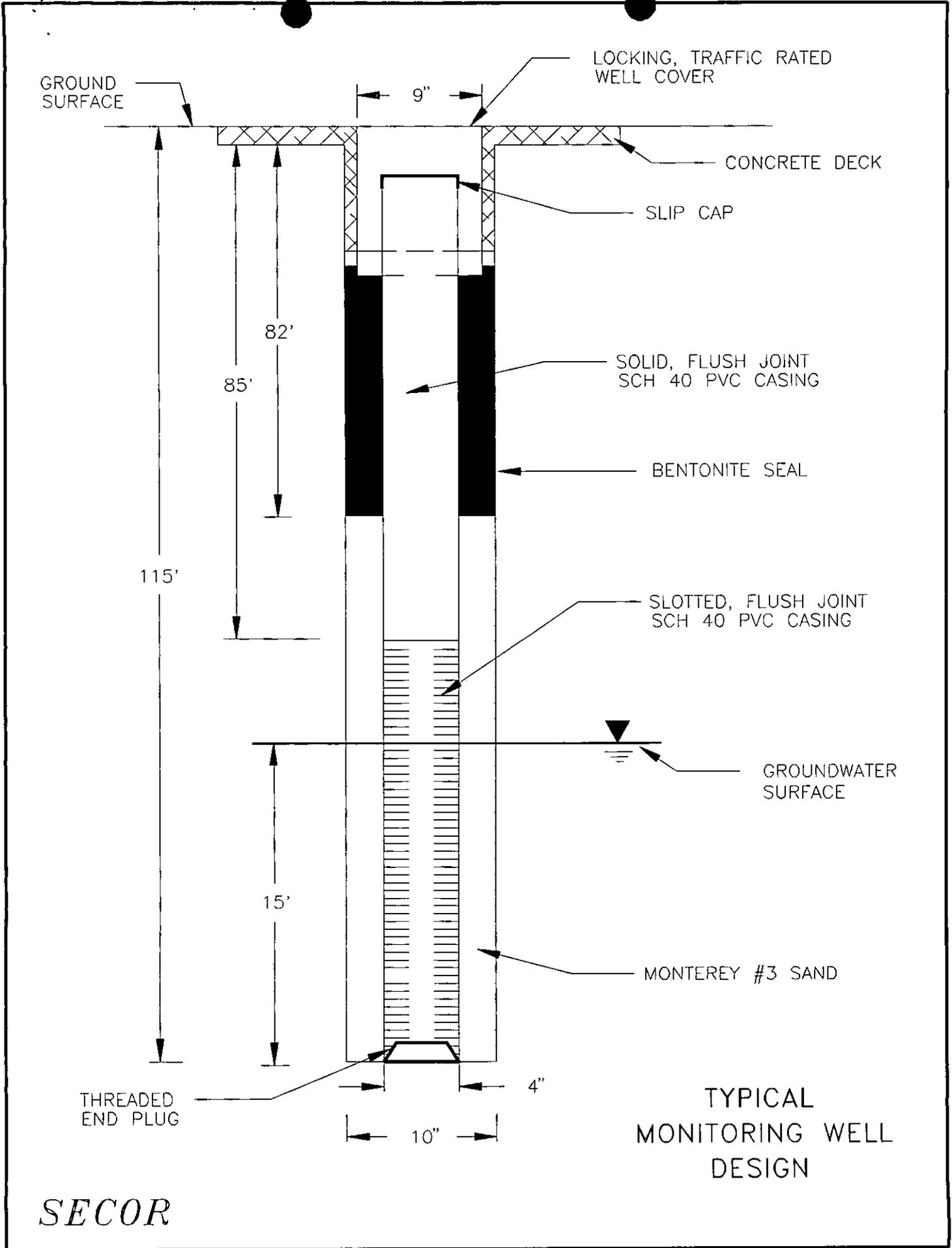
SCHEMATIC PLOT PLAN
 ARCO - RIVERSIDE
 6692 INDIANA AVE
 RIVERSIDE, CALIFORNIA

SECOR
CADFLS\ARCO\RSIDE2.DWG

PROJECT: 40600-057-24

FIGURE: 2

E-1407



TYPICAL
MONITORING WELL
DESIGN

SECOR

E-1407

COUNTY OF RIVERSIDE HEALTH SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH

WELL DRILLING PERMIT

Nº 21968

ALL ELECTRICAL, PLUMBING, MECHANICAL, AND STRUCTURAL REPAIRS AND INSTALLATIONS SHALL BE DONE UNDER PERMIT FROM RIVERSIDE COUNTY DEPT. OF BUILDING AND SAFETY.

Date September 26, 19 97

Expiration Date 3-26- 19 98

Fee \$80.00
1247 (non-refundable)

This permit is granted on condition that the person named in the permit will comply with the laws, ordinances, and regulations that are now or may hereafter be in force.

LOCATION OF PROPOSED WELL _____ ¼ _____ ¼; Sec. 10; T 3S; R 5W

PHYSICAL ADDRESS OF WELL 6692 Indiana Community Riverside

APN: 229-140-013 MW-5

NAME Arco Products Company

DRILLER Cascade Drilling Inc.
11250 East Firestone Blvd.
Norwalk, Ca. 90650

MAILING ADDRESS P.O. Box 8385

CITY & STATE La Crescenta, Ca. 91224

By Charlene Robbins
Charlene Robbins

DEH-SAN-025 (Rev 3/95)

Distribution: WHITE—Permit & Receipt; CANARY—Environmental Health Department; PINK—Well Driller; GOLDENROD—Flood Control

E-1407

**COUNTY OF RIVERSIDE HEALTH SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
WELL PERMIT APPLICATION
(For Construction, Reconstruction & Destruction)**

SECOR JN 40600-057-24

- 4065 County Circle Drive - Riverside, CA 92503 - (909) 358-5172
- 1737 Atlanta Avenue, Bldg. H - Riverside, CA 92507 - (909) 275-8980
- 79733 Country Club Drive, #D - Bermuda Dunes, CA 92201 - (619) 863-7000

PLEASE REPLY TO ADDRESS CHECKED ABOVE

NOTE: Any abandoned wells on the property must be properly destroyed before an application for construction or reconstruction can be processed.

FOR DEPARTMENT USE ONLY	
Permit No.	<u>97-21968-W</u>
Expiration	<u>3-26-98</u>

Please Print Consult Ch # 136657

1. OWNER: Name ARCO Products Company
Mailing Address Post Office Box 8385
City La Crescenta State Ca
Zip 91224 Phone No (909) 335-6116

6. ANNULAR SEAL:
Depth 82 ft.
Borehole Diam. 10 in.
Conductor Diam. 4 in.
Annular Thickness 3 in.
Sealing Material Bentonite Well Grout

2. DATE OF WORK (approximate):
Start 9/29/97 Complete 10/3/97

7. DEPTH OF WELL (feet):
Proposed 115 Existing _____
DIAMETER OF BORE (in.) 10

3. WELL DRILLER
Name Cascade Drilling
Riv. Co. Registration No. WDR 96-146
C-57 License No. 717510

8. PRODUCTION WELL CASING INSTALLED:
 Steel Plastic Other

4. WELL CHECK (check)
 Community Monitoring Industrial
 Individual Cathodic Other MW-5
 Agricultural Horizontal

From (ft.)	To (ft.)	Dia. (in.)	Wall (Gage)
0	115	4	Sch. 40

4A. FOR MONITORING WELL: (Name of Consultant)
Name SECOR Phone (909) 335-6116

GRAVEL PACK: Yes No
From 82 to 115 ft.
Type of rig Hollow Stem Auger

5. TYPE OF WORK (check)
 New Reconstruction Destruction

9. PERFORATIONS (if applicable):
From ~~85~~ 85 to 115 ft.

5A. If reconstruction or destruction, please describe method on reverse side of attached Plot Plan.

10. SEALED ZONES (if applicable):
From 0 to 82 ft.

11. The California Labor Code requires Worker's Compensation Insurance as a prerequisite to permit issuance unless the applicant signs the following certificate:

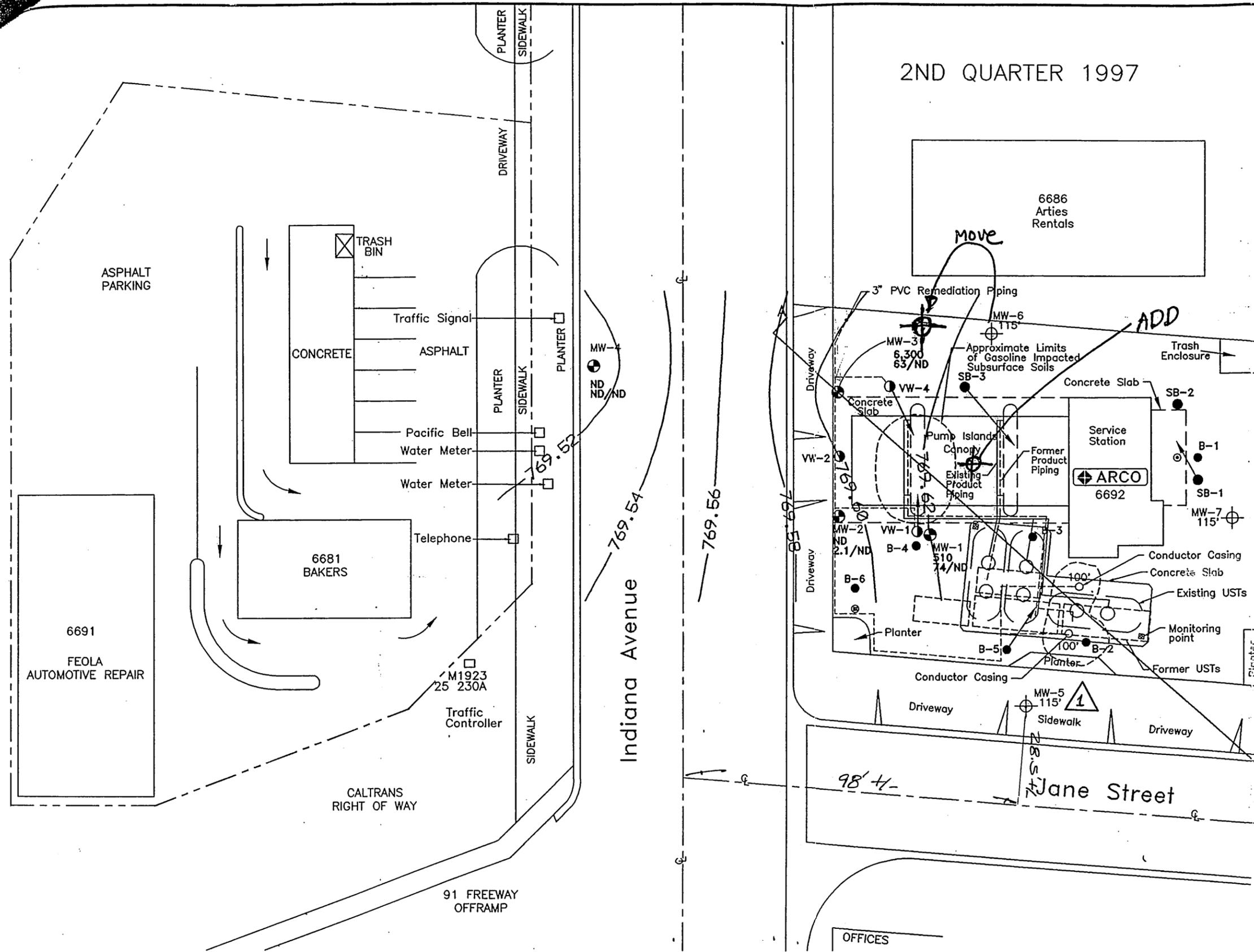
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Insurance laws of California.

Driller's Signature _____ Date _____

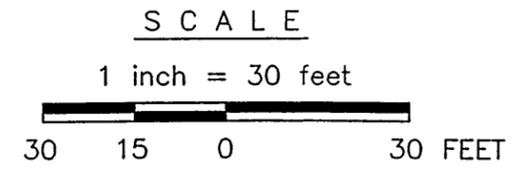
12. I have read this application and agree to comply with all laws regulating the type of work being performed.

Driller's Signature Don Kimbuck Date 9/16/97

DISPOSITION OF PERMIT		FOR DEPARTMENT USE ONLY
<input checked="" type="checkbox"/> Approved subject to the following:		
A. Notify the Department, <u>275-8980</u> <u>9/26/97</u> , forty-eight (48) hours in advance to make an inspection of the following operations:		
<input checked="" type="checkbox"/> Prior to sealing of the annular space or filling of the conductor casing.		
<input type="checkbox"/> Verify the depth of the conductor (outer) casing prior to further drilling and installation of the inner casing.		
<input checked="" type="checkbox"/> After installation of the surface protective slab and pumping equipment.		
<input type="checkbox"/> During destruction of wells, prior to pouring the sealing material.		
B. Approved Plot Plan.		
C. Submit to the Department within thirty (30) Days after completion of work, a copy of:		
<input checked="" type="checkbox"/> Water Well Driller's Report <input type="checkbox"/> Complete Title 22 Analysis		
D. Other: _____		
DENIED: _____		



2ND QUARTER 1997



EQUIPMENT RENTAL YARD
EXPLANATION

- WV-2 ● Vapor Extraction Well
- WV-1 ● Vapor Extraction Well (angle)
- MW-4 ● Groundwater Monitoring Well
- Soil Boring
- Soil Boring (angle)
- ⊙ Gasoline Fill Port
- ⊙ Waste-Oil Fill Port
- ⊙ Remote Fill Port (abandoned?)
- Approximate limits of soil impact
- 6,300 63/ND REPORT GASOLINE AND BENZENE/MTBE CONCENTRATIONS IN GROUNDWATER Concentrations in ug/L (ppb)
- 769.52 Groundwater contour. Assumed elevation benchmark of 870 ft. at MW-1 top of casing
- MW-7 ● Proposed Groundwater Monitoring Well
- 100' Proposed Soil Boring/ Vapor Well
- ⚠ 1 Danger! High Voltage Underground in vicinity! call for Locates prior to drilling.

GROUNDWATER CONTOUR MAP

ARCO FACILITY #1941
6692 INDIANA AVENUE
RIVERSIDE, CALIFORNIA

E-1407-10