

**ENCROACHMENT PERMIT**

Exxon Mobile Oil Corporation, the Owner/Lessee of the property located at 3480 Madison Street in the City of Riverside, Assessors Parcel No. 230-090-006 hereby requests permission to construct and maintain **TWO GROUND WATER MONITORING TEST WELLS** within the public right of way of as shown on **EXHIBIT A** attached hereto.

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

Date 6/3/02

BY: [Signature]

Date 6/13/02

BY: [Signature]

Applicants:  
Exxon Mobile Oil Corp.  
3700 West 190<sup>th</sup> Street, TPT-2  
Torrance, CA. 90509-2929  
310-212-1870

Kleinfelder Inc  
1940 Orange Treet Lane # 100  
Redlands CA. 92374  
909-793-2691  
Attn Carlos Campos 538-3349

**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 B. Simpson 5/17/02
- Public Utilities Electric - Pat Hohl P. Hohl 5-22-02 See attached
- Traffic Engineering - Fran Dunajski [Signature]
- ~~Planning - Jeff Bolior~~

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

**FINAL APPROVAL**

Date 5/23/02

[Signature]  
Thomas Boyd, Interim Public Works Director

## 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:** YES

## TEST WELL ADDENDUM

### General

10. Permittee shall obtain a well permit from the County of Riverside, Health Services Agency, Department of Environmental Health. A copy of the County permit shall be incorporated into this 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, maintain, monitor, remove and close test well(s) for the purpose of Ground Water Monitoring.
- 10b. Permittee agrees to make the results of sampling available to the City.
- 10c. 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).
- 10d. Permittee shall inspect each well site at least once each month to insure that the lock is locked and not broken.

### Well Construction

- 10e. The test well(s) shall be constructed as shown on the attached exhibits.
- 10f. 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.
- 10g. 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. Permittee's contractor shall be responsible for implementing the required traffic control and safety measures as approved by the City Traffic Engineer.
- 10h. It shall be Permittee's responsibility to determine the location and 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.

**NOTE: SEWER AND STORM DRAIN FACILITIES ARE NOT MARKED AS PART OF THE DIG ALERT PROGRAM. IT IS THE RESPONSIBILITY OF THE APPLICANT TO DETERMINE THE ACTUAL LOCATION OF THESE FACILITIES.**

DATE: 6/13/02

  
\_\_\_\_\_  
APPLICANT or REPRESENTATIVE

- 0i. 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. In all other areas drilling will not commence prior to 8:30 am and continue no later than 3:30 pm.
- 0j. During the period of well installation, Permittee's contractor shall keep the site supervised continuously from the beginning of drilling operations 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.

- 10k. Upon completion of installation, Permittee shall provide to the City an as-built plan showing the exact location of the well(s).

### Well Closure

- 10l. 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 10m below. This permit may then be revised to apply to a new approved site.
- 10m. 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. Upon closure, Permittee shall provide to the City an as-built plan of the closed well(s).
- 10n. 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. 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.

### Well Monitoring

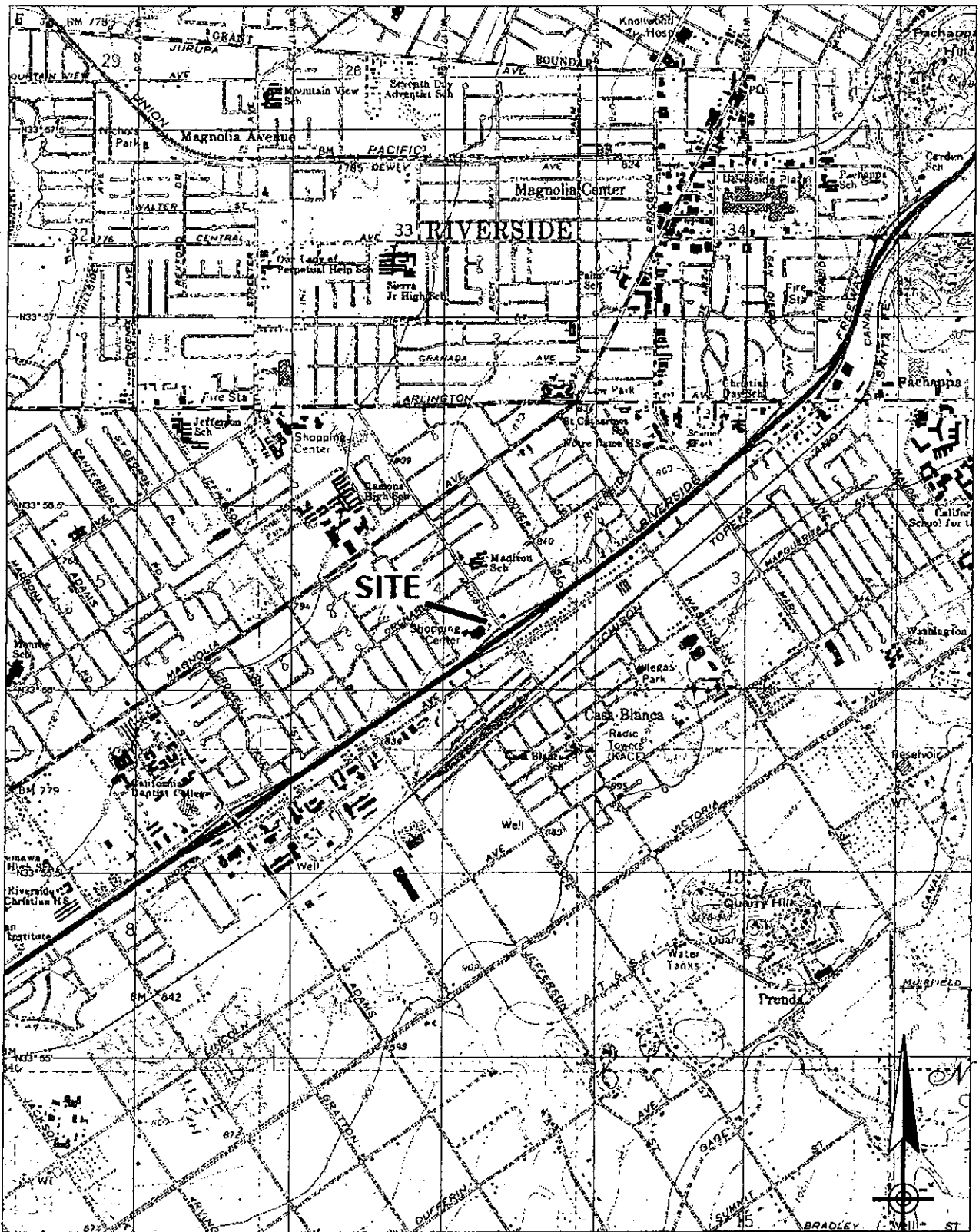
- 10o. Prior to periodic monitoring and ground water sampling Permittee must contact TRAFFIC ENGINEERING for review and approval of traffic control or lane closures.  
Traffic Engineering (909) 782-5366.
- 10p. Permittee must notify PUBLIC WORKS INSPECTION 48 hours in advance of the anticipated date and time of all ground water sampling requiring traffic control or lane closures. Refer to Street Opening Permit No. \_\_\_\_\_.  
Public Works Inspection (909) 782-5341.

( SEE NEXT PAGE )

### Electric Utility Requirements

V. Bazel, May 22, 02

We do have an underground utility feeder duct system located in the south side of the street, approximately 24 feet from the center line. These facilities could affect the proposed well site at location MW-11. As for the second proposed well site located at MW-12, there doesn't seem to be any conflicts with the electric utility facilities. I would suggest you have the underground facilities located by Underground Service Alert (U.S.A.) for both sites before digging at the proposed well sites. Please call me at X-5830 if you have any questions.



3-D TapeQuad, Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS

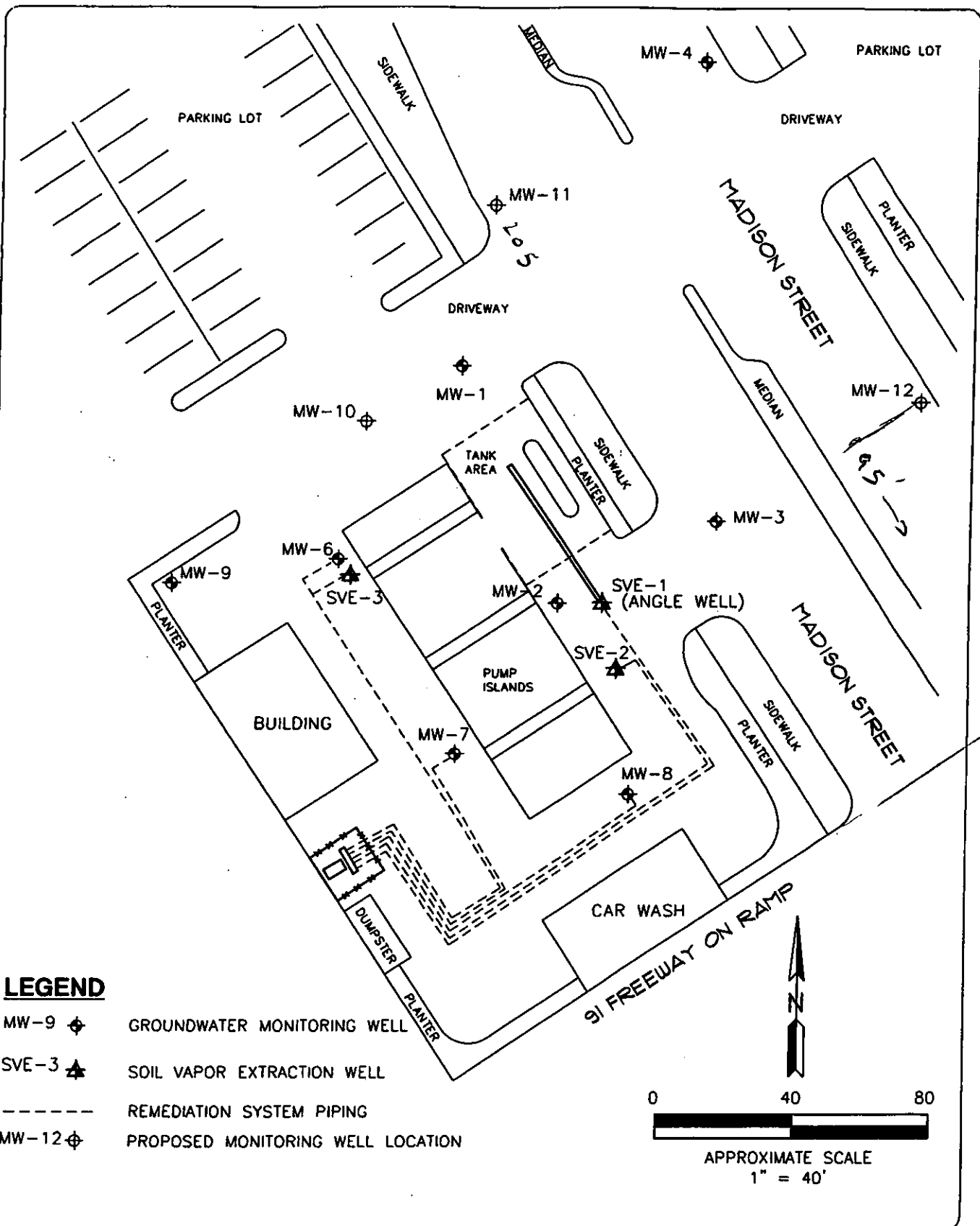
742 R Scale: 1 : 25,000 Detail: 1:3 Datum: WGS84

**K**  
**KLEINFELDER**  
 1940 Orange Tree Lane  
 Redlands, CA 92374

**ExxonMobil Oil Corp.**  
 Project: 56-4007-05  
 File Name: 56-4007-05  
 Date: 01/02

**SITE VICINITY MAP**  
 Mobil Service Station No. 18-182  
 3480 Madison Street  
 Riverside, California 92504

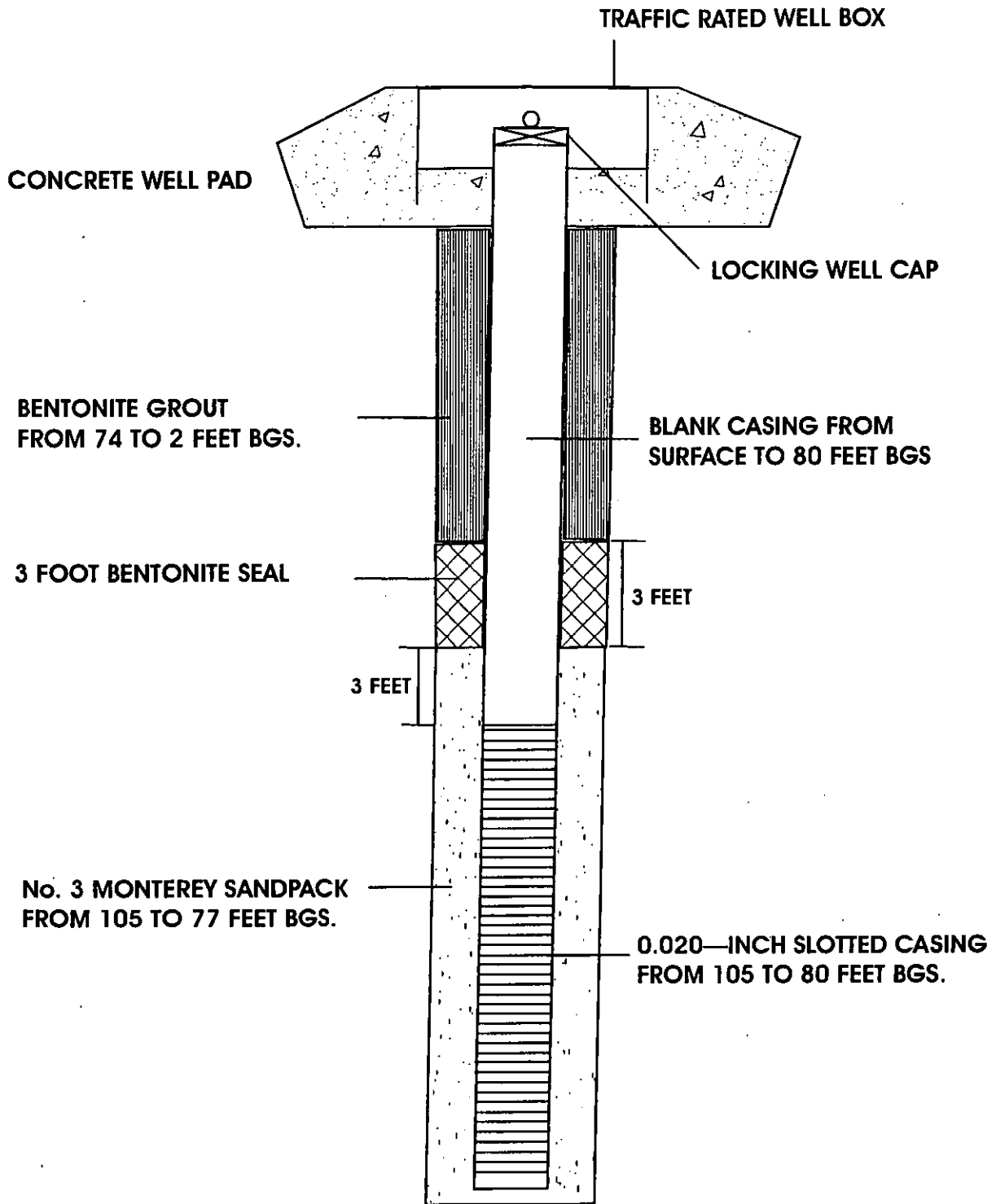
**FIGURE**  
**1**



KLEINFELDER, INC.  
1940 ORANGE TREE LANE, SUITE 100  
REDLANDS, CALIFORNIA 92374  
PROJECT: 56-4007-05      FEBRUARY 2002

**PROPOSED WELL LOCATIONS**  
MOBIL STATION NO. 18-182  
3480 MADISON STREET  
RIVERSIDE, CALIFORNIA 92504

FIGURE  
**3**



NOT TO SCALE



**KLEINFELDER**  
1940 Orange Tree Lane  
Redlands, CA 92374

**ExxonMobil Oil. Corp.**  
**56-4007-05**

File Name: 182 Well Diagram  
Date: 01/02

**WELL CONSTRUCTION DIAGRAM**  
3480 Madison Street  
Riverside, California

**FIGURE**

**4**



## Site Description

The site is currently an operating Mobil service station located at the southwest corner of the intersection of Madison Street and State Highway 91 in a commercial land use area of the City of Riverside, California (Figure 1).

## Proposed Scope of Work

The proposed scope of work consists of drilling and installing one on-site groundwater monitoring well MW-10, and two off-site groundwater monitoring wells MW-11 and MW-12 (Figure 3). Soil borings will be advanced to approximately 105 feet bgs. Lateral extent borings MW-11 and MW-12 will be completed as groundwater monitoring wells for purposes of further assessing the off-site dissolved phase plume to the north and northeast of the site. Proposed locations for all groundwater monitoring wells are presented in Figure 3 – *Proposed Well Locations*.

Drilling will be performed with a Central Mining Equipment CME-75 or comparable drill rig using an 10-inch, outside diameter (OD), hollow stem auger. Drill cuttings and wash water will be placed in Department of Transportation (DOT) approved 55-gallon drums and temporarily stored on-site pending results of laboratory analyses. Drill cuttings and wash water will be transported from the site for disposal at a State-approved facility within 90 days of generation.

Well borings MW-11, and MW-12 will be completed as groundwater monitoring wells. Four-inch OD schedule 40 PVC screen with 0.020-inch slots will be placed from approximately 80 to 105 feet bgs. Four-inch OD schedule 40 PVC blank casing will be placed from 80 feet bgs to ground surface. A filterpack consisting of No. 3 Monterey sand will be placed from total depth to three feet above the top of the screen. The interval from the top of the sand to two feet bgs will be sealed with hydrated bentonite. The wells will be completed from two feet bgs to ground surface with concrete and a flush-mounted, traffic-rated well box. The wells will be developed by the surge and bail method and initial groundwater samples will be collected after development. The top of casing of the well will be surveyed to a known point relative to means sea level. A monitoring well construction diagram is presented as Figure 4.

The proposed groundwater monitoring wells, MW-11, and MW-12, will be included in the existing quarterly groundwater monitoring and sampling program.



"People Serving  
People"

# CITY OF RIVERSIDE



May 24, 2002

## Applicant / Representative

**Encroachment Permit:** 3480 Madison Street

Attached is the Encroachment Permit you have applied for. **It is invalid at this time.** Please review the permit with your client and verify it is correct and properly depicts the encroachment type and area. Also review the standard and special conditions. Compliance with all conditions are mandatory. Failure to abide by all the conditions can result in the revocation of your permit.

After reviewing all conditions please have the applicant sign and date the permit in the spaces provided and return the permit together with the required processing fee of \$110.00 and a well closure deposit of \$1000.00 per well.

**IT WILL NOT BE VALID UNTIL RETURNED AND POSTED IN THE CITY RECORDS.**

PLEASE NOTE THAT IN ADDITION TO THE ABOVE YOU MUST COMPLETE THE FOLLOWING PRIOR TO CONSTRUCTION:

Obtain a Well Drilling Permit from the County of Riverside, Environmental Health Dept prior to obtaining a Street Opening Permit.

Obtain a Street Opening Permit from the City of Riverside.

Should you have any questions please call. I can be reached at (909)826-5347.

Sincerely,

Mark S. Brown,  
Surveyor

## PUBLIC WORKS DEPARTMENT

3900 MAIN STREET • RIVERSIDE, CALIFORNIA 92522 • (909) 826-5341  
FAX: (909) 826-5542 • [www.riverside-ca.org](http://www.riverside-ca.org)

# WELL DRILLING PERMIT

26122

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

Date May 1, 2002

Expiration Date 10-30-02

Fee \$64.96  
(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. 4 ; T 3S ; R 5W

PHYSICAL ADDRESS OF WELL 3480 Madison Street Community Riverside  
APN: 230-090-006 Mobil #18-182 MW-11

NAME Exxon Mobil Oil Corp.

DRILLER THF Drilling Inc.  
9431 Resenda Avenue  
Fontana, ca. 92335

MAILING ADDRESS 3700 West 190th Street, TPT-2

CITY & STATE Torrance, Ca. 90509-2929

By *Charlene Robbins*  
Charlene Robbins

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PHYSICAL ADDRESS OF WELL 3480 Madison Street Community Riverside

APN: 230-090-006 Mobil #18-182 MW-12

NAME Exxon Mobil Oil Corp. DRILLER THF Drilling Inc.

9431 Resenda Avenue

MAILING ADDRESS 3700 West 190th Street, TPT-2

Fontana, ca. 92335

CITY & STATE Torrance, Ca. 90509-2929

By Charlene Robbins  
Charlene Robbins