

ENCROACHMENT PERMIT

Ground Water Monitoring Well

City of Riverside - Public Works Dept.

951-826-5341

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.

Owner: SCHULZ DAVID CARL
Location: 3950 TYLER ST RIVE
A.P.N.: 143-162-021

Encroachment: Install 1 Monitoring Well in Cochran Ave

The above-described encroachment being shown on Exhibit A attached hereto.

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

Date: 10/21/04

By: Tom Bailey - Stratus

Date: 10/25/04

By: USA

Applicant

USA PETROLEUM
30101 AGOURA COURT #200
AGOURA HILLS CA
91301
818-865-9200

Contractor/Developer

STRATUS ENVIRONMENTAL
6481 ORANGETHORPE AVE #8
BUENA PARK, CA
90620
714-670-2083

ENCROACHMENT PERMIT APPROVAL

This permit has been reviewed and approved by the Departments listed below provided the attached terms and conditions are adhered to:

P/W ENGINEERING
P/W TRAFFIC
P/U WATER
P/U ELECTRIC
PLANNING

FINAL APPROVAL

Date: 9/29/04

BSU
Public Works Director

THIS PERMIT IS NOT VALID UNTIL ISSUED AND POSTED IN CITY RECORDS

Issued by: [Signature]

Dated by: 11/1/04



ENCROACHMENT PERMIT NO. PW04-0744

PSTD



City of Riverside

The following are requirements that need to be met for your permit #PW04-0744 .

- 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: Permittee 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. 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.
- 10: 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.
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

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.

10i. 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 3:30 pm. Local Access must be maintained at all times.

Work hrs
8:30 - 3:30

10j. 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.

\$1,000 Deposit/WELL

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 (951) 826-5366.

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 (951) 826-5341.



1 inch = 100 feet

Symbology

- Structure Outline
- Curb face
- Edge of Pavement
- Unpaved Roadway
- Edge of Pavement / Berm
- Edge of Sidewalk
- ROW Line
- Parcel Line
- Assessor Parcel Line
- Project Limits Boundary
- Street Centerline
- Private Street Centerline
- Proposed Street Centerline
- Easement Line
- Restricted Access
- Easement Line
- Storm Drain
- Storm Drain Inlet
- Storm Drain Manhole
- Storm Drain Lift Station
- Sewer Main
- Sewer Force Main
- Sewer Siphon
- Sewer Lateral
- Sewer Lateral (Unknown Position)
- Sewer Cleanout
- Sewer Manhole
- Sewer Lift Station
- Sewer Plant
- Sewer End of Line

MW-14 ~~14~~ Proposed well

Map Produced on:
October 03, 2003

Aerial photos taken April 1998. The City of Riverside makes no warranty on the accuracy or content of the data shown on this map. This map shall not be reproduced or distributed. © Copyright 2003, City of Riverside, California Printed by: ESHARON

Vacant lot

WELL CONSTRUCTION DETAILS

STRATUS
ENVIRONMENTAL, INC.

BORING/ WELL NO.: MW-14

PROJECT NUMBER: 1007-3950
PROJECT NAME: USA #241
COUNTY: RIVERSIDE
WELL PERMIT NO.:

TOP OF CASING ELEVATION: _____
GROUND SURFACE ELEVATION: _____
DATUM: _____
INSTALLATION DATE: _____

EXPLORATORY BORING

- a. Total depth: 45 feet
 - b. Diameter: 8 inch
- Drilling method: Hollow Stem Auger

WELL CONSTRUCTION

- c. Total casing length:
Material: SCH 40 PVC
- d. Diameter: 2 inch
- e. Depth to top perforations: 25 feet
- f. Perforated length: 20 feet
Perforated interval from 25 to 45 ft.
Perforation type: Machine Slotted
Perforation size: 0.01 inch
- g. Surface seal: 0-1 foot
Seal material: Concrete
- h. Backfill: 1-20 feet
Backfill material: Bentonite Grout
- i. Seal: 20-23 feet
Seal material: Bentonite Chips
- j. Gravel pack: 23-45 feet
Pack material: #2/12 Sand

