

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles, California 90013

**FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
CHEVRON EMC
(FORMER UNOCAL SERVICE STATION NO. 5894)**

**(NPDES NO. CAG834001, SERIES NO. 25)
CI-7816**

FACILITY ADDRESS

5656 Crest Road
Rancho Palos Verdes, CA 90275

FACILITY MAILING ADDRESS

145 S. State College Boulevard
Brea, CA 92821

PROJECT DESCRIPTION:

Chevron EMC (Discharger) operates a groundwater treatment system at 5656 Crest Road, Rancho Palos Verdes (See Figure 1 for the site location). The primary contaminants in groundwater beneath the site include total petroleum hydrocarbons, benzene, and methyl tertiary butyl ether. The treatment system includes a bag filter, air stripping unit, and two granulated activated carbon (GAC) vessels connected in series (See Figure 2 for treatment process). The treated groundwater from the site is discharged into a nearby storm drain under the General NPDES Permit CAG834001, Order No. R4-2002-0125. On June 4, 2007, the Discharger completed the Notice of Intent Form to continue enrollment under the general NPDES permit. Order No. R4-2007-0021 supersedes Order No. R4-2002-0125 and continues the facility enrollment under the General NPDES permit.

VOLUME AND DESCRIPTION OF DISCHARGE:

Approximately 57,000 gallons per day of groundwater is discharged from the facility to Discharge Point 1 (Latitude: 33° 45' 37", Longitude: 118° 22' 27"). The discharge flows into Altamira Creek, thence to the Pacific Ocean, a water of the United States.

FREQUENCY OF DISCHARGE:

The groundwater discharge will be intermittent for the duration of the treatment system operation.

REUSE OF WATER:

Offsite disposal of treated groundwater is not feasible due to high cost of disposal. Due to the large volume of groundwater that is generated, it is not feasible to discharge the treated groundwater to the sanitary sewer system. Since there are no feasible reuse options, the groundwater is discharged into the storm drain in compliance with the requirements of the attached order.

August 17, 2007

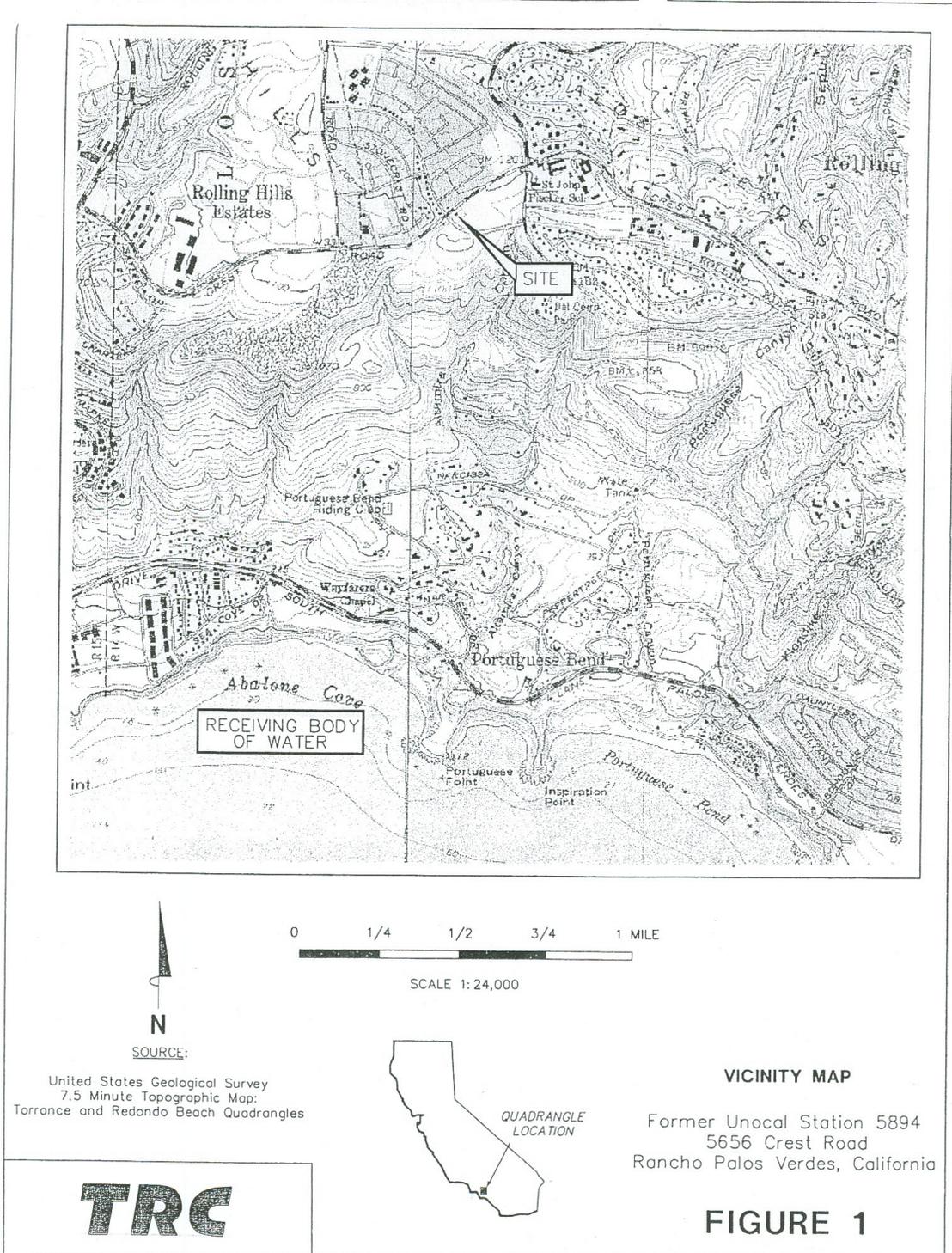
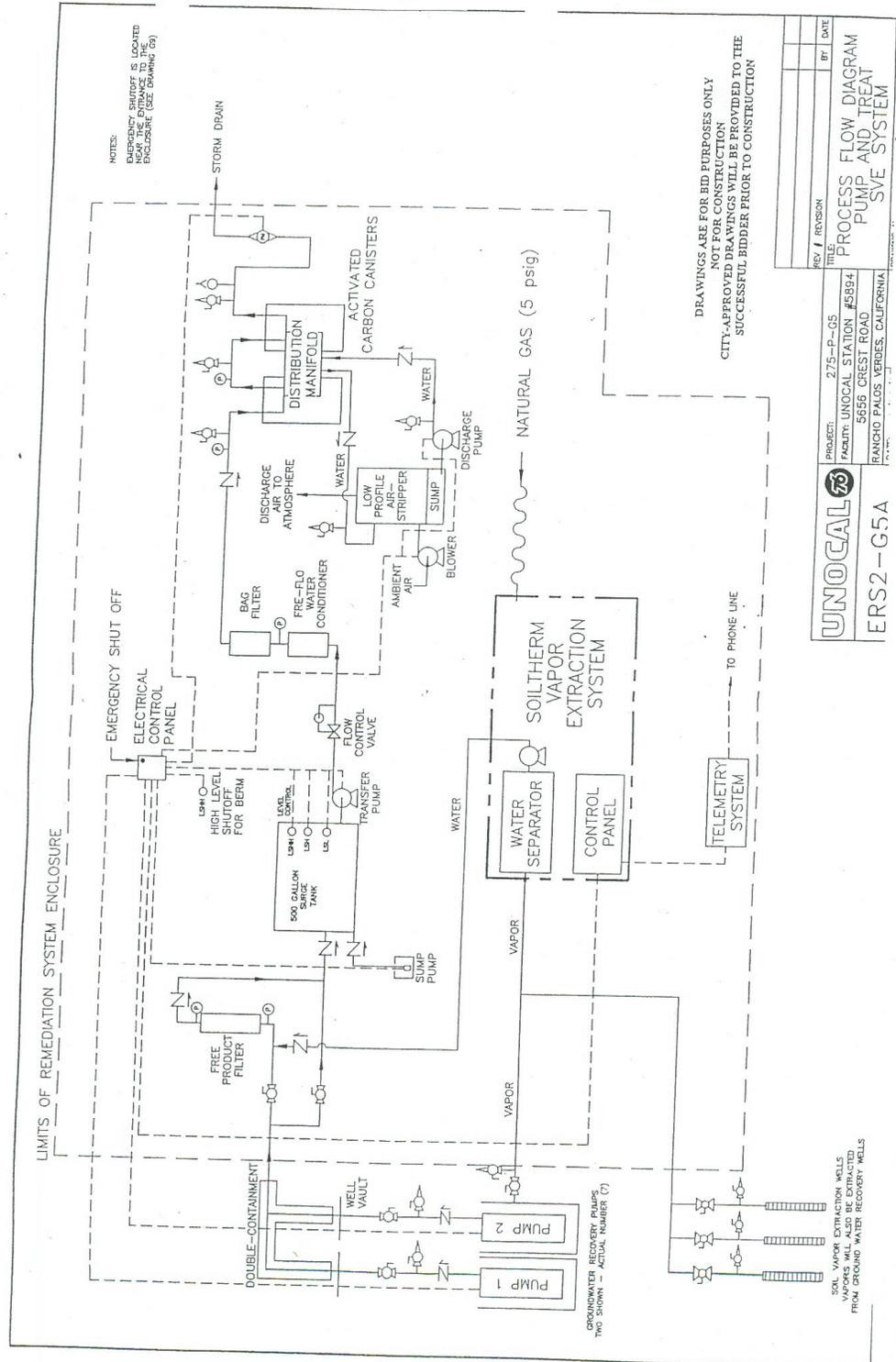


FIGURE 2



DRAWINGS ARE FOR BID PURPOSES ONLY
NOT FOR CONSTRUCTION
CITY-APPROVED DRAWINGS WILL BE PROVIDED TO THE
SUCCESSFUL BIDDER PRIOR TO CONSTRUCTION

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|---|-----------|
| REV / REVISION | BY / DATE |
| PROJECT: 275-P-G5 | |
| FACILITY: UNOCAL STATION #5894 | |
| ADDRESS: 5656 CREST ROAD | |
| CITY: RANCHO PALMS, CALIFORNIA | |
| TITLE: PROCESS FLOW DIAGRAM PUMP AND TREAT SVE SYSTEM | |

UNOCAL
ERS2-G5A

SOIL VAPOR EXTRACTION WELLS VAPORS ARE RECOVERED FROM GROUND WATER RECOVERY WELLS