

GETTLER-RYAN INC.

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FAX

Date: 7/7/00
Number of pages including cover sheet: 3

To: **Eva Chu**
**Alameda County Health
Care
Services**

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Fax phone: 510-337-9335
CC: _____

From: Jed Douglas
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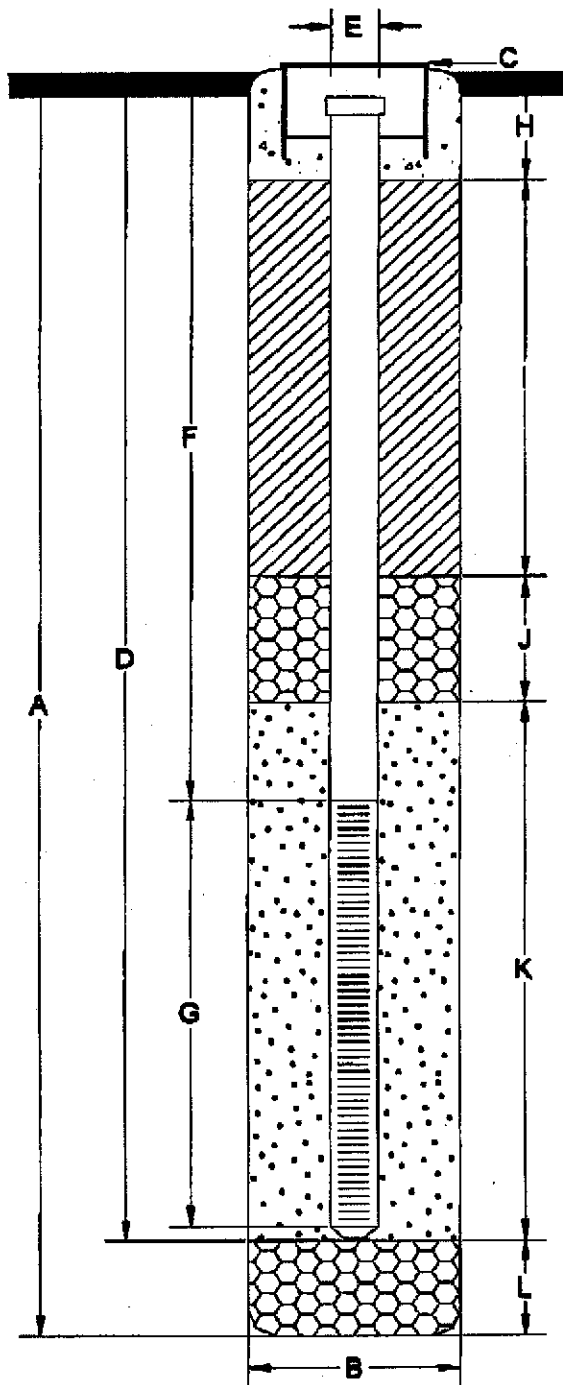
Subject: **Tosco Station No. 4186**
**1771 First Street,
Livermore**

REMARKS: Urgent For your review Reply ASAP As requested

Eva, here is the figure showing the revised proposed groundwater monitoring well locations and the proposed well construction details. Please let me know if the locations are acceptable, Jed

*well should be deeper
screen 20-40' hqs
or 20-45'*

WELL CONSTRUCTION DETAIL



- A Total Depth of Boring 34 ft.
- B Diameter of Boring 8 in.
Drilling Method hollow stem auger
- C Top of Box Elevation to be surveyed ft.
 Referenced to Mean Sea Level
 Referenced to Project-Datum
- D Casing Length 34 ft.
Material schedule 40 PVC
- E Casing Diameter 2 in.
- F Depth to Top Perforations 14 ft.
- G Perforated Length 20 ft.
Perforated Interval from 14 to 34 ft.
Perforation Size 0.02 in.
- H Surface Seal from surface to 1.5 ft.
Seal Material concrete
- I Backfill from 1.5 to 11 ft.
Seal Material neat cement
- J Seal from 11 to 13 ft.
Seal Material hydrated bentonite
- K Gravel Pack from 13 to 34 ft.
Pack Material Lonestar #3 sand
- L Bottom Seal NA ft.
Seal Material NA
- M Traffic-rated, water-resistant, steel well box.
Locking expandable well plug with Tosco lock.

Note: Depths measured from initial ground surface.



Gettler - Ryan, Inc.

6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568

Proposed Groundwater Monitoring Well Details
Tosco Service Station No. 4198
1771 First Street
Livermore, California

FIGURE

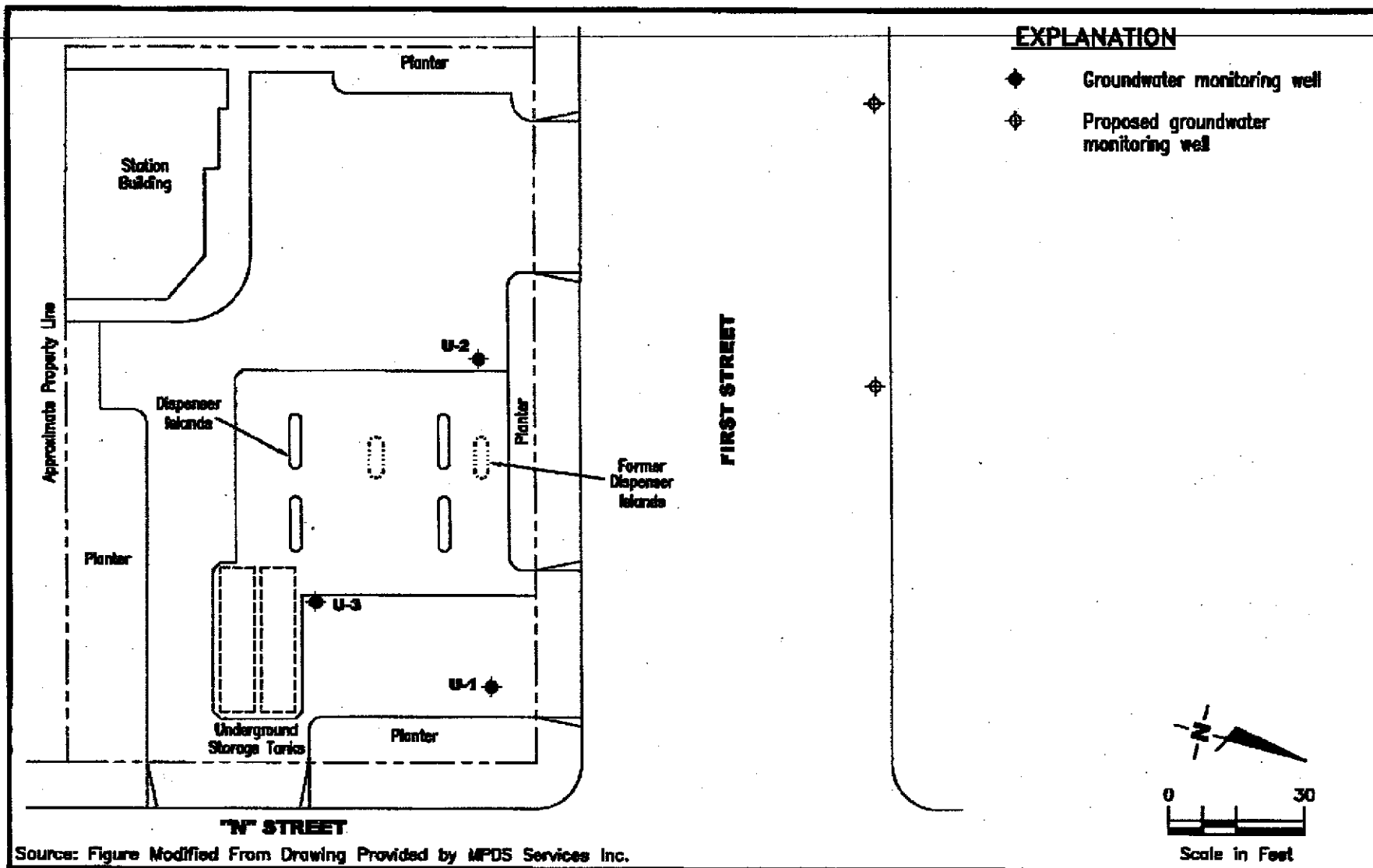
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JOB NUMBER
140175.05

REVIEWED BY DATE
7/00

REVISED DATE

REVISED DATE



Source: Figure Modified From Drawing Provided by MPDS Services Inc.



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SITE PLAN
 Tosco (Unocal) Service Station No. 4186
 1771 First Street
 Livermore, California

FIGURE
2

JOB NUMBER
 140175

REVIEWED BY

DATE
 6/00

REVISED DATE