

ENCROACHMENT PERMIT

Pursuant to action of the City Council of the City of Riverside at its meeting of October 25, 1966 permission is hereby granted to MOBIL OIL CORPORATION

\_\_\_\_\_ heirs and assigns, hereinafter referred to as "Permittee" to use and occupy the following described property:

That portion of a 15 foot wide sewer easement shown in red on the attached plot plan which is made a part of this permit.

in accordance with the terms hereof.

1. Permittee shall use and occupy the described property only in the manner and for the purposes as follows:

For the installation and maintenance of a 12 foot revolving sign 20 feet high, planters, lights, concrete pad and canopy overhang, all are shown on said attached plat in red, subject to the following special conditions:

- (a) Calculations shall be submitted to the Public Works Department showing that the 20 foot high sign will have no adverse loading characteristics on the proposed sewer line.
- (b) The items which are going to encroach on the existing 15 foot sewer easement shall not be constructed until after the sanitary sewer is installed within the easement.

DESCRIPTION APPROVAL

by *Ernest L. Hunter* 11/15/66 by *HP*  
Surveyor

2. Permittee, by acceptance of the benefits hereunder, acknowledges title to the property to be in the City of Riverside and waives any right to contest the validity of the dedication or grant.

*Posted HB*

*E-161*

3. Permittee acknowledges that the described property is the site of a proposed or planned public improvement and that, accordingly, all rights and privileges of use permitted shall cease and expire upon notice of revocation by the City. Upon the expiration or revocation, Permittee shall within the time prescribed by the City, remove all improvements or obstructions placed, constructed or maintained by the Permittee. If the Permittee fails to abide by the removal order of the City within the time prescribed the City shall have the right to remove and destroy the improvements without reimbursement to the Permittee and the cost of such removal shall be paid by the Permittee to the City of Riverside and shall constitute a debt owed to the City of Riverside.

4. Permittee, by acceptance hereof, waives the right of claim, loss, damage or action against the City of Riverside arising out of or resulting from revocation, termination, removal of the improvements or any action of the City of Riverside, its officers, agents or employees taken in accordance with the terms hereof.

5. Finding and determination by the City Council of the City of Riverside that the Permittee, or his heirs and assigns or successors in interest, are in default of the terms hereunder shall be cause for revocation.

DATED: December 21, 1966

CITY OF RIVERSIDE, a municipal corporation

By A. H. Backstrand Mayor Pro Tempore

Attest Virginia J. Shobeke City Clerk

The foregoing is accepted by:

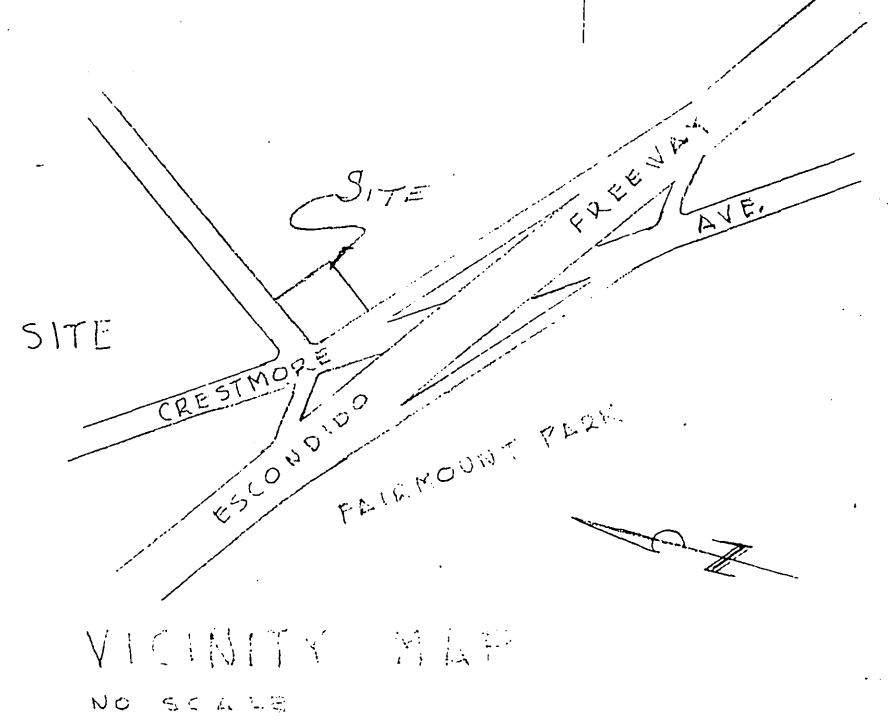
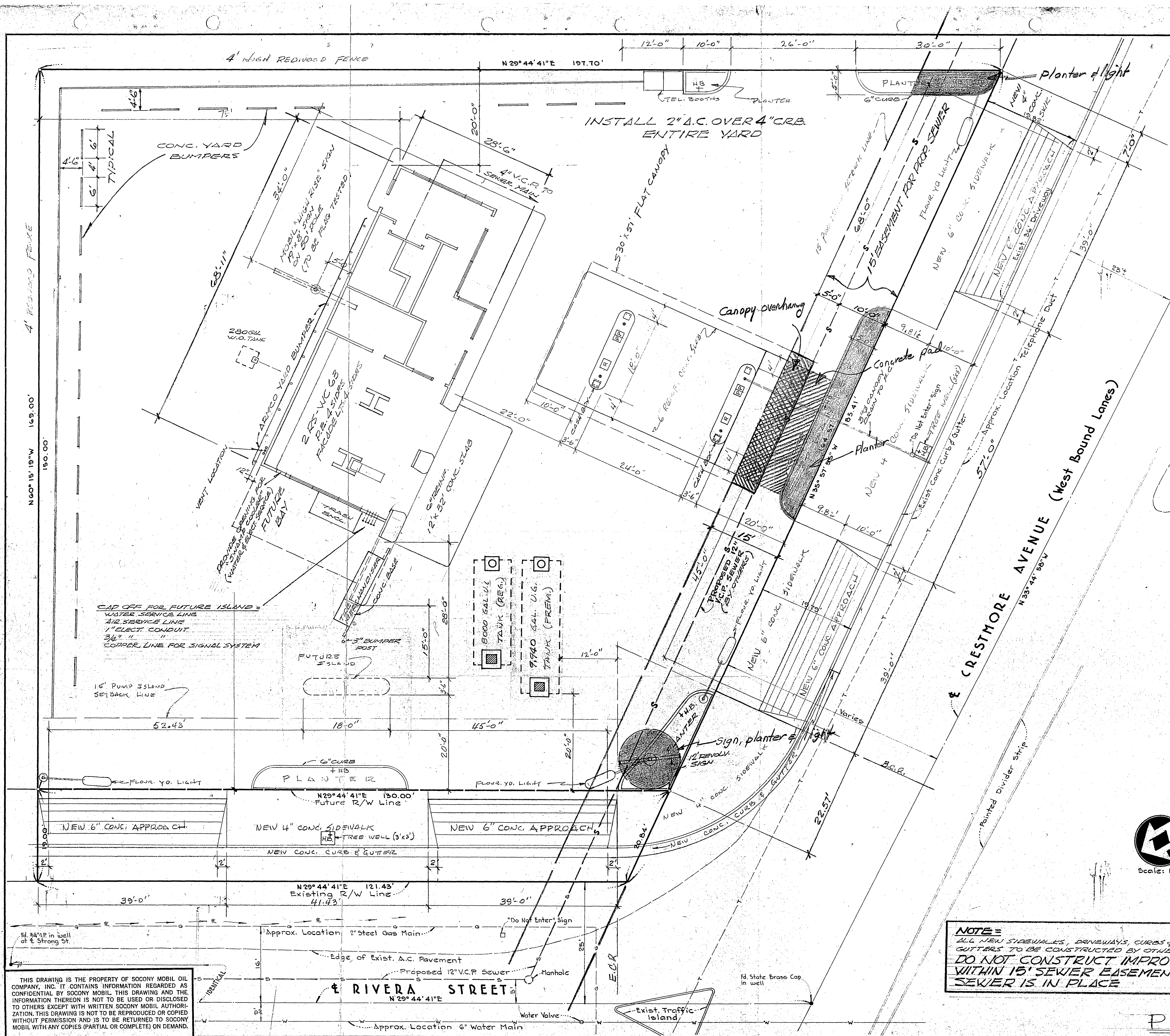
MOBIL OIL CORPORATION

By R. D. Pfaff ATTORNEY IN FACT

By \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

APPROVED AS TO FORM:

John Woodlee  
City Attorney



**PROPERTY DESCRIPTION**

In the City of Riverside, County of Riverside, State of California: That portion of Lot "A" of Rivera Tract, as shown by map on file in Book 10 page 4 of Maps; Riverside County Records, described as follows:

Beginning at a point on the Northwestern line of said Lot "A" North 29° 44' 41" East 22.35 feet from the most Westerly corner of said Lot, said point also being the intersection of the Southeastly line of Rivera Street and the Northeastly line of the Freeway conveyed to the State of California by Deed recorded in book 2616 page 192 of Official Records, Riverside County Records; thence South 35° 57' 55" East on the Northeastly line of said Freeway 185.41 feet; thence North 29° 44' 41" East 197.70 feet; thence North 60° 15' 19" West, 169 feet, to the Southeastly line of Rivera Street; thence South 29° 44' 41" East 121.43 feet on said Southeastly line to the point of beginning.

EXCEPTING therefrom the Northwestern 19.00 feet as conveyed to the City of Riverside by Deed filed for record September 24, 1965 as Instrument No. 109925.

- DUMP ISLAND DATA**
- 7 - SINGLE B'SIS - REGULAR
  - 1 - DUO-1 DISP. - PREMIUM
  - 2 - 2 1/2" REELS
  - 1 - CASH BOX
  - 1 - OIL MERCHANDISER
  - 1 - NO SMOKING SIGN

NO.	DATE	BY	DESCRIPTION	CHK'D	CERT.	APP'D
2	9-16-66	PH	MOVED BLDG. - ADDED CONC. BUMPERS			
1	4-20-66	RWF	COMPLETED PLOT PLAN (PRELIM.)			

**ISSUE**

**SOCONY MOBIL OIL COMPANY, INC.**  
 MOBIL OIL MARKETING DEPARTMENT  
 WEST COAST DIVISION  
 LOS ANGELES, CALIFORNIA

**N.E. CORNER OF CRESTMORE AVENUE AND RIVERA STREET  
 CITY OF RIVERSIDE, CALIFORNIA**

DRAWN BY N.G.M. CHECKED BY J.R.W. SCALE 1" = 10'  
 DATE STARTED April 12, 1966 DATE COMPLETED April 13, 1966

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNLESS CERTIFIED AND DATED

**APPROVALS**

DWG. NO. 10-248357

**NOTE =**  
 ALL NEW SIDEWALKS, DRIVEWAYS, CURBS & GUTTERS TO BE CONSTRUCTED BY OTHERS  
 DO NOT CONSTRUCT IMPROVEMENTS WITHIN 15' SEWER EASEMENT UNTIL SEWER IS IN PLACE

THIS DRAWING IS THE PROPERTY OF SOCONY MOBIL OIL COMPANY, INC. IT CONTAINS INFORMATION REGARDED AS CONFIDENTIAL BY SOCONY MOBIL. THIS DRAWING AND THE INFORMATION THEREON IS NOT TO BE USED OR DISCLOSED TO OTHERS EXCEPT WITH WRITTEN SOCONY MOBIL AUTHORIZATION. THIS DRAWING IS NOT TO BE REPRODUCED OR COPIED WITHOUT PERMISSION AND IS TO BE RETURNED TO SOCONY MOBIL WITH ANY COPIES (PARTIAL OR COMPLETE) ON DEMAND.



Scale: 1" = 10'

PLOT PLAN

C  
O  
P  
Y

December 28, 1966

Mobil Oil Corporation  
P. O. Box 2817  
San Bernardino, California 92406

Attention: H. C. Ericson, Field Engineer

Re: Encroachment Permit  
Rivera and Crestmore  
Your: SS 15-429

Gentlemen:

Enclosed for your files is a fully executed copy of the Encroachment Permit for a sign and other construction in the public right of way at Rivera and Crestmore.

Very truly yours,

J. F. MARTINEK  
Public Works Director

By Ernest Pintor  
ERNEST PINTOR, Surveyor

HLP:JFM:jl  
Enclosure

Public Works Dept.		Initial	Date
Director			
Assistant			
Building			
Traffic			
Airport			
Off. Engr.			
Cap. Proj.			
1941 Act			
Plan. Check			
Res. Div.			
Inspection			
Survey			
Clerical			
File			

Encroachment Permit  
"General"

190-2

CITY OF RIVERSIDE — INTER-OFFICE COMMUNICATION

Public Works Dept.		
	Initial	Info. Action
Director		
Assistant	<i>Wde</i>	
DATE	December 13, 1966	
Traffic		
Airport		
Off. Engr.	<i>Wde</i>	<input checked="" type="checkbox"/>
Cap. Proj.		
1911 Act		
Plan Chk.		
Rt. of W.	<i>H.P.</i>	
Inspection		

TO: Virginia Strohecker, City Clerk

FROM: Ernest Pintor, Surveyor

SUBJECT: Attached are an original and 2 copies of an **Encroachment Permit** for Mobil Oil Corporation, as approved by Council on October 25, 1966, and signed by Mobil Oil Corporation. Note the copy of recorded Power of Attorney for R. D. Pfaff, who executed the permits on behalf of Mobil, which has been attached to your original copy of the permit.

*Encroachment Permit Enclosed*

After execution on behalf of the City, please return the two copies to this office.

HLP:EP:j1  
Attachment

Encroachment Permits  
Journal

Public Works Dept.			
	Initial	Info.	Action
Director			
Assistant	WJF		
Building			
Traffic			
Airport			
Off. Engr.	JPR		
Cap. Proj.			
1911 Act			
Plan Chk.			
Rt. of W.	HP		
Inspection			
Survey	EP		
Clerical			
File			

November 15, 1966

Mobil Oil Corporation  
P. O. Box 2817  
San Bernardino, California 92406

Attention: H. C. Ericson, Field Engineer

Re: Encroachment Permit  
Rivera and Crestmore  
Your: S.S. 15-429

Gentlemen:

Enclosed are an original and 2 copies of the Encroachment Permit as granted by the City Council at their meeting of October 25, 1966.

These should be signed by an appropriate officer of your corporation, whose signature need not be notarized, and all 3 permits returned to this office. Upon execution by the City, a fully signed copy will be sent to you for your files.

If you have any questions on this, feel free to call this office.

Yours very truly

J. F. MARTINEK  
Public Works Director

By Ernest Pintor  
ERNEST PINTOR, Surveyor.

HLP:JFM:jl  
Enclosures

COPY

October 20, 1966

Virginia Strohecker, City Clerk

William D. Gardner, Assistant City Engineer

Request for Encroachment Permit

Attached is a request by Mobil Oil Corporation for an Encroachment Permit for a portion of their new Service Station Site, which is Parcel 1 of Record of Survey 957 located at the northeast corner of Crestmore and Rivera Streets.

This Department recommends approval of this Encroachment Permit subject to the standard form plus the following special conditions:

1. Calculations shall be submitted to the Public Works Department showing that the 20' high sign will have no adverse loading characteristics on the proposed sewer line.
2. The items which are going to encroach on the existing 15' sewer easement shall not be constructed until after the Sanitary Sewer is installed.

COPY

AW:JFM:sc  
Attachment

Public Works Dept.		
	Initial	Info. Action
Director	<i>[Signature]</i>	✓
Assistant	<i>[Signature]</i>	✓
Building		
Traffic		
Airport		
Off. Engr.	<i>[Signature]</i>	✓
Cap. Proj.		
1911 Act		
Plan Chk.	<i>AW</i>	
Rt. of W.		
Inspection		
Survey		
Clerical		✓
<i>Hans</i>	<i>[Signature]</i>	
File		

# Mobil Oil Corporation

P.O. BOX 2817  
SAN BERNARDINO, CALIFORNIA 92408

October 19, 1966

Jim Martinek  
Director of Public Works  
City of Riverside  
Riverside, California

ENCROACHMENT PERMIT  
RECORD OF SURVEY #957  
SS 15-429  
NWC Crestmore & Rivera  
Riverside, California

Dear Sir:

This letter is to serve as application for a permit to encroach upon the 15 foot easement area shown on the accompanying plot plan. The following items will be in this easement area:

Planter & floodlight pole at SE corner of yard.  
Concrete drive pad and planter at property line opposite pump islands.

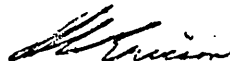
Planter, floodlight and 12' revolving I. D. sign at west corner of yard.

None of these items shall be constructed in the easement area until after the sewer is installed.

If the City deems necessary, the sign footing shall be designed to eliminate any loading on the sewer.

If any further information is necessary, please contact me.

Very truly yours,

  
H. C. Ericson  
Field Engineer

HCE/sj

cc: J. B. Hinton

E-161



WILLIAM G. DRYDEN  
AND ASSOCIATES  
CONSULTING ENGINEERS  
360 WEST 16th STREET • SAN BERNARDINO, CALIFORNIA

SUBJECT SIGN FOR MOBIL OIL  
RIVERA STREET, RIVERSIDE, CALIF.

Reviewed 11/10/66 Ray Thault  
should be no problem with sewer  
you

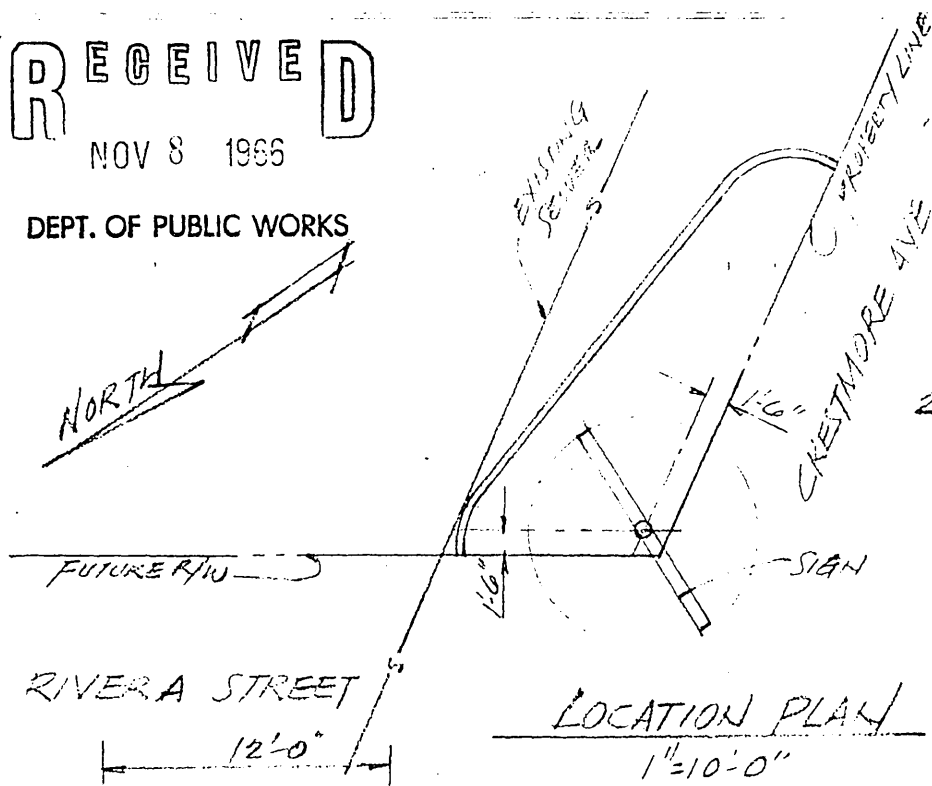
SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_  
JOB NO. 44-66 DATE 11-1-66

DESIGN BY K. B. L. Harry

Phone Area Code 714 886-2914

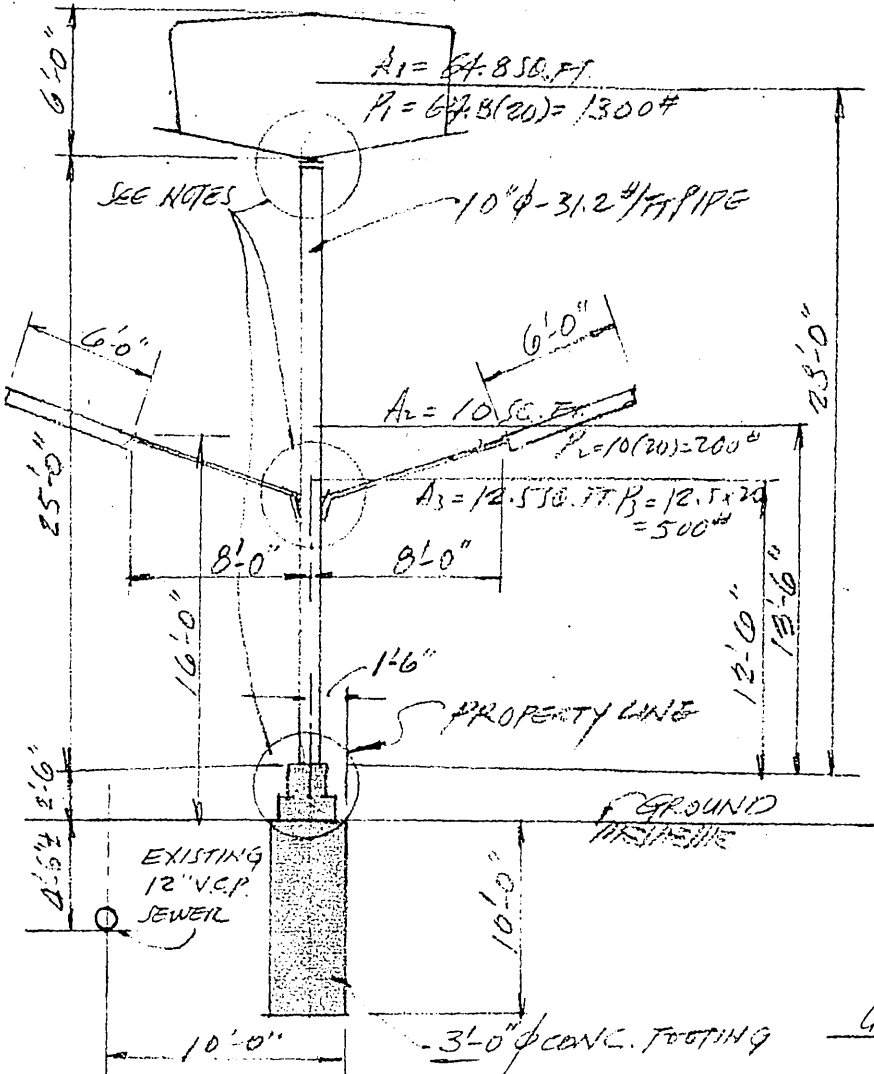
**RECEIVED**  
NOV 8 1966

DEPT. OF PUBLIC WORKS



Ref: Soc. Mobil Oil Co.  
Dwg No SD-17060 for general  
NOTES design of K-25-200  
Rotating Pole Unit by  
F. J. SALMEDI and ASSOC.  
1. LOCATION OF STREET CORNER  
EXISTING CONDITIONS ARE  
TAKEN FROM DRAWING OF  
CITY OF RIVERSIDE, FILE NO.  
64-3089 PROJECT NO. S-651  
SHEET 2  
2. DESIGN NOT SHOWN HERE  
REFERS TO DRAWING NO.  
SD-17060 PREPARED BY  
F. J. SALMEDI R. C. E. FOR  
SOCOBY MOBIL OIL CO., L.A.,  
CALIFORNIA.

LOCATION PLAN  
1" = 10'-0"



SPECIFICATIONS:

CONCRETE:

5 1/2 SACKS OF CEMENT PER  
CUBIC YARD OF CONC.  
4" MAX. SLUMP.

STRUCTURAL PIPE:

PER ASTM A-53 GRADE B

WIND LOADING:

20 PSF

POLE DESIGN:

BASE MOMENT:

$$P_1 = 1300 \# \quad M_1 = 1300(28) = 36,400 \#'$$

$$P_2 = 200 \# \quad M_2 = 200(13.5) = 2,700 \#'$$

$$P_3 = 500 \# \quad M_3 = 500(12.5) = 6,250 \#'$$

$$EP = 2000 \# \quad EA \delta = 45,350 \#'$$

$$EQUIV. HT. = \frac{45,350}{2000} + 2.5 = 25'$$

$$SREQ'D. = .45(45.35) = 20.4 \#'$$

$$USE 10 \phi - 31.2 \#/FT PIPE (.279" WALL)$$

$$S = 23.418 \#'$$

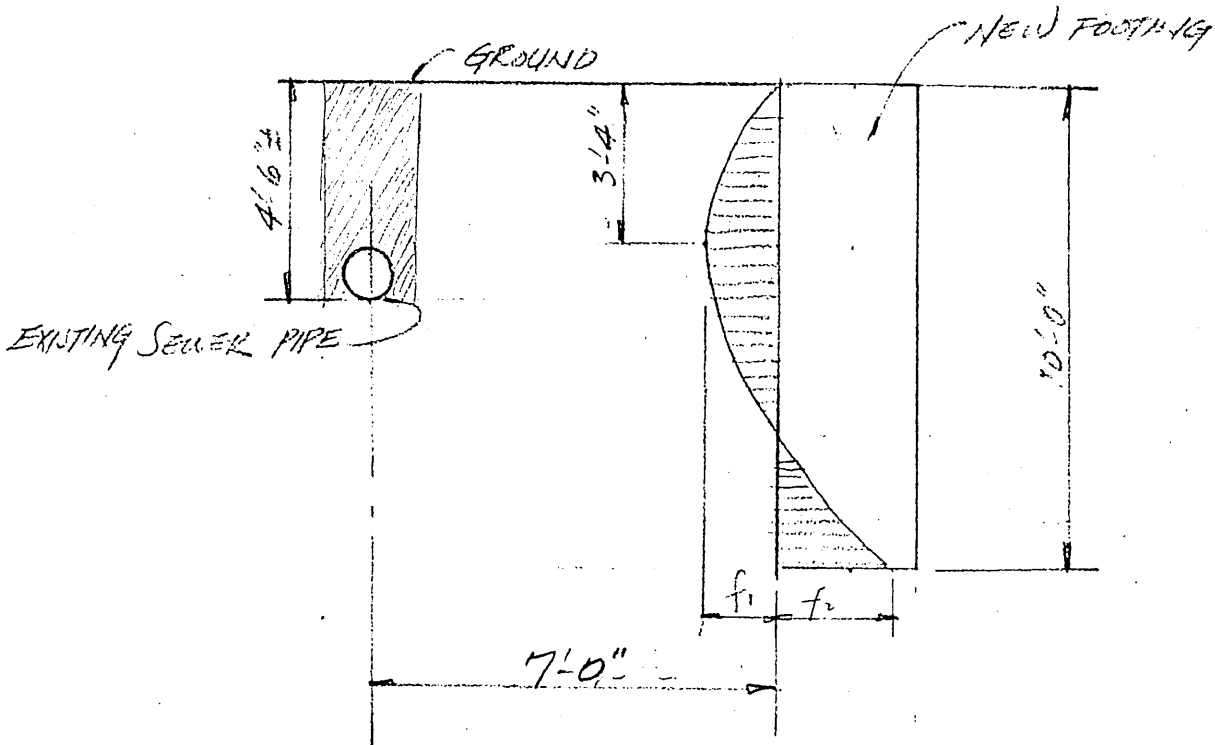
FOOTING DESIGN

TRY 3'-0"  $\phi$  x 10'-0" DEEP FOOTING

$$f_c = \frac{6 \times 2000 (50 + 10)}{3 \times 100} = 2400 \text{ PSF} \quad 2400 / 10 = 240 \text{ \#/S'/FT}$$

$$f_1 = \frac{2.85 \times 2000}{3 \times 10} + 3.17 \times 2400 = 190 + 760 = 950 \text{ PSF} \quad 950 / 3.33 = 285 \text{ \#/S'/FT}$$

ASSUME ALLOWABLE S.P. =  $200 \times 1.33 \times 2 = 533 \text{ \#/S'/FT}$  OK  
USE 3'-0"  $\phi$  x 10'-0" DEEP CONC. FOOTING.



*William G. Dryde*

**SIGN CALCULATIONS**

**POLE CALCULATIONS**

**DESIGN ASSUMPTIONS**  
 WIND FORCE AND WT. OF THE SIGN ASSUMED TO BE DISTRIBUTED EQUALLY BETWEEN UPPER AND LOWER CHORD.

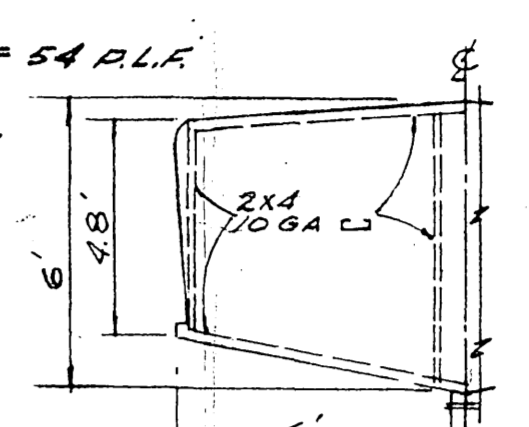
**DESIGN CRITERIA**  
 WIND FORCE - 20 R.S.F.  
 CODES - U.B.C. - L.A. CITY B.C. - AISC MANUAL  
 MATERIALS AND ALLOWABLE STRESSES  
 STEEL - ASTM A-36  $f_y = 20,000$  P.S.I.  
 PIPE - ASTM A-53 GRADE B  
 WELDS - 13,600 P.S.I.  
 LIGHT GA. STEEL - ASTM A-245 GRADE C

**DESIGN OF UPPER AND LOWER CHORD**  
 CANTILEVER - 5'-7"  
 UNIFORM LOAD =  $20 \left( \frac{68.16}{2} \right) \frac{1}{2} = 54$  P.L.F.  
 $M = 54 \times 5.8^2 / 2 = 910$   
 $S = \frac{910 \times 12}{20,000 \times 1.33} = 0.41$  "3 L1.38"  
 USE 2X4 - 10 GA.

**DESIGN OF VERTICAL SUPPORT**  
 $P = 54 \times 6 = 324$   
 $M = 324 \times 6 = 1950$   
 $S = \frac{1950 \times 12}{20,000 \times 1.33} = 0.88$  "3 L1.38"  
 USE 2X4 X 10 GA.

**CENTER CONNECTION TO PIPE**  
 $F_1 = 1950 \times 12 = 5850$   
 $1/8"$  WELD =  $0.125 \times 0.707 \times 13,600 \times 1.33 = 1600$  P.S.I.  
 $L = 5850 / 1600 = 3.7$ "  
 MIN. 4" - 1/8" WELD EACH SIDE

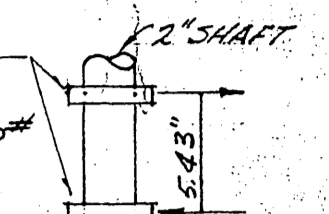
**BOLTS**  
 $F_2 = 2 \times 1950 \times 12 = 5850$  L11,130  
 USE 4 - 1/8"  $\phi$  BOLTS



**SHAFT DESIGN**  
 SIZE OF BEARING SHAFT 2.75 O.D. X 1.00 I.D.  
 $S = 0.098/175 \left( \frac{1^2 - 0.4^2}{2} \right) = 0.098/175 \left( \frac{2.75^2 - 1.0^2}{2} \right) = 2.05$ "  
 $M = 1950 \times 12 = 3900$   
 $f_b = \frac{3900 \times 12}{2.05} = 22,800$  P.S.I.  
 $f_b \text{ ALLOW.} = \frac{120,000}{3} = 40,000 > 22,800$  P.S.I.  
 USE 120,000 P.S.I. STEEL SHAFT

**BEARINGS**  
 $T = \frac{3900 \times 12}{5.43} = 8600$   
 USE TIMKEN BEARINGS DYNAPAC SERIES 200.  
 ALLOWABLE THRUST = 20,640 X 78600

**PIPE COLUMN DESIGN**  
 $P = 54 \times 12 \times 12 = 1300$   
 $H = 17$  'H = 20'  
 $M = 1300 \times 23 = 30,000$   
 $S = \frac{30,000 \times 12}{20,000 \times 1.33} = 13.5$  "3 L1.47"  
 USE B" GRADE B 24.7" PIPE  
 $H = 25$  'H = 28'  
 $M = 1300 \times 28 = 36,400$   
 $S = \frac{36,400 \times 12}{20,000 \times 1.33} = 16.4$  "3 L23.4"  
 USE 10" GRADE B 31.20" PIPE



**FOUNDATION CALCULATIONS**

**LATERAL BEARING VALUES**

h=29.5'	COMPACT GRAVEL LEAN CLAY f = 333 PSF/FT.				COMPACT SAND LOOSE GRAVEL f = 200 PSF/FT.				LOOSE SILTY SAND f = 100 PSF/FT.				SOFT CLAY ORGANIC SILT f = 33 PSF/FT.							
	d	f <sub>1</sub> PSF	f <sub>2</sub> PSF	f <sub>2</sub> ALLOW.	d	f <sub>1</sub> PSF	f <sub>2</sub> PSF	f <sub>2</sub> ALLOW.	d	f <sub>1</sub> PSF	f <sub>2</sub> PSF	f <sub>2</sub> ALLOW.	d	f <sub>1</sub> PSF	f <sub>2</sub> PSF	f <sub>2</sub> ALLOW.				
h=29.5'	6.5	1820	1920	5120	5750	7.5	1304	1333	3910	4000	10	838	890	2280	2666	15	428	440	1090	1320
h=21.5'	6.0	1631	1775	4500	5320	7.0	1246	1250	3370	3740	9.0	809	800	2120	2400	13.5	414	395	1020	1185
h=16.5'	5.5	1544	1630	4160	4880	6.5	1170	1160	3090	3470	8.5	745	755	1890	2260	18.0	375	380	885	1140

**FOUNDATION**  
 COMPACT GRAVEL, LEAN CLAY h=29.5' b=3' DIA  
 $f_{\text{ALLOW.}} = 333$  PSF/FT.  
 $f_2 = \frac{7.62 \times (29.5 + d)}{3 \times 7.5} = \frac{7.62 \times (300 + 29.5 + 6.5)}{3 \times 7.5} = 5120$  PSF  
 $f_2 \text{ ALLOW.} = 2 \times 333 \times 6.5 \times 1.33 = 5750 > 5120$  PSF  
 $f_1 = \frac{2.85 \times P}{b \times d} + 0.317 \times f_2 = \frac{2.85 \times 1300}{3 \times 6.5} + 0.317 \times 5120 = 1820$  PSF  
 $f_1 \text{ ALLOW.} = 5750/3 = 1920 > 1820$  PSF

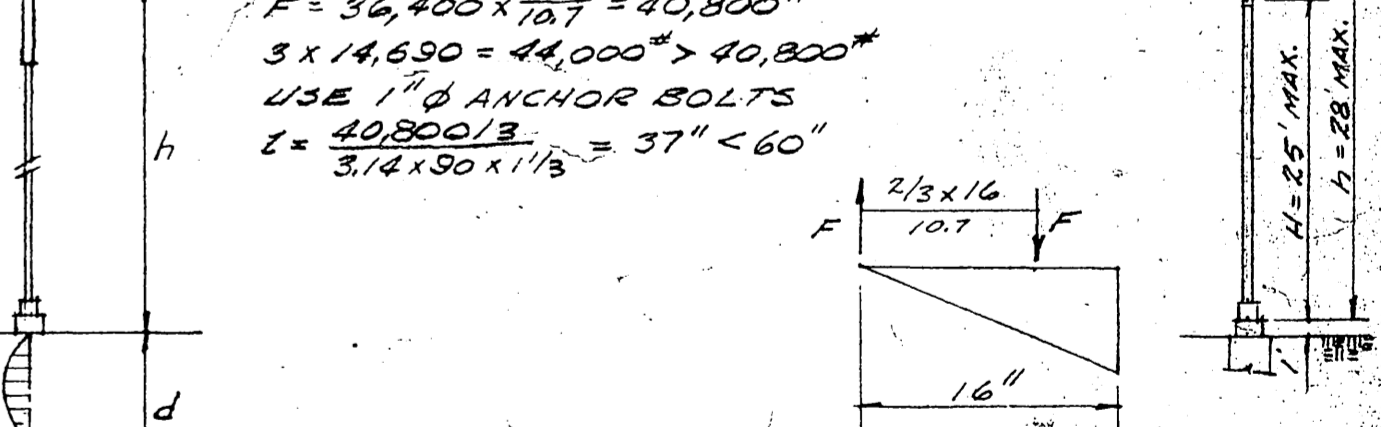
COMPACT SAND, LOOSE GRAVEL f = 200 PSF  
 b = 3' DIA. d = 7.5' h = 29.5'  
 $f_2 = \frac{7.62 \times (300 + 29.5 + 7.5)}{3 \times 7.5} = 3910$  PSF  
 $f_2 \text{ ALLOW.} = 2 \times 200 \times 7.5 \times 1.33 = 4000 > 3910$  PSF  
 $f_1 = \frac{2.85 \times 1300}{3 \times 7.5} + 0.317 \times 3910 = 1304 < 1333$  PSF

LOOSE SILTY SAND, f = 100 PSF  
 b = 3' DIA. d = 10.0' h = 29.5'  
 $f_2 = \frac{7.62 \times (300 + 29.5 + 10.0)}{3 \times 10} = 2280$  PSF  
 $f_2 \text{ ALLOW.} = 2 \times 100 \times 10 \times 1.33 = 2666 > 2280$  P.S.F.  
 $f_1 = \frac{2.85 \times 1300}{3 \times 10} + 0.317 \times 2280 = 838 < 890$  P.S.F.

SOFT CLAY, ORGANIC SILT f = 33 PSF  
 b = 3' DIA. d = 15' h = 29.5'  
 $f_2 = \frac{7.62 \times (300 + 29.5 + 15)}{3 \times 15} = 1090$  PSF  
 $f_2 \text{ ALLOW.} = 2 \times 33 \times 15 \times 1.33 = 1320 > 1090$  PSF  
 $f_1 = \frac{2.85 \times 1300}{3 \times 15} + 0.317 \times 1090 = 428 < 440$  P.S.F.

**CAISSON REINFORCEMENT**  
 $A_s = \frac{36,400 \times 12}{16,000 \times 1/3 \times 23} = 0.89$  SQ. IN.  
 USE 8 - #6 BARS WITH #3 TIES @ 18" C.C.

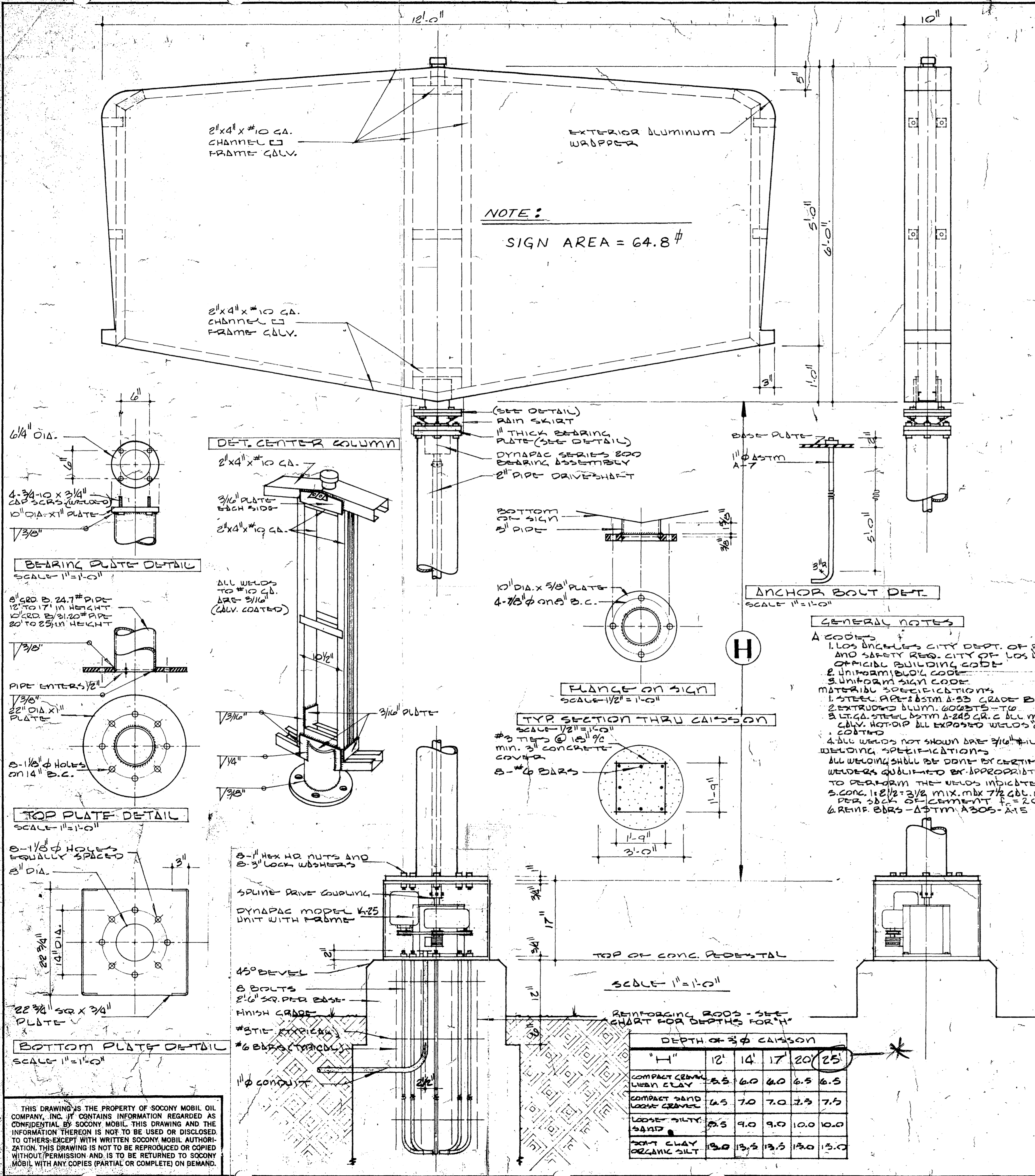
**ANCHOR BOLTS**  
 $M_{\text{MAX.}} = 1300 \times 28 = 36,400$  #  
 $F = \frac{36,400 \times 12}{10.7} = 40,800$   
 $3 \times 14,650 = 44,000 > 40,800$   
 USE 1"  $\phi$  ANCHOR BOLTS  
 $L = \frac{40,800 \times 12}{3 \times 14,650} = 37" < 60"$



NO.	DATE	BY	DESCRIPTION	CHK'D	CERT	APP'D
<b>ISSUE</b>						
<b>SOCONY MOBIL OIL COMPANY, INC.</b> MOBIL OIL MARKETING DEPARTMENT WEST COAST DIVISION LOS ANGELES, CALIFORNIA						
6x12' ROTATING MOBIL PLASTIC SIGN AND CALC'S DYNAPAC K-25-200 ROTATING POLY UNIT AND CALC'S						
DRAWN BY: F. J. SALMEN			CHECKED BY: J. SALMEN		SCALE NOTE: DATE STARTED: DATE COMPLETED: DEC. 64	
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNLESS CERTIFIED AND DATED						CERTIFIED AND DATED: 2-16-65
F. J. SALMEN AND ASSOCIATES						ISSUE NO.:
DWG. NO. SD-17060						E-161

RECEIVED  
 NOV 8 1966  
 DEPT. OF PUBLIC WORKS

F. J. Salmen  
 R.C.E. 12/14



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