

# CITY PLANNING COMMISSION

927 - 10th Street, Suite 300 -SACRAMENTO, CALIFORNIA 95814

APPLICANT	Diamond Signs Inc., 2001 Tarob Court, Milpitas, CA 95035		
OWNER	Treetops Unlimited, 600 W.N. Market Blvd., Sacramento, CA 95834		
PLANS BY	Diamond Signs Inc., 2001 Tarob Court, Milpitas, CA 95035		
FILING DATE	9.20.83	50 DAY CPC ACTION DATE	REPORT BY: JP:lao
NEGATIVE DEC	EIR	ASSESSOR'S PCL. NO.	274-060-2200

APPLICATION: Special Permit to erect a 4' x 8', 12-foot high off-site, non-illuminated temporary subdivision directional sign (Sign Ordinance Section 3.194)

LOCATION: Northeast corner of Truxel Road and Garden Highway

PROPOSAL: The applicant is requesting the necessary entitlements to erect an off-site directional sign for the Discovery Point Subdivision.

PROJECT INFORMATION:

1974 General Plan Designation: Residential  
1978 South Natomas Community Plan Designation: Residential - 12 to 21 units per acre average

Existing Zoning of Site: R-3-R  
Existing Land Use of Site: Condominium development under construction

Surrounding Land Use and Zoning:  
North: Shopping Center under construction; SC-R  
South: Vacant; A-R-P-F  
East: Vacant; R-1-A and R-3-R  
West: Vacant; R-2-B-R and A

Property Dimensions: Irregular  
Property Area: 22.94+ acres  
Sign Dimensions: 4' x 8' (32 square feet)  
Sign Height: 12'  
Sign Material: Douglas Fir  
Sign Colors: Yellow, Gold, Brown and Blue

STAFF EVALUATION: Staff has the following comments regarding this proposal:

1. The applicant proposes to erect a 32 square foot, 12 foot high off-site, non-illuminated temporary subdivision directional sign on the subject site for the Discovery Point subdivision (Exhibits A-C). Discovery Point is located on the south side of San Juan Road, approximately two miles from the subject site (see Location Map).

The Sign Ordinance specifies that the Planning Commission may issue a Special Permit for a temporary sign in any zone in connection with the marketing of lots or structures in a subdivision. The Ordinance further specifies that said sign must comply with all applicable setback requirements for the zoning district in which the property is located and that the time limit for the sign is one year.

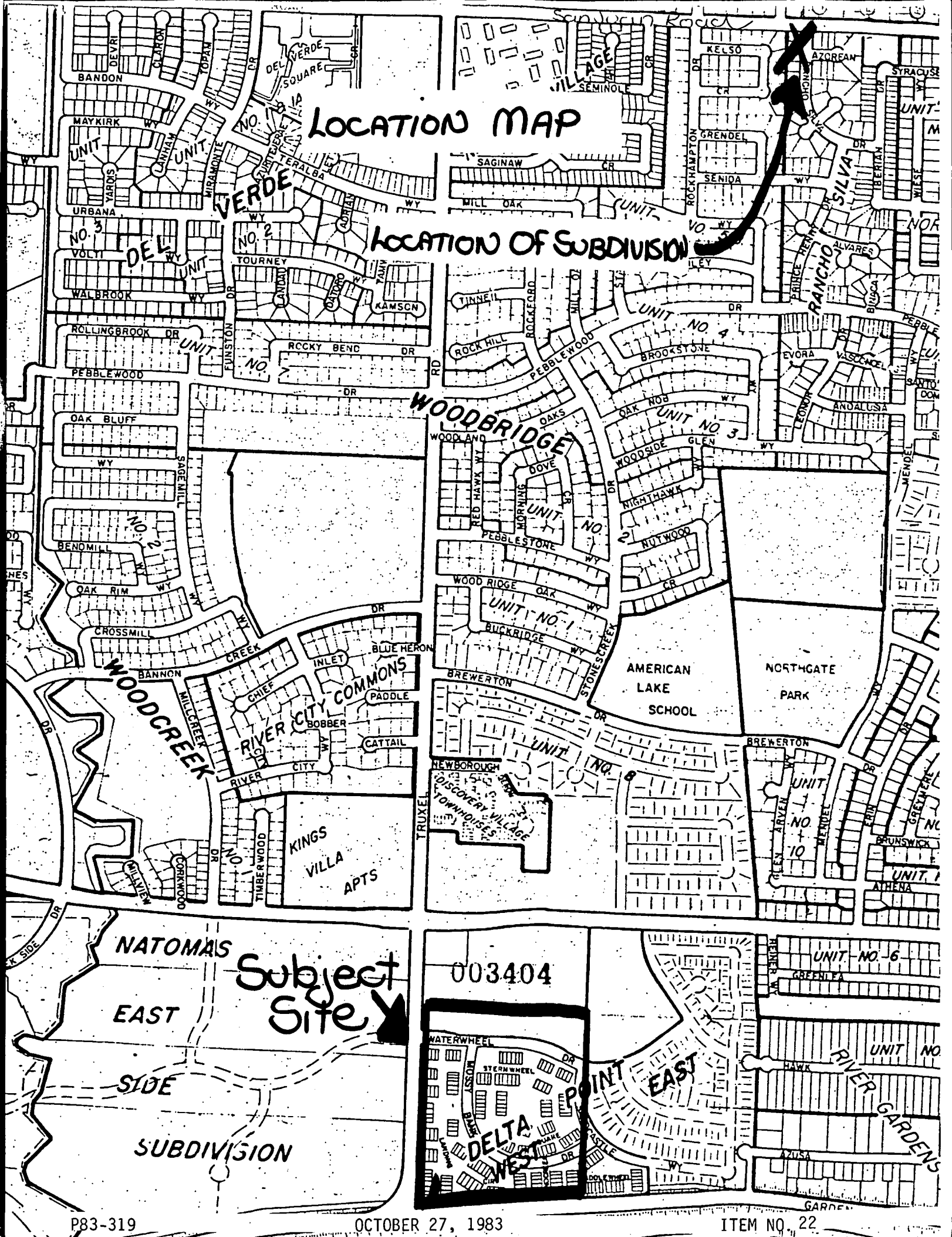
100800

003400

APPLC. NO. P83-319

MEETING DATE October 27, 1983

CPC ITEM NO. 22



LOCATION MAP

LOCATION OF SUBDIVISION

WOODBRIDGE

WOODCREEK

RIVER CITY COMMONS

KINGS VILLA APTS

AMERICAN LAKE SCHOOL

NORTHGATE PARK

NATOMAS EAST SIDE SUBDIVISION

Subject Site

003404

DELTA WEST

POINT EAST

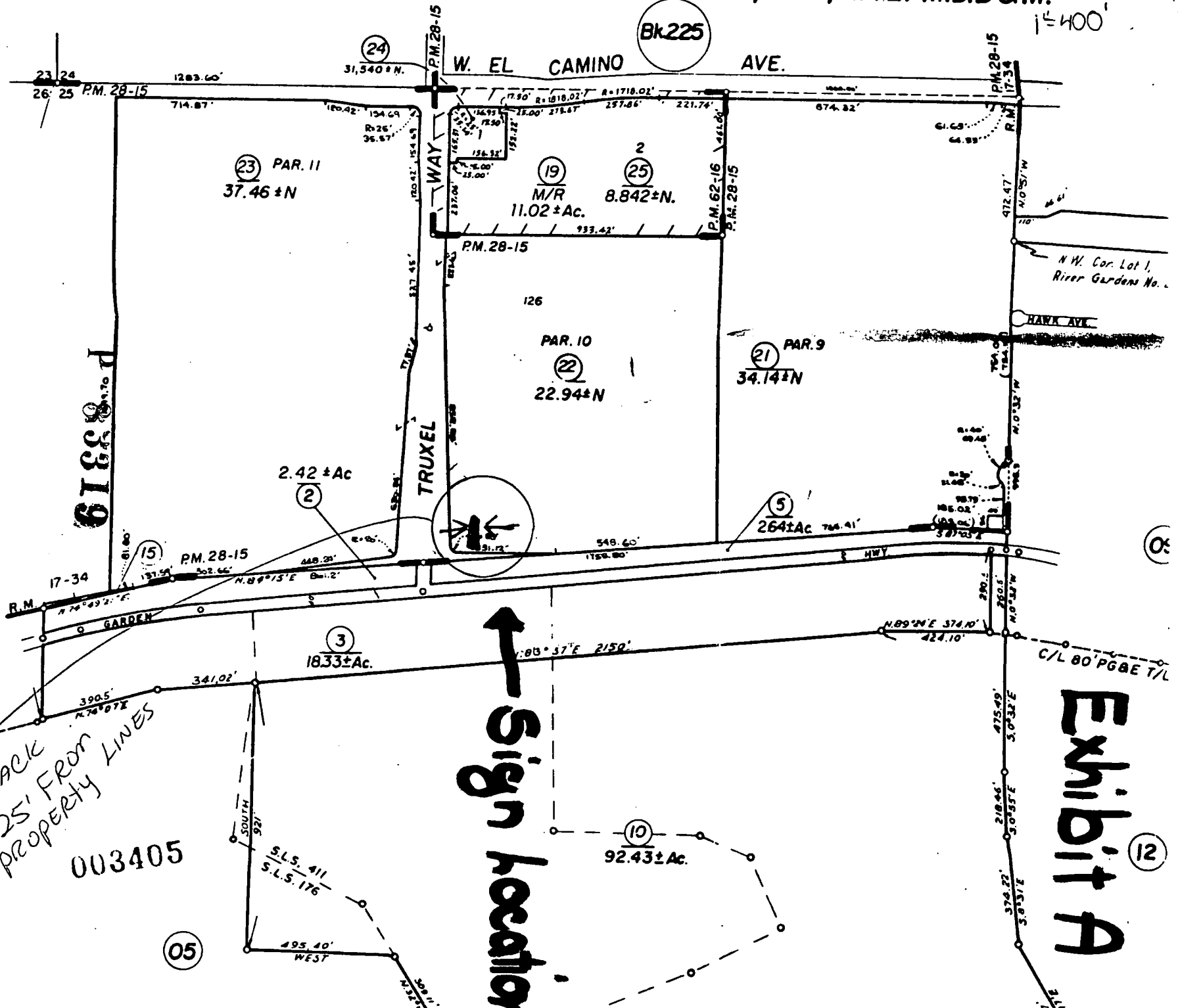
UNIT NO. 6

RIVER GARDENS

1"=400'

P83-319

OCTOBER 27, 1983



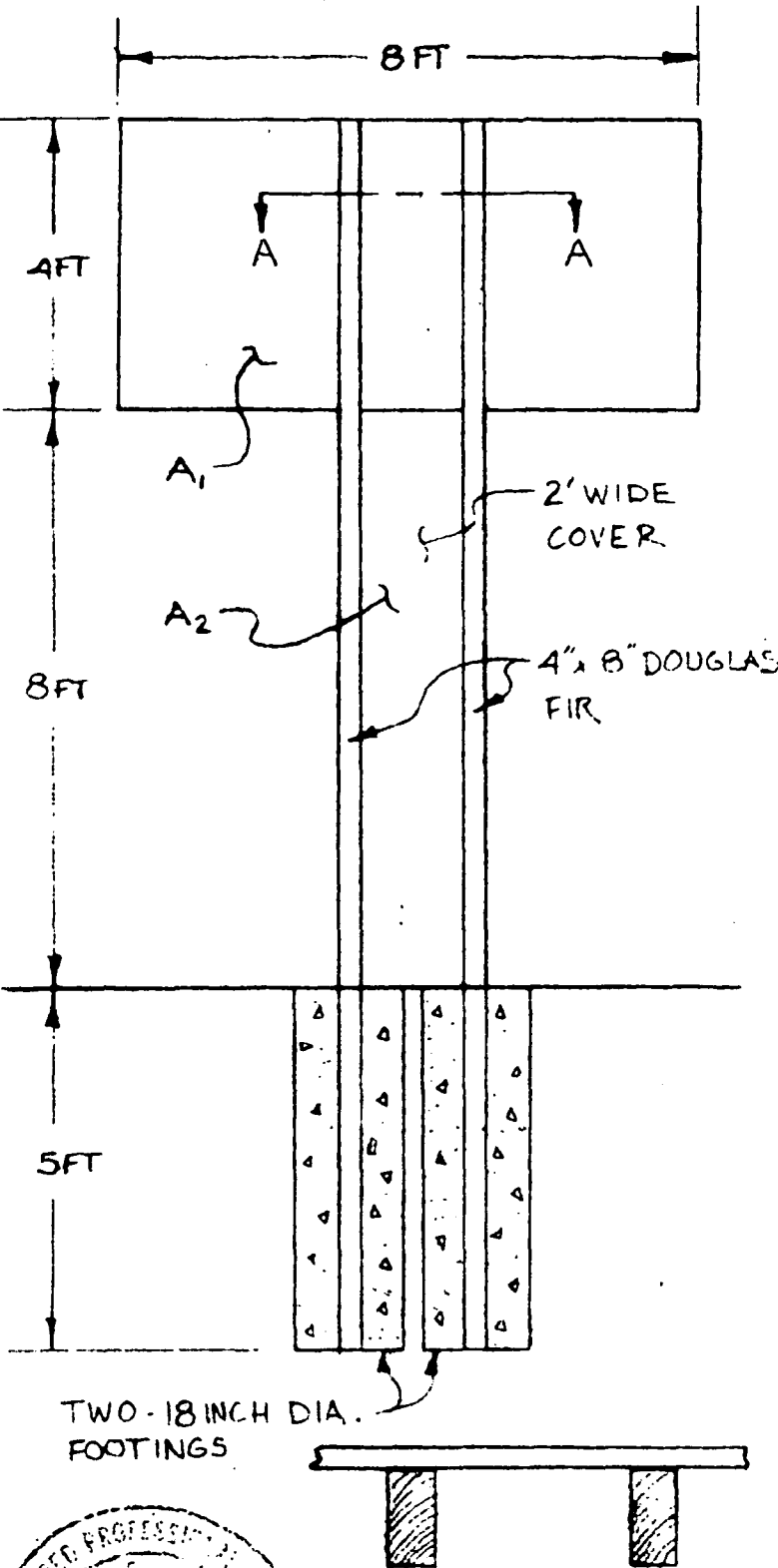
ITEM NO. 22

SET BACK TO BE 25' FROM BOTH PROPERTY LINES

003405

↑ Sign location

Exhibit A



BENDING MOMENT

AREAS:  $A_1 = 4 \text{ FT} \times 8 \text{ FT} = 32 \text{ FT}^2$

$A_2 = 2 \text{ FT} \times 8 \text{ FT} = 16 \text{ FT}^2$

MOMENT,  $M = \text{AREA} \times \text{WIND LOAD} \times \bar{Y}$

$M = 32 \text{ FT}^2 \times 20 \frac{\text{LB}}{\text{FT}^2} \times 10 \text{ FT} + 16 \text{ FT}^2 \times 20 \frac{\text{LB}}{\text{FT}^2} \times 4 \text{ FT} = 7680 \text{ LB-FT}$

ALLOWABLE BENDING LOAD PER U.B.C. CH. 25

DOUGLAS FIR No. 1 VISUALLY GRADED

$F_b = 1500 \frac{\text{LB}}{\text{IN}^2}$  FOR 4" x 8" MEMBER

33 1/3% INCREASE ALLOWED FOR WIND LOAD

$\therefore F_b = 1500 \frac{\text{LB}}{\text{IN}^2} \times 1.333 = 2000 \frac{\text{LB}}{\text{IN}^2}$

STRESS IN EACH OF TWO 4" x 8" MEMBERS

$\sigma = \frac{M y}{I}$  WHERE:  $M = 7680 \text{ LB-FT} / 2$

$y = 7.5 \text{ IN} / 2 = 3.75 \text{ IN}$

$I = \frac{3.5 \text{ IN} \times 7.5 \text{ IN}^3}{12} = 123 \text{ IN}^4$

$\therefore \sigma = \frac{(3840 \text{ LB-FT} \times 12 \frac{\text{IN}}{\text{FT}}) \times 3.75 \text{ IN}}{123 \text{ IN}^4} = 1404 \frac{\text{LB}}{\text{IN}^2}$

ACCEPTABLE

$\therefore$  USE VISUALLY GRADE DOUGLAS FIR

No. 1 4" x 8" S4S PRESSURE TREATED

FOR GROUND CONTACT.

LATERAL FOOTING LOAD PER U.B.C. CH. 29

DEPTH,  $d = \frac{A}{2} \left( 1 + \sqrt{1 + \frac{4.36 \bar{Y}}{A}} \right)$

WIND LOAD,  $P = \frac{[(32 \text{ FT}^2 + 16 \text{ FT}^2) \times 20 \frac{\text{LB}}{\text{FT}^2}]^2}{2} = 480 \text{ LB}$

$\bar{Y} = \frac{(32 \text{ FT}^2 \times 10 \text{ FT}) + (16 \text{ FT}^2 \times 4 \text{ FT})}{32 \text{ FT}^2 + 16 \text{ FT}^2} = 8 \text{ FT}$

$S_1 = \frac{267 d}{3}$        $A = \frac{2.34 P}{S_1 b}$

ASSUME  $d = 5 \text{ FT}$  DEEP  $b = 1.5 \text{ FT}$  DIA.

$S_1 = \frac{267 \times 5}{3} = 445$

$A = \frac{2.34 \times 480}{445 \times 1.5} = 1.68$

003406

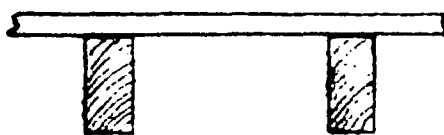
$d = \frac{1.68}{2} \left( 1 + \sqrt{1 + \frac{4.36 \times 8}{1.68}} \right) = 4.8 \text{ FT}$

$\therefore$  TWO - 5 FT DEEP BY 1.5 FT DIA.

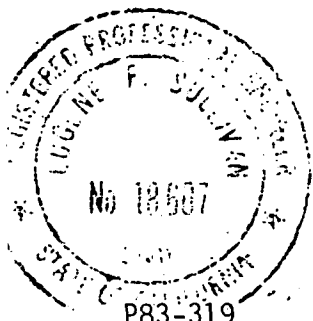
FOOTINGS ARE ACCEPTABLE

ITEM NO. 22

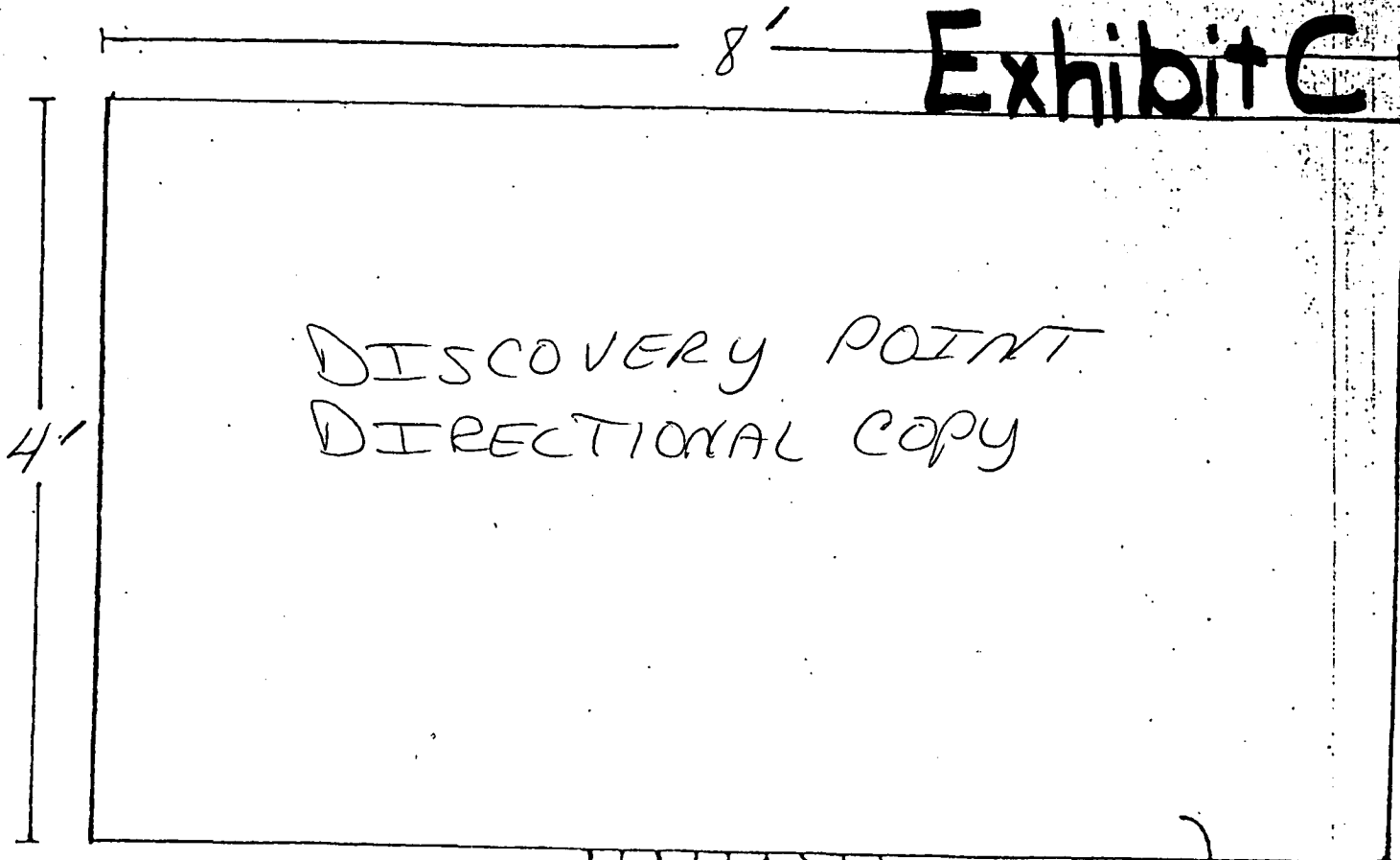
TWO - 18 INCH DIA. FOOTINGS



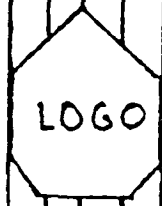
SECTION A-A



# Exhibit C



2' x 6' x 7/8" PLY



3/8" MDO  
SIGN FAC

8'

003407

5' FOOTING