

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 9902752
Insp Area: 1

Site Address: 1462 46TH ST SAC
Parcel No: 008-0332-007

Sub-Type: RES
Housing (Y/N): N

CONTRACTOR
NATIVE CALIFORNIA LANDSCAPE

OWNER
POMARES RONALD G
1462 46TH ST
SACRAMENTO CA 95819

ARCHITECT

Nature of Work: BUILD 8' BLOCK WALL

CONSTRUCTION LENDING AGENCY: I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____ Lender's Address _____

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class C27 License Number 552468 Date 3/25/99 Contractor Signature [Signature]

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

____ I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

____ I am exempt under Sec. _____ B & PC for this reason: _____

Date _____ Owner Signature _____

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 3/25/99 Applicant/Agent Signature [Signature]

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

____ I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

____ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier PRESIDIUM INS INC

Policy Number 01KR-0004149

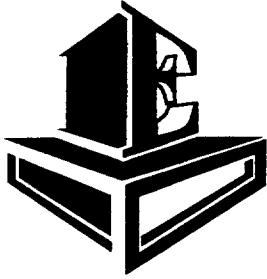
MAR 25 1999
CITY OF SACRAMENTO
PLANNING AND DEVELOPMENT SERVICES
Exp Date 07/01/1999

____ (This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 3/25/99 Applicant Signature [Signature]

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.



VE SOLUTIONS
Structural Engineers

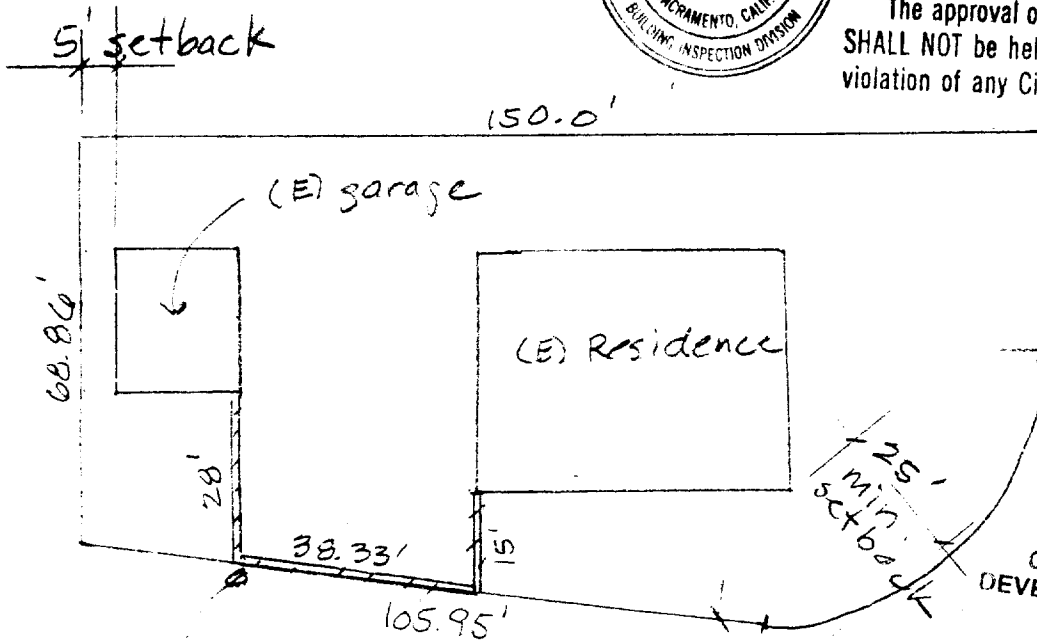
PROJECT: 1462 46th St. NO: 99041
DATE: 3/24/99 BY: BF SHEET 30 OF 3

APN 00803320070000



This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division.

The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State Law.



(N) masonry wall
see S1

ISSUED

MAR 25 1999

CITY OF SACRAMENTO
DEVELOPMENT SERVICES DIV



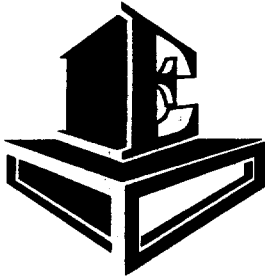
Folsom Blvd

Revised 3 pgs. plus 3 pages color.
Matt P. 3/24/99

North

Site Plan

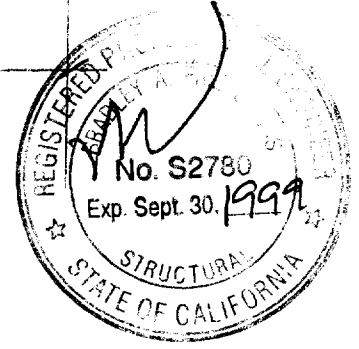
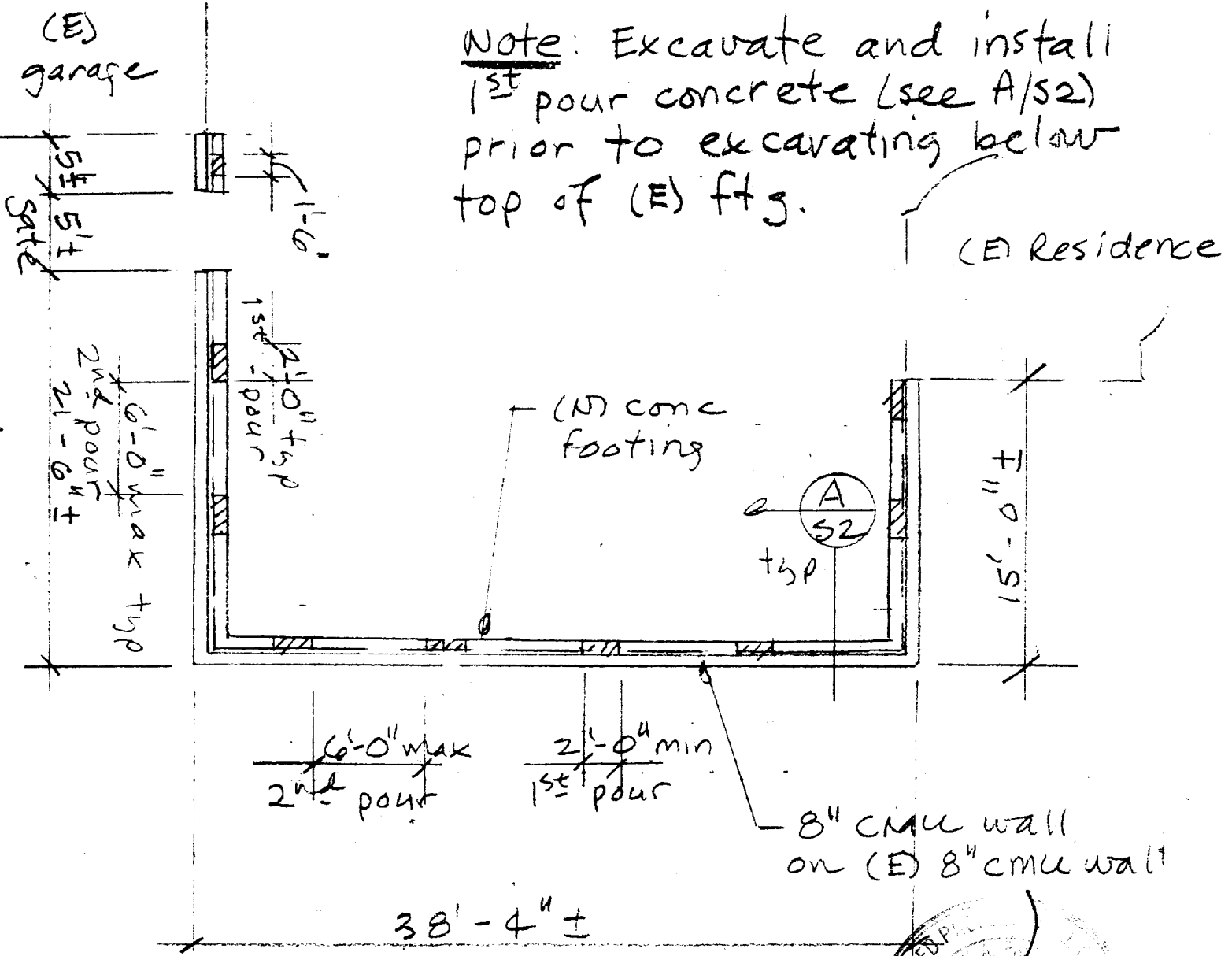
1" = 30'-0"

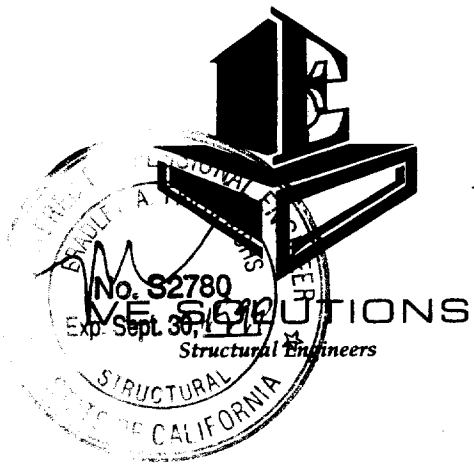


VE SOLUTIONS
Structural Engineers

PROJECT: 1462 46th St. NO: 99041
DATE: 3/24/99 BY: BF SHEET S1 OF 3

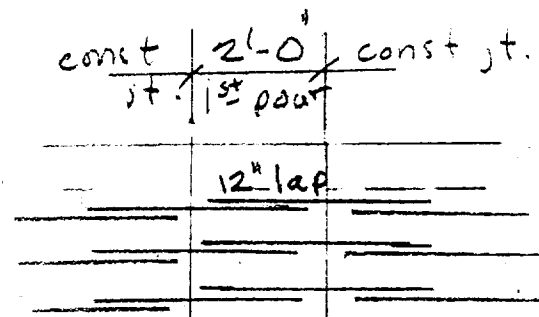
Note: Excavate and install 1st pour concrete (see A/S2) prior to excavating below top of (E) ftg.





PROJECT: 1462 46th St. NO: 99041
 DATE: 3/24/99 BY: BF SHEET S2 OF 3

+8.0'



#4 @ 32" cc
 horiz & vert

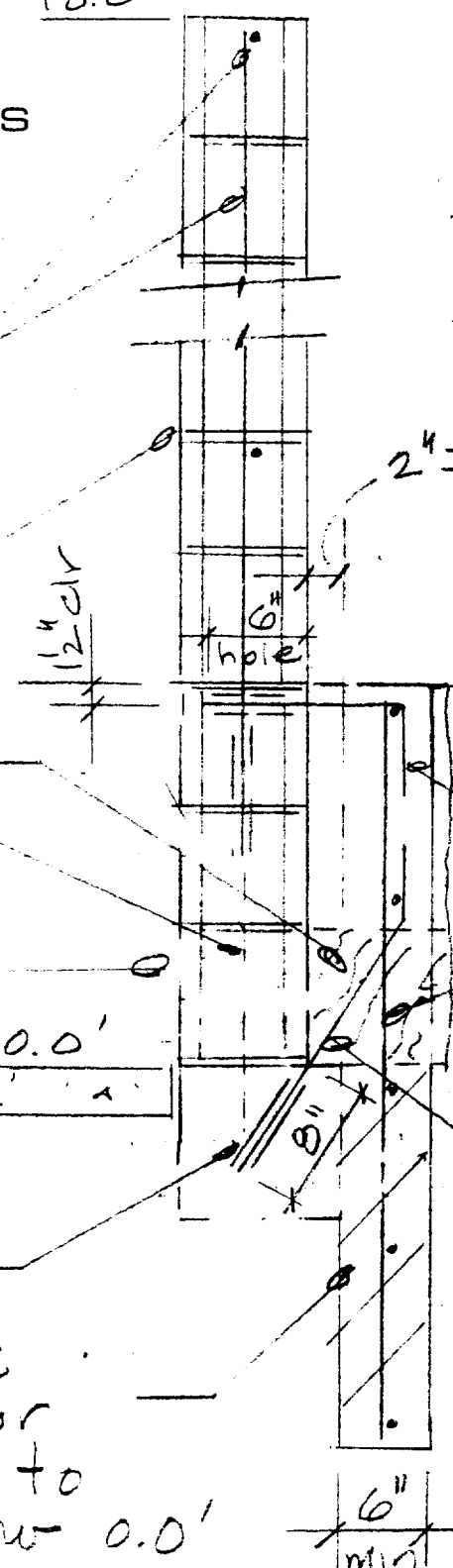
8" CMU - solid
 grouted

1" wide styrofoam
 @ 4'-0" cc (match (E)
 wall slot)
 (E) wall reinf.
 unknown

(E) 8" CMU
 sidewalk +0.0'

epoxy dowel

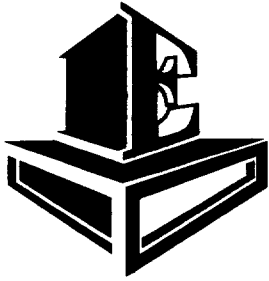
Excavate &
 place conc. for
 1st pour prior to
 excavating below 0.0'
 for 2nd pour



21'-0"
 + 5 p.
 reinf'g elev.
 $f'_c = 2500 \text{ psi (5 sack) BF}$

#4 @ 12" cc | 8"
 #4 @ 32" cc | 8"
 #4 @ 12" cc
 #4 @ 32" cc
 2'-0" | 8"
 -2.0'

A Wall section 1" = 1'-0"



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PROJECT: 1462 46th St. NO: 99041
DATE: 3/24/99 BY: BF SHEET 1 OF 3

$$V = 21 \text{ cfw} \\ = .3 \times 1.0 \times 75 \times 78 = 17.6 \text{ psf}$$

check c elev. +2.0

$$M = 17.6 \times 6^2 / 2 = 317 \text{ #}'$$

$$d = 3.5'$$

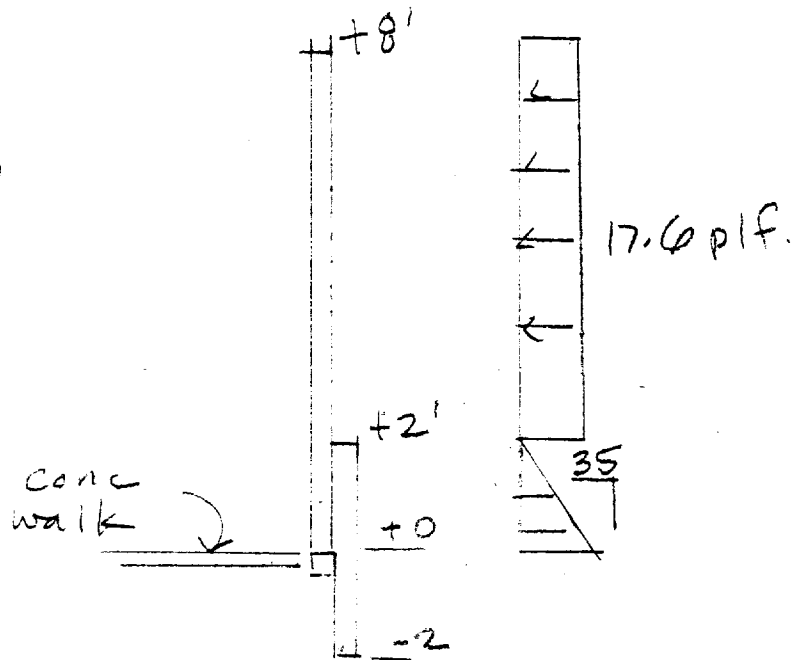
$$F = \frac{3.5^2}{1000} = .012$$

$$k = .317 / .012 = 26$$

$$\rho_v = .0009$$

$$A_{sv} = .0009 \times 3.5 \times 12 = .04 \text{ #}^2/\text{ft}$$

$$A_{sh} = .0007 \times 3.5 \times 12 = .03 \text{ min}$$



$$\#4 @ 32 \text{ #} \text{ cc}$$

$$A_s = .08 \text{ #}^2/\text{ft}$$

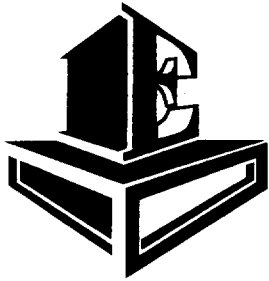
$$\rho = .0018 > .001$$

$$\#4 @ 32 \text{ #} \text{ cc horiz}$$

$$\rho = .0018 > .0007$$



Revised 3 pgs. p.l.s. + 3 pgs. calcs.
Matt P. 3/24/99



VE SOLUTIONS
Structural Engineers

PROJECT: 1462 46th St. NO: 99041
DATE: 3/24/99 BY: BF SHEET 2 OF 3

check conc e elev. 0.0'

$$M_u = 1.3 \overset{604}{(17.6 \times 6)} 5' + 1.7 \overset{79}{\times 35 \times 2 \frac{3}{4}}$$
$$= 766 \#'$$

$$d = 3 \quad f_c' = 2500$$

$$F = 9/1000 = .009$$

$$k_u = .766 / .009 = 85 \quad \text{use } \rho \text{ min}$$

$$A_s = .0033 \times 3 \times 12 = .12 \text{''}^2/\text{ft}$$

$$\frac{\#4 @ 12 \text{''} \text{cc}}{.20 \text{''}^2/\text{ft}}$$

embedded continuous wall pier

$$M = 17.6 \times 6 \times 5 + 35 \times 2 \frac{3}{4} = 575 \#'$$

$$P = 17.6 \times 6 + 35 \times 2 \frac{3}{4} = 176 \#'$$

$$h = 575 / 176 = 3.3'$$

see enercalc.



VE Solutions, Inc.
 3350 Monier Circle, Suite 5
 Rancho Cordova, CA 95742
 (916) 505-0519 fax 631-7891

Title : 46th & Folsom Blvd Soundwall
 Dsgnr: BF
 Description :
 Job # 99041
 Date: 11:53AM, 24 MAR 99
 Scope :

3

VE SOLUTIONS

Rev. 506001

Pole Embedment in Soil

Description Wall Footing

General Information

Allow Passive	200.00 pcf	Applied Loads...	
Max Passive	1,500.00 psf	Point Load	176.00 lbs
Load duration factor	1.330	distance from base	3.300 ft
Pole is Rectangular		Distributed Load	0.00 #/ft
Width	12.000 in	distance to top	0.000 ft
Restrained @ Surface		distance to bottom	0.000 ft

Summary

Moments @ Surface...

Point load	580.80 ft-#
Distributed load	0.00

Total Moment	580.80 ft-#
Total Lateral	176.00 lbs

Without Surface Restraint...

Required Depth	0.000 ft
Press @ 1/3 Embed...	
Actual	0.00 psf
Allowable	0.00 psf

With Surface Restraint...

Req'd Depth	1.874 ft
Pressure @ Base...	
Actual	498.49 psf
Allowable	498.49 psf
Surface Restraint Force	641.62 lbs