

DATE SUBMITTED: 2-2-90

PERMIT # _____

FEE 15⁰⁰

SIGN PERMIT

GRAND JUNCTION PLANNING DEPARTMENT

BUSINESS NAME: Peach Tree Inn

BUSINESS ADDRESS: 1600 North Ave

STREET FRONTAGE: FRONT _____ FT. SIDE _____ FT.

BUILDING FRONTAGE: FRONT _____ FT. SIDE _____ FT.

TRAFFIC LANE: FRONT _____ FT. SIDE _____ FT.

HEIGHT OF SIGN: 8'5" FT. CLEARANCE TO GRADE: 27 FT.

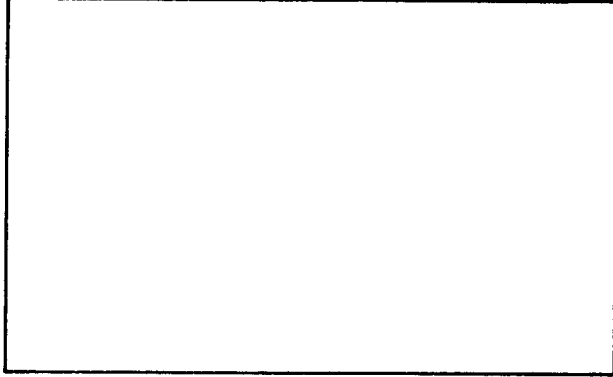
AREA OF SIGN: 197⁷⁶ SQ. FT. AREA OF EXISTING SIGNS: _____ SQ. FT.

TOTAL ALLOWED AREA: FRONT 270 SQ. FT. SIDE _____ SQ. FT.

TYPE OF SIGN

*SKETCH

- ON PREMISE
- OFF PREMISE
- FREE STANDING
- PROJECTING
- ROOF
- FLUSH WALL
- ILLUMINATED
- OTHER



COMMENTS Free-standing sign must
meet wind-load capacity

*Include: Streets, Property Lines, Proposed Sign Location.

TAX SCH# 2945-123-23-006

PROPERTY OWNER: Jann Ertl

ADDRESS: 1600 North Ave 29

CONTRACTOR: Red Construction / 29 Sign - Moon

ADDRESS: 2915 Hill Ave

PHONE: 245/2950

Barbara K. Peltus
Signature

APPROVED BY: Linda Wetzal

DATE APPROVED: 2-8-90

Contract #
Red - 2900109 / 29 - 2890292
Wesley El - #541

- FINAL PERMIT
- WILL REQUIRE SEPARATE PERMIT

Business Name: Rock Tree

Sign Location: _____

Type of Sign: Free Standing

*Sign Permit Needed _____

*Date Obtained _____

Dimensions: _____

/Area _____

Illuminated: Interior Exterior

Material Needed: 0

Art Needed: 0 (X if in stock)

Comments: _____

Description: _____

Street Frontage: Front _____ ft.

Side _____ ft.

Building Frontage: Front _____ ft.

Side _____ ft.

Traffic Lane: Front _____ ft.

Side _____ ft.

Total Allowed Area: Front _____ sq. ft.

Side _____ sq. ft.

Clearance to Grade: _____ ft.

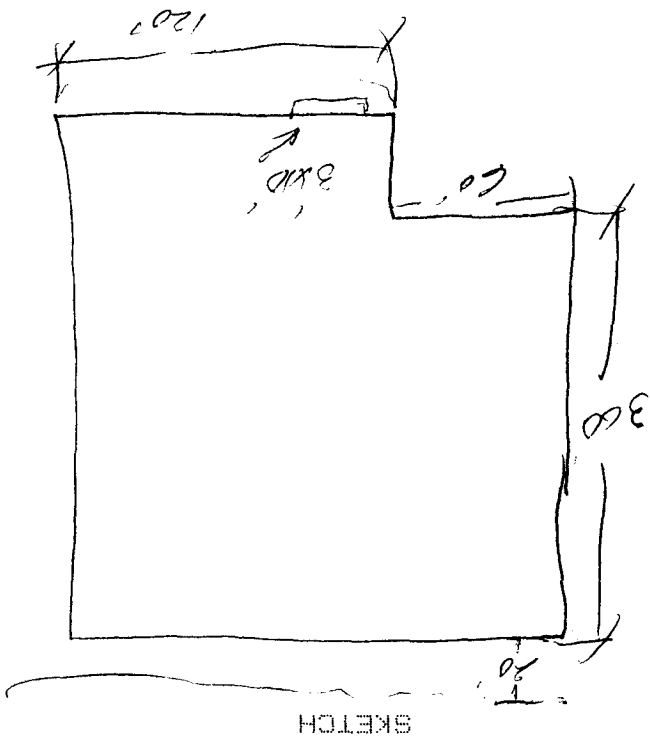
Area of Existing Sign _____ ft.

Estimated Completion _____ Date

Accepted By: _____

Date: _____

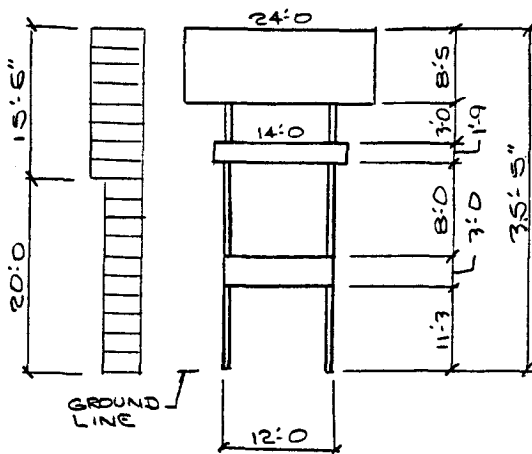
Comments: _____



SKETCH

Engineer / P.E. sign off

WIND LOAD DISTRIBUTION,



DESIGN LOADING - UBC 88

$$P = C_e C_q q_s I$$

$$C_e = 1.2 (0-20) \neq 1.3 (20-40)$$

$$C_q = 1.4$$

$$q_s = 13 \text{ psf}$$

$$I_s = 1.0$$

$$P_1 = 1.2(1.4)13(1.0) \\ = 21.84 \text{ psf}$$

$$P_2 = 1.3(1.4)13(1.0) \\ = 23.66 \text{ psf}$$

GROUND LINE SHEAR & MOMENT,

$$V_{GL} = 24(8.417)23.66 + .833(3.0)2(23.66) + 1.75(14)23.66 + \\ .833(2.25)2(23.66) + .833(5.75)2(21.84) + \\ 3.0(12.0)21.84 + .833(11.25)2(21.84) \\ = 4779.51 + 118.25 + 579.67 + 88.69 + 209.22 + 786.24 + 409.2 \\ = 6970.92 \text{ lb}$$

$$M_{GL} = 4779.51(31.2085) + 118.25(25.5) + 579.67(23.125) + \\ 88.69(21.125) + 209.22(17.125) + 786.24(12.75) + \\ 409.34(5.625) \\ = 149161.34 + 3015.38 + 13404.87 + 1873.58 + 3582.89 \\ 10024.56 + 2302.54 \\ = 183365.16 \text{ FT-LB}$$

$P_{SIGN} \approx 3000 \text{ LB}$ (PER GROUND JUNCTION SIGN, 245-2950)
WEIGHT

$$P_{SIGN} = 2(27)40.48 + 5(24)(8.417) + 5(14)1.75 + 5(12)3 \\ EST = 2185.92 + 1010.04 + 122.5 + 180.0 \\ = 3498.46 \text{ LB}$$

USE 3000 LB FOR SIGN WEIGHT ESTIMATE

CHECK POLE CAPACITY,

10" ϕ SCHED. 40 PIPE (ASTM A-53 $F_y = 35 \text{ ksi}$ AS01 $F_y = 36 \text{ ksi}$)

$$f_b = \frac{183.4 \text{ k}'(12)}{29.9(2)} = 36.8 \text{ ksi} \quad \underline{\underline{N.G. TOO LARGE}} \\ \underline{\underline{REDESIGN POLES}}$$



Grand Junction Planning Department
250 North Fifth Street
Grand Junction, Colorado 81501-2668
(303) 244-1430

MEMORANDUM

TO: BOB DAVIS, UNC GEOTECH
FROM: LINDA WEITZEL, GJ PLANNING DEPARTMENT *lw*
DATE: JANUARY 23, 1990
RE: PEACH TREE INN SIGN

As per our conversation today, the Grand Junction Planning Department agreed to defer to the UBC wind load requirements for signage, rather than 5-7-6.E. required by the Zoning & Development Code. This particular reference is for the Peach Tree Inn free-standing sign located at 1600 North Avenue.

It is understood that the existing sign shall be redesigned to withstand the wind load as per the 1988 UBC.

DATA FROM DOTTIE @ BONNER (241-2551)

<u>NOM.</u>	<u>O.D.</u>	<u>WALL THICKNESS</u>		
		<u>SCHD. 40</u>	<u>SCHD. 60</u>	<u>SCHD. 80</u>
10"	10 ³ / ₄ "	.365"	.500"	.593"
12"	12 ³ / ₄ "	.406"	.562"	.687"
14"	14"	.438"	.593"	.750"
16"	16"	.500"		
18"	18"	.562"		
20"	20"	.593"		

GRAUD JUNCTION SIGN 245-2950 GERALD

241-5333 JIM WILLIS

ADDITIONAL DATA FROM BONNER,

WELL CASING L-80	9 ⁵ / ₈ "	.4375"	(UNKNOWN STRENGTH)	
8"	8 ⁵ / ₈ "	.322"	.406"	.500"

DETERMINE POLE SIZE,

$$S = \frac{\pi(d_{\text{OD}}^4 - d_{\text{ID}}^4)}{32d_{\text{OD}}}$$

$$\text{LET } F_b = F_b = .66 F_y = 23.76 \text{ KSI}$$

ALLOW 1/3 STRESS INCREASE FOR WIND LOAD

$$\therefore 1.333 F_b = 1.333(23.76) = 31.67 \text{ KSI}$$

ALLOWED

$$31.67 = \frac{183.4(12)}{(2)S_{\text{REQ'D}}}$$

$$S_{\text{REQ'D}} = 34.75 \text{ in}^3$$

TRY 10" Ø SCHED. 80

$$S_{\text{ACT}} = \frac{\pi(10.75^4 - 9.564^4)}{32(10.75)} = 45.55 \text{ in}^3$$

TRY 12" Ø SCHED. 40

$$S_{\text{ACT}} = \frac{\pi(12.75^4 - 11.938^4)}{32(12.75)} = 47.09 \text{ in}^3$$

TRY 12" Ø SCHED. 60

$$S_{\text{ACT}} = \frac{\pi(12.75^4 - 11.626^4)}{32(12.75)} = 62.81 \text{ in}^3$$

CHECK DEFLECTION USING 12" Ø SCHED. 40 COLUMN

$$I = \frac{\pi(12.75^4 - 11.938^4)}{64}$$

$$= 300.21 \text{ in}^4$$

$$\Delta = \frac{1}{2EI} \left[\frac{4.8(31.21)^3 12^3}{3} + \frac{.12(25.5)^2 [3(31.21) - 25.5] 12^3}{6} \right. \\ + \frac{.58(23.125)^2 [3(31.21) - 23.125] 12^3}{6} + \frac{.09(21.125)^2 [3(31.21) - 21.125] 12^3}{6} \\ + \frac{.21(17.125)^2 [3(31.21) - 17.125] 12^3}{6} + \frac{.79(12.75)^2 [3(31.21) - 12.75] 12^3}{6} \\ \left. + \frac{.41(5.625)^2 [3(31.21) - 5.625] 12^3}{6} \right]$$

$$\Delta = 4.827 + .089 + .362 + .047 + .078 + .172 + .019$$
$$= 5.594 \text{ in}$$

IF A 10" SCHED. 80 PIPE WAS USED

$$I = \frac{\pi (10.75^4 - 9.564^4)}{64}$$
$$= 244.84 \text{ in}^4$$

$$A = \frac{300.21 (5.594)}{244.84}$$
$$= 6.859 \text{ in}$$

DUE TO LARGE DEFLECTIONS USE 12" ϕ PIPE
WITH SMALLER WALL THICKNESS

USE (2) 12" ϕ , SCHED. 40
PIPES AS THE SIGN
SUPPORT POSTS; 12 $\frac{3}{4}$ " OD
WITH A WALL THICKNESS
OF .406"

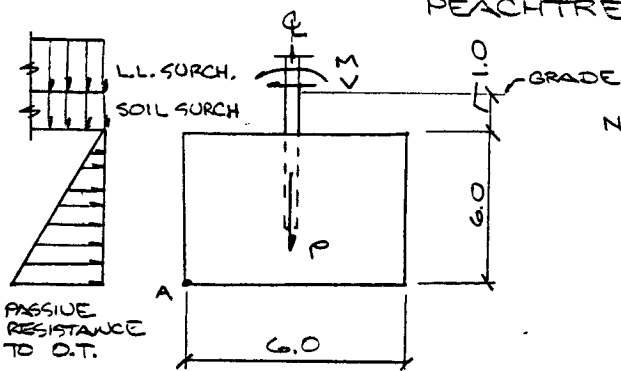
CHECKING SHEAR,

$$A = \frac{\pi (12.75^2 - 11.938^2)}{4}$$
$$= 15.74 \text{ in}^2$$

$$S_v = \frac{2(7/2)}{15.74}$$
$$= .44 \text{ ksi } \checkmark \text{ O.K.}$$

CHECK b/t RATIO,

$$\frac{b}{t} = \frac{12.75}{.406} = 31.40 < \frac{3300}{F_y} \checkmark \text{ O.K.}$$



NEGLECT-

- 1) ACTIVE SOIL PRESSURE AIDING O.T.
- 2) SOIL WEDGE ON ACTIVE SIDE THAT RESISTS O.T.
- 3) LL SURCHARGE DURING O.T. CONDITION
- 4) LATERAL COMPONENT OF SOIL SURCHARGE
- 5) TOP 1'-0" OF PASSIVE RESISTANCE

PASSIVE RESISTANCE TO O.T.

$\phi = 30^\circ$
 $\gamma = 110 \text{ PCF}$

TRY FTG. WIDTH OF 4'-0" FOR TRIAL 1

ΣM_A

$$M_{OT} = [183.4 \text{ k}' + 7 \text{ k}(7')] / 2 = 116.2 \text{ k}'$$

$$M_{RES} = [3 + .15(4)6(6)] 3.0 + [\tan^2(45 + \frac{\phi}{2})] \frac{1}{2} 6^2 (.11) (4) \frac{6}{3}$$

$$= 73.8 + 47.5$$

$$= 121.3 \text{ k}'$$

$$F.O.S. = \frac{121.3}{116.2} = 1.04 < 1.5 \text{ N.G.}$$

INCREASE FOOTING WIDTH TO SIX FEET

$$M_{RES} = [3 + .15(6)6(6)] 3.0 + 3.0(\frac{1}{2}) 6^2 (.11) 6(\frac{6}{3})$$

$$= 106.2 + 71.28$$

$$= 177.48 \text{ k}'$$

$$F.O.S. = \frac{177.48}{116.2} = 1.53 \checkmark \text{ O.K.}$$

SLIDING O.K. BY INSPECTION

CHECK BEARING PRESSURES,

$$P = 3 + .15(6)^3 = 35.4 \text{ k}$$

$$M_{OT} = 116.2 \text{ k}'$$

$$M_{RES} = 177.48 \text{ k}'$$

$$x = \frac{177.48 - 116.2}{35.4}$$

$$= 1.731 \text{ FEET}$$

$$e = \frac{6}{2} - 1.731$$

$$= 1.269 \text{ FEET}$$

OUTSIDE KERN

GOSSGGERI

SIGN FOUNDATION AT

PEACHTREE INN

JAN. 22, 1990

$$Q_{max} = \frac{35.4(2)}{3(6/2 - 1.269)6}$$

$$= 2.272 \text{ KSF}$$

TOO LARGE

TRY AN 8'-0" x 5'-0" FOOTING WITH A 6'-0" DEPTH

$$M_{RES} = [3 + 15(5)8(6)]4.0 + 3.0\left(\frac{1}{2}\right)6^2(.11)5\left(\frac{2}{6}\right)$$

$$= 156 \text{ k}' + 59.4 \text{ k}'$$

$$F.O.S. = \frac{215.4}{116.2} = 1.85 \text{ OK}$$

F.O.S. = O.K. BY INSPECTION

CHECK BEARING PRESSURES,

$$P = 3 + 15(5)8(6) = 39 \text{ k}$$

$$x = \frac{215.4 - 116.2}{39}$$

$$= 2.544 \text{ FEET}$$

$$e = \frac{B}{2} - 2.544$$

$$= 1.456 \text{ FEET}$$

OUTSIDE KERN

$$Q_{max} = \frac{39(2)}{3(8/2 - 1.456)5}$$

$$= 2.044 \text{ KSF}$$

TRY A 10'-0" x 5'-0" FOOTING WITH A 6'-0" DEPTH

$$M_{RES} = [3 + 15(10)5(6)]5 + 3.0\left(\frac{1}{2}\right)6^2(.11)5\left(\frac{2}{6}\right)$$

$$= 240 \text{ k}' + 59.4 \text{ k}'$$

$$= 299.4 \text{ k}'$$

F.O.S. OF # F.O.S. SLIDING ARE O.K. BY INSPECTION

$$P = 3 + .15(10)5(6) \\ = 48^k$$

$$x = \frac{299.4 - 116.2}{48} \\ = 3.817$$

$$e = \frac{10}{2} - 3.817 \\ = 1.183$$

INSIDE KERN

$$Q_{\text{MAX}} = \frac{48}{10(5)} \left[1 \pm \frac{6(1.183)}{10} \right] \\ = .96 [1 \pm .7098] \\ = 1.64 \text{ KSF } \neq .28 \text{ KSF}$$

BASED ON LARRY BRUSKIN'S SITE VISIT, THE
ULTIMATE BEARING CAPACITY IS ESTIMATED
AT 2500 PSF

USING A F.O.S. OF 1.5 FOR THIS TYPE OF
LOADING CONDITION

$$Q_{\text{ALL}} = \frac{2.50}{1.5} = 1.67 \text{ KSF}$$

✓ O.K.

USE A 10'-0" x 5'-0" FOOTING
WITH A DEPTH OF 6'-0";
ALLOW FOR 1'-0" OF OVER
BURDEN (i.e. B.O.F. IS 7'-0"
BELOW GRADE)

1-23-90 SITE VISIT BY
L. BRUSKIN:
VISUAL CLASSIFICATION
USC (UNIFIED SOIL CLASS.)
ML-SM (SAWDY SILT-
SILTY SAND)
FROM DESIGN CHARTS
 $Q_{\text{ULT}}_{\text{EST}} @ 2500 \text{ PSF}$

FACTORED LOADS FOR REINFORCING DESIGN,

USE $U = .9D + 1.3L + 1.3W$ FOR DESIGN LOADING

$$M_{OT} = 1.3(116.2) = 151.06 \text{ K}'$$

$$M_{RES} = .9(48)5 + 1.3(59.4) = 293.22 \text{ K}'$$

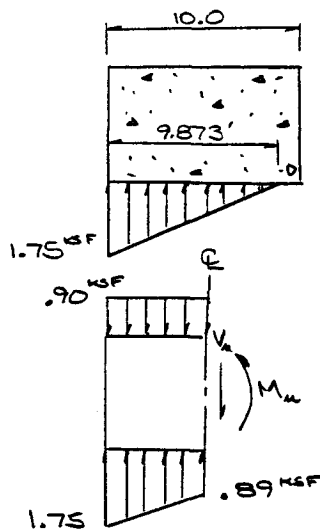
$$P = .9(48) = 43.2 \text{ K}$$

$$x = \frac{293.22 - 151.06}{43.2} = 3.291$$

$$e = \frac{10}{2} - 3.291 = 1.709$$

OUTSIDE KERN

$$Q_{MAX} = \frac{43.2(2)}{3(10/2 - 1.709)5} = 1.75 \text{ KSF}$$



DESIGN DISTRIBUTION

$$V_u = .89(5) + \frac{1}{2}(.86)5 - .9(5) = 4.45 + 2.15 - 4.5 = 2.1 \text{ K}'$$

$$M_u = 4.45(2.5) + 2.15(3.333) - 4.5(2.5) = 11.13 + 7.17 - 11.25 = 7.05 \text{ K}'$$

$$b = 12" \quad d = 72 - 3 - 1 = 68" \quad f'_c = 3000 \text{ psi} \quad f_y = 60000 \text{ psi}$$

$$F = \frac{12(68)^2}{12000} = 4.624$$

$$K_n = \frac{7.05(12)}{.9(4.624)} = 20.33$$

USE MIN. REINF

$$A_s = \rho_{\min} b d = \frac{200}{60000} (12) 12 = .48 \text{ in}^2/\text{FT}$$

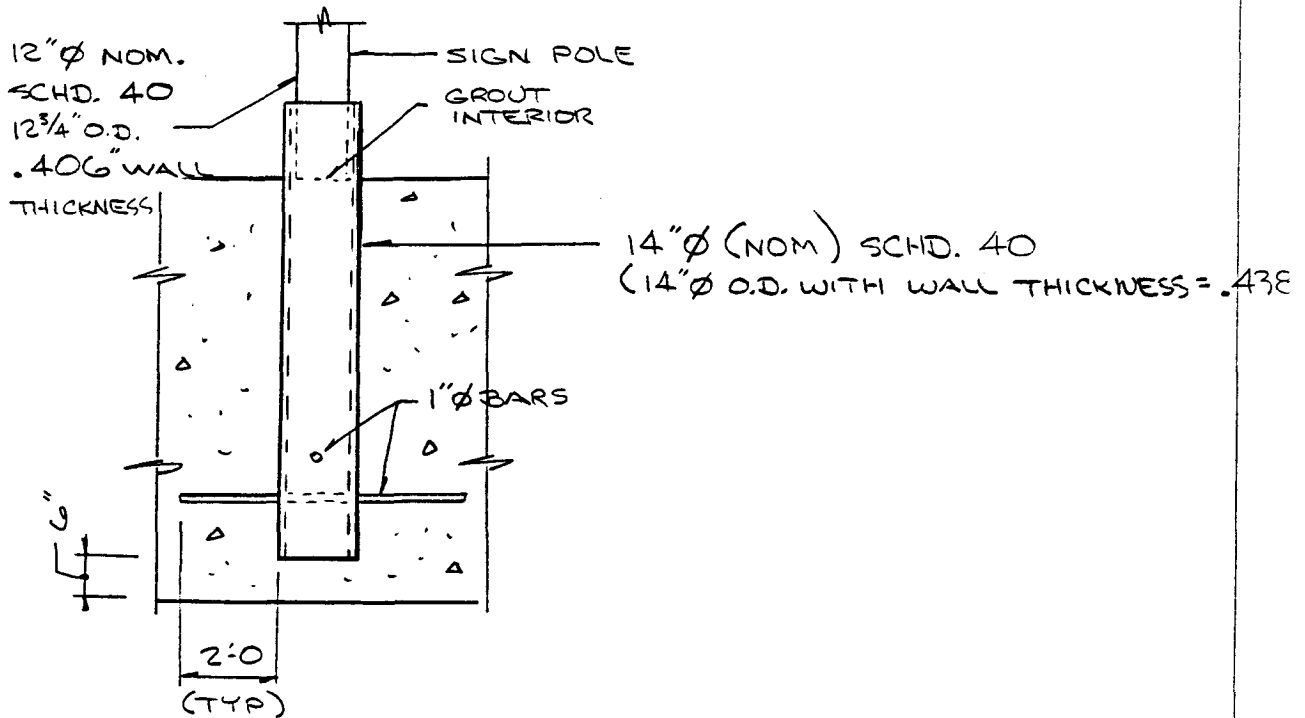
USE # 6 @ 12" BOT. LONGITUDINAL
USE # 5 @ 12" BOT. TRANSVERSE
USE # 4 @ 12" EA. WAY ALL OTHER FACE

CHECK SHEAR,

PUNCHING IS O.K. BY INSPECTION

$$V_c = \frac{2100}{.85(12)68} = 3.0 \text{ psi } \checkmark \text{ O.K.}$$

EMBEDMENT DESIGN,

CHECK SHEAR FRICTION RESISTANCE OF 1" ϕ BARS

$$\mu = .72 = .7(1.0) = .70$$

$$V_u = \frac{.785 \text{ in}^2 (4) 36000 (.7)}{.85}$$

$$= 93.1 \text{ k}$$

$$V_{\text{ALL}} = 93.1 / 1.7 = 54.8 \text{ k} \quad \checkmark \text{ O.K.}$$

CHECK WELD OF PIPE TO EMBEDMENT,

$$S_{\text{WELD}} = \frac{\pi (12.75)^2}{4} = 127.7$$

$$A_{\text{WELD}} = \pi (12.75) = 40.1$$

$$M = 183.4 \text{ k}' / 2 = 91.7 \text{ k}'$$

$$P = 3 \text{ k} / 2 = 1.5 \text{ k}$$

$$V = 7 \text{ k} / 2 = 3.5 \text{ k}$$

$$\begin{aligned}
 f_1 &= \frac{91.7}{127.7} + \frac{1.5}{40.1} \\
 &= .718 + .037 \\
 &= .755 \text{ K/IN}
 \end{aligned}$$

$$\begin{aligned}
 f_2 &= \frac{3.5}{40.1} \\
 &= .087 \text{ K/IN}
 \end{aligned}$$

$$\begin{aligned}
 f_R &= \sqrt{.755^2 + .087^2} \\
 &= .760 \text{ K/IN} \\
 &\quad \text{OF} \\
 &\quad 760 \text{ LB/IN}
 \end{aligned}$$

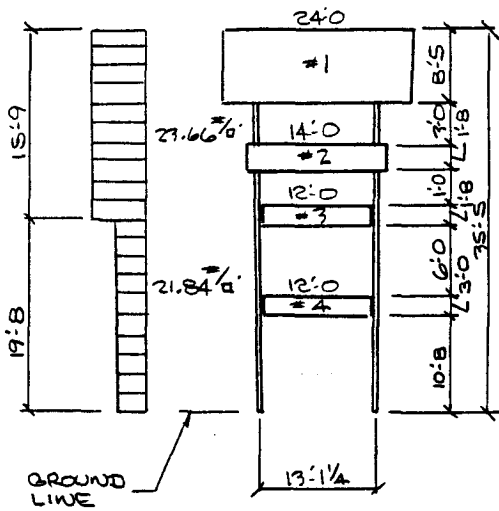
$$w = \frac{f_R}{.707(\tau_{\text{WELD}})}$$

USE E60 ELECTRODES
 $\tau_{\text{WELD}} = .3(60) \text{ OR } .4(36)$
 $18 \text{ KSI} \quad 14.4 \text{ KSI}$

$$\begin{aligned}
 &= \frac{760}{.707(14,400)} \\
 &= .075 \text{ IN} \\
 &= 1/16
 \end{aligned}$$

LESS THAN MINIMUM CODE REQMTS ; USE 3/16"

RECHECK DESIGN BASED ON THE REVISED SKETCH
FROM CONSTRUCTION DATED 1-25-90



NOTE:

TREAT POLE WIDTH AS
AN AVG. OF 14-0, IGNORE
POLE CONTRIBUTION AT
SIGNS #3 & #4

$$V_{GL} = 24(8.47)23.66 + 1.0(3.0)2(23.66) + 1.667(14.0)23.66 + 1.0(1.0)2(23.66) + 1.667(12.0)23.66 + 1.0(6.0)2(21.84) + 3.0(12.0)21.84 + 1.0(10.667)2(21.84)$$

$$= 4779.51 + 141.96 + 552.18 + 47.32 + 473.29 + 262.08 + 786.24 + 465.93$$

$$= 7508.51 \text{ LB}$$

$$M_{GL} = 4779.51(31.2085) + 141.96(25.5) + 552.18(23.1665) + 47.32(21.833) + 473.29(20.5) + 262.08(16.667) + 786.24(12.167) + 465.93(5.333)$$

$$= 149161.34 + 3619.98 + 12792.08 + 1033.14 + 9702.45 + 4368.09 + 9566.18 + 2484.80$$

$$= 192728.06$$

CHECK 12" ϕ (SCHD. 40) BASE POST,

$$f_b = \frac{192.7(12)}{2(47.09)} = 24.6 \text{ ksi} < 1.333(.66)F_y = 31.67 \text{ ksi}$$

✓ O.K.

CHECK STABILITY & FOOTING PRESSURES,

$$M_{OT} = [192.7 + 7.51(7)] / 2 = 122.6 \text{ k'}$$

$$M_{RES} = 299.4 \text{ k'}$$

$$FOS = \frac{299.4}{122.6} = 2.44$$

✓ O.K.

42.381 30 SHEETS 3 SQUARE
42.382 100 SHEETS 3 SQUARE
42.383 200 SHEETS 3 SQUARE
NATIONAL

42,381 50 SHEETS 3 SQUARE
 42,382 100 SHEETS 3 SQUARE
 42,383 200 SHEETS 3 SQUARE
 NATIONAL

SAT O.K. BECAUSE LOADING IS BASED ON A SHORT TERM WIND LOAD CONDITION

$$F.O.S. = \frac{2.5}{1.72} = 1.45$$

$$Q_{cut} \approx 2.5 \text{ KSF}$$

$$= .96(1 \pm .7902) = 1.72 \text{ KSF} \neq .20 \text{ KSF}$$

$$Q_{MAX} = \frac{48}{10(5)} \left[1 \pm \frac{6(1.317)}{10} \right]$$

INSIDE KERN

$$x = \frac{48}{299.4 - 122.6} = 3.683$$

$$e = \frac{10}{2} - 3.683 = 1.317$$

PEACHTREE INN

SIGN FOUNDATION AT

JAN. 26, 1990

GOOSECREEK

DESIGN AND LOCATE SPLICE POINTS,

TRY A SPLICE POINT AT THE TOP OF SIGN # 3 (RE. PG. 11),
APPROXIMATELY 21'-4" ABOVE GROUND LINE

$$V_{s.p.} = 4779.51 + 141.96 + 552.18 + 47.32 \\ = 5520.97 \text{ LB}$$

$$M_{s.p.} = 4779.51(9.8755) + 141.96(4.167) + 552.18(1.8335) + \\ 47.32(.50) \\ = 47200.05 + 591.55 + 1012.42 + 23.66 \\ = 48827.68 \text{ FT-LB}$$

TRY 10" NOM. DIA. SCHED. 40 PIPE

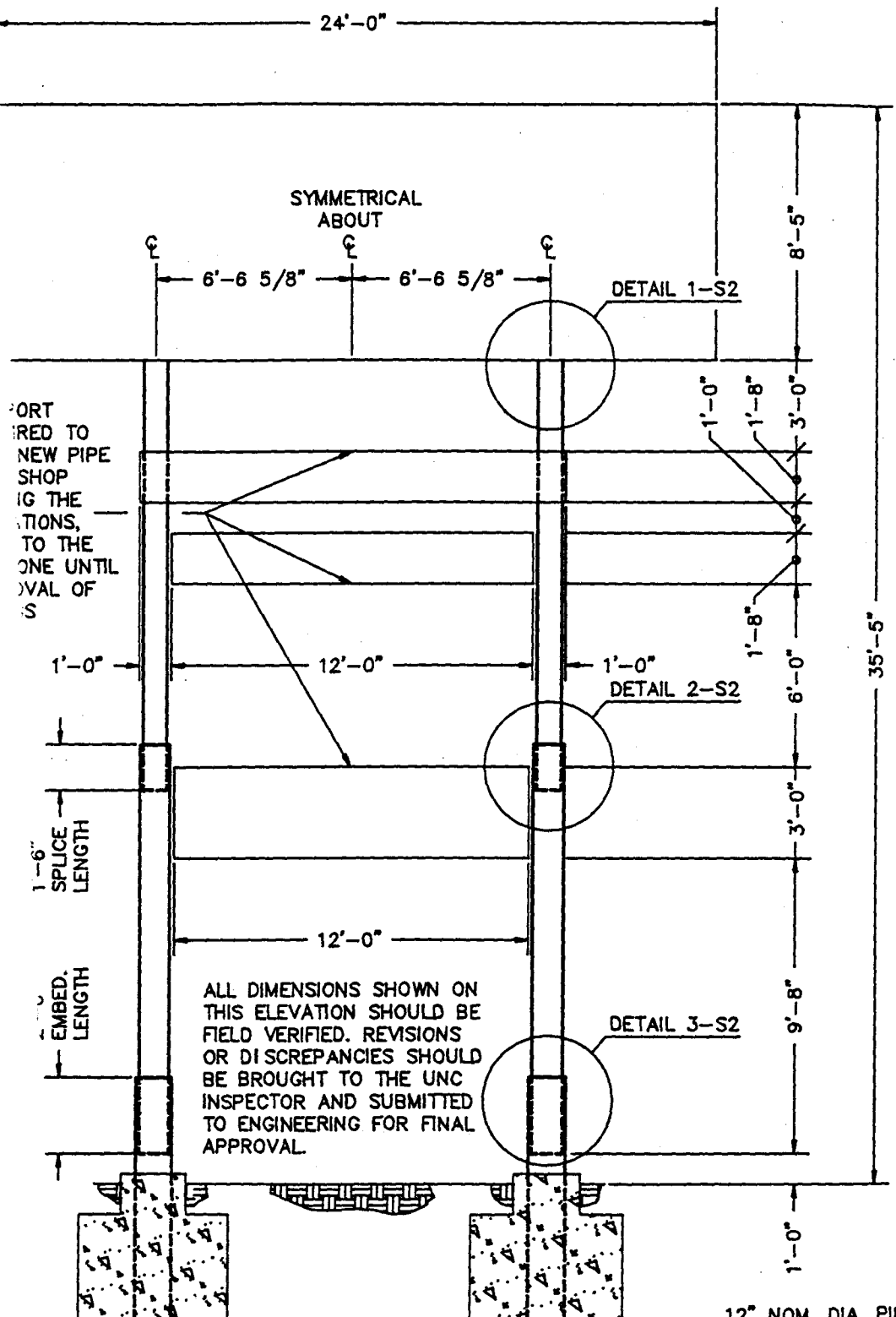
10" ϕ O.D. W/ .365" WALL THICKNESS

$$S = \frac{\pi(10.75^4 - 10.02^4)}{32(10.75)} = 29.90$$

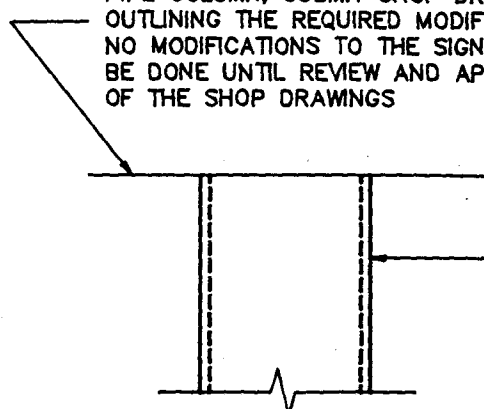
$$f_b = \frac{48.83(12)}{2(29.9)} = 9.8 \text{ KSI} \quad \checkmark \text{ O.K.}$$

BY INSPECTION, THE INCREASED DEFLECTION IS
CONSIDERED ALLOWABLE

USE A 10" ϕ (NOM) SCHED 40 PIPE
FOR THE UPPER COLUMNS, LOCATE
THE SPLICE ϕ AT THE TOP OF
SIGN NO. 3

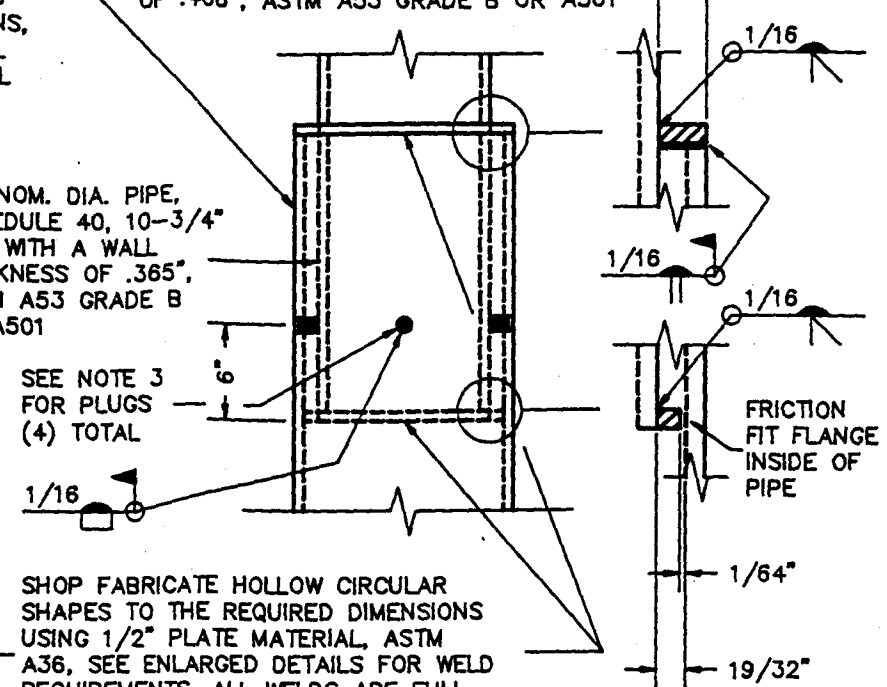


MODIFY INTERIOR SIGN FRAMING AS REQUIRED TO ACCOMODATE THE NEW PIPE COLUMN. SUBMIT SHOP DRAWINGS OUTLINING THE REQUIRED MODIFICATIONS, NO MODIFICATIONS TO THE SIGN SHALL BE DONE UNTIL REVIEW AND APPROVAL OF THE SHOP DRAWINGS



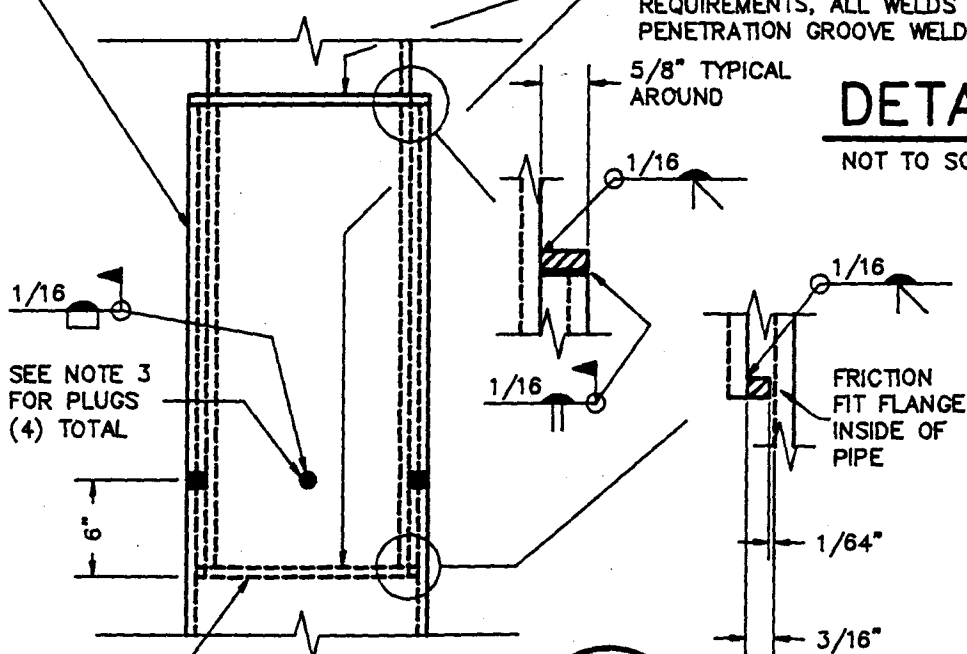
DETAIL 1
S2
NOT TO SCALE

12" NOM. DIA. PIPE, SCHEDULE 40, 12-3/4" O.D. WITH A WALL THICKNESS OF .406", ASTM A53 GRADE B OR A501



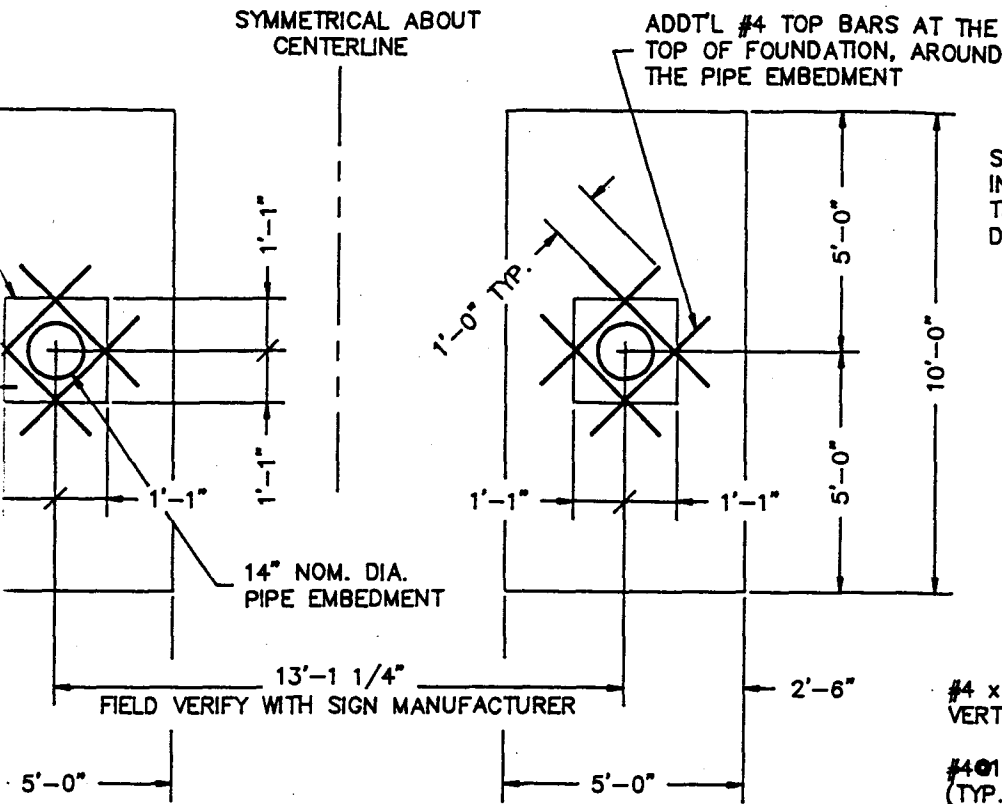
DETAIL 2
S2
NOT TO SCALE

14" NOM. DIA. PIPE EMBEDMENT (REF. DRAWING S1 FOR DETAILS)

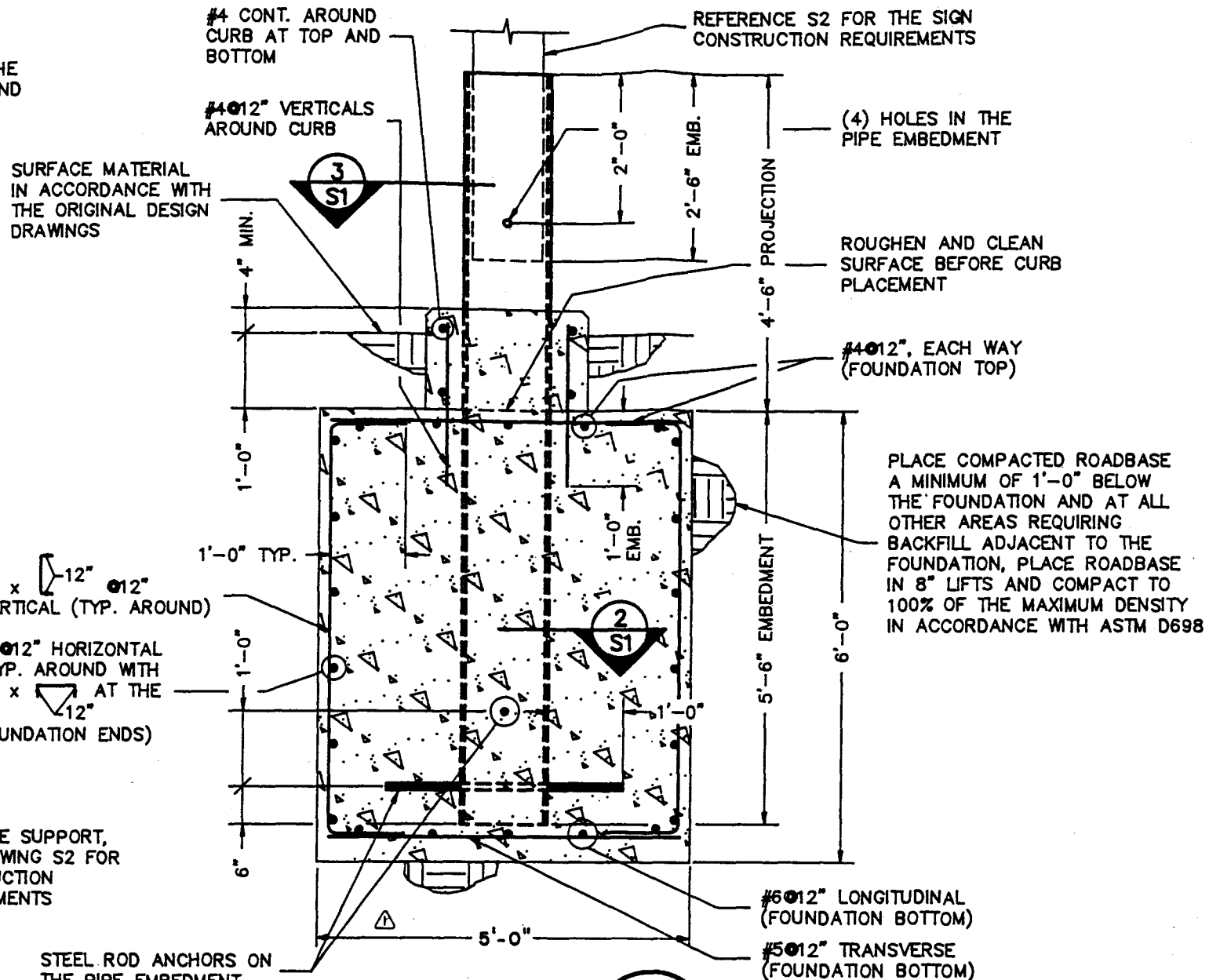
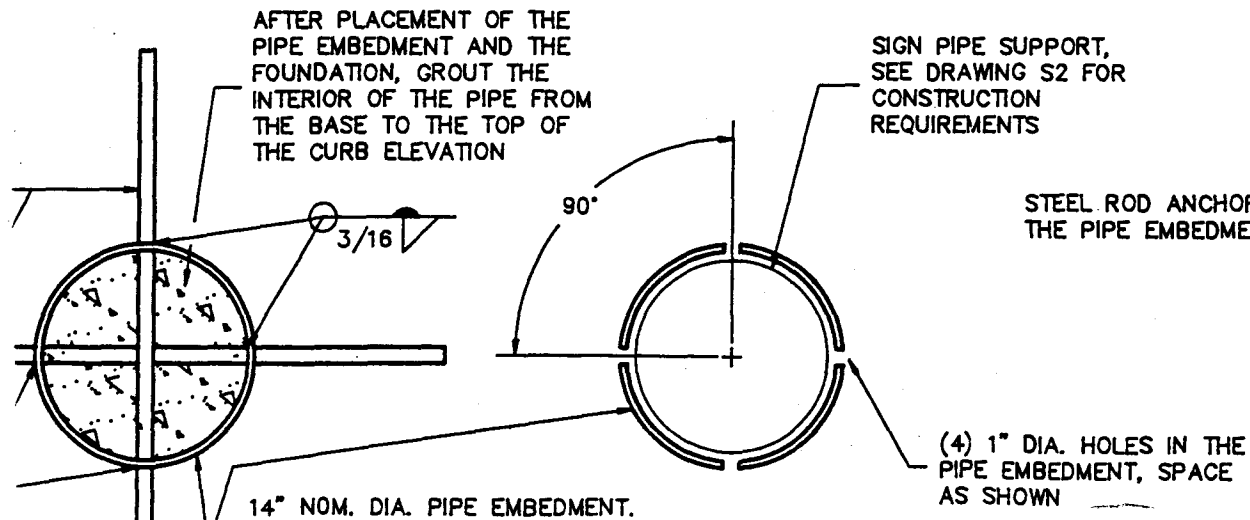


DETAIL 3
S2
NOT TO SCALE

- NOTES:
- 1) ALL WELDING SHALL BE WITH E60 SERIES ELECTRODES.
 - 2) ALL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36.
 - 3) FRICTION FIT 1" DIA. RODS INTO THE (4) 1" DIA. HOLES IN THE PIPE EMBEDMENT AS SHOWN, THE RODS SHOULD BE COUNTERSUNK AND BEARING AGAINST THE INTERIOR PIPE, PLUG WELD THE ASSEMBLY IN PLACE, HOLES AND RODS ARE LAID OUT WITH A 90 DEGREE ANGLE BETWEEN EACH OTHER. (REF. SECT. 3-S1 FOR ANGLE LAYOUT)
 - 4) ALL WELDS SHALL BE FINISHED SMOOTH, BURRS AND UNEVEN EDGES SHALL BE GROUND DOWN.
 - 5) ALL STEEL SHALL BE BRUSHED



SUPPORT FOUNDATION PLAN



SECTION 1 S1

NOT TO SCALE

- NOTES:
- 1) ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI.
 - 2) ALL REINFORCING SHALL BE GRADE 60.
 - 3) WELDING FOR THE PIPE EMBEDMENT SHALL BE WITH E60 SERIES ELECTRODES