



SCALE: 1"=50'



0 50 100

	R-1 STOP SIGN (30" X 30")
	R-1 STREET NAME
	R-1 SPEED LIMIT SIGN
	DOUBLE LINE
	PROPOSED SIGN LOCATION
	PROPERTY LINE
	TYPE B BLUE RAISED PAVEMENT MARKER
	EXISTING SIGN LOCATION
	EXISTING STREET NAME SIGN
	EXISTING STOP SIGN
	EXISTING SIDEWALK
	HOME BUILDER INSTALLED SIDEWALK
	DEVELOPER INSTALLED SIDEWALK
	ADA RAMP-DEVELOPER INSTALLED
	POSSIBLE DRIVEWAY LOCATION

ALL PERMANENT REGULATORY, WARNING, AND STREET NAME SIGNS ARE TO BE PROVIDED AND INSTALLED BY THE DEVELOPER TO COUNTY SPECIFICATIONS.

1. ALL TRAFFIC SIGNS SHALL BE MANUFACTURED AND INSTALLED ACCORDING TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (T.M.U.T.C.D.).
2. INSTALL SIGNS SUCH THAT THEIR VIEW IS NOT BLOCKED BY LOW HANGING VEGETATION, UTILITY POLES, OTHER TRAFFIC SIGNS, ETC.. REFER TO CITY OF SAN ANTONIO TRAFFIC SIGNAL DETAILS.
3. ALL PAVEMENT MARKINGS SHALL COMPLY WITH THE T.M.U.T.C.D. REFER TO CITY OF SAN ANTONIO STANDARD SPECIFICATIONS FOR CONSTRUCTION.
4. "DEAD END" WITH ARROW AND "NO OUTLET" WITH ARROW SHALL BE ON BOTH SIDES OF SIGN WHICH IS MOUNTED ABOVE STREET NAME.
5. FINAL SIGN INSTALLATION LOCATIONS TO BE DETERMINED BY CITY OF SAN ANTONIO (JUDGE CITY LIMITS) AND/OR BEXAR COUNTY. CONTRACTOR TO COORDINATE WITH SAME. PROPOSED SIGN LOCATIONS ARE FOR REFERENCE ONLY.

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	11/10/24	REVISED LOT LAYOUT	DMC
2	09/05/25	DIEL LOT LABEL FOR ROADWAY DEDICATION AREA	DMC
3	04/10/26	REV. DEVELOPER SAN AND PAVING SPACES(S)	DMC
APPROL /		DOCN. BY:	DMCN. BY:
23/06/27			
		CHNG. BY:	DATE:

MTR

- Engineers
- Surveyors
- Planners

Moy Tarin Ramirez Engineers, LLC

SPILLS: ENGINEERING F-529/SURVEYING: F-101315000
127770 CAMARON PATH, SUITE 100 TEL: (210) 698-0501



VERDIN SUBDIVISION, UNIT 2
OVERALL TRAFFIC PLAN

SHEET 1

C4.

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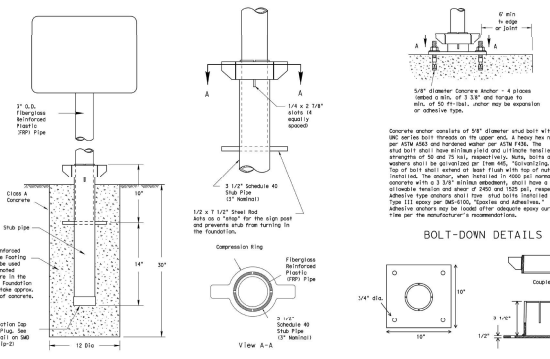
MTK

• Engineers
• Surveyors
• Planners

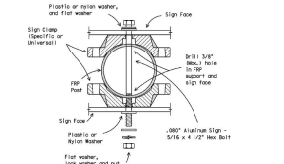
Moy Tarin Ramirez Engineers, LLC
OFFICES: ENGINEERING F-5297/SURVEYING: F-10131500
12770 CAMARON PARK, SUITE 100 TEL: (210) 686-5051
SAN ANTONIO, TEXAS 78240 FAX: (210) 698-5685

PAUL LANDA, JR.
100182
LICENSED PROFESSIONAL ENGINEER

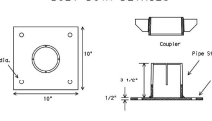
VERDIN SUBDIVISION, UNIT 2
TRAFFIC PLAN DETAILS



Typical Sign Mounting Detail
for FRP Support with Back-to-Back Signs



BOLT-DOWN DETAILS



GENERAL NOTES:

1. FFP sign supports for a single type sign support may be used for signs up to and including 16 square feet. Dual post installation may be used for signs up to and including 32 square feet.
2. All nuts, bolts and washers shall be galvanized per Item 445, "Galvanizing."
3. See the Traffic Operations Division website for detailed drawings of sign clamps. The website address is:

END-USER REQUIREMENTS

1. Materials shall conform to the requirements of Departmental Material Specification DMS-4410 and will be furnished in a yellow or gray color as specified elsewhere in the plans.
2. Thickness of FRP sign support is $0.125" \pm 0.031"$, $\pm 0.0"$.
3. FRP sign supports are prequalified by the Traffic Operations Division. Prequalification procedures are obtained by writing:
Texas Department of Transportation
Traffic Operations Division
125 East 11th Street
Austin, Texas 78701-2483

UNIVERSAL ANCHOR SYSTEM INSTALLATION PROCEDURES

1. Dip foundation: When solid rock is encountered at ground level, the foundation shall be a minimum depth of 18". When solid rock is encountered below ground level, the foundation shall be a minimum of 18" below the rock or 18" or provide a minimum foundation depth of 30". If solid rock is encountered, the depth of 18" may be reduced in length as required to provide a depth of 18". Any material removed from the subsurface shall be from the bottom and the clearance requirements given on SAGD/CIS must be maintained.
2. Drilling: Drilling shall be performed in accordance with the following:
 - a. Drilling shall be performed by a competent person with the use of a core or other debris.
 - b. Drilling shall be performed by a competent person. If 2" or 2 1/2" rods are to be used with a portable, hand driven coring device, for small blowdowns or for small diameter holes, the use of a hand driven coring device is permitted by Engineer. Larger holes shall be Cased.
 - c. Insert base post to foundation line to define above and drill hole with casing. The casing shall be 18" or 24" in diameter or 18" or 24" in diameter installed in solid rock.
 - d. The casing shall be set with coupler using a tapered line and let casing sit at a minimum of 4 days, unless otherwise directed by Engineer.
 - e. The casing shall be above the clearance requirements.
 - f. Attach sign to RPP post.
 - g. Insert sign into base post. Lower until the post comes to rest on the casing.
3. The hammer to ensure the casing is firmly seated. Top of casing should be 18" above the casing.
4. Check sign to ensure there is the correct, if false, increase the tightening of the sign.

 Texas Department of Transportation

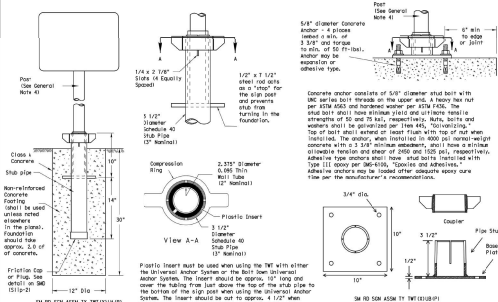
**SIGN MOUNTING DETAILS
SMALL ROADSIDE SIGNS
UNIVERSAL ANCHOR SYSTEM
WITH FRP POST**

SMD (FRP) = 0.

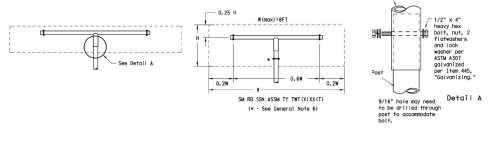
TAXID July 2002		Gas TAXID	Site TAXID	Site TAXID	Site
1-DE	901031000	Gas 1	Site 1		901031000
		Gas 2	Site 2		901031000

Wedge Anchor
Steel System

Universal Anchor System
with Thin-Walled Tubing Post



Sign Installation Using a Prefabricated T-Brocket for Thin-Wall Tubing Post



GENERAL NOTES:

- The Wedge Anchor System and the Universal Anchor System with thin wall tubing post may be used to support up to 10 square feet of sign area.
- The tubular socket, wedge and prefabricated T-bracket shall be permanently marked to indicate manufacturer, design and date of marking are subject to the approval of the TSOOT Traffic Structures Engineer.
- Except for posts 12 BWG tubing, clamps, nuts and bolts, all components shall be prefabricated. A list of prefabricated vendors may be obtained from the Material Procurement web page. The website address is <http://www.Tsoti.org/Tools/Procurement/Products.htm>
- Material used on post with this system shall conform to the following specifications:

13 89S Tubing 12.375"
0.095" nominal wall

- Seamless or electric-resistance welded steel tubing
Steel shall be HSLA or 95 per ASTM A101 or ASTM A108
Other steels may be used if they meet the following
55,000 PSI minimum yield strength
95,000 PSI minimum tensile strength
18% minimum elongation in 2"
Wall thickness (uncoated) shall be within the range of .085" to .099"
Outside diameter (uncoated) shall be within the range of 2.369" to 2.381"
Galvanization per ASTM 123 or ASTM A553 G210. For pregalvanized steel tubing ASTM
A553, recast tube outside diameter weld seam by metallizing with zinc wire
per ASTM B633.

Additional sign plane
plane is least 1" over

- Sign supports shall not be applied except where shown. Sign support posts shall not be loaded.
- See the Traffic Operations Division website for detailed drawings of sign clamps and Wedge Anchor System components. The website address is:
<http://www.trodot.com/publications/index.html>
- EDGE ANCHOR SYSTEM INSTALLATION PROCEDURE**
1. Dig foundation hole. Where solid rock is encountered at ground level, the foundation shall be a minimum depth of 18". When solid rock is encountered below ground level, the foundation shall extend into the solid rock a minimum depth of 18". The hole shall be a minimum depth of 18".

encountered, the so-called length of 18". Any

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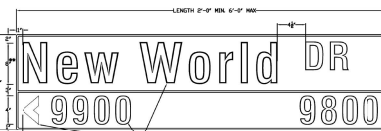
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Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS
SMALL ROADSIDE SIGNS
WEDGE & UNIVERSAL ANCHOR

L TUBING POS

TxDOT July 2002		Net TMBT	Gra TMBT	NA TMBT	CA
1-08	REVISED	Bus-T	SECT	Avr	W300m
		Notes	Quantity		Sheet



	18" OVERHEAD SIGN	6" GROUND MOUNT SIGN
HEIGHT	17" (381 mm)	17" (381 mm)
LENGTH	48" (1200 mm) MIN. 72" (1800 mm) MAX. Intermountable in 6" increments	24" 500 mm MIN. 60" 1500 mm MAX. Intermountable in 6" increments
THICKNESS	0.125" (3 mm)	
SUBSTRATE	ALUMINUM ALLOY, 5052-H30 (ASTM B-209) COLD CHROMATE FINISH	
SKIN FACE MATERIALS	BLUE FILM* OVER CHROMATE GRADE -ACTY 35 Non-Fluorescent	BLUE FILM* OVER HIGH IN SENSITY FLUORESCENT -ACTY TYPE
LETTERING AND SYMBOLS	REFLECT-O-GRAPH * IF NAME OTHERWISE EXCEEDS MAXIMUM SIGN LENGTH	
COLOR	WHITE LETTERING ON BLUE BACKGROUND	
TEXTURE	100% AIRABLE	

TRACKING	10% (MIN.)	97%
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★ ACRYLIC ELECTRONIC CUTTABLE FILM

SPIRAL VASE DISTILLATION

MAST ARM DISTILLATION

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