

GENERAL NOTES:

DESIGN REFERENCES:

1. ASHTO - STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGN, LUMINAIRES AND TRAFFIC SIGNALS - SECOND DRAFT, MAY, 1998, OR LATER DRAFTS OF SAID SPECIFICATION.
2. ASHTO - STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES. (LATEST EDITION)

DESIGN LOADS:

1. WIND - 125 M.P.H.
2. ALLOWABLE BEARING PRESSURE 2000 P.S.F.
3. INTERNAL FRICTION ANGLE $\phi = 22$

MATERIALS:

1. CONCRETE: CLASS A - $f'c = 3,000$ psi
2. STEEL: REINFORCING STEEL ASHTO M31 (ASTM A615) GRADE 60.

CONCRETE COVER:

1. FOOTING
TOP & SIDES 0.075
2. PEDESTAL
TOP & SIDES 0.075

MISCELLANEOUS:

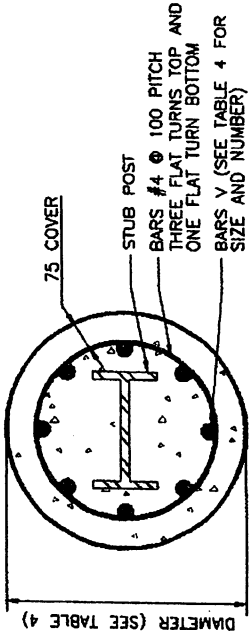
1. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 0.025 WHETHER OR NOT SUCH CHAMFERS ARE SHOWN ON THE PLAN DETAILS.
2. PRIOR TO ERECTION OF THE POST, THE BACKFILL MATERIAL SHALL BE IN PLACE.

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND OBSTRUCTIONS TO THE CONSTRUCTION OF THE GROUND MOUNTED FOOTING BY MEANS OF TEST PITS, REMOTE SENSING OR ANY OTHER METHOD SELECTED BY THE CONTRACTOR. IF OBSTRUCTIONS ARE DETECTED, THE CONTRACTOR SHALL AVOID THEM BY USING THE DRILLED SHAFT FOOTING OR RELOCATING THE SIGN STRUCTURE WITH THE CONSENT OF THE ENGINEER. THE EXPLORATION FOR THE UNDERGROUND OBSTRUCTIONS AND RELOCATION STRUCTURES ARE A SUBSIDIARY OBLIGATION OF THE CONTRACTOR.
2. ON CAST IN PLACE DRILLED SHAFTS, THE CONCRETE SHALL BE POURED AGAINST UNDISTURBED SOIL.

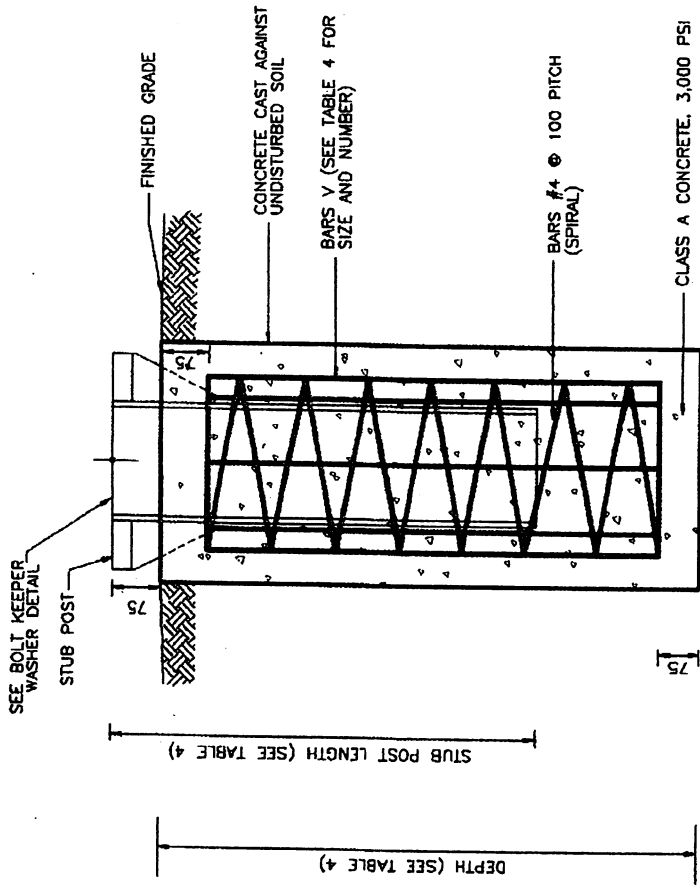
TABLE 8

FOUNDATION DATA				
POST SECTION	DIAMETER (MTS)	DEPTH (MTS)	STUB LENGTH (MTS)	REINFORCEMENT BARS V
W6x12	0.60	2.30	0.70	10 - #7
S4 x 7.7	0.60	1.50	0.70	10 - #7
S5 x 10	0.60	1.70	0.70	10 - #7

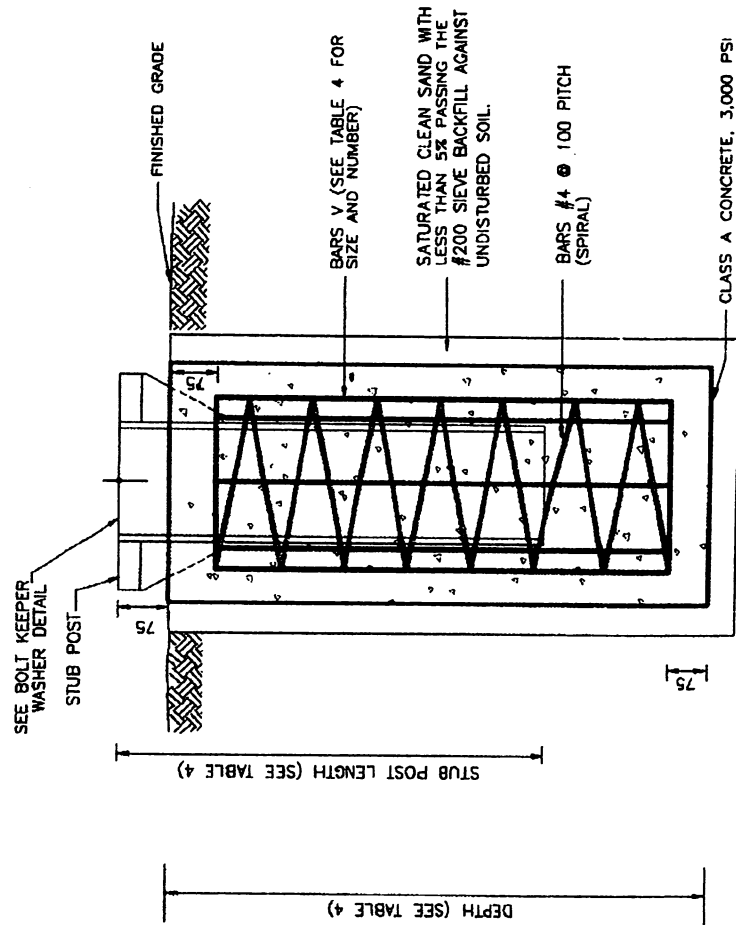


TOP VIEW

CAST IN PLACE AND PRECAST



ELEVATION VIEW
CAST IN PLACE



ELEVATION VIEW
PRECAST

STUB POST SHALL BE CAST WITH PRECAST FOUNDATION

EFFECTIVE DATE: JULY 2000

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY AND TRANSPORTATION AUTHORITY

RECOMMENDED BY:
ASST. DIR. FOR TRAFFIC
DATE: 11-1-99
APPROVED BY:
EXECUTIVE DIRECTOR
DATE: 11-1-99

GROUND MOUNTED
BREAK-AWAY SIGNS
EXIT NUMBER PANEL

FOUNDATIONS
DRILLED SHAFTS

DATE: 05-2000
REVISION: I.V.
BY: I.V.
GENERAL REGION

STD. GMTS
DWG. 12D OF 15