

POST AND FOUNDATION TABLE

SIGN HEIGHT, H	SIGN WIDTH, W																		
	ONE POST			TWO POSTS										THREE POSTS		FOUR POSTS			
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0" TO 24'-0"	25'-0"	26'-0" TO 32'-0"	
1'-0"				S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S4 x 9.5 4'-0"/4'-0"	S3 x 5.7 4'-0"/4'-0"	S4 x 9.5 4'-0"/4'-0"	
1'-6"				S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-6"	S3 x 5.7 3'-9"/3'-9"	S3 x 5.7 4'-0"/3'-9"	S3 x 5.7 4'-0"/3'-9"	S3 x 5.7 4'-0"/3'-9"	S3 x 5.7 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-3"/4'-0"	S4 x 9.5 4'-0"/4'-0"	S4 x 9.5 4'-3"/4'-0"	
2'-0"				S3 x 5.7 3'-9"/3'-9"	S3 x 5.7 4'-0"/3'-9"	S3 x 5.7 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-3"/4'-0"	S4 x 9.5 4'-3"/4'-0"	S4 x 9.5 4'-3"/4'-0"	
2'-6"				S3 x 5.7 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-0"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S6 x 12.5 4'-6"/4'-0"	S4 x 9.5 4'-3"/4'-0"	S6 x 12.5 4'-6"/4'-0"	
3'-0"	3" Ø 4'-0"/4'-0"	4" Ø 4'-0"/4'-0"	4" Ø 4'-3"/4'-0"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/3'-9"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	
4'-0"	4" Ø 4'-0"/4'-0"	4" Ø 4'-3"/4'-0"	5" Ø 4'-6"/4'-0"	S4 x 9.5 4'-3"/3'-9"	S4 x 9.5 4'-3"/4'-0"	S4 x 9.5 4'-3"/4'-0"	S4 x 9.5 4'-3"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"
5'-0"	4" Ø 4'-3"/4'-0"	5" Ø 4'-6"/4'-0"	5" Ø 4'-6"/4'-3"	S4 x 9.5 4'-3"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"
6'-0"	5" Ø 4'-6"/4'-0"	5" Ø 4'-9"/4'-3"	6" Ø 4'-9"/4'-3"	S4 x 9.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S6 x 12.5 4'-6"/4'-0"	S8 x 18.4 5'-6"/4'-6"	S6 x 12.5 4'-6"/4'-0"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"
7'-0"	5" Ø 4'-9"/4'-0"	6" Ø 5'-0"/4'-3"	6" Ø 5'-0"/4'-3"	S6 x 12.5 4'-9"/4'-0"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 4'-9"/4'-3"	S8 x 18.4 5'-6"/4'-9"	S8 x 18.4 5'-6"/4'-9"	S8 x 18.4 5'-6"/4'-9"	S8 x 18.4 5'-6"/4'-9"
8'-0"	5" Ø 4'-9"/4'-3"	6" Ø 5'-0"/4'-3"	6" Ø 5'-6"/4'-6"	S6 x 12.5 4'-9"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-0"/4'-3"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"
9'-0"	6" Ø 5'-0"/4'-3"	6" Ø 5'-6"/4'-6"	8" Ø 5'-6"/4'-6"	S6 x 12.5 5'-0"/4'-3"	S6 x 12.5 5'-6"/4'-6"	S6 x 12.5 5'-6"/4'-6"	S6 x 12.5 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"
10'-0"	6" Ø 5'-6"/4'-3"	8" Ø 5'-6"/4'-6"	8" Ø 6'-0"/5'-0"	S6 x 12.5 5'-6"/4'-3"	S6 x 12.5 5'-6"/4'-6"	S6 x 12.5 5'-6"/4'-6"	S6 x 12.5 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 5'-6"/4'-6"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"
11'-0"	SEE NOTE 3			S6 x 12.5 5'-6"/4'-6"	S6 x 12.5 5'-6"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"
12'-0"				S6 x 12.5 5'-6"/4'-6"	S6 x 12.5 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"
13'-0"				S8 x 18.4 6'-0"/4'-6"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"
14'-0"				S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-6"/4'-9"	S8 x 18.4 6'-6"/4'-9"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"
15'-0"				S8 x 18.4 6'-0"/4'-9"	S8 x 18.4 6'-6"/4'-9"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"	W10 x 19 6'-6"/5'-0"
16'-0"				S8 x 18.4 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"
17'-0"				S8 x 18.4 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"
18'-0"				W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"
19'-0"				W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"
20'-0"				W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"
21'-0"				W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"
22'-0"				W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"	W10 x 19 6'-6"/5'-6"

TABLE KEY

TOP VALUE: PIPE DIAMETER (Ø) OR STRUCTURAL SHAPE  
 BOTTOM VALUE: MINIMUM FOUNDATION EMBEDMENT - SOFT OR LOOSE SOIL/MEDIUM SOIL

SOIL CONDITIONS TABLE

SOFT OR LOOSE SOIL		MEDIUM SOIL	
COHESIVE	GRANULAR	COHESIVE	GRANULAR
MOIST UNIT WEIGHT = 110 PCF COHESION (C) = 750 PSF STRAIN FACTOR (E50) = 0.01 SOIL MODULUS (K) = 100 PCI	UNIT WEIGHT = 115 PCF SHEAR STRENGTH = 30° SOIL MODULUS (K) = 50 PCI	MOIST UNIT WEIGHT = 125 PCF COHESION (C) = 1,500 PSF STRAIN FACTOR (E50) = 0.007 SOIL MODULUS (K) = 500 PCI	UNIT WEIGHT = 125 PCF SHEAR STRENGTH = 34° SOIL MODULUS (K) = 90 PCI

NOTES:

- SEE STD DWG SN 15B1 FOR GENERAL NOTES.
- USE THE HIGHER VALUES WHEN SIGN HEIGHT OR WIDTH FALLS BETWEEN TWO VALUES.
- USE OF Z-BAR IS PERMITTED FOR SIGN APPLICATIONS WITHIN DASHED LINE AREA, SEE STD DWG SN 8. DO NOT USE Z-BAR FOR MULTIPANEL SIGN APPLICATIONS.
- USE EMBEDMENT VALUES FOR SOFT OR LOOSE SOIL CONDITIONS UNLESS OTHERWISE SHOWN.

DESIGN-ONLY NOTES:

- USE EMBEDMENTS FOR SOFT OR LOOSE SOIL CONDITIONS UNLESS GEOTECHNICAL ENGINEER RECOMMENDS THAT THE SITE MEETS OR EXCEEDS THE MEDIUM SOIL CONDITIONS.

SUPPLEMENTAL DRAWING

NO.	DATE	APPR.	REMARKS
1	8/31/17		ADDED MISSING NOTE 3 REFERENCE TO TABLE

UTAH DEPARTMENT OF TRANSPORTATION  
 STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION  
 SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL  
 CHAIRMAN STANDARDS COMMITTEE  
 APPROVED

DEPUTY DIRECTOR

DATE: AUG. 31, 2017

DATE: AUG. 31, 2017

FREEWAY SIGN  
 POST AND FOUNDATION  
 REQUIREMENTS

STANDARD DRAWING TITLE

STD. DWG. NO.  
 SN 15B2