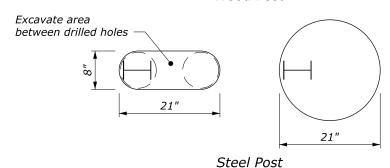
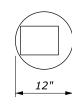


Wood Post



PLAN VIEW



Wood Post

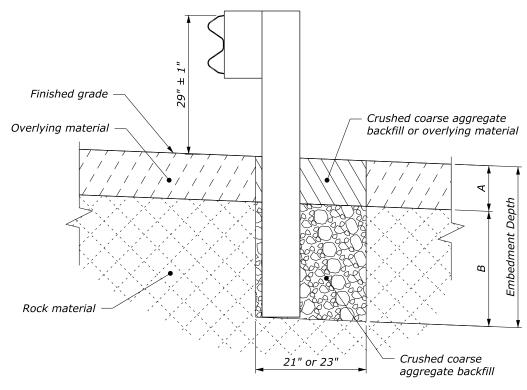


Steel Post

PLAN VIEW

NOTE:

- 1. Use this standard when posts cannot be embedded to the minimum depth shown on Standards 617-10 or 617-11.
- 2. Unless otherwise specified use either the circular or the oblong hole configuration for Case 1 conditions.
- 3. Crushed coarse aggregate backfill conforms to "coarse aggregate for concrete" or "granular backfill for underdrain pipe with geotextile" in Section 703.
- 4. Place crushed coarse aggregate according to the post requirements in Section 617.
- 5. Treat field cut galvanized steel post surfaces that expose the base metal with two coats of zinc-oxide paint.



Finished grade Overlying material Crushed coarse aggregate backfill or overlying material Rock material 8" or 12" Crushed coarse aggregate backfill

ELEVATION

Case 1: Overlying material depth (A) is 18" or less.

POST EMBEDMENT DIMENSIONS			
HOLE TYPE	EMBEDMENT DEPTH	OVERLYING MATERIAL (A)	DRILLING DEPTH (B)
Case 1	24" to 42"	0 to 18"	24"
Case 2	30" to 42"	> 18" to 30"	12"
	42"	> 30"	42" - A

ELEVATION

Case 2: Overlying material depth (A) is greater than 18".

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD

G4 W-BEAM GUARDRAIL INSTALLATION IN ROCK

NO SCALE

STANDARD APPROVED FOR USE --/---- STANDARD
REVISED:
DRAFT: 6/2014 617-13