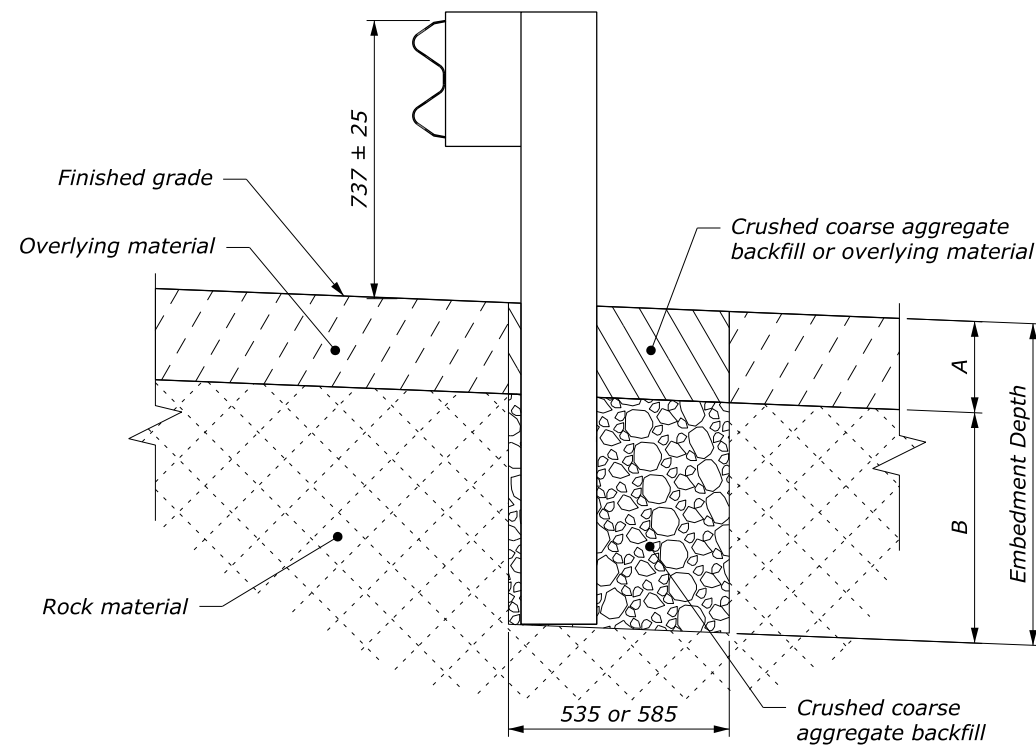


NOTE:

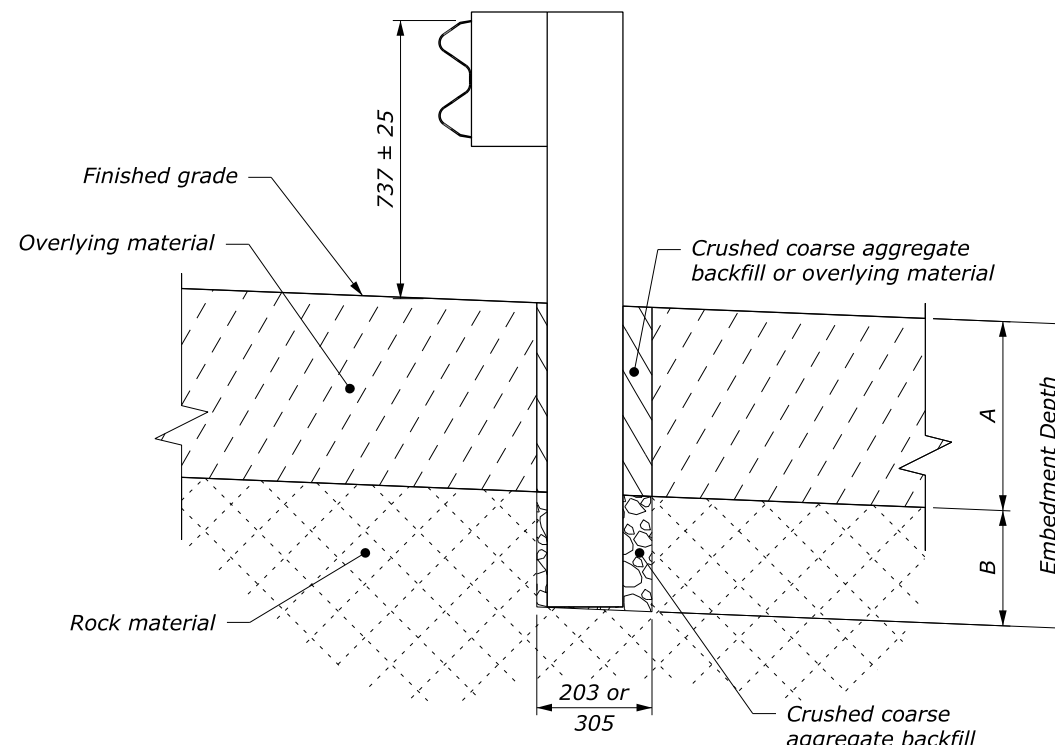
1. Use this standard when posts cannot be embedded to the minimum depth shown on Standards M617-10 or M617-11.
2. Unless otherwise specified use either the circular or the oblong hole configuration for Case 1 conditions.
3. Crushed coarse aggregate backfill conforms to "coarse aggregate for concrete" 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.
6. Furnish hardware in the metric sizes shown. Equivalent US Customary sizes may be used when metric sizes are unavailable.
7. Dimensions without units are millimeters.



ELEVATION

Case 1: Overlying material depth (A) is 457 mm or less.

POST EMBEDMENT DIMENSIONS			
HOLE TYPE	EMBEDMENT DEPTH	OVERLYING MATERIAL (A)	DRILLING DEPTH (B)
Case 1	610 to 1065	0 to 457	610
Case 2	760 to 1065	> 457 to 760	305
	1065	> 760	1065 - A



ELEVATION

Case 2: Overlying material depth (A) is greater than 457 mm.

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
METRIC STANDARD	
G4 W-BEAM GUARDRAIL INSTALLATION IN ROCK	
STANDARD APPROVED FOR USE --/----	STANDARD
REVISED: DRAFT: 6/2014	M617-13