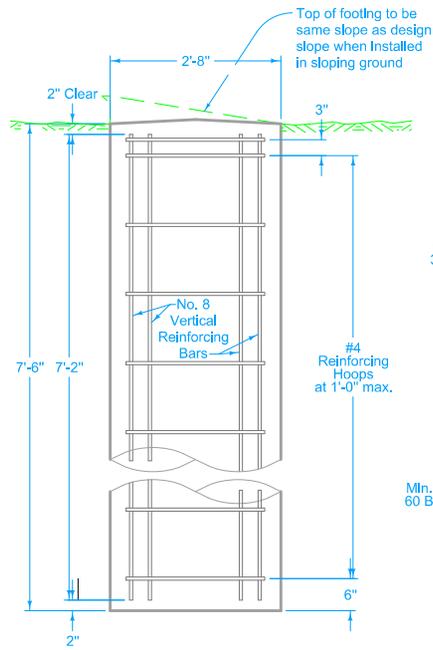


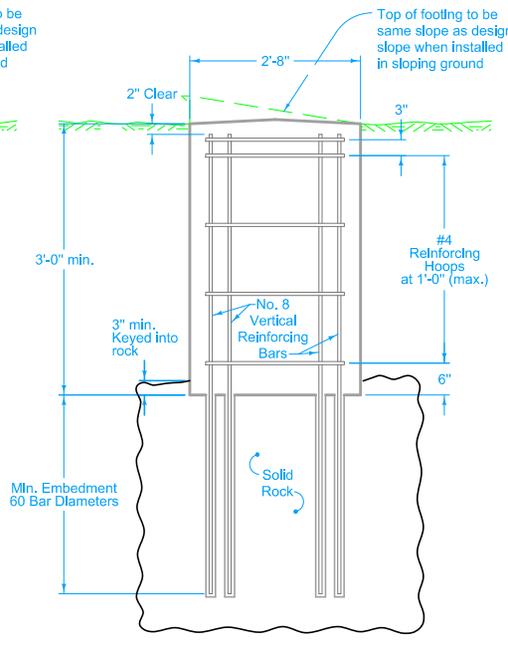
FRONT ELEVATION

SIDE ELEVATION

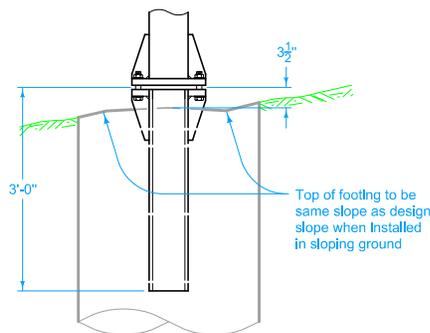
4" x 6" RECTANGULAR TUBE POST FOR INTERSTATE SPEED SIGNS



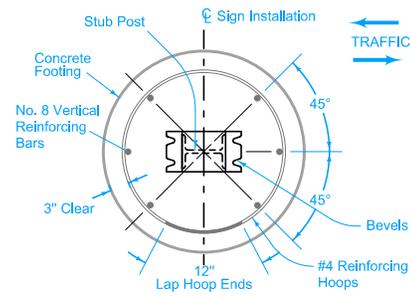
INSTALLATION NORMAL FOOTING IN EARTH



ALTERNATE DESIGN ① FOOTING IN SOLID ROCK



BREAKAWAY POST INSTALLATION



PLAN
(Reinforcing Placement and Sign Orientation)

Plumb signpost by installing brass stock or strip shims complying with ASTM B 36. Furnish two shims each of 0.012" and 0.032" thickness (total of 4 per post).

Construct the footing as shown for normal footing in earth. Where solid rock is encountered, the alternate design for footing in solid rock may be used with the approval of the Engineer.

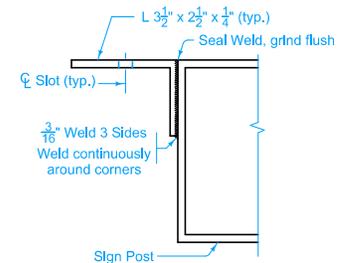
Dispose of all excavation for the footing in the area adjacent to the footing and shape to normal ground contour, unless directed otherwise by the Engineer.

Hold the stub post in proper position by an approved device to ensure that it remains in proper position upon completion of concrete placement.

The contract price for size of footing required is full compensation of footing as detailed hereon, including all necessary excavation regardless of character.

- ① Set vertical bars in solid rock as follows:
1. Drill holes twice bar diameter and fill with water.
 2. When hole is fully saturated, blow water out and fill two-thirds depth with sand cement mortar.
 3. Insert bar and consolidate mortar.
 4. Fill hole to top with mortar.

Possible Contract Items:
Concrete Footing for Breakaway Sign Post
Steel Breakaway Sign Post, Rectangular Tube



SECTION A-A

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Updated welds. Modified notes. Rearranged drawings.</p>	REVISION	10-16-12
	2	
	<p>SI-114</p> <p>SHEET 1 of 2</p>	

Deanna McFild
APPROVED BY DESIGN METHODS ENGINEER

SUPPORT STRUCTURES - STEEL BREAKAWAY POSTS RECTANGULAR TUBE

