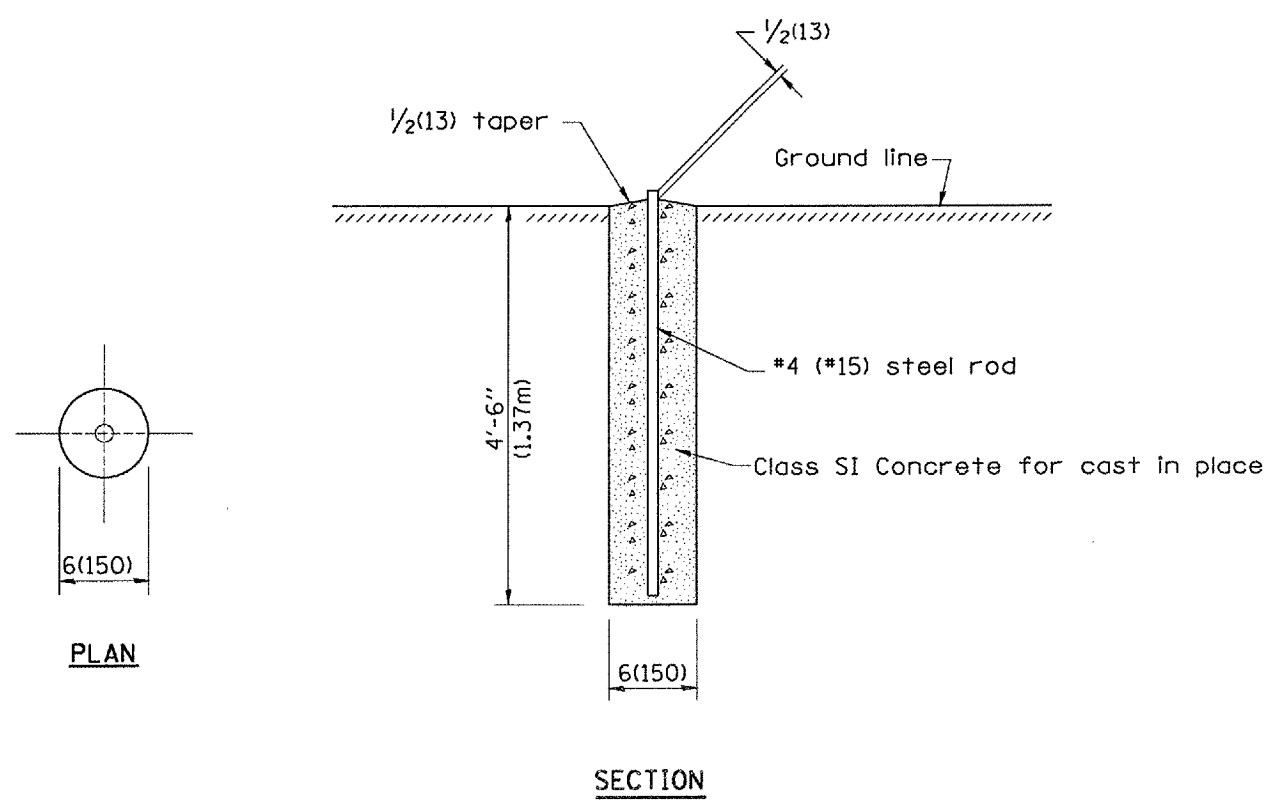## PERMANENT SURVEY TIES

○ Permanent Survey Tie
□ Section Corner, ¼ Corner, or other land corner.
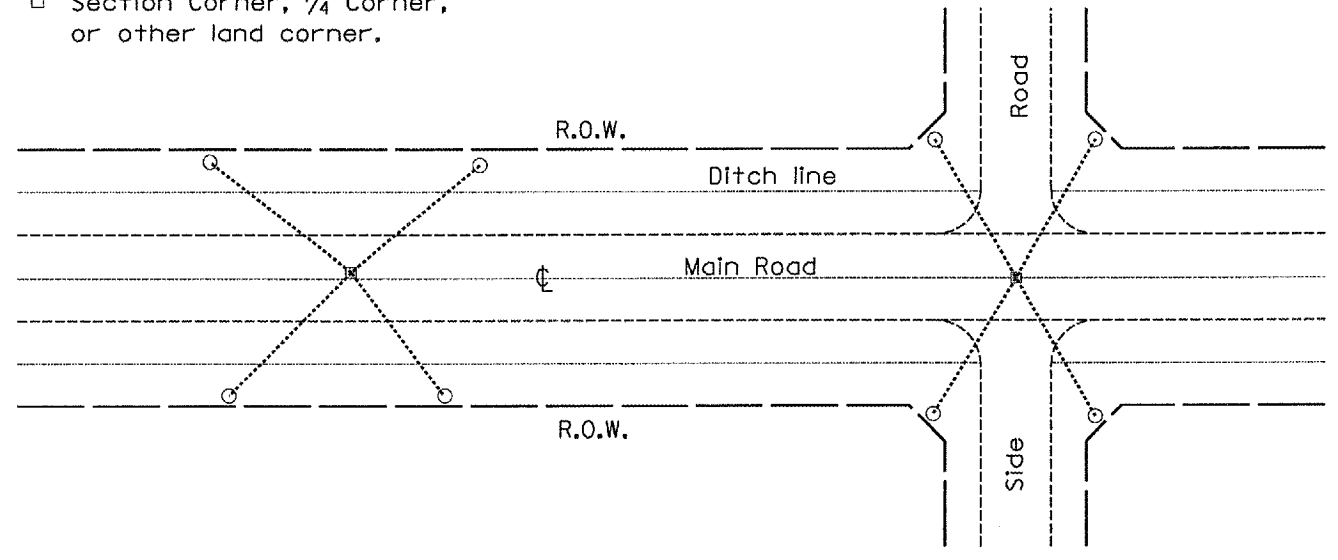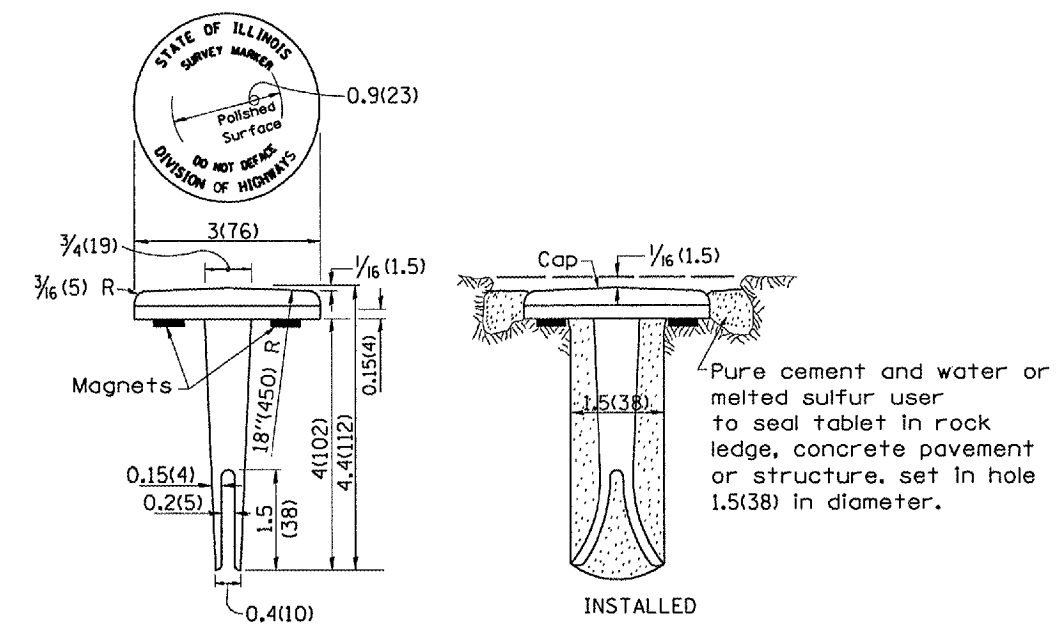

TYPICAL APPLICATION

GENERAL NOTES

1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the IDOT Chief of Surveys.

½(13)

½(13) taper

Ground line

4'-6" (1.37m)

#4 (#15) steel rod

Class SI Concrete for cast in place

6(150)

PLAN

6(150)

SECTION

PERMANENT SURVEY MARKERS

STATE OF ILLINOIS SURVEY MARKER
Polished Surface
DO NOT DEFACE
DIVISION OF HIGHWAYS

0.9(23)

¾(19)
³⁄₁₆(5) R
3(76)
¹⁄₁₆(1.5)
0.15(4)
18"(450) R
4(102)
4.4(112)
Magnets
0.15(4)
0.2(5)
1.5(38)
0.4(10)

Cap
¹⁄₁₆(1.5)
1.5(38)

Pure cement and water or melted sulfur user to seal tablet in rock ledge, concrete pavement or structure. set in hole 1.5(38) in diameter.

INSTALLED

BRONZE TABLET - No Scale
TYPE I

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.

2. Two permanent magnets, each having a diameter of ¾ (19) and a thickness of ¼ (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.

3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s and P.C.'s of horizontal curves and spaces along the tangents in a way that a minimum of two markers are alway inter-visible, and not to exceed 1000' (300m).

4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.

5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.

Ground line
10(250)
Class 'SI' Concrete mix
5' (1.5m)
(2) #4x4' (#15x1.2m) re-bars
2(50) min.
12 (300) min.
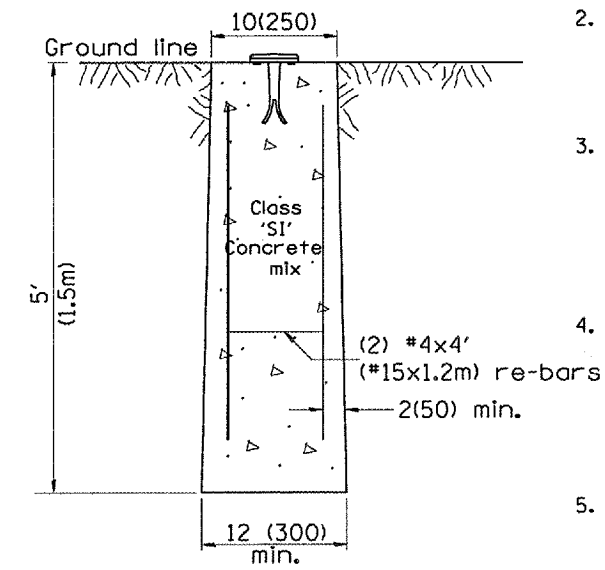
MARKER CAST IN PLACE
TYPE II

All dimensions are in inches (millimeters) unless otherwise noted.

DESIGNER NOTE:
1. ADD DISTRICT SPECIAL PROVISION.
2. MODIFIES STATE STD 667101 TO CALL FOR "BRONZE" TABLET.

$$DATE$$

•DGN-ONLY•