

APPENDIX 6

Standard Survey Monuments

Numerous types of monuments and numerous methods of marking those monuments are currently in use throughout Wisconsin in the perpetuation of Public Land Survey corners. Since this practice will greatly increase the difficulty of surveys in the future, it is suggested that uniform monument standards be adopted for use throughout the State. This appendix offers one such set of standards.

The following information and diagrams were obtained from or patterned after survey monument standards currently being used by the Missouri Land Survey, Division of Geology and Land Survey, Missouri Department of Natural Resources in Rolla, Missouri.

SURVEY MONUMENT STANDARDS

Where possible, a standard Wisconsin Land Survey monument will be set at the exact position of the corner to be perpetuated. All corners shall be marked and designated in accordance with Wisconsin Land Survey standards for marking monuments. The precise corner position shall be marked by a cross on the monument.

- (1) Corners in Open Ground will be monumented in accordance with a Type "A" installation.
- (2) Corners in Gravel or Asphalt Roads will be monumented in accordance with a Type "B" installation.
- (3) Corners in Rock Ledges, Concrete Structures, or Other Similar Conditions will be monumented in accordance with a Type "C" installation.
- (4) Corners in Concrete Pavement and Corners in which the Exact Position of the Corner Cannot Be Monumented will be monumented by reference to two witness monuments. Witness monuments shall be of Type "A", "B" or "C" installations and shall be set in such manner and position that the corner may be located by two distances or by angle and distance from these monuments.

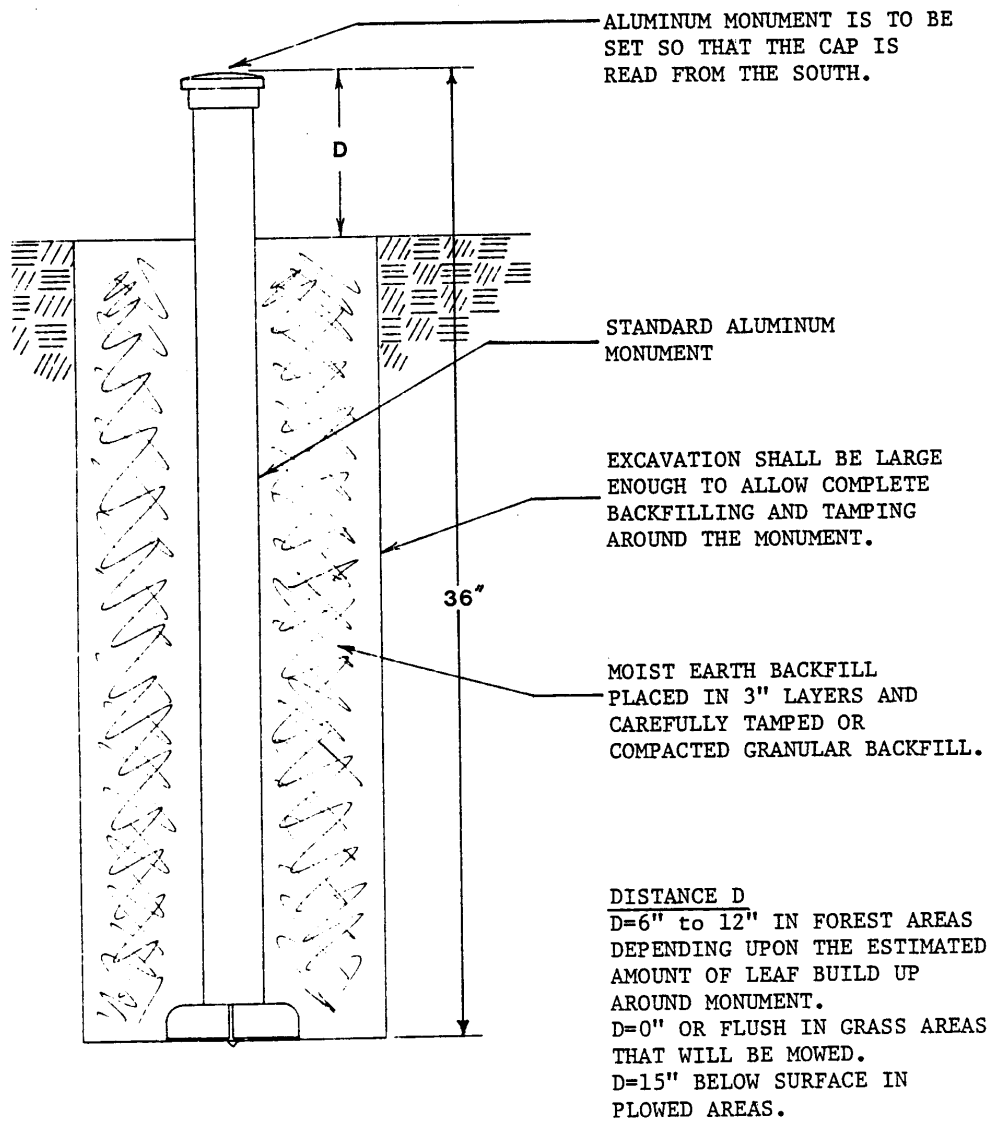
Where possible, four reference ties (bearing and distance) to durable objects will be made to provide relocation of the marked corner in the event of the monument being disturbed. Durable objects

may include building corners, marks on concrete pavement or structures, marks on ledges or bedrock, and metal or stone monuments set by the surveyor.

In order to aid in the preservation and to serve as a means of easy recovery of the monument established, a Wisconsin Land Survey standard identification post will set adjacent to the monument when practical.

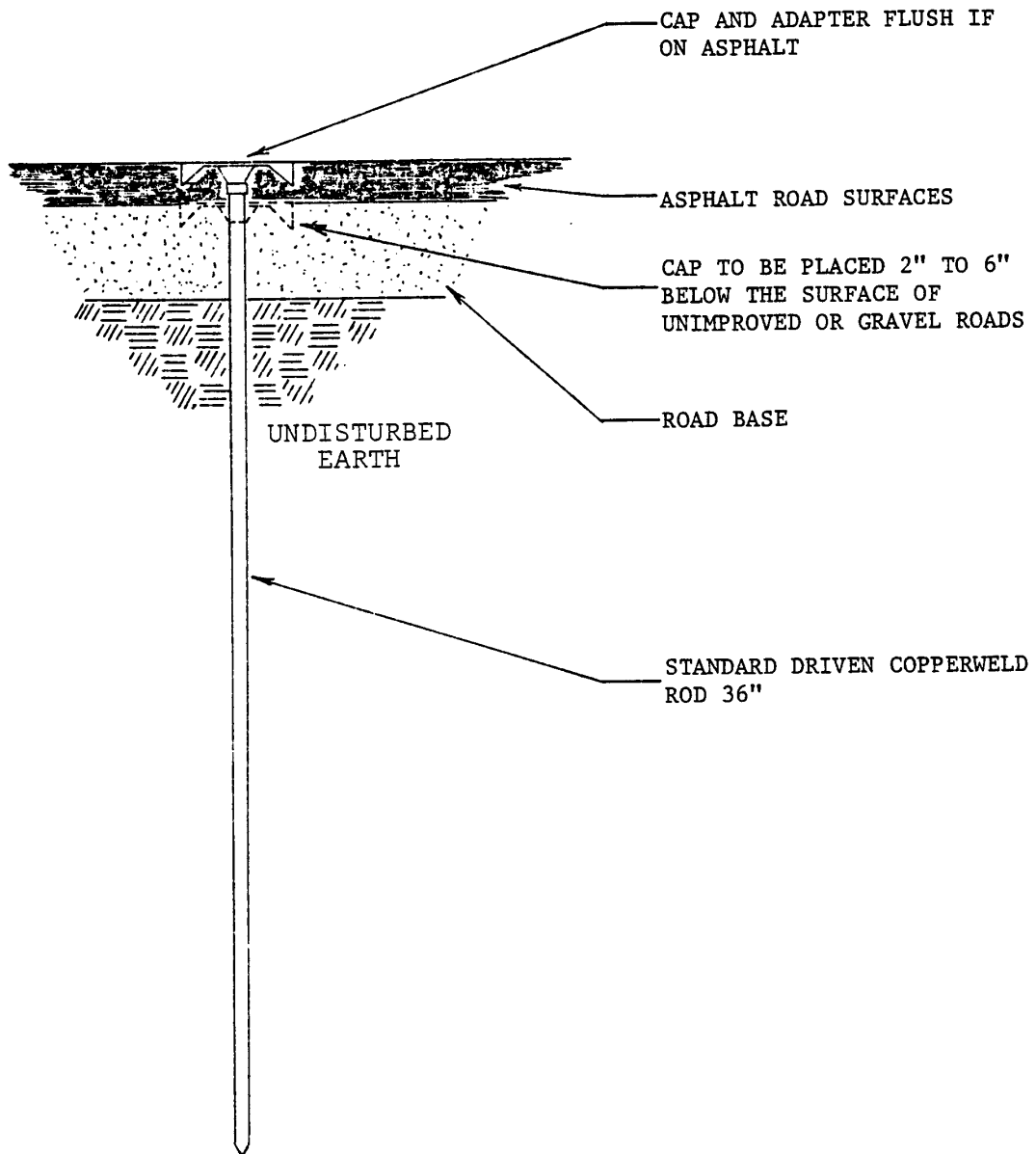
TYPE "A"

ALUMINUM MONUMENT INSTALLATION

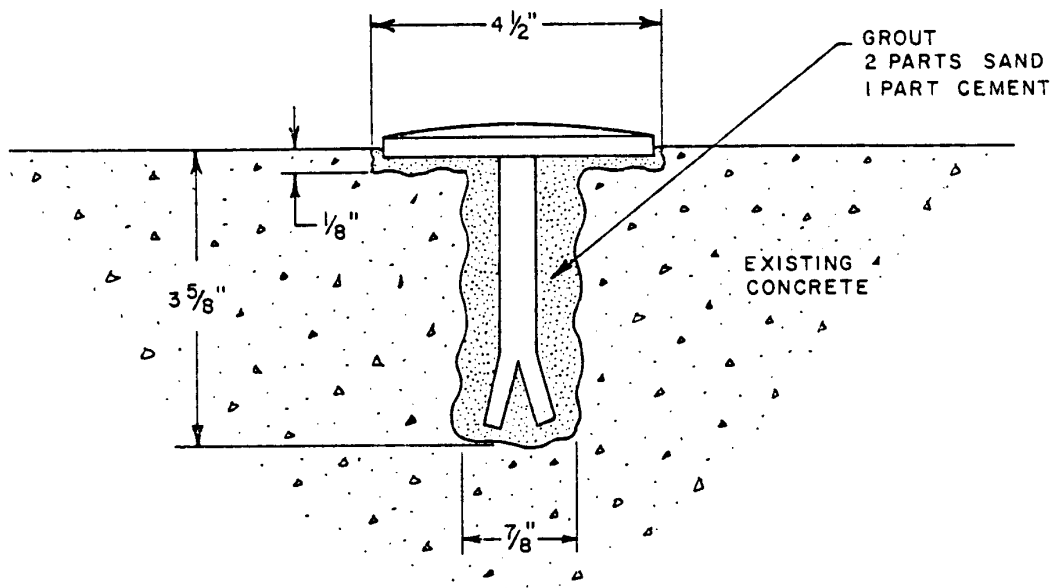


TYPE "B"

DRIVEN ROD INSTALLATION



TYPE "C"

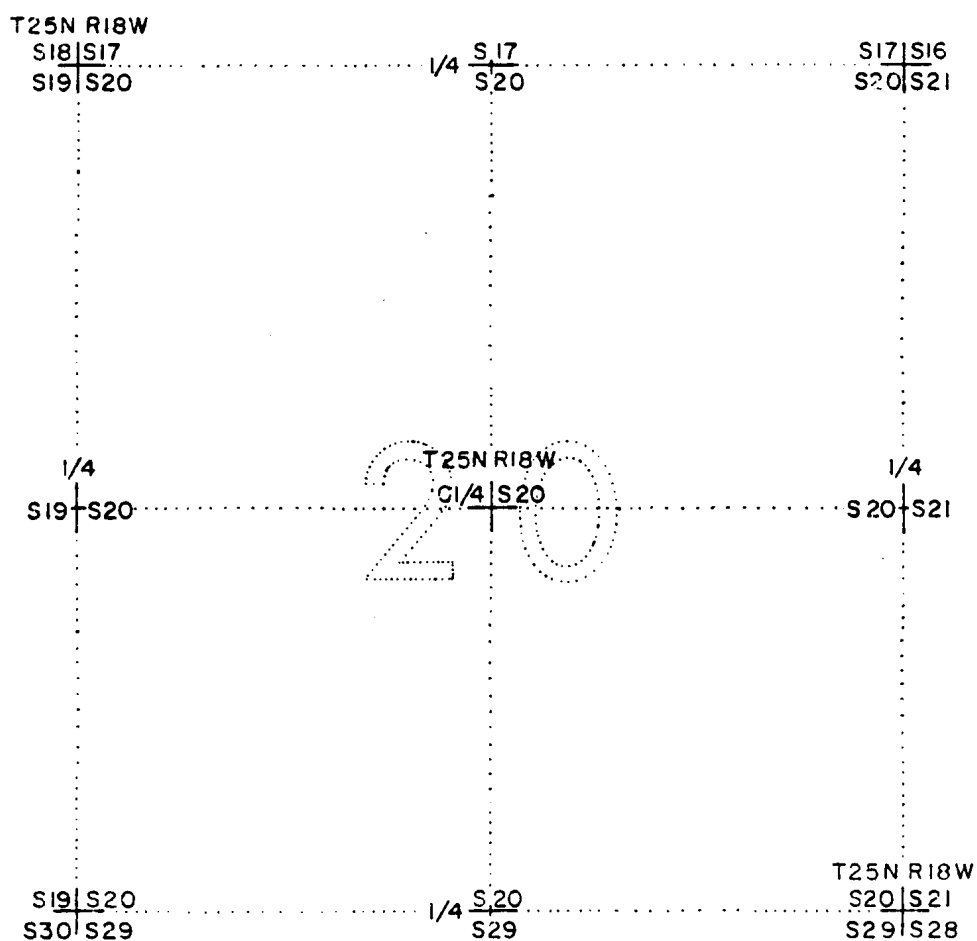


MONUMENT SET IN EXISTING CONCRETE OR SOLID ROCK.

Standards for Marking Survey Monuments

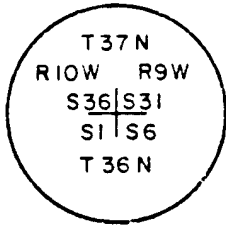
The following illustrates the acceptable system for marking state land survey corners.

Survey monument caps will be marked in accordance with a system that furnishes ready identification of the position of the monument which bears the mark. Letters and numerals should be carefully stamped with 3/16" or 1/8" steel dies and should always be made to read from the South. Lines and crosses should be made with a sharp cold chisel.

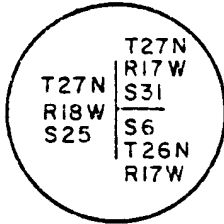


Note: Township and Range should be included on all monuments.

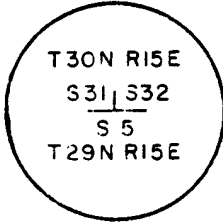
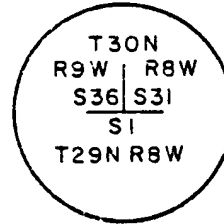
Special Examples of Survey Monument Marking



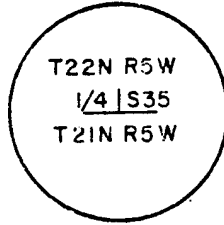
CORNER COMMON TO
4 TOWNSHIPS



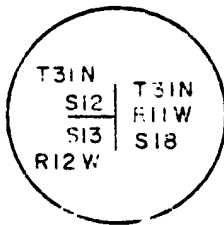
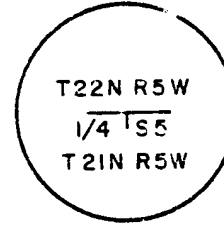
CORNER COMMON TO 2 TOWNSHIPS



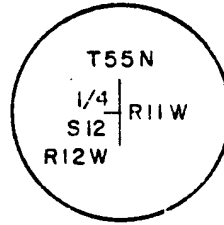
STANDARD CORNER
ON TOWNSHIP LINE



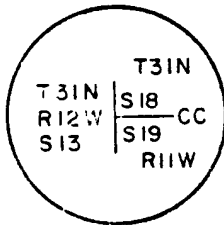
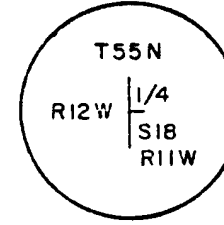
QUARTER CORNER ON TOWNSHIP LINE



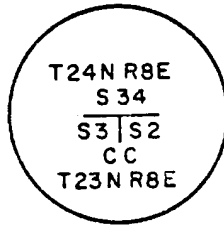
STANDARD CORNER
ON RANGE LINE



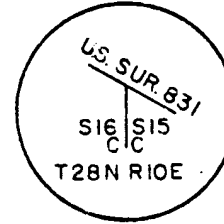
QUARTER SECTION CORNER ON RANGE LINE



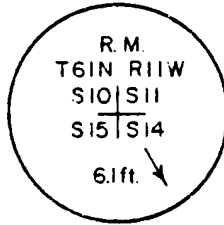
CLOSING
CORNER ON
RANGE LINE



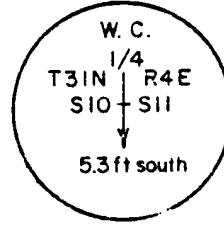
CLOSING
CORNER ON
TOWNSHIP LINE



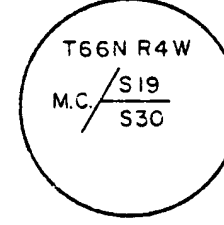
CLOSING
CORNER ON
U.S. SURVEY



REFERENCE
CORNER



WITNESS
CORNER ON
SECTION LINE



MEANDER
CORNER ON
SECTION LINE

Section Corner Index Numbers

A	3	5	7	9	11	13	15	17	19	21	23	25
C	6	5	4	3	2							
E												
G	7	8	9	10	11	12						
J												
L	18	17	16	15	14	13						
N												
P	19	20	21	22	23	24						
R												
T	30	29	28	27	26	25						
V												
X	31	32	33	34	35	36						
Z												