

**Title 20—DEPARTMENT OF INSURANCE, FINANCIAL INSTITUTIONS
AND PROFESSIONAL REGISTRATION**

**Division 2030—Missouri Board for Architects, Professional Engineers,
Professional Land Surveyors, and Professional Landscape Architects
Chapter 16—Missouri Standards for Property Boundary Surveys**

PROPOSED RULE

20 CSR 2030-16.060 Approved Monumentation

PURPOSE: This rule prescribes the approved type of monumentation to be used on property boundary surveys.

- (1) The professional land surveyor shall select a type of monument providing a degree of permanency consistent with that of the adjacent terrain and physical features and as required by these standards. All monuments shall be solid and free from movement. They shall be set in the ground at least to the depth of the length given unless they are encased in concrete. With the exception of drill holes and cut crosses, the precise position of the corner shall be marked by a point on a cap and the cap shall be inscribed with the licensure number of the professional land surveyor in responsible charge or the corporate licensure number or name of the company.
- (2) Permanent monuments shall be selected from the following:
 - (A) Concrete monuments consisting of reinforced concrete at least four inches (4") square or in diameter and no less than twenty-four inches (24") in length with its precise position marked by a point on a brass or aluminum cap not less than one and one-half inch (1 1/2") in diameter;
 - (B) Commercial cast iron or aluminum survey markers no less than twenty-four inches (24") in length. Nonferrous markers shall have ceramic magnets attached to aid in recovery;
 - (C) Steel, coated steel, or aluminum rod markers not less than five-eighths inch (5/8") in diameter, iron pipe markers not less than three-quarter inch (3/4") inside diameter, and not less than twenty-four inches (24") in length. These monuments shall have a permanently attached cap of the same metal or of a dissimilar metal if the metals are insulated with a plastic insert to reduce corrosion. Nonferrous rod markers shall have ceramic magnets attached to aid in recovery; and
 - (D) Brass or aluminum disks not less than two inches (2") in diameter, countersunk and well-cemented in a drill hole in either solid rock or concrete. Ceramic magnets shall be attached or installed with the disk to aid in recovery.
- (3) Semi-permanent monuments shall be selected from the following:
 - (A) Iron pipe markers not less than three-fourths inch (3/4") outside one-half inch (1/2") inside diameter, at least eighteen inches (18") in length, and having a plastic or metal cap;
 - (B) Steel or aluminum rod markers not less than one-half inch (1/2") in diameter, not less

- than eighteen inches (18") in length, and having a plastic or aluminum cap;
- (C) A cross-cut or drill hole in concrete, brick, stone paving, or bedrock at the precise position of the corner or on a prolongation of a boundary line; and
 - (D) In asphalt paving, cotton picker spindles, railroad spikes (center punched or chiseled cross), semi-permanent one-half inch (½") rebar, and magnetic spikes (minimum of eight inches (8") in length) that are solid and not easily removed or destroyed.

AUTHORITY: sections 327.041 and 327.272, RSMo, 2016. Original rule filed May 3, 1994, effective Dec. 30, 1994. Amended: Filed March 20, 2003, effective Oct. 30, 2003. Moved to 20 CSR 2030-16.060, effective Aug. 28, 2006. Rescinded and Readopted: Filed November 18, 2016.

PUBLIC COST: This proposed rule will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed rule will not cost private entities more than five hundred dollars (\$500) in the aggregate.

*NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed rule with the Missouri Board of Architects, Professional Engineers, Professional Land Surveyors and Professional Landscape Architects, PO Box 184, Jefferson City, MO 65102, via facsimile at (573)751-8046, or via email at moapels@pr.mo.gov. To be considered, comments must be received within thirty (30) days after publication of this notice in the **Missouri Register**. No public hearing is scheduled.*