



Rules of
Department of Agriculture
Division 90—Weights, Measures and Consumer
Protection
Chapter 61—United States Public Land Survey
Corners

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Title 2—DEPARTMENT OF AGRICULTURE

Division 90—Weights, Measures and Consumer Protection Chapter 61—United States Public Land Survey Corners

2 CSR 90-61.010 Definitions

PURPOSE: This rule defines the various technical and legal terms used in Chapter 3.

(1) Alteration of a corner—Changing the physical monumentation of a corner or adding witness accessories.

(2) Corners of the United States Public Land Survey—Those points that determine the boundaries of the various subdivisions represented on the official plat such as the township corner, the section corner, the quarter section corner, blank quarter section corners, fractional section corner, center of section, grant corner, lot corner, and meander corner.

(3) Date of the field work—Is the date on which the monument was physically altered or removed and referenced.

(4) Existent corner—A corner whose position can be identified by verifying the evidence of the original monument or its accessories, or by some physical evidence described in the field notes, or located by an acceptable supplemental survey record or some physical evidence thereof, or by testimony. The physical evidence of a corner may have been entirely obliterated, but the corner will be considered existent if its position can be recovered through the testimony of one (1) or more witnesses who have a dependable knowledge of the original location. A legally reestablished corner shall have the same status as an existent corner.

(5) Lost corner—A corner whose position cannot be determined, beyond reasonable doubt, either from traces of the original marks or from acceptable evidence or testimony that bears upon the original position.

(6) Monument—The physical object which marks the corner point determined by the surveying process. The accessories, such as bearing trees, bearing objects, reference monuments, mounds of stone, and other similar objects that aid in identifying the corner position, are also considered a part of a corner monument.

(7) Reestablishment of a corner—The monumentation of a lost corner whose position has

been determined by proportionate measurement.

(8) Reference monument—A monument set in such a manner and location that the position of the actual corner can be located from it by direction and distance or by two (2) distances when two (2) reference monuments are set.

(9) Removal of a corner—The complete elimination of an existing corner monument.

(10) Restoration of a corner—The alteration of an existent corner.

AUTHORITY: sections 60.321 and 60.550, RSMo 2016. Rule originally filed as 10 CSR 30-3.010. Original rule filed Dec. 8, 1975, effective Dec. 18, 1975. Rescinded and readopted: Filed Feb. 10, 1982, effective May 13, 1982. Rescinded and readopted: Filed May 3, 1994, effective Dec. 30, 1994. Moved to 2 CSR 90-61.010 and amended: Filed Dec. 1, 2016, effective June 30, 2017.*

**Original authority: 60.321, RSMo 1989, amended 2013 and 60.550, RSMo 1969, amended 2013.*

2 CSR 90-61.020 Authorization for Removal or Alteration of Corners

PURPOSE: This rule identifies who is authorized to alter or remove a corner of the United States Public Land Survey and how to obtain permission from the Department of Agriculture.

Only a professional land surveyor is authorized to remove, alter, restore, or reestablish a corner of the United States Public Land Survey. Any professional land surveyor who removes, alters, restores, or reestablishes a corner of the United States Public Land Survey shall report this action by filing an approved document with the Missouri Department of Agriculture, Land Survey Program within ninety (90) days from the date of the field work. The permission required by section 60.550, RSMo is granted upon filing the approved document with the Missouri Department of Agriculture Land Survey Program.

AUTHORITY: sections 60.321 and 60.550, RSMo 2016. Rule originally filed as 10 CSR 30-3.020. Original rule filed May 3, 1994, effective Dec. 30, 1994. Moved to 2 CSR 90-61.020 and amended: Filed Dec. 1, 2016, effective June 30, 2017.*

**Original authority: 60.321, RSMo 1989, amended 2013 and 60.550, RSMo 1969, amended 2013.*

2 CSR 90-61.040 Procedure for Filing Documents

PURPOSE: This rule describes the procedure for filing certified land corner documents with the Department of Agriculture.

(1) Approved documents shall be filed with the Department of Agriculture, Weights, Measures and Consumer Protection Division, Land Survey Program, PO Box 937, Rolla, MO 65402-0937. Documents filed with the county recorder must first be filed with the Department of Agriculture.

(2) Certified Land Corner Document and Resident Witness Affidavit forms may be obtained in a reasonable number from the Department of Agriculture, Weights, Measures and Consumer Protection Division, Land Survey Program, PO Box 937, Rolla, MO 65402-0937.

(3) There is no fee for filing these documents.

(4) Filing of corner documentation with the Department of Agriculture does not create an implied warranty by either the professional land surveyor or the Department of Agriculture as to conclusive evidence of the corner location.

AUTHORITY: sections 60.321 and 60.550, RSMo 2016. Rule originally filed as 10 CSR 30-3.040. Original rule filed May 3, 1994, effective Dec. 30, 1994. Moved to 2 CSR 90-61.040 and amended: Filed Dec. 1, 2016, effective June 30, 2017.*

**Original authority: 60.321, RSMo 1989, amended 2013 and 60.550, RSMo 1969, amended 2013.*

2 CSR 90-61.050 Monumentation

PURPOSE: This rule prescribes the type of monument to be installed to preserve the position of the United States Public Land Survey Corner.

(1) All corner monuments, witness monuments, and reference monuments shall be permanent monuments of a type providing a degree of permanency consistent with that of the adjacent terrain and physical features. Monuments shall meet the requirements for a permanent monument in accordance with the Missouri Standards for Property Boundary Surveys.

(2) In such cases where the placement of a required corner monument at its proper location is impractical, it shall be permissible to



set a reference or witness monument or mark near that point, and if such reference monument or mark is set, its location shall be properly shown on the certified land corner document.

(3) All monuments shall be marked and designated in accordance with the Bureau of Land Management (BLM) system of marking monuments that furnishes ready identification of the position of the monument which bears the mark. Letters and numerals should be carefully stamped with three-sixteenths inch (3/16") or one-eighth inch (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. The precise position shall be marked by a point, cross, or appropriate symbol on the monument.

(4) Where possible, four (4) reference ties (distance and direction) to durable objects will be made to provide the means for restoring the position of the marked corner if the monument is disturbed. Durable objects include, but are not restricted to: house corners, marks on concrete structures or pavement, marks on ledge or bedrock, trees, additional permanent monuments, fence posts, utility poles, and crosses on curbs. All durable objects and reference ties shall be fully described on the document.

(5) In some special cases where an existing monument is found and it is deemed appropriate to preserve the monument in its original location, a reference or witness monument may be installed nearby.

(6) At locations where a stone, iron pin, pipe, or other monument is to be replaced by a permanent monument, the existing monument will be removed and buried or placed alongside the permanent monument in such a manner that it will not be confused with the permanent monument.

AUTHORITY: sections 60.321 and 60.550, RSMo 2016. Rule originally filed as 10 CSR 30-3.050. Original rule filed May 3, 1994, effective Dec. 30, 1994. Moved to 2 CSR 90-61.050 and amended: Filed Dec. 1, 2016, effective June 30, 2017.*

**Original authority: 60.321, RSMo 1989, amended 2013 and 60.550, RSMo 1969, amended 2013.*

2 CSR 90-61.070 Missouri Coordinate System of 1983

PURPOSE: This rule prescribes requirements for referencing corners of the United State

Public Land Survey to the Missouri Coordinate System of 1983.

(1) When the corner that is removed, altered, restored, or reestablished is required to be referenced to the Missouri Coordinate System of 1983, the corner coordinates shall be shown on the Certified Land Corner Document form.

(2) Coordinates referenced to the Missouri Coordinate System of 1983 and shown on Certified Land Corner Document forms shall comply with the following requirements:

(A) The position of the corner shall be based upon a geodetic control station having a horizontal accuracy of second order (as defined in 2 CSR 90-62) or higher order;

(B) The survey connecting the corner to the geodetic control station shall meet the accuracy standards set forth in the Missouri Standards for Property Boundary Surveys; and

(C) The following information shall be included on the Certified Land Corner Document form:

1. The geodetic control station(s) that were used to determine the position of the corner;

2. The coordinates of the geodetic control station(s) used and the appropriate zone designation;

3. The appropriate adjustment date or realization designation on the North American Datum of 1983 along with the epoch date, when applicable;

4. A brief statement of the method used to obtain the position; and

5. The grid factor used.

(3) Coordinates referenced to the Missouri Coordinate System of 1983 may be used to reference corners in lieu of monuments.

AUTHORITY: sections 60.321 and 60.550, RSMo 2016. Rule originally filed as 10 CSR 30-3.070. Original rule filed May 3, 1994, effective Dec. 30, 1994. Moved to 2 CSR 90-61.070 and amended: Filed Dec. 1, 2016, effective June 30, 2017.*

**Original authority: 60.321, RSMo 1989, amended 2013 and 60.550, RSMo 1969, amended 2013.*

2 CSR 90-61.080 Approved Documents

PURPOSE: This rule prescribes the form of the document to be filed with the Department of Agriculture.

(1) An approved document may be any one (1) of the following:

(A) Certified Land Corner Document form; or

(B) Special form approved by the Department of Agriculture.

(2) Preparation of Certified Land Corner Document Forms. All information (except drawings) will be typed or completed in black ink. Lettering or typing shall not be less than eight hundredths inch (0.08") in height. Drawings may be made in black pencil so long as all drawings will make sharp and clear copies.

(A) The following information shall be included on all corner forms:

1. The description of the original monument, witness ties, and any subsequent restorations, including the date of the survey, the document reference (book and page and/or microfilm location) and the professional surveyor of record. Original survey notes need not be given in urban or built-up areas;

2. Signature and seal of the professional land surveyor;

3. Date of the survey field work;

4. Basis of bearing system used;

5. Description of the monument, monument marking, and witness/reference ties;

6. Comprehensive sketch of the corner location sufficient to find the monument; and

7. Coordinates referenced to the Missouri Coordinate System of 1983, if known.

(B) The following additional information is required for forms showing the restoration or alteration of existing corner monuments:

1. Description of the evidence found indicating the corner is existent;

2. Resident witness affidavits, when the corner is restored from testimony; and

3. Distances and directions used to retrace prior evidence.

(C) The following additional information will be required for reestablished corners:

1. Statement of the method used to reestablish the corner; and

2. Distances and bearings used in the reestablishment procedure.

AUTHORITY: sections 60.321 and 60.550, RSMo 2016. Rule originally filed as 10 CSR 30-3.080. Original rule filed May 3, 1994, effective Dec. 30, 1994. Moved to 2 CSR 90-61.080 and amended: Filed Dec. 1, 2016, effective June 30, 2017.*

**Original authority: 60.321, RSMo 1989, amended 2013 and 60.550, RSMo 1969, amended 2013.*