

Chapter A-E 5**MINIMUM STANDARDS FOR PROPERTY SURVEYS****A-E 5.01 Minimum standards for property surveys**

A-E 5.01 Minimum standards for property surveys. (1) **SCOPE.** The minimum standards of this section apply to every property survey performed in this state except that,

(a) Where other standards for property surveys are prescribed by statute, administrative rule or ordinance, then such standards shall govern; and

(b) The land surveyor and his client or employer may agree to exclude any land surveying work from the requirements of this section providing such agreement is set forth in writing and is signed by the client or employer and specifically refers to this section.

(2) **PROPERTY SURVEY, DEFINITION.** A "property survey" as used in this section means any land surveying performed for the principal purpose of describing, monumenting or mapping one or more parcels of land.

(3) **BOUNDARY LOCATION.** Every property survey should be made in accordance with the records of the register of deeds as nearly as is practicable. The surveyor shall acquire data necessary to retrace record title boundaries such as deeds, maps, certificates of title, and center line and other boundary line locations. The surveyor shall analyze the data and make a careful determination of the position of the boundaries of the parcel being surveyed. The surveyor shall make a field survey, traversing and connecting monuments necessary for location of the parcel and coordinate the facts of such survey with the analysis. The surveyor shall set monuments marking the corners of such parcel unless monuments already exist at such corners.

(4) **DESCRIPTIONS.** Descriptions defining land boundaries written for conveyance or other purposes shall be complete, providing definite and unequivocal identification of lines or boundaries. The description must contain necessary ties to adjoining together with data of dimensions sufficient to enable the description to be mapped and retraced and shall describe the land surveyed by government lot, recorded private claim, quarter-quarter section, section, township, range and county, and by metes and bounds commencing with some corner marked and established by the U. S. Public Land Survey; or if such land is located in a recorded subdivision or recorded addition thereto, then by the number or other description of the lot, block or subdivision thereof which has been previously tied to a corner marked and established by the U. S. Public Land Survey.

(5) **MAPS.** A map shall be drawn for every property survey showing information developed by the survey and including the following elements:

- (a) The map shall be drawn to a convenient scale;
 - (b) The map shall be referenced as provided in section 59.61, Wis. Stats.;
 - (c) The map shall show the exact length and bearing of the boundaries of the parcels surveyed. Where the boundary lines show bearings, lengths or locations which vary from those recorded in deeds, abutting plats, or other instruments there shall be the following note placed along such lines, "recorded as (show recorded bearing, length or location)";
 - (d) The map shall show and describe all monuments necessary for the location of the parcel and shall indicate whether such monuments were found or placed;
 - (e) The map shall be captioned to identify the person for whom the survey was made, the date of the survey, and shall describe the parcel as provided in (4), above;
 - (f) The map shall bear the stamp or seal and signature of the land surveyor under whose direction and control the survey was made with a statement certifying that the survey is correct to the best of his knowledge and belief.
- (6) **MEASUREMENTS.** (a) Measurements shall be made with instruments and methods capable of attaining the required accuracy for the particular problem involved.
- (b) The minimum accuracy of linear measurements between points shall be 1 part in 3,000 on all property lines of boundary or interior survey.
 - (c) In a closed traverse the sum of the measured angles shall agree with the theoretical sum by a difference not greater than 30 seconds per angle, or the sum of the total angles shall not differ from the theoretical sum by more than 120 seconds, whichever is smaller.
 - (d) Any closed traverse depicted on a property survey map shall have a latitude and departure closure ratio of less than 1 in 3,000.
 - (e) Bearings or angles on any property survey map shall be shown to the nearest 5 seconds; distances shall be shown to the nearest 1/100th foot.
- (7) **MONUMENTS.** The type and position of monuments to be set on any survey shall be determined by the nature of the survey, the permanency required, the nature of the terrain, the cadastral features involved, and the availability of material.

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