

## Work Type Definition: Land Surveying



### I. **Minimum requirements:**

To be under the direct supervision of a Minnesota licensed Land Surveyor.

### II. **Description**

Surveying is described as the art and science of accurately determining the location of existing and/or proposed locations of features above, below the surface of the earth utilizing various measurement equipment and specialized measurement methods. In addition to the measurements, record research and the application the principles of real estate law and principles may be applied to render a professional opinion as to the location of property boundaries. These locations can be determined in either 2 or 3 dimensions for specific purposes, including, but not limited to:

- Determination of property boundaries and/or the existing features thereon.
- The subdivision of property in conformance with state and local regulations.
- Creating a 3-dimensional model of the property to a stated accuracy standard.
- Layout of proposed improvements on, above or below the subject property.
- The establishment of a specific project control network.
- Monitoring deformation over time of specific features or site conditions.

This work type also includes the preparation and the interpretation of legal descriptions.

### III. **Standards and specifications**

Standards and specifications required for a project under this work type may include the following:

- A. Work performed must meet the standard of a prudent and qualified professional acting under like or similar circumstances.
- B. Accuracy standards of measurements shall comply with any standards stated within the request for proposal (RFP) or which may be required by a governing local state or federal agency,
- C. Traffic control devices shall be furnished and installed according to the current Field Manual for Temporary Traffic Control Zone Layouts (MN MUTCD)
- D. Field operations are to be performed in accordance with Occupational and Safety Health Administration (OSHA) regulations and industry safety practices

### IV. **Provided by Hennepin County**

Information to be supplied by Hennepin County for a project may include the following:

- A. Access to existing maps and other documents related to the project.
- B. Specific accuracy standards for the project.
- C. Computer-aided drafting standards and requirements.
- D. Contact information for the county project manager.
- E. Specific requirements for monuments to be established for the project

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F. Minnesota Uniform Traffic Control Device Manual

V. **Provided by consultant**

Deliverables to be supplied by the consultant for a project may include but are not limited to the following:

- A. A graphical representation of the defined project in both signed and sealed drawings and in a defined electronic format that meet Hennepin County CADD drafting standards.
- B. A signed and sealed project report that meets that standards defined within the RFP.
- C. Original or copies of field notes as required in the RFP.
- D. Monuments and other markings as defined within the RFP.