

## SURVEY GUIDELINES

(Update in progress 10/2008)

### General

As an on-going process to develop and maintain our computerized maps, we have established control monuments in strategic locations. All surveys shall be performed using Tennessee State Plane Coordinates, NAD (North American Datum) 83 and NAVD 88. Surveys shall show a tie to two Vanderbilt permanent control monuments. The location and description of these control monuments and underground utility information can be found at Facilities Information Services, 106 Bryan Bldg. and/or contact Mapping (615)343-8394. Vanderbilt University will contract directly with the firm performing such services.

### Survey Types

**General Property Surveys or Topographic Surveys** will be accepted with accordance to the Standard of Practice for Land Surveyors, see <http://tn.gov/sos/rules/0820/0820-03.pdf> .

**Global Positioning System (GPS)** surveys shall be accepted when requested.\* All GPS surveys must be in accordance with the Federal Geodetic Control Standards (FGCS). Horizontal and vertical control work must meet or exceed those accuracy specification standards as published by the Federal Geodetic Control Committee, September, 1984, in the bulletin titled "Standards and Specification for Geodetic control Networks" or any subsequently published bulletin modifying such class standards.

**Specific Purpose Surveys** shall be performed as specified by VU project manager but not limited to guidelines in General Property or Topographic Surveys.

Plats and maps shall be stamped or sealed with the surveyor seal and signed by a registered land surveyor and contain, but not limited with the following information:

- The name **Vanderbilt University**, the grantor or grantee of the property.
- Trees of two inch (2") caliper and up should be noted.

### Accuracy

Surveys must meet the minimum accuracy requirements provided by [State of Tennessee, Standards of Practice- Category II](#) - (1:7,500) or better. When very small lots of one acre or less are encountered, the allowable error shall not exceed 1/10 of a foot of positional accuracy at any corner.

### Deliverables

Deliverable digital information shall be completed on the Tennessee State Plane Coordinates, NAD 83 and NAVD 88. See [Record Set Deliverable Requirements](#) for complete information and format.

*\*Surveyor will confirm with VU representative whether GPS survey is appropriate depending on specific initial purpose of survey in question.*