

ROUND ROCK CAMPUS SURVEY STANDARDS

1. Obtain sufficient ground shots to produce a one foot contour interval map. Area will include _____ (described area) _____
2. Locate all visible above ground indications of utilities, overhead power lines, and manholes (wastewater and storm manholes will include top of lid elevations and inverts).
3. Indicate all underground utilities as provided on the latest Texas State University-Round Rock Campus Base Utility Map.
4. Set a minimum of two benchmarks on site.
5. Locate and identify all trees over _____ inches in diameter. Indicate university tag numbered trees.
6. Tie in sufficient property corners to relate topography survey to boundary.
7. Locate the property lines and or right of way lines on City of Round Rock owned streets, depending on scope of work.
8. Provide finish floor elevations on all adjacent buildings.
9. Locate all existing sidewalks, buildings, and driveways, and all other surface features including streets, curbs, storm drains, signs, and landscape features.
10. Provide spot elevations of curbs and sidewalks at _____ foot intervals.
11. Locate and mark various spot elevations (as defined by owner).
12. Vertical datum will be based on NAVD 88 (feet).
13. Horizontal coordinates will be based on Texas State Plane, Central Zone, NAD83, (HARN), modified to “surface basis”.
14. All finished surveys will provide at least one grid reference point stating the coordinate values based upon Texas State Plane, Central Zone, NAD 83, feet.
15. All surveys will provide a surface adjustment factor statement that was used to adjust the survey data from grid to surface.
16. All surveys shall tie into campus elevation benchmarks within university property. Benchmarks provided by university.
17. Prepare 1 – Autocad digital CD and 1 – mylar drawing(s) of the features described in the items above.