

## **SAN ANTONIO RIVER AUTHORITY SURVEY STANDARDS AND REQUIRED DELIVERABLES**

The San Antonio River Authority (SARA) requires that surveys of SARA property submitted for land sales, leases, or easements follow the SARA standards, presented below. Please note that the SARA Surveying & Mapping Office may provide important information related to property including boundary, monumentation, and coordinate information. SARA also provides geodetic control information to assist in determining state plane coordinate values. SARA encourages you to contact us and to use the SARA Surveying & Mapping Office as a resource for information. We look forward to working with you in the future. Please feel free to call SARA with any questions you may have.

1. Each survey must comply with the *Professional Land Surveying Practices Act and General Rules of Procedures and Practices*. The minimum standards are listed under *Professional and Technical Standards* in Sections 663.13 to 663.19 of the above referenced manual. The most common violations include the failure to cite the county courthouse recording information of adjoining landowners and the failure to cite the bearing basis of the survey.
2. Each survey must be tied to the Texas State Plane Coordinate System NAD83 or NAD83/93 HARN, Lambert Grid, Texas South Central Zone, unless otherwise instructed by the SARA Surveying & Mapping Office.
3. Each survey must show at least one state plane coordinate value on the plat in US survey feet units.
4. Each survey must cite Lambert Grid - Texas South Central Zone NAD83 (or N83/93 HARN) as the bearing basis.
5. An on ground centerline profile will be submitted for the proposed crossing. The ground shots will be based on NAVD 1988 datum. There will be enough points to describe and capture the significant features for the creek/river at the crossing. Provide an ascii file of the point data used to create the profile based on the same datum submitted. Format for the ascii file comma (delimited) northing, easting, elevation, description (N, E, Z, D). Each survey must show or recite the SARA boundaries that have been established by SARA (contact SARA Surveying & Mapping Office).
6. All improvements on the subject tract existing and/or proposed must be located and shown on the plat, unless otherwise instructed by SARA.
7. Each plat must include a legend, a graphic scale, north arrow, etc.

8. When a sale, lease, or easement tract is to be surveyed to a contour line(s), please contact the SARA Surveying & Mapping Office for specific instructions.
9. After review and approval by SARA, the surveyor will submit digital files of the descriptions and plats with the final deliverables either on a cd-rom or via email. Field notes should be submitted in ascii text format. AutoCAD drawings should be submitted in R2010 format (R2000 to R2014 are acceptable formats). Three or more final signed and sealed originals must be provided by the surveyor after final approval by the SARA Surveying & Mapping Office.
10. Descriptions and plats must be submitted on 8-1/2" X 11" paper when possible. Before submitting final descriptions and plats, the surveyor shall fax or mail a preliminary set to the Surveying & Mapping Office or the Real Estate Department at the following address:

**San Antonio River Authority**

Street Address: 100 E. Guenther Street, San Antonio, TX 78204  
Mailing Address: 100 E. Guenther Street, San Antonio, TX 78204

Surveying & Mapping Office or Real Estate Department  
(210) 227-1373 Toll Free (866) 345-7272 Fax # (210) 858-0265

11. Label metes and bounds description as EXHIBIT "A" and the exhibit with the same letter i.e. – EXHIBIT "A"; If a second metes and bounds exhibit is needed, they will both be labeled EXHIBIT "B" and continuing if need be for additional metes and bound descriptions plus exhibits.

In some cases, additional information may be requested from the surveyor. Contact the Surveying & Mapping Office for a sample description and plat. If you need additional information or if you have any questions, please contact the Surveying Department at the numbers listed above.