

San Antonio Water System, Texas

As Built Water & Sewer Data Conversion

Keywords

- SAWS mission is to provide quality, reliable water and wastewater service at a reasonable cost.
- SAWS require the precise mapping of water and sewer lines in accordance with SAWS's level structure.
- It is to provide GIS data conversion services for their water, sewer database design.
- Update of GIS database by converting new as-built construction plans.

Results

- All sewer and water features, fittings and dimensions in final CAD digital format with all attributes attached.

For More information



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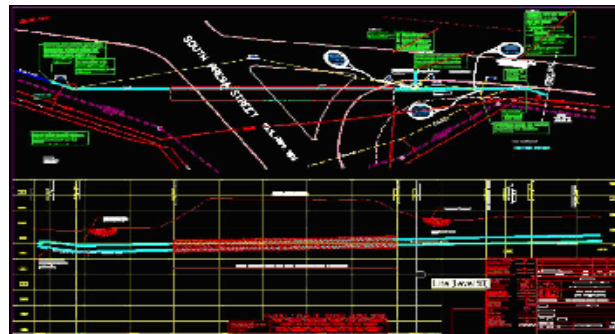
The San Antonio Water System (SAWS) is a public utility owned by the city of San Antonio, Texas. Its mission is to provide quality, reliable water and waste water service at a reasonable cost. The San Antonio Water System requires the precise mapping of water and sewer lines in accordance with SAWS's level structure, line codes, cell libraries and geolocated as per NAD 83 South Texas State Plane Coordinate system for future migration to GIS.

The Challenge

As built Water and Sewer scanned maps/scanned engineering drawing sheets for San Antonio Water System to provide GIS data conversion services for their water, sewer and reclaimed water network. The projects included modifications to the existing database design, correction on an existing GIS database, and update of the GIS database by converting new as-built construction plans.

The Solution

Annova made the entire drafting (Mainly water, sewer pipe line, Gas and associated base features) and digitization is being done by using CAD software. The feature captured as in point, line and polygon mode. We also used hatch area. Point- Normally there has needed big circle point like some station point. In this case we used circle or ellipse as point feature. Line - such as water, sewer pipe, R.O.W. Line, Lot/Parcel line, Leader Line etc. Polygon- Such as Meter box, area, hatching area, etc.



Results

Digitizing all water and sewer features and fittings, dimensions from scanned maps to get output in digital format with all attributes attached.