GIS Database Development
Southern Montgomery County Municipal Utility District
Spring, Texas

CobbFendley converted a multitude of traditional static data stored in paper records and various CAD software formats into dynamic digital data utilizing ESRI ArcGIS software. By converting the static data into a dynamic format, the information became more accessible and feasible to update. Creating a GIS infrastructure to maintain and produce records also integrated all the data into a centralized database, which gives the capability to overlay the multiple layers and perform various analyses. From aerial imagery and paper records, numerous data layers were extracted:

- Platted Tracts
- Right of Way
- Easements
- Arterial Street and Highway Centerlines
- Sanitary Facilities
- Water Facilities

A comprehensive database incorporating the dynamic digital GIS data (points, lines, and polygons) with the required tabular feature information was fabricated using CobbFendley custom templates. Extensive amounts of data were consistently assigned to the different GIS entities. All data the district wanted associated with the GIS layers (i.e. pipe size, water valve ID, street name, etc.) was entered into the geodatabase.

The GIS Asset Management tool created by CobbFendley enables the Southern Montgomery County M.U.D. to cost-effectively administer its infrastructure, as well as provide "one-stop" accessibility to the massive amount of diverse data in a single, centralized database.

Project Size:
2.77 square miles

Completion Date:
2005