

Project Profile – City of Mesa, Arizona



Background

Founded in 1878 and incorporated in 1883, Mesa is the 43rd largest city in the United States and the third largest city in Arizona with a population of more than 400,000. Mesa is one of the nation's fastest growing communities, with a population that grew by 24 percent between 1990 and 1998. Mesa is 15 miles east of Phoenix and covers more than 125 square miles.

Infrastructure

- 128 square miles incorporated
- 932 mapped quarter sections
- 138,000 parcels
- 2,200 miles of water distribution
- 1,550 miles of wastewater

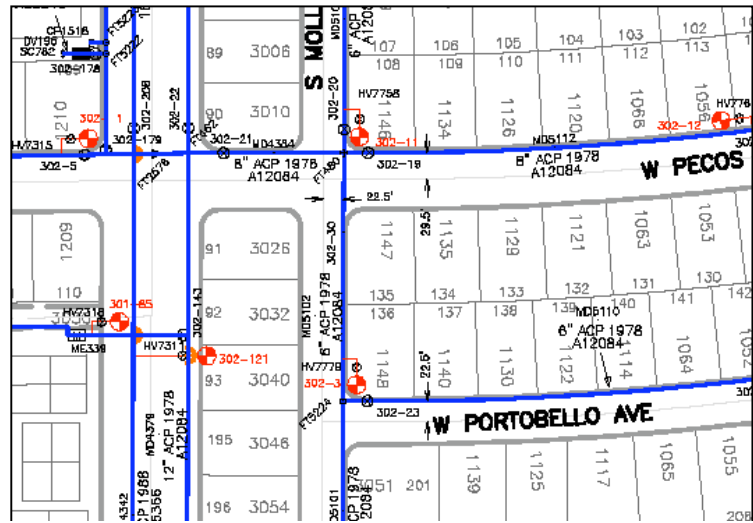
Description

The City of Mesa's digital mapping began in the 1980s with IBM's GPG System. As the year 2000 approached, it became increasingly clear that the old mainframe system needed replacement.

After previous attempts using other GIS software, the City realized the potential for a CAD-based solution. The City awarded EMS with a contract to convert the Storm and Gas utilities using the EMS Utility Map Server (UMS) approach. The success of these utilities led to the contract to assist and convert the Water, Sewer, and Land parcels.

The City of Mesa is successfully using the latest version of UMS operating on 10 CADD workstations to maintain five major utility layers. UMS publishes the CADD data directly to shape files for further distribution throughout the City and the Computer Aided Dispatch System used in Fire and Police.

In 2004, the City purchased a City-wide license of EMS Field Map, our popular data viewing tool for field deployment of GIS data. Originally used by the Utilities Department for use in field locating infrastructure (Blue Stake), the software's popularity grew throughout the City.



Map books are published quarterly and distributed on the web

Contact Information

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