

## Background

Founded around 1880 and incorporated in 1946, Avondale has over 40,000 residents, making it one of the fastest growing residential areas in Maricopa County. Just 13 miles west of Phoenix, Avondale is home to Phoenix International Raceway (PIR), a world-class motor sports venue nestled in the foothills of the Estrella Mountains and a popular NASCAR destination. Each year, racing enthusiasts spend hundreds of millions of dollars in Avondale, and attendance at PIR is equal to three Super Bowls.

## Infrastructure

- 55 square miles
- xxx parcels
- xxx linear miles water distribution
- xxx linear miles wastewater collection

## Project Description

The City of Avondale required full conversion of its Water, Sewer, & Storm Utilities. EMS also assisted with the creation of zoning and address data layers compatible with the City's overall GIS needs.

In a two-phased approach, EMS first worked with the County Assessor to adapt landbase to the City's specific needs, secondly the GIS data layers were then created over the top of the landbase. In 2004, EMS continues to provide maintenance services to the City of Avondale which includes the update of all utility layers as well as the development of custom applications and consulting engagements.

## Deliverables

- Full conversion of Water, Sewer and Storm including reference to engineering as-builts
- 40 square-mile digital high resolution (1' per pixel) gray-scale ortho photography
- Zoning polygon shape file and scanned sheets
- 1"=400' 40-page atlas map workbook, 1" = 2000' zoning wall map, 1" = 1200' atlas book
- 1"= 200' detail plot and Acrobat file
- Detailed parcel-level zoning map layer for downtown area

## Contact Information

Mr. Lari D. Spire, R.L.S.  
Engineering Project Manager  
**City of Avondale**  
11465 W. Civic Center Drive, Suite 120  
Avondale, AZ 85323  
(623) 478-3281

E. Martin Shaeffer, P.E., President  
**Engineering Mapping Solutions, Inc**  
2330 W Mission Ln, Suite 1  
Phoenix, Arizona 85021  
(602) 870-7811x16