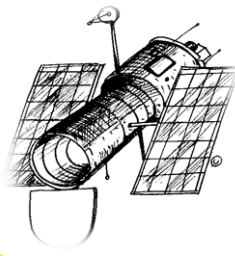


# Utility GIS Program



# Simplifying GIS

## SERVICES AVAILABLE

### GPS Fieldwork

All Water and Wastewater systems will be gps'd using a Trimble DA2 antenna with Trimble Catalyst 60 (60cm accuracy) / Catalyst 30 (30cm accuracy) in conjunction with ArcGIS Field Maps on mobile device with FirstNet service.

### Photos

Pictures of the facilities can be taken during GPS fieldwork.

### Database Administration and Maintenance

We can maintain your database once the project is completed. This will allow you worry-free maintenance of your system.

### Deliverables

- Digital Copies of all gps data.
- Website depicting all data.
- End-user software for field trucks and office workers.
- Printed Maps and Atlases.

## Things to Consider when beginning a Utility GIS System

- Data Maintenance - If you are not going to maintain the data, you probably shouldn't collect it. A GIS System is only as good as the accuracy and currency of the data it contains.
- Data Distribution & Format – For GIS data to be useful, it will need to be distributed in user-friendly ways to those who utilize it. What different formats might be needed to best distribute the data (such as paper maps, hand-held GPS devices, laptop computers, web site) and who will implement and customize these formats to suit your needs?
- Software and Equipment – Software, equipment and personnel are necessary to update and maintain GIS data. Do you have or are you willing to acquire those resources, or will you be served by a firm that has the resources and that you can depend on for on-going service and assistance?
- Data analysis and manipulation – A powerful aspect of GIS is the ability to analyze and manipulate data. Examples are determining for ISO Fire rating purposes the number of residences within a certain distance of a fire plug; determining the number of structures served by a less than 2" water line; overlaying of new or different information such as updated aerial photography or topographic data; what-if scenarios, such as determining the best locations for a new fire station or what water customers will be affected if certain valves are closed. Will you or will you be served by a firm that can analyze and manipulate your GIS data to meet your needs?
- GIS is an ever-changing technology. Establishing and maintaining a useful Geographic Information System requires full-time and never-ending attention to new technology, software, equipment and training. It's important that you or a firm serving you is committed to meeting the ever-changing challenges of GIS technology.
- Over time, GIS provides ever increasing returns. The returns on a GIS will multiply over time as you utilize the system and become more familiar with what it can do. This requires a commitment to data maintenance and on-going opportunities for data utilization and enhancement.

Western Arkansas Planning  
and Development District, Inc.  
1109 S 16<sup>th</sup> St  
Fort Smith, AR 72901

(479)785-2651 Voice  
(479)785-1964 Fax  
[tthompson@wapdd.org](mailto:tthompson@wapdd.org) email

[www.wapdd.org](http://www.wapdd.org)  
[www.wagis.org](http://www.wagis.org)