Web Mapping Application

Wachs Water Services enables its clients to visualize asset locations with an easy-to-use, web-based mapping application, quickly improving operational and strategic decisionmaking processes.

Utility personnel from the crews in the field to the decisionmakers in the office can locate their valves, hydrants, water mains and other assets, and quickly identify all of the information associated with each asset. And because the application is map-driven using well-established GIS standards, any data with an associated location can be shown on the map with its information available at the click of a mouse.

Special tools further enhance the power of this web application allowing users to perform mission critical tasks such as:
• Identifying affected areas in case of a main break

• Tracking progress of repair crews as they replace worn out or damaged valves

• Displaying out-of-service fire hydrants for quick identification of areas lacking fire protection coverage

All of the tools associated with the webbased mapping application are quickly available using the simplified interface. In fact, very little training is required to become fully fluent with the application's use. Users can enter an address, zoom to a specific location, search for a specific hydrant, or highlight an affected main through menus that display when the mouse hovers over a specific icon.

Some of the application's features and benefits include:
• Isolation trace tool that allows the   identification of pipes connected to a user-specified point

• Tool for tracking the locations of outstanding work orders

• History tool that shows the records for all visits to a specific asset

• Minimal investment in training

• Can be deployed and maintained without any capital expenditures in equipment or personnel

The application's potential is limited only by the quality of the data being used and the user's ability to find innovative ways to solve their business needs. Wachs Water Services can help by:
• Identifying data opportunities, including the integration of existing sources of data, closing gaps in data coverage, and collecting and ensuring quality of new data

• Streamlining existing business processes

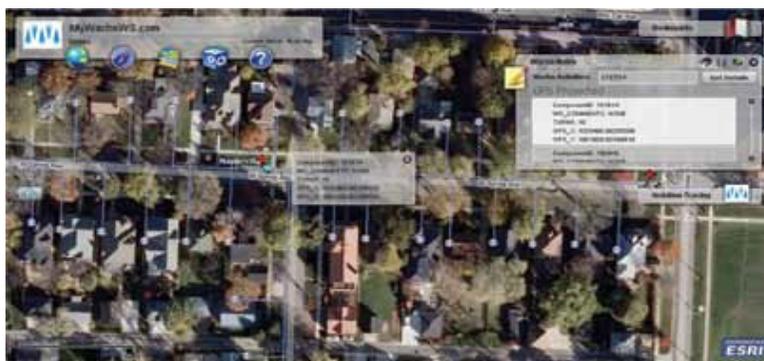• Developing new location-based, cost saving business processes

• **Isolation trace identifying area affected downstream of selected Inoperable valve**

• **Work orders displayed throughout system with information and location highlighted**

• **Two separate visits to a single asset, with information from each visit**

• **Visit information to an inline valve displayed on high resolution aerial photography**

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