

GIS MAPPING AND DATABASE DEVELOPMENT

Public Community Water System

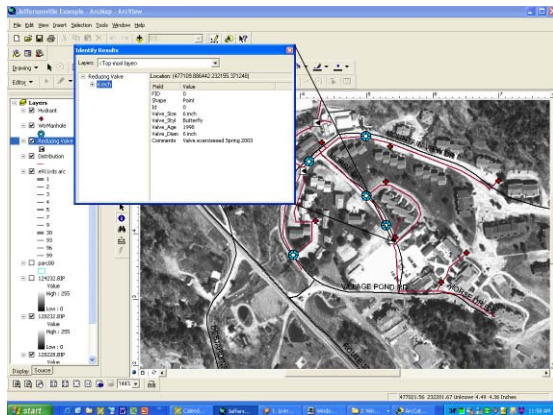


Figure 1. GIS Screen Shot

R.E.A. was selected to complete a water mapping and geo-referenced database for a public water system in north-central Vermont. The project involved the compilation of data from over thirty years of Village sketches, drawings, notes and employee knowledge. All of the system components were field verified and located using GPS surveying techniques to sub-meter accuracy. In addition, **R.E.A.** assisted the town with initial set-up and training with the GIS software.



Figure 2. **R.E.A.** Technician Using GPS



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Key Services

- Archived and digitally scanned all existing site plans.
- Located and geo-referenced all system components using Global Positioning System (GPS) equipment.
- All data created by **R.E.A.** met the standards established by the Vermont Center for Geographic Information (VCGI).
- **R.E.A.** provided the town with initial setup and training for use of the GIS software.

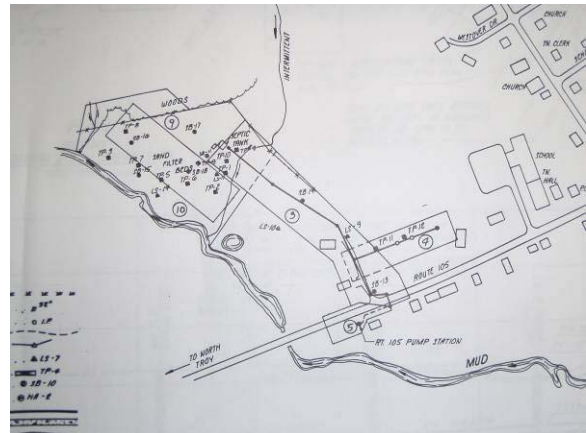


Figure 3. Paper Copy of Site Plans

R.E.A. services put to the test.

Shortly after implementation of the GIS database, the Town needed to hire an outside water system operator due to a serious illness of the Town Public Works Director. The GIS database created by **R.E.A.** for the water system allowed the temporary operator to step right in and run the water system without any disruption of services.

Since that time, **R.E.A.** has assisted several other communities with GIS planning and mapping services.