

# PUBLIC WATER SYSTEMS

## Routine Operation & Maintenance

**R.E.A.** provides routine operation and maintenance (O & M) services for several public community water systems throughout central and northeastern Vermont. The systems include small towns, schools, office buildings and convenience stores. Routine O & M services involve periodic inspection of the various water system components, monthly sample collection, equipment maintenance, reporting & trouble shooting.



Figure 1. Hydrant Maintenance

## Source Protection Plans

**R.E.A.** has developed numerous source protection plans (SPP) for public community water systems following State and Federal guidelines. Preparation of a SPP involves a detailed review and assessment of potential sources of contamination that are located in close proximity of the well head. The State of Vermont requires SPPs to be updated at least every five years.



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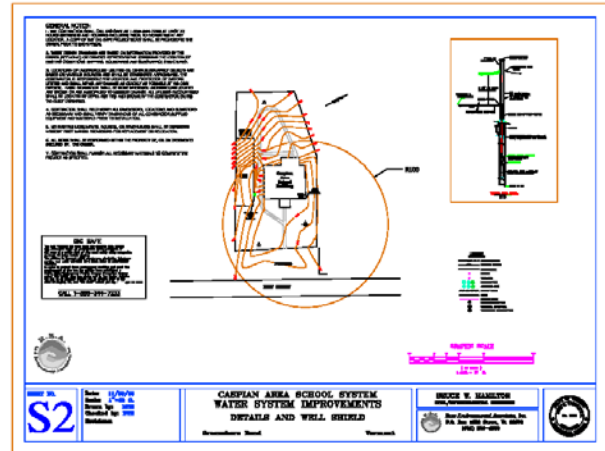


Figure 2. Site Plan Developed for Permit

## Key Services

- Sample collection and field analyses.
- Preparation of Consumer Confidence Reports (CCRs).
- Development of detailed Operation & Maintenance Plans.
- Site surveys using standard surveying techniques and Global Positioning System (GPS) equipment.
- Well maintenance and rehabilitation.
- Hydrant flushing and reservoir cleaning.
- Well Siting and Permitting
- Monitoring Waiver Applications.

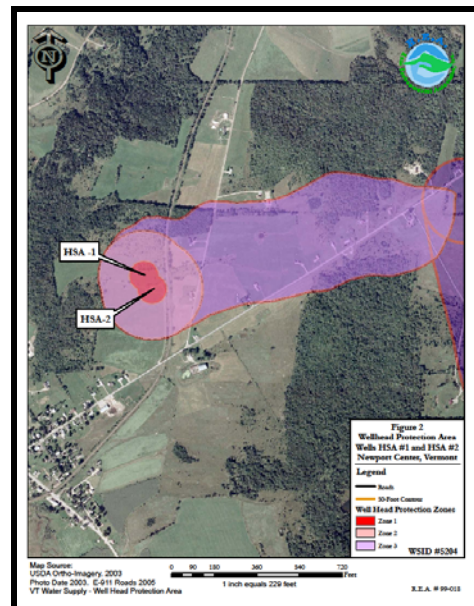


Figure 3. Example Source Protection Area