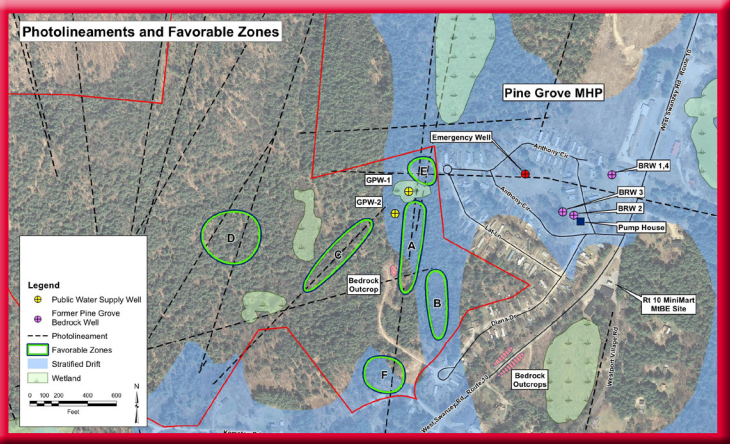
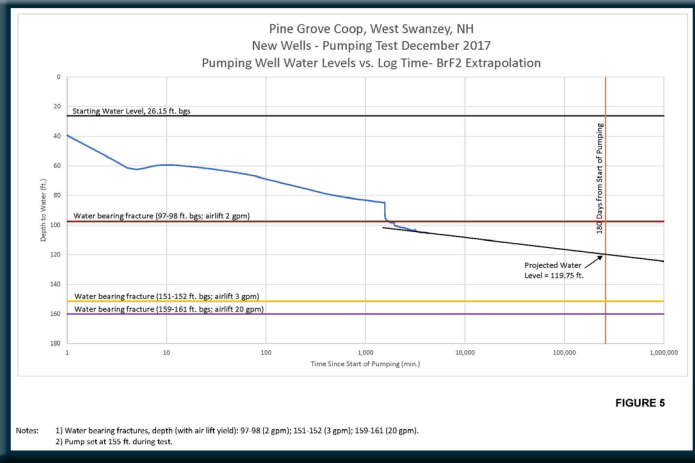


Pine Grove Co-op Water Supply, West Swanzey, NH

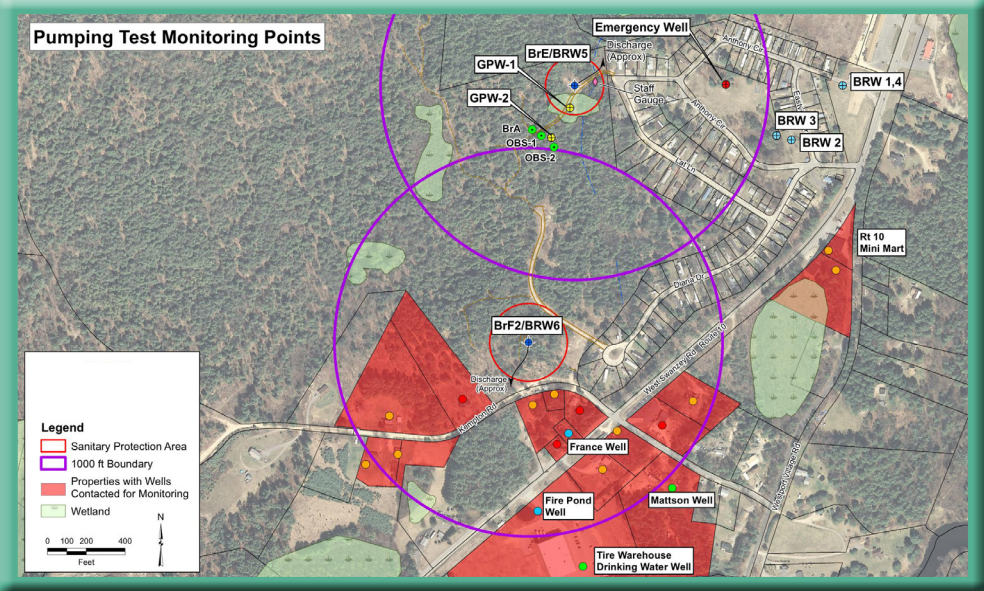
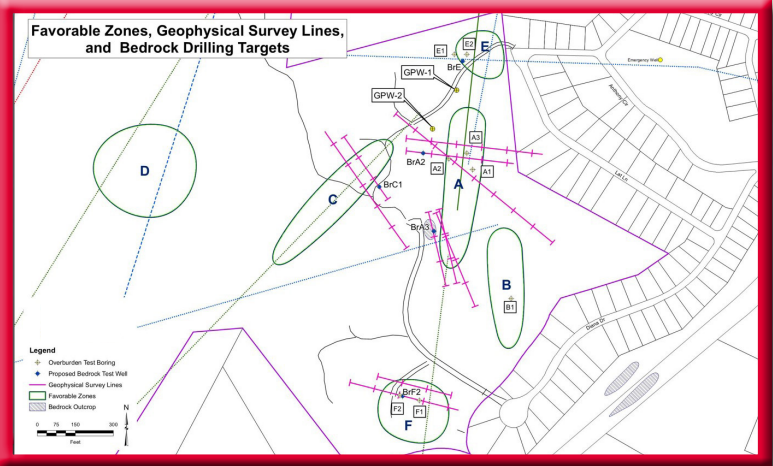
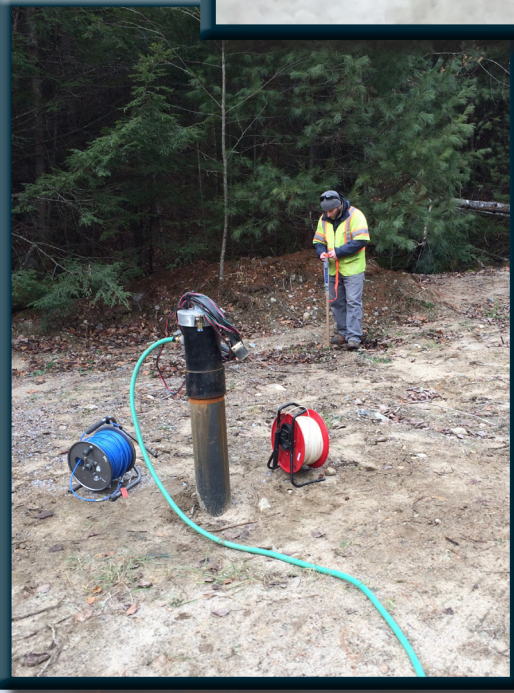
Project Summary

The Pine Grove Mobile Home Park has over 100 residents living in the rural community of West Swanzey, New Hampshire. Since the 1980s, the community had been dealing with issues to their water system including MtBE contaminated wells, water system infrastructure prone to water leaks and a water shortage due to droughts. The community averaged about 26,000 gallons per day of water consumption and the water system was failing to meet this need. Nobis was hired to examine their water issues, find new sources of water, and install water wells that would produce the yield needed to serve their residents.



Challenges

The project faced many challenges including finding a perfect location for the installation of water wells and obtaining the funding needed to complete the installation and connection to the water system. The community was located in a rural area and finding a location to install wells without disturbing the natural habitat was difficult. With the community’s limited financial resources, Nobis also needed to find well locations that were close to the existing water lines to prevent heavy construction needed to connect the wells to the existing water system.



Solutions and Outcomes

Nobis utilized geological surveys to narrow down the perfect well locations and conducted pump testing to identify the wells that would sustain the required yield for the residents. Nobis completed design and permitting setting the stage for construction of the new wells and water lines. Nobis was able to work the NHDES to complete the work within the NHDES MtBE Remediation Bureau and applied for and was awarded \$500,000 in additional funding from the Ground Water Trust Fund to Pay for the replacement of leaky water mains and other infrastructure needs. Today the residents of Pine Grove are able to receive the necessary amount of daily water, the water is clean, and their community is a healthier place.

