

Water System at Castle Rock State Park

RJN designed upgrades to the 20 - 30 year old wells

The State of Illinois Capital Development Board retained RJN Group, Inc. to provide engineering services for the water system at Castle Rock State Park near Dixon, Illinois.

The park has five operating wells – one at the main offices, one at the superintendent’s residence, and the others at three day-use areas. These wells, constructed between 1971 and 1981, were beginning to deteriorate and the day-use areas, which use hand pumps, were difficult to operate. IDNR wanted to replace the wells in the park from a central water well near the main offices to serve the administration and



day-use areas. In addition, there were no provisions for drinking water at the boat ramp adjacent to Route 2. The new well system includes distribution piping to provide water service to the boat ramp location.



RJN’s design provided for the installation of a new well near the main offices and the upgrade of existing wells. The construction cost was approximately \$250,000.

RJN’s responsibilities included:

- Design of the wells (getting wells up to code)
- Preparation of the plans and specifications
- Permit acquisition
- Construction phase monitoring

