

# WATER SYSTEM IMPROVEMENTS

ADEL, IOWA



## PROJECT DESCRIPTION

Due to its proximity to the Des Moines Metropolitan Area, Adel is experiencing significant residential and commercial growth. As a result, demands upon the existing water source, treatment, and distribution system have increased and are nearing system capacity. Much of this critical infrastructure has exceeded its intended useful life and required an upgrade and replacement.

McClure completed a water system master plan, which identified \$25M of water system improvements currently under construction, including two new water supply wells, a new 12" diameter water transmission main, a new reverse osmosis water treatment plant, ground storage reservoir, high-service pumping building, and high-pressure zone water main. A booster pump station has historically serviced a high-pressure zone in the south portion of the City. However, with the construction of the new high-service pumping building and high-pressure zone water main, a redundant water supply to the high-pressure zone was provided. The high-pressure zone water main also has provided the opportunity for continued community growth south of the existing corporate limits, which is poised for even further growth and development opportunities.

## PROJECT HIGHLIGHTS:

- Provides water supply from the new water treatment plant to the high-pressure zone water main system.
- 7,400' of 16" diameter water transmission main (hydrants, valves, fittings).
- 300' of trenchless construction (210' bore-and-jack crossing of U.S. 6).
- 250' of 36" diameter storm sewer.
- ADA-compliant sidewalks and curb ramps for affected intersections.
- Land acquisition services, regulatory coordination, and permitting.

### COMPLETION DATE

2021

### COST OF SERVICES

\$2.4M

### REFERENCE

Kip Overton  
Public Works Director  
515.993.4525  
koverton@adeliowa.org