

# Ground Storage Reservoir

**Project Owner:** City of Orange City, Iowa

## Key Features:

- ◆ New 500,000 gallon prestressed concrete ground storage reservoir
- ◆ New transfer pumps
- ◆ Retrofit high service pump room
- ◆ Coordinate FAA permitting due to adjacent airport

## Detailed Description:

Construction of a 500,000 gallon prestressed concrete ground storage reservoir, site work and site piping.

Conversion of high service pumps from flooded clear well section to canned suction from new ground storage reservoir.

Install transfer pumps to transfer water from water treatment plant to new ground storage reservoir.

## Key Experiences:

- ◆ Provided additional system storage through economical ground storage and pumps verses additional elevated storage
- ◆ Coordinated with FAA to comply with obstruction requirements of adjacent airport

