

Meadowlands Development, LLC (Wastewater)

Facility Information:

Collection Only System Conveying Wastewater to a POTW (Winston-Salem/Forsyth County Utility Commission Sewer System)

Winston-Salem, NC

~454 Service connections

Assets: 3 Lift Stations, collection system

Description of need:

The Meadowlands Sewer system consists of 3 lift stations with accompanying force main and gravity sewer lines. The lift stations are duplex submersible pump style lift stations. The system already has Mission remote monitoring systems installed at all three lift stations; however, the system is not currently functional and likely will require replacement. The lift stations are in generally good condition with, with good condition control systems, backup power, well fenced sites, and well-maintained wet wells and valve vaults. One valve vault has some issues with drainage and should be repaired. One of the control systems has had issues with cold weather and requires a heater.

Proposed Improvements:

In order to ensure the longevity and performance of the Meadowlands Wastewater Collection System, Red Bird Water Utility Operating Company plans to make improvements to the system. The non-functional Mission Remote Monitoring system will be replaced and programmed to allow for immediate response to abnormal operating conditions from system operators, reducing customer impact and preventing backups and overflows. The valve vault with drainage problems should be repaired to prevent damage to valve work. The pump controls which have had issues with cold weather will require the installation of a heating element in order to prevent further interruptions in pump control.

Item	Cost
Install Remote Monitoring (3 sites)	\$24,000
Repair Valve Vault	\$5,000
Install heating Element in pump control panel	\$4,000
TOTAL	\$33,000