

CHEROKEE HEIGHTS NEW SANITARY SEWER & LIFT STATION 2020-001-047

Questions:

Tony Moraska
Haynes Equipment Company
Oklahoma City, Oklahoma

The intent of this message is to submit equivalent pump, package lift station and magnetic flow meter information for your approval to bid as an equal.

I respectfully submit the following:

Existing Sportsmen Acres Lift Station

- (2) Gorman Rupp, SFV4B-X, Submersible VORTEX Impeller Pumps, 4", 10hp, 1750rpm, 230/3/60, XProof Motor, 3" Solids Passage, 32.8' Cable, 325gpm @ 49' TDH
- (2) Gorman Rupp, Quick Disconnect Rail System, 4" Base Elbows, Upper Guiderail Bracket
- (1) Duplex Control Panel, NEMA 3R Enclosure w/ Inner Swing Door, 230/3/60, Autoialer (will provide features as specified)
- (1) ABB, WaterMaster, Magnetic Flow Meter, 6", Remote Mount Transmitter in NEMA 4X Enclosure, 60' Cable

Clarifications:

Spec indicates a cellular autodialer while the plans show hard-wired phone connection. We are proposing hard-wired model unless cellular is in fact required.

This spec indicates Seimens Magnetic Flow Meter while the Cherokee Heights spec indicates ABB is acceptable. We are proposing ABB.

Gorman Rupp products and submersible sewage pumps specifically are manufactured in the USA (Ohio).

Cherokee Heights Lift Station

- (1) Gorman Rupp, Above Ground Submersible Valve Package (ASVP), 4" Piping, Discharge Bypass (other features as specified)
- (2) Gorman Rupp, SFV3B-X, Submersible VORTEX Impeller Pumps, 3", 3hp, 1750rpm, 208/3/60, XProof Motor, 3" Solids Passage, 32.8' Cable, 100gpm @ 26' TDH
- (2) Gorman Rupp, Quick Disconnect Rail System, 3" Base Elbows, Upper Guiderail Bracket
- (1) Duplex Control Panel, NEMA 3R Enclosure, 208/3/60, Autoialer (will provide features as specified)
- (1) ABB, WaterMaster, Magnetic Flow Meter, 4", Remote Mount Transmitter in NEMA 4X Enclosure, 30' Cable

Clarifications:

Gorman Rupp is the originator of the Above Ground Submersible Valve Package (ASVP) as similar to the basis of design.

- Spec indicates a steel base for the package lift station. Steel bases rust quite quickly in sewage applications. The Gorman Rupp design, as standard, incorporates FRP encased concrete base which will never corrode and become compromised due to H2S gas like steel bases will.
- Spec indicates a 5hp pump. This Gorman Rupp VORTEX pump selection is more efficient and as such only requires a 3hp motor. This will save you money in operating costs. Reduced required horsepower has no bearing on the pumps ability to pump water.
- Gorman Rupp products and submersible sewage pumps specifically are manufactured in the USA (Ohio).
- This spec indicates ABB Magnetic Flow Meter as a listed manufacturer. We are proposing ABB.

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Gentlemen,

I have 2 more questions for clarification.

Cherokee Heights Lift Station

Clarifications:

- The specification indicates in one sentence that the pump/impeller type is to be a grinder configuration. Other parts of the spec indicate a VORTEX impeller pump be supplied similar to the Sportsmens Acres Existing Lift Station. Haynes has proposed and recommends a VORTEX impeller pump solution for this lift station as this pump type is much more robust than a grinder type. A grinder pump will be less expensive so if you can clarify this by addendum it would be appreciated.
- The spec indicates the supply of a magnetic flow meter and reference to the plan sheets. I cannot find where the flow meter install location is called out in the plans. Please advise.