



LAKE HAVASU CITY

Community Investment Department

Wastewater System Standardization

Prepared By

Lake Havasu City, Arizona
December, 2018

Soft Starts or VFD's - **Allen Bradley or Cutler Hammer**

Automatic Transfer Switch - **Cutler Hammer or ASCO**

Generator - **Caterpillar, Cummins/Onan, Quiet Site**

Air Relief Valves – **ARI**

SCADA (Related Items)

- Transducer: Submersible pressure type scaled in Feet
 - **Endress + Hauser**
 - **Viatran**
 - **Keller**
 - **Druck**
- PLC (Allen Bradley Micrologix 1500) was discontinued in May 2017. **Allen Bradley** Micrologix 1400 with 1762 I/O for Lift Stations Compact Logix 1769 with 1769 I/O

Pumps (*Centrifugal submersible pumps only*);

- **Meyers**
- **Fairbanks-Morse**
- **Flygt**

***See Sewer Design Standards for additional requirements.**

Manufactures listed above are for reference and system standardization. Request for Approved Equals can be submitted to the Engineering Division for review and approval as long as the equipment meets the requirements of the respective Standard Specification.