

**CITY OF VALDOSTA
UTILITIES DEPARTMENT STANDARD SPECIFICATION
CONTROL OF WASTEWATER FLOWS
(CONTRACTORS TEMPORARY BYPASS PUMPING SYSTEM)**

1. DESCRIPTION

This specification shall govern all work necessary for designing, installing, implementing, operating, and maintaining a temporary bypass pumping and flow control system, as provided by the **Contractor** for the purpose of diverting wastewater flow around the work area for the duration necessary to complete the work (i.e., control of wastewater flows). The **Contractor** shall furnish all materials, labor, equipment, power, maintenance, and incidentals required to maintain continuous and reliable wastewater service in all lines for the duration of the project.

2. SETUP AND REMOVAL

The **Contractor** shall be responsible for furnishing the necessary labor and supervision to set up and operate the pumping and by-passing system. The **Contractor** is responsible for all maintenance of the bypass pumping system to ensure no disruption in the system. The **Contractor** shall provide any means necessary to provide uninterrupted service on main-line service. The **Contractor** shall assure that an overnight bypass will not result in an overflow event.

The **Contractor** shall provide all labor, materials, equipment, and incidentals necessary to remove the bypass pumping system. Prior to removal of the bypass piping, the **Contractor** shall empty all sewage into the sanitary sewer system. The Contractor shall not allow sanitary sewer to discharge onto the ground.

3. BYPASS PUMPS

All bypass pumps shall be fully automatic self-priming units. The pumps may be electric or engine driven. All pumps used shall be constructed to allow dry running for long periods of time to accommodate the cyclical nature of effluent flows.

4. REDUNDANCY

Unless directed otherwise by the **Owner**, the **Contractor** shall provide a spare bypass pump equal in size for each pump required for all bypassing operations. The spare pump shall be on-site and piped for immediate service during all bypass pumping operations. The spare pump shall be configured to start automatically if initial pump fails or cannot maintain flow level in manhole or wet well.