

10.0 INSPECTION/ACCEPTANCE PROCEDURES

10.1 Before final approval of or acceptance of any pump station by the City, there shall be field inspections made by the City's representative. The field inspections shall show that the pump station is fully operable and all necessary appurtenances have installed and constructed in accordance with the plans, designs and specifications approved by the Public Works Department before the start of the construction.

If requested by the City, representatives from the pumping equipment manufacturer and the installing electrical contractor shall be present at the pump station site for final inspection.

Upon completion and prior to acceptance of the installation, the contractor shall subject all the pumping equipment to operating tests as outlined in section 10.4 of this specification to demonstrate satisfactory performance of the equipment. If tests do not demonstrate satisfactory performance of the equipment, deficiencies shall be corrected and equipment shall be retested.

Since sufficient wastewater to test the pump may not be available when the water test is scheduled, the contractor shall arrange to obtain water, at the contractor's own expense, from the public water supply for the test. The minimum quantity of water to be pumped for the test is equivalent to 1.5 minutes of continuous pumping at rated pump capacity for each pump operating alone. Each pump shall be tested a minimum of 2 times.

10.2 FINAL INSPECTION

The final inspection shall be arranged through the Public Works Department, Engineering Division. Pump stations shall only be considered as acceptable for operation and/or maintenance by the City upon written confirmation by the Public Works Department, Engineering Division.

10.3 FINAL GRADING AND SEEDING

All ground surrounding the pump station must be graded, seeded as per the Section 520 of the Sanitary Sewer Specifications and Standards for the City of Columbia, Missouri. Final acceptance of the pump station will not be given until this an effective erosion control has been demonstrated.

10.4 SITE TESTING

All pump station equipment shall be tested at start-up. At a minimum each pump started with the voltage, current and other significant parameters being recorded. The manufacturer shall provide a formal test procedure and forms for

recording data. The pump tests shall be performed by the contractor in the presence of City representatives. The City reserves the right to require representatives from the pumping equipment manufacturers to be present for these tests. The recorded data shall be submitted to the Public Works Department, Engineering Division in conjunction with the as-built electrical schematics before the pump station inspection is called for.

10.5 CONSTRUCTION, OPERATION AND MAINTENANCE

It is the responsibility of the developer to construct the pump station according to the approved construction plans. When the pump station has received construction approval and all operation manuals, specification literature, and electrical diagrams have been received, the pump station and related appurtenances will be accepted by the City of Columbia for operation and maintenance.

10.6 WARRANTY

In addition to the equipment manufacturer's general warranties, the contractor shall warrant the pump station and related appurtenances to be free from defects in materials and workmanship for a period of not less than one year from the date of the City of Columbia's final written acceptance of said pump station.

10.7 FINAL ACCEPTANCE

The following documentation must be submitted to the Public Works Department, Engineering Division before a final inspection will be scheduled:

- ? Four (4) sets of as-built wiring and piping schematics of the pump station site and any station access areas.
- ? Four (4) sets of operation and maintenance manuals.
- ? Warranty documents.

The City will not issue a written letter of acceptance or maintenance responsibility until such time that all of the above documentation has been received and a final inspection has been performed.