

Section 01506

DIVERSION PUMPING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Diversion pumping.

1.02 UNIT PRICES

- A. No separate payment will be made for installation, operation and maintenance of diversion pumping system. Include cost of diversion pumping in other related bid items.

1.03 DEFINITIONS

- A. Diversion pumping is installation and operation of bulkheads, plugs, hoses, piping, and pumps to maintain sewage flow and prevent backup and overflow.

1.04 SYSTEM DESCRIPTION

- A. Diversion pumping provides continuous sewer service to users of sanitary sewer system while maintenance or construction operations are in progress by diverting flow when necessary around construction location and pumping it to downstream manhole. Maintain sewage flow to prevent backup or overflow onto streets, yards and unpaved areas or into buildings, adjacent ditches, storm sewers, and waterways. Do not divert sewage outside of sanitary sewer system.
- B. When diversion pump(s) are operating, an experienced operator shall be on site to monitor operation, adjust pump(s), make minor repairs to system and report problems.

1.05 SUBMITTALS

- A. Make submittals in conformance with Section 01330 - Submittals Procedures.
- B. Diversion pumping systems bypassing line segments with 42-inch diameter or greater sewers, require submittal (prior to installation) of Diversion Pumping Plan with sufficient detail to show location, number and size of pumps, number, location, size and type of hoses and/or rigid piping, and location of downstream discharge. Show any special features where pipes or hoses cross roadways (for example, temporary trenches, support bridges).

1.06 SCHEDULING

- A. When City is operating or maintaining diversion pumping in construction area, coordinate with City Engineer.
- B. Cease diversion-pumping operations when directed by City Engineer.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Design piping, joints and accessories to withstand at least twice maximum system pressure or 50 psi, whichever is greater.
- B. Use self-priming type or submersible electric pumps, with working pressure gauge on discharge. Pumps shall meet requirements of City of Tomball Noise and Sound Level Regulations.

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL

- A. During diversion pumping, do not allow sewage to be leaked, dumped, or spilled in or onto any area outside of existing sanitary sewer system.
- B. In event of accidental spill or overflow, immediately stop discharge and take action to clean up and disinfect spill. Promptly notify City Engineer so required reporting can be made to Texas Natural Resources Conservation Commission (TNRCC) and Environmental Protection Agency (EPA).

3.02 CLEANING

- A. When diversion pumping operations are complete, drain piping into sanitary sewer prior to disassembly.

END OF SECTION