

SECTION 3930 - PUMPING AND BYPASSING

PART 1 - GENERAL

1.1 SCOPE OF WORK:

Provide all labor, materials, equipment and services required for pumping and bypassing sewage flows.

PART 2 - EXECUTION

2.1 PUMPING AND BYPASSING:

- A. Flow through existing sanitary sewers and manholes shall not be interrupted, except as follows: flow may be interrupted long enough to reconfigure inverts in existing manholes or to core drill existing manholes, as necessary. Flow may also be interrupted to connect an existing sewer into a new sewer and to plug the outlet to be abandoned in the manhole. All situations requiring interruption of flows shall be carefully coordinated with the OWNER and ENGINEER at least three working days in advance. Anytime the flow through existing sanitary sewers or manholes is interrupted, the CONTRACTOR shall provide bypass pumping of the sewage to a truck or downstream manhole, as approved by the OWNER. Under no circumstances should sewage be allowed to surcharge new or existing sewers or manholes or to flow onto or into the ground. Length of bypass pumping shall be minimized as much as possible.

- B. When pumping and bypassing is required, the CONTRACTOR shall supply the pumps, conduits, and other equipment to divert the flow of sewage around the sewer(s) or manhole(s) in which work is to be performed. The bypass system shall be of sufficient capacity to handle the same capacity as the sewer being bypassed, unless otherwise approved in writing by the ENGINEER. Pumps used for bypassing shall be capable of passing at least a 3" solid sphere, and bypass piping shall have a minimum size of 4" diameter. The CONTRACTOR will be responsible for furnishing the necessary labor and supervision to set up and operate the pumping and bypassing system. If pumping is required on a 24-hour basis, engines shall be equipped in a manner to keep noise to a minimum, and a spare back-up pump will be required. A spare back-up pump may be required at other locations or times as indicated in the construction documents. All fuel tanks for pump or generator motors shall be filled by the CONTRACTOR prior to leaving the job site if bypass pumping must continue. The CONTRACTOR will not suspend work for more than 24 hours during operation of a bypassing system, unless otherwise permitted by the ENGINEER.

PART 3 - BASIS OF PAYMENT

Pumping and bypassing of sewage is not a pay item unless otherwise indicated on the proposal forms..

END OF SECTION