

## SECTION 02101

## CONTROL OF WATER

## PART 1 GENERAL

## 1.1 SUBMITTALS

Government approval is required for all submittals with a "GA" designation; submittals having an "FIO" designation are for information only. The following shall be submitted in accordance with Section 01300 SUBMITTAL PROCEDURES:

## SD-08 Statements

Construction Method; FIO

The Contractor shall submit a statement describing the methods to be employed to dewater the site and keep it dry during the construction cycle. The statement shall also describe the removal of all provisions for dewatering at the end of construction and the restoration of the site.

## PART 2 PRODUCTS (Not Applicable)

## PART 3 EXECUTION

## 3.1 DEWATERING THE SITE

## 3.1.1 General

This work consists of performing all operations necessary in dewatering the site of the work so that excavation, grading, soil placement, pipe placement, and related work may be accomplished, to the greatest extent practicable, in the dry or under conditions where harmful amounts of water are not present. For turbidity control reference is made to paragraph, Protection of Water Resources, of SECTION: ENVIRONMENT PROTECTION.

## 3.1.2 Methods

The Contractor may use an approved method of dewatering which will accomplish the desired results. If pumps are utilized, the Contractor shall provide sufficient pumps and other equipment to dewater the area to an extent satisfactory to the Contracting Officer. For information purposes only, the Contractor shall submit his proposed dewatering method before dewatering operations are commenced. The Contractor shall assume full responsibility for the adequacy of his dewatering method, and prior knowledge by the Government of the Contractor's method of diversion will in no way release the Contractor from the fulfillment of his obligations or place the Government, in any manner, responsible for any losses due to failure or inadequacy of the dewatering method used.

## 3.2 CONTROL OF WATER

## 3.2.1 General

The Contractor shall be responsible for protecting the work from damage by water originating from any source.

### 3.2.2 Dewatering Requirements

All permanent construction shall be carried on in areas free from water. The Contractor shall be responsible for providing, maintaining, monitoring and removing all diversion and water control facilities. Water in varying quantities may be encountered within the levee excavation. At all locations where construction work is at lower elevation than the elevation of the ground water at the time of doing the work, suitable sumps, cofferdams, dikes or well point systems shall be constructed. The construction area shall be dewatered prior to commencement of the work, and all subgrades and excavations slopes whether for earth fill, filter, or concrete, shall be kept drained and free of water throughout the working period. Proper selection of suitable dewatering techniques will be required to ensure slope stability in some instances. Within 10 days after award of the contract, the Contractor shall submit plans showing the methods he proposes to use to dewater each working area and control the water from rain, sheet flow and other surface water. The plans shall show the scheme of operations and a complete layout of drainage pipes, pumps, diversion channels, sand-bagging, etc. The Contractor shall assume full responsibility for the adequacy of his dewatering methods, and prior knowledge by the Contracting Officer of the Contractor's method of dewatering will in no way release the Contractor from the fulfillment of his obligations or place the Government, in any manner, responsible for any losses due to failure or inadequacy of the dewatering method used.

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