

SECTION 02511
SPRING CONTROL

02511.01 GENERAL**A. Description**

Spring control installation shall include, but not necessarily be limited to; furnishing and installing pipe, filter fabric, and granular filter material, underdrain pipe outlets, and blind drains using granular material in accordance with the Contract Documents.

B. Related Work Included Elsewhere

1. Protection of the environment; Section 01500.
2. Trench excavation, backfill, and compaction; Section 02250.
3. Underdrain installation; Section 02510.

C. Quality Assurance

1. Materials
 - a. The Engineer will inspect all materials before and/or after installation to ensure compliance with the Contract Documents. When specific materials tests are called for in the referenced standards and specifications, the Engineer will have the option of requiring that any or all of these tests be performed for materials furnished for a specific project. When testing is required, it will be specified herein or in the “Special Provisions”.
 - b. Quality assurance for pipe materials for spring control shall be as specified in Section 02510.01.
2. Field Tests

Field tests shall be as specified in Section 02510.01.

D. Submittals

Shop drawing and certificate of compliance requirements shall be as specified in Section 02510.01.

02511.02 MATERIALS**A. Materials Furnished by the County**

The County will not furnish any materials for spring control.

B. Contractor's Options

None.

C. Detailed Material Requirements

Detailed material requirements shall be as specified in Section 02510.02.

02511.03 EXECUTION

The installation of pipe, aggregate filter material, filter fabric, pipe outlets, and blind drains shall be as specified in Section 02510.03.

02511.04 METHOD OF MEASUREMENT

Measurement for spring control will be made of the component materials furnished and installed as shown on the Standard Details or as directed by the Engineer.

1. Measurement for Class 3 excavation will be made of the amount of material excavated.
2. Measurement for aggregate backfill will be made of the amount of aggregate furnished and installed.
3. Measurement for perforated underdrain and underdrain outlet pipe will be made horizontally along the centerline of pipe for each size of pipe installed.

02511.05 BASIS OF PAYMENT**A. General**

1. Payment will be made at the unit prices bid. The price bid shall include furnishing of all labor, tools, equipment, and materials necessary to complete the work as specified and directed by the Engineer, in strict accordance with the Contract Documents, and accepted by the Engineer.
2. Payment will be made for contingent items when ordered by the Engineer. Payment will be made as specified in Sections 02951, 02952, 02953, 02954, 02955, 02956, and 02957.

B. Spring Control

Payment for furnishing and installing spring control will be made for the materials installed as directed by the Engineer.

1. Payment for Class 3 excavation will be made per cubic yard of material excavated. The price bid shall include excavation, backfill, and compaction, and all incidental work as specified in Section 02250.

2. Payment for furnishing and installing aggregate backfill will be made per cubic yard of aggregate installed. The price bid shall include furnishing and installing filter fabric liner and all other incidental work as required.
3. Payment for furnishing and installing underdrain and underdrain outlet pipe will be made per linear foot of the size and type of pipe installed. The price bid shall include furnishing and installing all pipe, couplings, and all other incidental items necessary to make the underdrains operational.

END OF SECTION