

NATURAL RESOURCES CONSERVATION SERVICE

CONSTRUCTION SPECIFICATION

638 - WATER AND SEDIMENT CONTROL BASIN

1. SCOPE

The work shall consist of constructing the water and sediment control basin at locations shown on the drawings.

Prior to commencing construction, public utilities shall be notified in accordance with N.Y.S. Industrial Code 753.

2. MATERIALS

The earth material used in constructing the control basin shall be obtained from the basin area or other approved sources. It shall be free of frozen particles, brush, roots, sod, topsoil, woody material, stones over 6 inches in diameter, or other objectionable materials.

3. FOUNDATION PREPARATION

The foundation area shall be cleared of all trees, stumps, roots, brush, boulders, sod, and debris. All topsoil shall be removed. The foundation material shall not be frozen, and its surface shall be thoroughly scarified before placement of fill materials.

4. OUTLET PIPE

The pipe shall be placed on a firm foundation to the lines and grades shown on the plans. Selected backfill material shall be placed around the conduit in 4 inch layers. Each layer shall be thoroughly compacted with hand-operated equipment to a height of 2 feet over pipes and other structures. Pipe material shall be as specified on the drawings. The outlet pipe shall be connected to the underground outlet, and shall be installed according to Construction Specification 620, Underground Outlet.

5. BORROW AREA

Borrow areas within the basin area must be located and used so pervious materials are not exposed which could cause the basin to leak. It may be necessary to obtain part or all of the borrow material from outside the basin area.

Borrow areas shall be finished so they are suitable for the planned use after construction is completed.

6. FILL PLACEMENT

The placing and spreading of fill material shall be started at the lowest point of the foundation. The fill shall be placed in approximately horizontal layers not to exceed 9 inches. The distribution and gradation of materials throughout the fill shall be such that there will be no lenses, pockets, streaks, or layers of material differing substantially in texture or gradation from the surrounding material. Each layer of fill material shall be compacted with 3 passes of the construction equipment so that all parts of each layer are equally compacted. Bulldozers, carryalls, or rollers shall be used for the compaction. Fill material should contain sufficient moisture so that it can be formed into a ball without crumbling. If water can be squeezed out of the ball, it is too wet to compact properly.

7. EMERGENCY SPILLWAY

If specified, the completed spillway excavation shall conform to the lines, grades, depth, width, and sideslopes shown on the drawings.

8. MEASUREMENT AND PAYMENT

Payment for the Water and Sediment Control Basin will be made at the contract lump sum price. Such payment shall constitute full compensation for all labor, material, equipment, tools and all other appurtenances necessary and incidental to the completion of the work.

Compensation for any item of work described in the contract but not listed in the bid schedule will be included in the payment for the work to which it is made subsidiary. Such items are identified in Section 9 of this specification.

9. ITEMS OF WORK AND ADDITIONAL CONDITIONS: