

## Construction Specification

### **635. VEGETATED TREATMENT AREA**

#### **1. SCOPE**

The work shall consist of furnishing materials and installing all components for the treatment area as outlined in this specification and the drawings.

Component practices such as settling facility, distribution system, vegetation, and fence shall be installed according to the applicable specifications.

Construction work covered by this specification shall not be performed between December 1st and the following March 15th unless the site condition and/or construction methods to be used have been reviewed and approved by the responsible Engineer or Representative.

#### **2. FOUNDATION PREPARATION**

Only track mounted equipment and vehicles shall be permitted within the treatment area.

All trees, brush, fences, manure, silage and rubbish shall be cleared within the treatment area and any borrow areas. All stumps, roots larger than four inches in diameter and rubbish shall be removed from the designated earth fill areas to a depth of at least six inches below the existing ground surface. All material removed by the clearing and grubbing operation shall be disposed of as directed by the Owner or his/her Representative.

Unless otherwise set forth in Section 5, existing topsoil and sod shall be stripped from the designated excavation or fill areas and any borrow areas. Sufficient topsoil is to be stockpiled in a convenient location for use on the treatment area and other disturbed areas to facilitate seeding. Final grading of the foundation prior to any fill placement shall remove all rocks larger than six inches and all saturated soil, and any slopes steeper than 1:1.

The treatment area shall be excavated to the lines, grades and elevations shown on the drawings, or as described in Section 5. The

materials excavated from the treatment area shall be placed in one of the following ways:

- a. as shown on the drawings or as described in Section 5. If not applicable, then
- b. uniformly spread outside the treatment area to a height not exceeding three feet with the top graded to a continuous slope away from the treatment area, or
- c. hauled to a disposal area as directed by the Landowner.

#### **3. EARTH FILL**

The fill material shown in the drawings shall be obtained from the designated borrow areas and/or required excavations. The material shall be free from stumps, wood, brush, roots, sod, rubbish, and other matter that may decay. It should also be free of stones over six inches in diameter. Frozen material shall not be placed in the fill nor shall the fill material be placed on a frozen foundation.

Prior to placing the fill material on any portion of the foundation, that portion shall be scarified, plowed, or disked to a depth of three inches. All objectionable material exposed by this operation, i.e., other than the mineral soil that has been identified for use as fill, shall be disposed of as directed by the Owner. The thickness of each layer of fill prior to compaction shall be no greater than 12 inches. Materials placed on the fill by dumping in piles or windrows shall be spread uniformly to not more than the specified thickness. The only compaction required or desired is that achieved in the process of placing the fill. The entire fill surface shall receive at least one pass, but no more than three passes, of the tracked equipment.

The moisture content of the fill material shall be maintained within the limits required to: (a) prevent bulking or dilatance of the material under the action of the compaction equipment; (b) prevent the adherence of the fill material to the tracks of the equipment; and (c) insure the crushing and blending of the soil clods and aggregations into a reasonably homogeneous mass. The fill material should contain sufficient

moisture so that it can be formed into a ball. If water can be squeezed out of the ball, it is too wet to compact properly and shall be dried prior to compaction. Dry soil (that cannot be formed into a ball or that produces dust under traffic) shall be wetted and mixed prior to compaction.

#### **4. TOPSOIL PLACEMENT**

Only track mounted equipment shall be permitted on the treatment area.

All of the stockpiled topsoil shall be spread over the entire re-graded surface of the treatment area. The topsoil shall be uniformly spread to the finished grades. The topsoil shall be dry enough that it does not adhere to the equipment tracks. Equipment traffic on the topsoil shall be kept to an absolute minimum.

#### **5. ADDITIONAL CONDITIONS WHICH APPLY TO THIS PROJECT ARE:**

