

# NATURAL RESOURCES CONSERVATION SERVICE

## CONSTRUCTION SPECIFICATION

### 435 – SITE PREPARATION, GRADING & SHAPING

#### 1. SCOPE

The work shall consist of removing bar deposition, providing gravel bedding, preparing streambank slopes and channel bottom width to the specified dimensions, toe rock excavation, grading and shaping site areas within the construction area which were disturbed during construction.

The preparation of an Erosion and Sediment Control Plan, furnishing materials, installing and maintaining erosion and sediment control measures, and removal of measures upon completion of construction, is also included in this work.

#### 2. BAR REMOVAL

Bar removal will consist of removing any gravels, sands, silts and/or rocks within the construction limits which have been shown on the site plans or designated in the construction notes for removal. The disposal area first to be used will be any streambank area on site needing fill and shaping for rock placement. Excess bar material will be disposed of as designated on the individual site plan.

No bar material will be moved through flowing water prior to dewatering site.

A channel bottom width specified for each site which requires bar removal is to be maintained throughout the construction limits for each site.

All prepared or shaped surfaces (banks and channel) are to be reasonably uniform and smooth.

#### 3. BANK SHAPING AND BEDDING FOR ROCK PLACEMENT

The banks where rock placement is to occur shall be shaped to the designated side slope for that site with site bar material or with a bank run gravel when on-site bar material is not available.

When site fill material and rock bedding is needed for a site, a suitable bank run gravel source will be located by the contractor. The bank run gravel shall be free of large boulders, cobbles and organic material.

Prior to slope rock placement, approval of the sloped bank for alignment and side slopes shall be obtained from the site inspector.

4. DISTURBED AREAS

The access area, storage area for rock and/or equipment, disposal areas on site for excavated materials and the bank areas above the rock placement are to be graded and shaped.

5. GRADING AND SHAPING

The disturbed areas are to be graded so that no pockets or depressions are left in any disposal or storage area; nor shall any drainageway or road ditch be blocked. All areas disturbed are to be shaped reasonably smooth. All surplus rock riprap not capable of being covered or blended in with the grading and shaping operation will be removed from site. The grading and shaping operations shall be conducted in such a manner that trees not marked for removal shall not be damaged during the construction operations.

6. EROSION AND POLLUTION CONTROL

Construction operations shall be carried out in such a manner that stream erosion and pollution are minimized. State and local laws concerning pollution control shall be followed.

No gravel bar material will be pushed through flowing water. When fill is being placed in flowing water, stream flow shall be diverted from the fill area.

7. MEASUREMENT AND PAYMENT

For items of work for which specific lump sum prices are established in the contract, payment for site preparation, grading and shaping will be at the lump sum price established in the contract. This payment shall include full compensation for all labor, equipment, material and any other item necessary and incidental to the completion of the work.