

# CONSTRUCTION SPECIFICATION

## PA 412-GRASSED WATERWAY

### 1. SCOPE

The work shall consist of the construction and shaping of the Grassed Waterways at locations and grades shown on the drawings or as stated in Section 5 of the specification.

### 2. MATERIAL

#### a. Earth Fill

The earth material used in constructing the grassed waterway shall be obtained from the grassed waterway area, or other approved sources.

b. Other required materials shall be as shown in the drawings or in Section 5 of this specification.

### 3. FOUNDATION PREPARATION

All trees, stumps, brush and similar material are to be removed from the site and disposed of in a manner consistent with environmental concerns and proper functioning of the grassed waterway. The area shall be stripped of vegetation, topsoil, and unsuitable material. Topsoil shall be stockpiled and spread uniformly over the finished waterway, unless stated otherwise in Section 5 of this Specification.

### 4. PLACEMENT

Fill shall contain no frozen materials, rocks greater than 6 inches in diameter, roots or wood greater than 2 inches in diameter or 4 inches in length, sod, brush, or other objectionable material.

The earth fill shall be compacted by routing the hauling and spreading equipment over the fills in such a manner that the entire surface of the fills will be traversed by not less than one tract tread of the loaded equipment. The completed grassed waterway shall conform to the cross section shown on the drawings.

When an excess of earth material results from cutting the grassed waterway to the cross section and grade it shall be spread adjacent to the grassed waterway without blocking surface runoff from reaching the waterway, or in another designated area where fill is needed.

Excess water shall be diverted away until vegetation is established or options specified in the drawings and/or in Section 5 of this Specification. These shall be implemented immediately after seeding. Any diversion type works shall then be removed once vegetation is established. These disturbed areas shall be seeded to permanent grass.

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