V. CONCRETE STRUCTURES

Concrete structures shall meet minimum requirements set forth in the "Tolerated Maryland State Highway Department Specifications for Materials, Reinforcement, and Structural Structures," as amended.

A. Article 28.30 (Portland Cement Concrete pavements), Min. Meas.
B. Article 28.30 (Specifications).

VI. STABILIZATION

All borrow areas shall be graded to provide smooth drainage and to be in a stabilizing condition. All points should be selected for the embankment, borrow, and borrow areas, and borrow shall be stabilized by seeding, tilling, fertilization, mulching, or seeding or stabilization materials on the surface to be covered.

A. 100

1. Specifications: Soil shall be stabilized by the following:
   a. Fertilizer
   b. Mulch
   c. Seeding

2. Soil Preparation: Soils shall be graded and compacted for proper drainage prior to stabilization. Soil stabilization shall be placed in lifts not to exceed 12 inches in thickness. Each lift shall be thoroughly compacted by hand tools or mechanical equipment. The area shall be properly marked and related to the elevation in the area to be the borrow material.

3. Seed Installation: Seed shall consist of a mixture of grasses, legumes, and other plant materials suitable for the area. Seed shall be distributed at a rate of 50 - 100 lbs. per acre to the topsoil layer. Each seed mixture shall be distinctly marked and labeled. Seed shall be distributed evenly and uniformly over the area. Seed shall be properly protected from wind and rain prior to installation.

B. Soil Improvement

All disturbed areas shall be stabilized as follows:

1. Trenches - Trenches shall be backfilled with topsoil and/or other acceptable materials before backfilling.
2. Soil Materials - Basalt, granite, and other acceptable materials shall be used in the area to be the borrow material. Basalt shall be placed in lifts not to exceed 12 inches in thickness. Each lift shall be thoroughly compacted by hand tools or mechanical equipment. Basalt shall be distributed at a rate of 50 - 100 lbs. per acre to the topsoil layer. Each basalt mixture shall be distinctly marked and labeled. Basalt shall be distributed evenly and uniformly over the area. Basalt shall be properly protected from wind and rain prior to installation.
3. Soil Preparation: Soils shall be graded and compacted for proper drainage prior to stabilization. Soil stabilization shall be placed in lifts not to exceed 12 inches in thickness. Each lift shall be thoroughly compacted by hand tools or mechanical equipment. The area shall be properly marked and related to the elevation in the area to be the borrow material.

C. TERRAIN STUDIES

1. Seed Preparation: As a rule, 100 lbs. per acre of soil shall be placed in the area to be the borrow material. Basalt shall be placed in lifts not to exceed 12 inches in thickness. Each lift shall be thoroughly compacted by hand tools or mechanical equipment. Basalt shall be distributed at a rate of 50 - 100 lbs. per acre to the topsoil layer. Each basalt mixture shall be distinctly marked and labeled. Basalt shall be distributed evenly and uniformly over the area. Basalt shall be properly protected from wind and rain prior to installation.
2. Soil Preparation: Soils shall be graded and compacted for proper drainage prior to stabilization. Soil stabilization shall be placed in lifts not to exceed 12 inches in thickness. Each lift shall be thoroughly compacted by hand tools or mechanical equipment. The area shall be properly marked and related to the elevation in the area to be the borrow material.

D. DETAILING

Concrete structures shall be detailed in accordance with the latest Tolerated Maryland State Highway Department Specifications and the "Tolerated Maryland State Highway Department Specifications for Materials, Reinforcement, and Structural Structures," as amended.

- Standard Specifications and Details for Construction of the Board of County Commissioners, Min. Meas.
- Specifications for Materials, Reinforcement, and Structural Structures of the Maryland State Highway Department, Min. Meas.
- Standard Specifications for Pavements of the State Highway Department of Maryland (March 1967), July, 1967 as amended.

E. APPROVAL

The contractor or designer shall submit the final plans and specifications for approval of the County Commissioners at least 30 days prior to the date of the contract award.