INSTRUCTIONS FOR USE OF CONSTRUCTION SPECIFICATION 25

ROCKFILL

1. APPLICABILITY

   Construction Specification 25 is applicable to rockfill constructed of hard, durable rock with sufficiently open grading to drain freely. It does not apply to riprap slope protection nor to earthfill constructed of rocky soils or of soft rock which is expected to breakdown during compaction activities.

2. MATERIAL SPECIFICATIONS

   There are no material specifications complementary to Construction Specification 25.

3. ITEMS TO BE INCLUDED IN CONTRACT SPECIFICATIONS AND DRAWINGS

   a. Complete plans and cross-sections of the required fills. Include any required construction tolerances measured from the lines and grades shown on the drawings.

   b. Zoning plans, including gradation requirements for materials in each zone.

   c. Specifications for bedding.

   d. Pay limits where applicable.

   e. The source of each type of fill.

   f. Screening or other processing requirements.

   g. Specifications for wetting during placement and compaction, if required. If water is to be added and is to be included in the separate pay item for water, add the statement: Water applied to the fill material will be measured and payment will be made as specified in Construction Specification 10, Water for Construction.

   h. Class of compaction for rockfill. Specify more passes or heavier equipment if test fills or other sources of information indicate the need for it. (Class I is intended for use where the highest degree of compaction is required, Class II is intermediate, and Class III is for use where no special compaction is needed.)

      When specifying Class II compaction, note in Section 10 the method (a, b, or c) that applies. Note also if one or more of the methods are to be excluded.

   i. Class of compaction for bedding. Also specify more passes or heavier equipment if more than minimum amounts specified in Section 8 may be needed.

4. DISCUSSION OF METHODS

   a. Section 5, Placement.

(1) Method 1 is intended for use whenever the grading of materials within the fill is not a critical element of the design.

(2) Method 2 is intended for use when the piping or cracking potential of the core zone is a critical element of the design or when the percentage of large rock is relatively low and special slope protection is desired.