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252-fp14.docx

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| --- |
| Use on projects when rockeries are specified |

## Section 252. – ROCKERY, SPECIAL ROCK EMBANKMENT, AND ROCK BUTTRESS

**Description**

**252.01** Delete the text and substitute the following:

This work consists of constructing rockeries. Rockeries are formed of interlocking, dry-stacked rocks without reinforcing steel, mortar, or concrete. Rockeries may be constructed as either single structures or in tiers.

This work also consists of constructing special rock embankment and rock buttresses. Special rock embankments and rock buttresses are designated as hand-placed or mechanically-placed. Rock embankment consists of furnishing and placing hand-placed or mechanically-placed rock in fill sections. Rock buttress work consists of furnishing and placing hand-placed or mechanically-placed rock in cut sections.

**Material**

**252.02** Add the following:

Plastic pipe 708.04

**Construction Requirements**

**252.03 Rockery.** Add the following:

Prior to the start of rockery construction submit the experience of the primary equipment operator responsible for placement of base, facing, and cap rocks.

**(b) Erection.** Add the following after the third paragraph:

Avoid placing rocks which have shapes that create voids with a linear dimension greater than 12 inches (300 millimeters).

Delete the sixth paragraph and substitute the following:

Backfill with granular rock backdrain concurrent with rock placement until level with the top of rock. Place granular rock backdrain in horizontal layers not to exceed 12 inches (300 millimeters) compacted depth. Within 2 feet (600 millimeters) above any subsurface drainage pipe, consolidate granular rock backdrain by rodding or other approved means to produce a uniform, tight fill. Compact each layer according to Subsection 204.11. Compact areas not accessible to rollers with other approved methods.

**Measurement**

**252.06** Add the following to the second paragraph:

Structure excavation, granular rock backdrain, foundation fill, drainage pipes (perforated and non-perforated), and geotextile will not be measured for payment and are considered incidental to the rockery.

**Table 252-1**. Delete table and substitute the following:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 252-1**  **Sampling, Testing, and Acceptance Requirements** | | | | | | | | | |
| **Material or**  **Product**  **(Subsection)** | **Type of**  **Acceptance**  **(Subsection)** | **Characteristic** | **Category** | **Test Methods**  **Specifications** | **Sampling**  **Frequency** | **Point of**  **Sampling** | **Split**  **Sample** | **Reporting**  **Time** | **Remarks** |
| **Source** | | | | | | | | | |
| Rock for  buttresses  (705.05) | Measured and  tested for  conformance  (106.04 & 105) | Rock breadth  and thickness | − | Subsection  705.05(a)(1) | 1 per  rock type | Source of  material | No | Before  using  in work | − |
| Apparent  specific  gravity | − | AASHTO T 85 | " | " | Yes | " | Not required  when using  Government  -provided  source |
| Absorption | − | " | " | " | " | " | " |
|  |  |  |  |  |  |  |  |
| Rock for  rockeries  (705.06) | " | Apparent  specific gravity | − | " | 1 per  rock type | Source of  material | Yes | Before  using  in work | Not required  when using  Government  -provided  source |
| Absorption | − | " | " | " | " | " | " |
| LA abrasion | − | AASHTO T 96 | " | " | " | " | " |
|  |  |  |  |  |  |  |  |
| Soundness  using  sodium sulfate | − | AASHTO T 104 | " | " | " | " | " |
| Rock for  special rock  embankment  (705.04) | Process control  (153.03) | Size | − | See Note (1) | 1 per  100 yd3  (80 m3) | In-place | No | 24  hours | − |
| Rock for  buttresses  (705.05) | " | " | − | " | 1 per  100 yd3  (80 m3) | " | " | " | − |
| (1) For mechanically placed embankments, verify rock size by confirming that the largest accessible rock has an intermediate dimension greater than the D50 size specified in Table 705-2. Also confirm that the smallest accessible rock has an intermediate dimension within the lower D50 size range specified in Table 705-2.  For hand placed embankments, verify rock size by confirming that the largest accessible rock has an intermediate dimension greater than the D75 size specified in Table 705-3. Also confirm that the smallest accessible rock has an intermediate dimension within the D25 size range specified in Table 705-3. | | | | | | | | | | |