NOTE:

1. Construct rockery and place base, facing, and cap rocks according to Section 252. Place each rock individually by equipment suitable for lifting, manipulating, and placing rocks of the size and shape specified. Ensure that each rock is firmly set and supported by underlying materials and adjacent rocks. Reposition or replace loose rocks.

2. A maximum tolerance of 6 inches may be applied toward the total base rock width. Use rock with minimum L of 5 feet 6 inches. Do not consecutively place base rocks with widths less than B.

3. Place base, facing, and cap rocks so that their height dimension is not greater than their width. The largest dimension of the base, facing, and cap rocks is parallel to face of rockery.

4. Where loose, soft, or otherwise unsuitable foundation soil conditions are encountered, contact the CD for supplemental recommendations.

5. Discharge outlet pipes to a protected outlet or other permanent drainage structure at low points in the rockery and at 100 feet (max.) spacing.

6. Do not construct rockeries or slopes exceeding the heights shown on the Rockery Design Table without prior written approval by the CD.

7. Construct rockeries parallel to curb grade unless otherwise noted.

8. Furnish geotextile filter type conforming to subsection 714.03(a). See summary tables for classification and type.

ROCKERY DESIGN TABLE

<table>
<thead>
<tr>
<th>STATION</th>
<th>LT/RT TIER</th>
<th>MAX. HEIGHT (T)</th>
<th>MIN. BASE ROCK WIDTH (B)</th>
<th>MAX. CUT/BATTER V/H</th>
<th>MIN. ROCK WEIGHT (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEGIN</td>
<td>END</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Rockery Design Data:

- Friction angle, $\phi = \ldots$°
- Cohesion, $c = 0$
- Bulk unit weight, $\gamma_g = 149.7$ lb/ft$^3$
- Allowable bearing pressure = $\ldots$ lb/ft$^2$

A. Maximum cut slope batter for design purposes only. Actual cut slope batter may be flatter.

SECTION PROPERTIES
Notes to the Designer

Last Updated: July 2020

General Information

1. **Project-Specific Information.**
   a. The typical section includes a rockery with paved ditch. Typical sections with other ditch types are shown above the drawing – use the typical sections that fit your project.
   b. Coordinate with Geotech to fill in the information in the Rockery Design Table and to select the geotextile type.

2. **Existing Ground Above the Rockery.** If the existing ground slope is steeper than 1:1 above the rockery, coordinate with Geotech (may need to include a concrete v-ditch along the top of the rockery).


   This guide describes the procedures for using GEOPAK to show the rockery design in the cross sections.

Applicable SCRs


Typical Pay Items Used

- 25210-0000 Rockery SQFT
- Other items, including structure excavation, foundation fill, granular rock backdrain, and 4-inch drain pipes, are considered incidental (need to show estimated quantities for information only in the rockery summary table on the B sheets)

Updates

September 2008
- Incorporated comments after SCR Team review

April 2011
- Revised slope above rockery from 1:6 to 1:varies to match GEOPAK criteria

August 2014
- Updated for FP-14, eliminated tiers

July 2020
- Updated geotextile reference