

**ROCKERY WITH PAVED DITCH
TYPICAL SECTION**

NOTE:

1. Construct rockery and place base, facing, and cap rocks according to Section 252 of the SCRs. 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 longest 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 CO for supplemental recommendations.
5. Surround the perforated pipe on all sides by at least 4 inches of permeable backfill according to Subsection 703.04 of the SCRs.

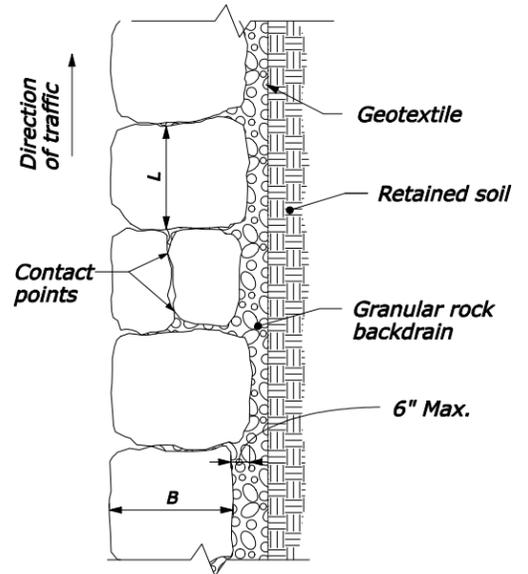
Discharge outlet pipes to a protected outlet or other permanent drainage structure at low points in the rockery and at 100 feet (max.) spacing.
6. Do not construct rockeries or slopes exceeding the heights shown on the Rockery Design Table without prior written approval by the CO.
7. Construct rockeries parallel to curb grade unless otherwise noted.

ROCKERY DESIGN TABLE							
STATION		LT/RT TIER	MAX. HEIGHT H (ft)	MIN. BASE ROCK WIDTH B (ft)	MAX. CUT ^(A) SLOPE BATTER V:H	MIN. ROCK WEIGHT (lb)	
BEGIN	END					CAP ROCK	BASE ROCK

Rockery Design Data:

Friction angle, $\phi = \text{---}^\circ$
 Cohesion, $c = 0$
 Bulk unit weight, $\gamma_R = 149.7 \text{ lbf/ft}^3$
 Allowable bearing pressure = $\text{---} \text{ lbf/ft}^2$

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



**BASE ROCK
PLAN VIEW**
See Note 2

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 CENTRAL FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY SPECIAL

ROCKERY

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SPECIAL
252-A

NOT TO SCALE