Width B

Design

Table

see Rockery Min.

ROCKERY WITH RIPRAP-LINED DITCH TYPICAL SECTION

12"

Existing ground Top of rockery Cap rock--12" (Min.) topsoil over the backdrain H table Granular rock backdrain see See Subsection 703.3(C) Pay of the SCRs Facing-Edge of rock Type I-B Geotextile shoulder 24" 5% Min. slope (typ.) (Min.) Retained soil Bottom of rockery Cut slope Batter Base rock see Rockery Design Table 6.) 12" 4 inch Ø perforated pipe (5.)Paved ditch as Min. shown in the plans Width B 12" see Rockery Min. Foundation fill (12" Min.) Design Table see Subsection 704.01 of the FP03

ROCKERY WITH PAVED DITCH TYPICAL SECTION

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

Rockery Design Data:

as shown in the plans

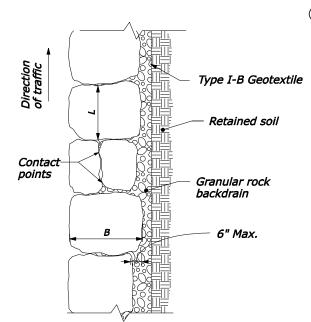
Foundation fill (12" Min.)

see Subsection 704.01

of the FP03

Friction angle, \emptyset = ____ ° Cohesion, c = 0 Bulk unit weight, γ_R = 149.7 lbf/ft³ Allowable bearing pressure = ___ lbf/ft²

(A.) Minimum cut slope for design purposes only. Actual cut slope batter may be greater (6.)



NOTE:

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.

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- 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.
- 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.

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. Stability of temporary cut slopes is the responsibility of the Contractor.
 - Do not construct rockeries or slopes exceeding the heights shown on the Rockery Design Table without prior written approval by the CO.
 - . Construct rockeries parallel to curb grade unless otherwise noted.

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

Sheet 1 of 2

SPECIAL 252-A

NOT TO SCALE

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