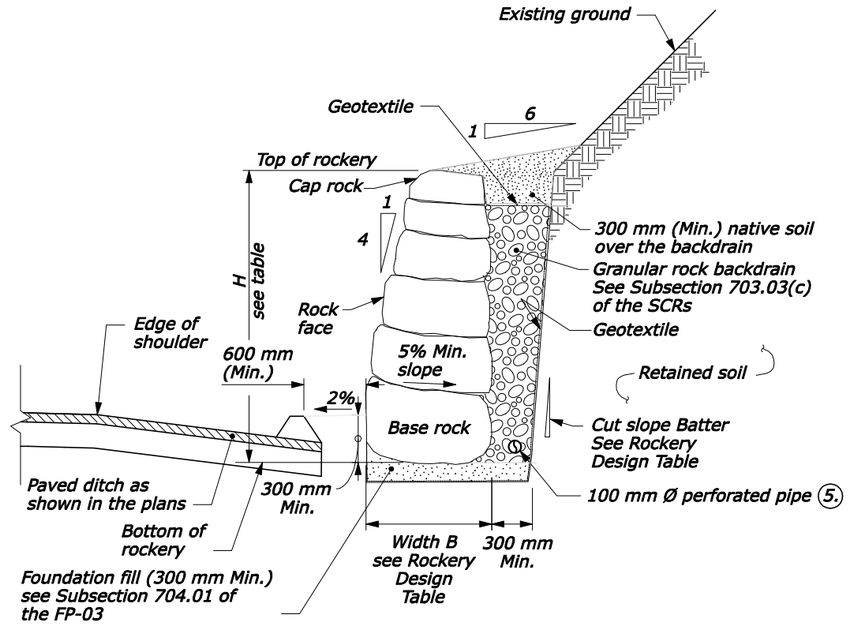
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
.	.	.	.	.



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 150 mm may be applied toward the total base rock width. Use rock with minimum L of 1.7 m. 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 100 mm 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 30 m (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.

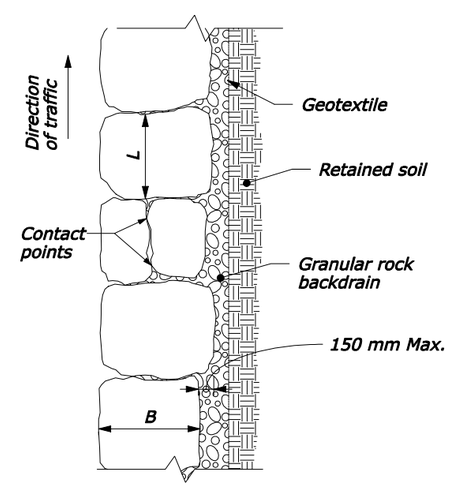
ROCKERY DESIGN TABLE

STATION		LT/RT TIER	MAX. HEIGHT H (m)	MIN. BASE ROCK WIDTH B (m)	MAX. CUT A. SLOPE BATTER V:H	MIN. ROCK WEIGHT (kg)	
BEGIN	END					CAP ROCK	BASE ROCK

Rockery Design Data:

Friction angle, Ø = ___ °
Cohesion, c = 0
Bulk unit weight, γ_R = 23.5 kN/m³
Allowable bearing pressure = ___ KPa

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



BASE ROCK PLAN VIEW

See Note 2

NOT TO SCALE

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

METRIC SPECIAL

ROCKERY

Sheet 1 of 2

SPECIAL
M252-A

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