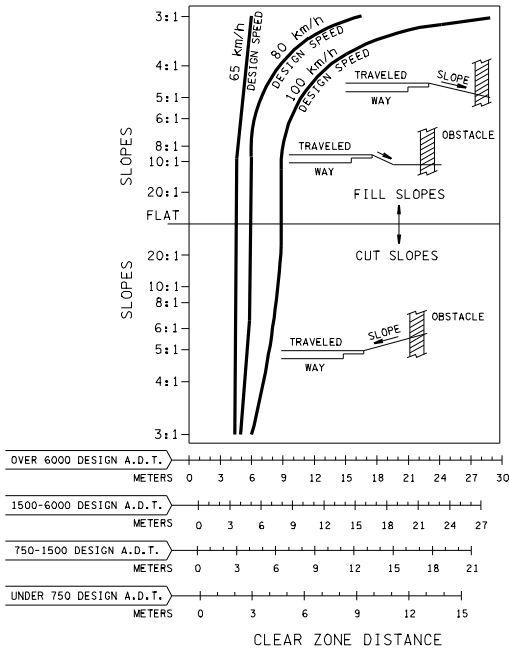


- REV. 11-1-95: CHANGED TO METRIC.
REV. 3-20-02: ADDED SPECIAL NOTE.
REV. 3-31-03: CHANGED EFFECTIVE DATE IN SPECIAL NOTE.

GENERAL NOTES

- 1 CLEAR ZONE IS DEFINED IN AASHTO'S "ROADSIDE DESIGN GUIDE" AS THE TOTAL ROADSIDE BORDER AREA, STARTING AT THE EDGE OF THE TRAVELED WAY, AVAILABLE FOR SAFE USE BY ERRANT VEHICLES. THIS AREA MAY CONSIST OF A SHOULDER, A RECOVERABLE SLOPE, A NON-RECOVERABLE SLOPE, AND/OR A CLEAR RUN-OUT AREA. THE DESIRED WIDTH IS DEPENDENT UPON THE TRAFFIC VOLUMES AND SPEEDS, AND ON THE ROADSIDE GEOMETRY. SEE "ROADSIDE DESIGN GUIDE" FOR MORE DETAILED INFORMATION.
- 2 CLEAR ZONE DISTANCES ARE RELATED TO DESIGN SPEED AND TRAFFIC VOLUME AS SHOWN IN THE FOLLOWING CHART:



- 3 SLOPES AT THE TOE OF FILLS AND TOP OF CUTS SHALL BE ROUNDED TO BLEND INTO THE EXISTING TERRAIN IN SUCH A MANNER AS TO BE AESTHETICALLY PROPORTIONAL.

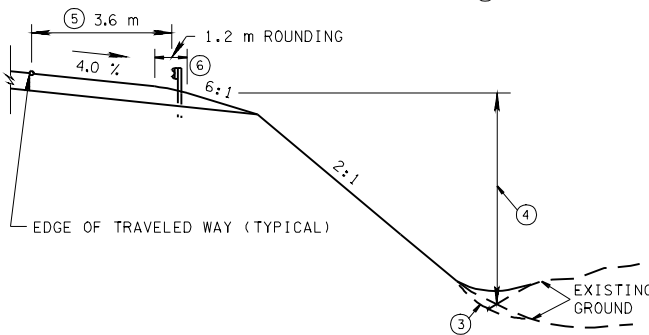
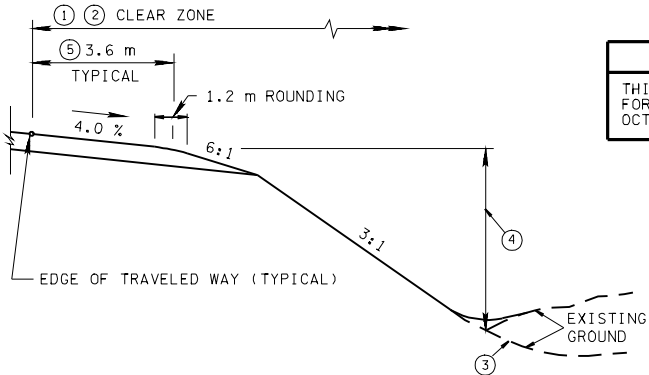
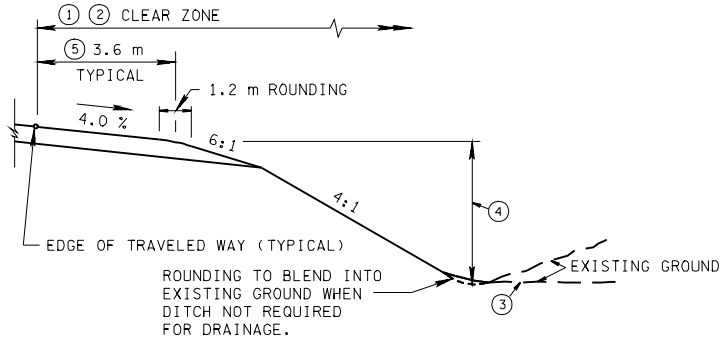
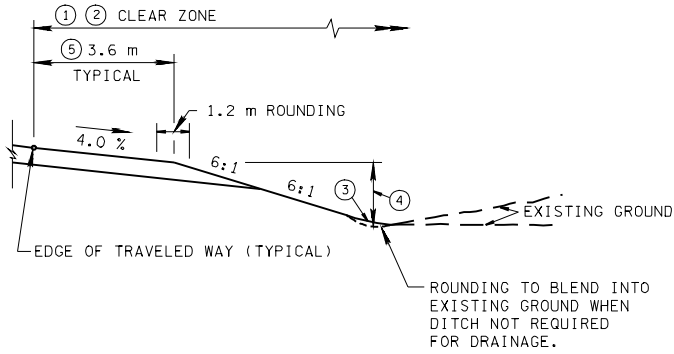
GENERAL SLOPE TABLE			
CASE I		CASE II	
FILL SLOPES	HEIGHT OF FILL (4)	FILL SLOPES	HEIGHT OF FILL (4)
6:1	0 m - 2.1 m	4:1	0 m - 1.8 m
4:1	2.1 m - 4.6 m	3:1	1.8 m - 2.4 m
3:1	4.6 m - 8.5 m	2:1	2.4 m - 3.7 m
2:1	OVER 8.5 m	(7) 1.5:1	OVER 3.7 m
CUT SLOPES	DEPTH OF CUT (4)	CUT SLOPES	DEPTH OF CUT (4)
4:1	0 m - 4.6 m	4:1	0 m - 1.8 m
3:1	4.6 m - 6.1 m	3:1	1.8 m - 2.4 m
2:1	OVER 6.1 m	2:1	2.4 m - 3.7 m
		(7) 1.5:1	OVER 3.7 m

CASE I: FOR ALL INTERSTATE, ARTERIALS AND HIGH SPEED COLLECTORS (80 km/h OR GREATER) HIGH VOLUME (CURRENT ADT OVER 400).

CASE II: FOR LOCAL ROADS AND STREETS AND COLLECTORS NOT COVERED IN CASE I.

SPECIAL NOTE

SHOULDER DETAILS SHOWN ON THIS SHEET ARE APPLICABLE TO OUTSIDE SHOULDER ONLY, ON PROJECTS AS DESCRIBED IN CASE I ABOVE. FOR DETAILS OF INSIDE SHOULDERS ON MULTI-LANE ROADWAYS, SEE APPROPRIATE STANDARD DRAWINGS. SOME SHOULDERS MAY BE LESS THAN 3.6 m SHOWN. FOR OUTSIDE SHOULDER DETAILS APPLICABLE TO PROJECTS AS DESCRIBED IN CASE II, SEE STANDARD DRAWINGS RDM-TS-1 OR RDM-TS-2.



SPECIAL NOTE

THIS DRAWING IS NOT TO BE UTILIZED FOR NEW DESIGN PROJECTS BEGUN AFTER OCTOBER 1, 2002.



ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

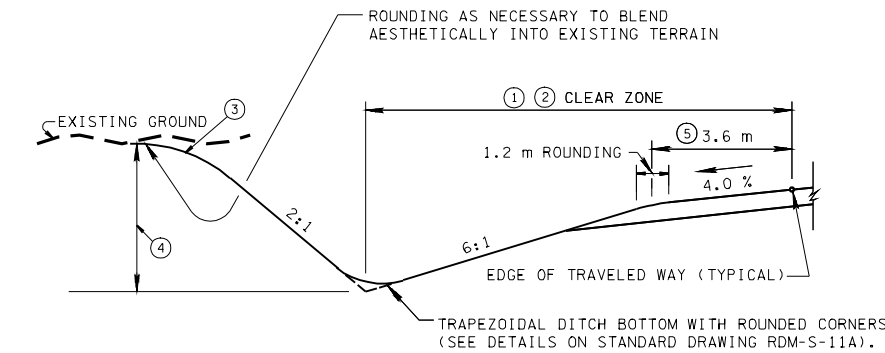
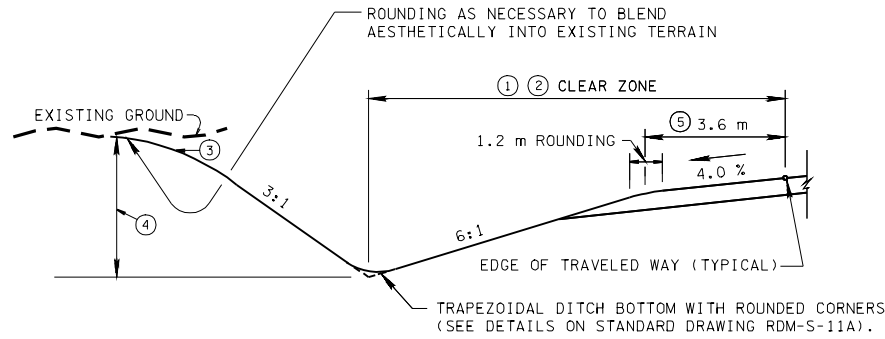
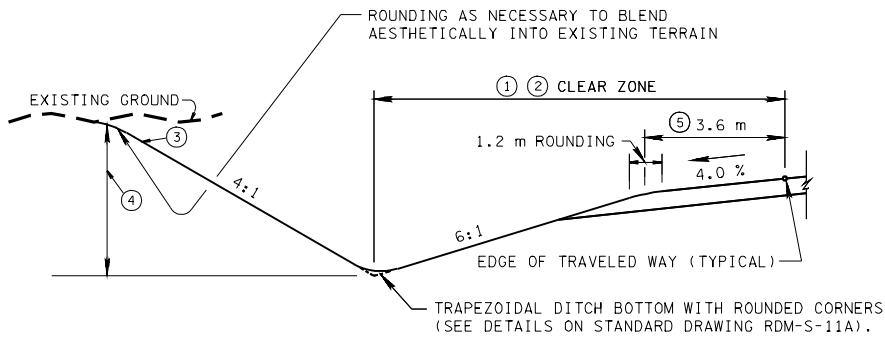
MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

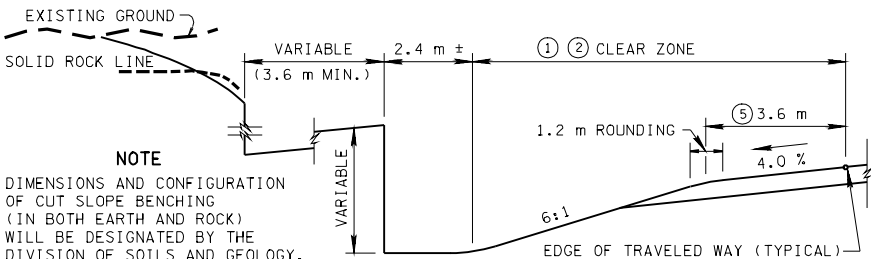
DESIGN AND
CONSTRUCTION
DETAILS
FOR ROADSIDE
SLOPE DEVELOPMENT

11-1-95

RDM-S-11



CUT SLOPES IN EARTH



NOTE
DIMENSIONS AND CONFIGURATION OF CUT SLOPE BENCHING (IN BOTH EARTH AND ROCK) WILL BE DESIGNATED BY THE DIVISION OF SOILS AND GEOLOGY.

CUT SLOPE IN ROCK

(SHOWING PRE-SPLIT VERTICAL SLOPE)

- (4) HEIGHT OF CUT AND FILL SHOWN IN GENERAL SLOPE TABLE.

- (5) THESE DISTANCES ARE FOR USE WITH CASE I SLOPE CHART. FOR CORRECT SHOULDER WIDTH SEE APPROPRIATE DRAWING IN THE RDM-TS-SERIES.

FILL SLOPES

- (6) GUARDRAIL IS REQUIRED ON ALL 2:1 SLOPES, AND ON ANY OTHER SLOPES WHERE UNREMOVABLE HAZARDS EXIST WITHIN THE CLEAR ZONE.

- (7) FILL AND/OR CUT SLOPES STEEPER THAN 2:1 ARE TO BE USED ONLY WHEN RECOMMENDED OR APPROVED BY THE SOILS AND GEOLOGY SECTION. WITHOUT THEIR APPROVAL OR RECOMMENDATION, USE 2:1 SLOPES FOR ALL FILL AND/OR CUT SLOPES GREATER THAN 3.6 m.