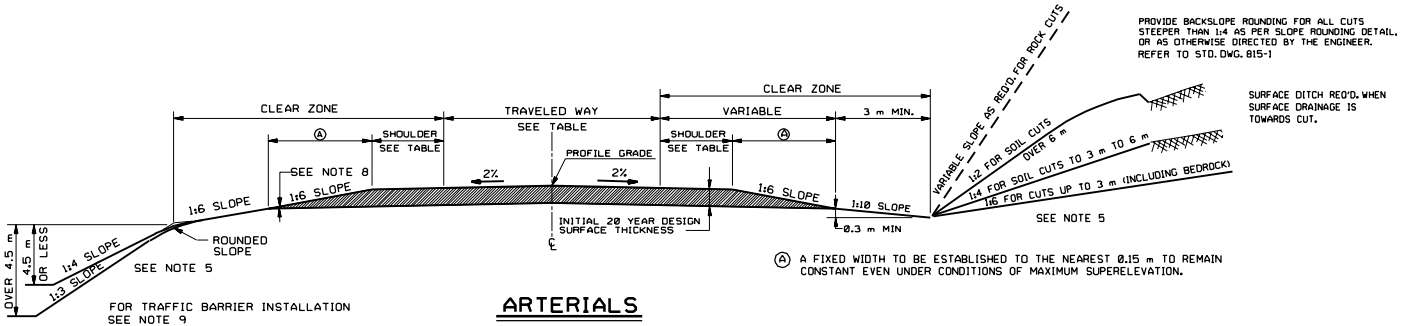
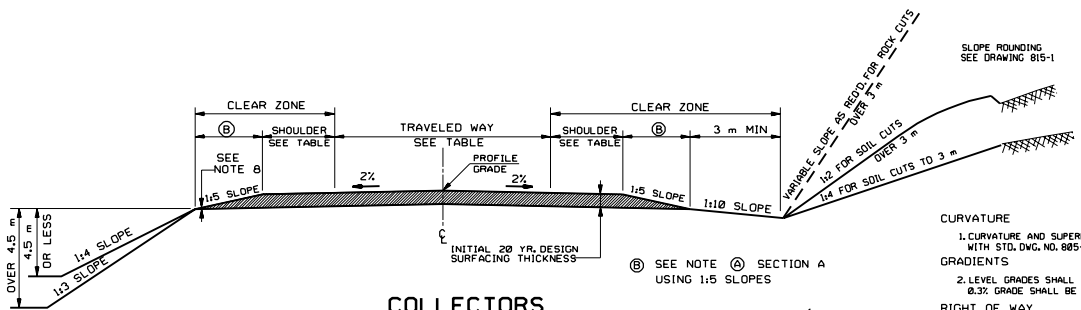
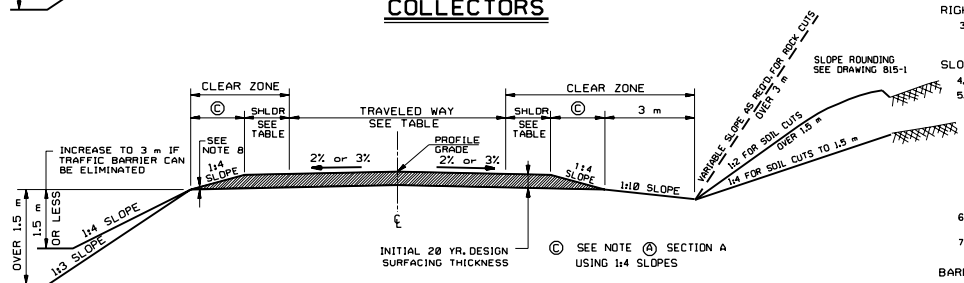


ARTERIALS



COLLECTORS



LOCAL ROADS

CURVATURE

1. CURVATURE AND SUPERELEVATIONS SHOULD BE IN ACCORDANCE WITH STD. DWG. NO. 805-1.

GRADIENTS

2. LEVEL GRADES SHALL BE PERMITTED ON FILL SECTIONS BUT A MINIMUM 0.3% GRADE SHALL BE MAINTAINED THROUGHOUT CUT OR CURBED SECTIONS.

RIGHT OF WAY

3. THE MINIMUM R/W CLEARANCE SHALL BE 6m OUTSIDE THE TOE OF FILL SLOPES. 9m OUTSIDE THE TOP OF CUT SLOPES FOR THROUGH HIGHWAYS AND RAMPS AND 3m FOR FRONTAGE ROADS.

SLOPES

4. USE OF CONSTANT DISTANCE CUT AND FILL SLOPE IS RECOMMENDED.
5. IN RUGGED TERRAIN STEEPER CUT AND FILL SLOPES WILL BE REQUIRED WHEN EXCESSIVE QUANTITIES WOULD RESULT WITH SPECIFIED SLOPES. SLOPES USED SHOULD BE STABLE AS DETERMINED BY GEOLOGICAL AND SOIL INVESTIGATION. SLOPES ARE ALSO SUBJECT TO VARIATION AS MAY BE RECOMMENDED WHERE EXISTING RIGHT OF WAY IS RESTRICTIVE AND COSTS FOR PROVIDING ADDITIONAL RIGHT OF WAY WOULD BE EXCESSIVE. WHERE A DESIGN EXCEPTION TO THE DITCH WIDTHS SHOWN IS TO BE CONSIDERED FOR ROCK CUTS OVER 3 m, ROCKFALL CATCHMENT ANALYSIS WILL BE REQUIRED (SUCH AS RICHIE- 1963), WITH DITCH WIDTHS CONFORMING ACCORDINGLY.
6. TRANSITIONS FROM FLAT TO STEEPER CUT AND FILL SLOPES SHALL BE MADE IN SUFFICIENT DISTANCE SO AS TO PROVIDE A NATURAL PLEASING APPEARANCE.
7. TYPICAL DETAILS FOR SECTION ON CURVE, SECTION ON TANGENT, CUT DITCH FLARING, AND BENCHED SLOPE SHALL BE IN ACCORDANCE WITH STANDARD DRAWING 815-1.

BARRIER GRADING

8. ON BRIDGE APPROACH, GRADE OUTSIDE EMBANKMENT AND MEDIAN TO CONFORM TO THE TRAFFIC BARRIER DESIGN.
9. INSTALL TRAFFIC BARRIER IN ACCORDANCE WITH AASHTO 'ROADSIDE DESIGN GUIDE'
10. BEGIN OVERLAYS ON THE PAVEMENT SIDE SLOPE WHERE A 25mm MINIMUM THICKNESS CAN BE OBTAINED.

ALL DIMENSIONS ARE SHOWN IN METERS (m) UNLESS OTHERWISE NOTED.

REVISIONS

NO.	DATE	APPR.	REMARKS
1	12/01/98	J.J.A.	REVISED SLOPES AND CHANGED SHEET NUMBERS.
2	11/14/98	J.J.A.	CORRECT ARROWS, REVISED BARRIER DETAIL.
3	01/08/01	J.J.A.	REVISED NOTE 5, REVISED CUT DETAILS, ADDED NOTE 7 AND RENUMBERED 8-9 AND 10.
4	02/29/01	J.J.A.	REVISED SLOPING NOTES.
5	04/10/01	FPW	CHANGED NOTE REFERENCE TO NOTE 4 UNDER 'MATERIALS'
			PUT SURFACE DITCH AT TOP OF CUT AND REVISED NOTE 4.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — APR.10.2001 DATE

CHAIRMAN STANDARDS COMMITTEE — APPROVED — APR.10.2001 DATE

DEPUTY DIRECTOR

(METRIC)

STANDARDS FOR RURAL TWO LANE HIGHWAYS

STANDARD DRAWING TITLE

STD. DWG. NO.

815-3A