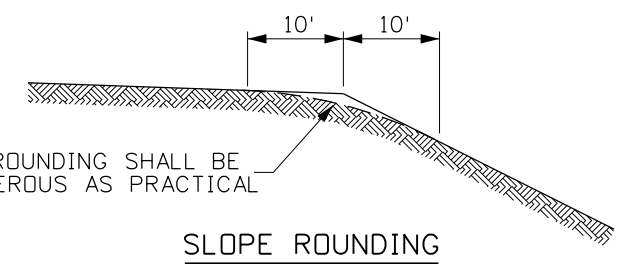
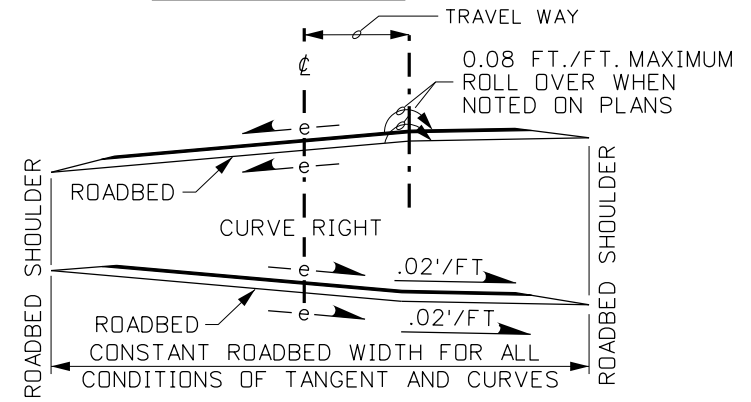


\* b BERM SHALL BE CONSTRUCTED TO A HEIGHT SUFFICIENT TO PROVIDE PROPER DRAINAGE BUT NOT EXCESSIVE IN ORDER TO MAINTAIN SAFETY AND APPEARANCE.

**MEDIAN BERM SECTION**

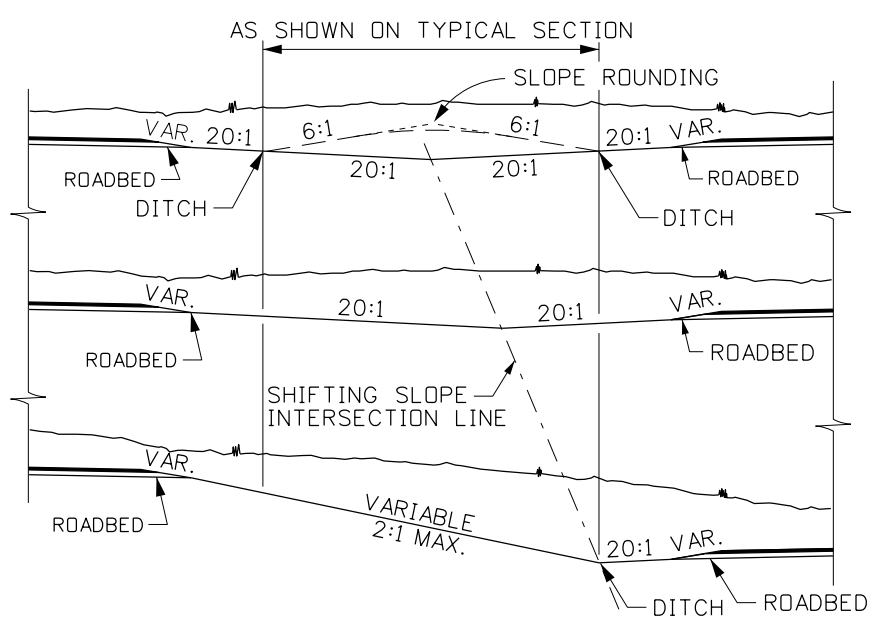


**SLOPE ROUNDING**



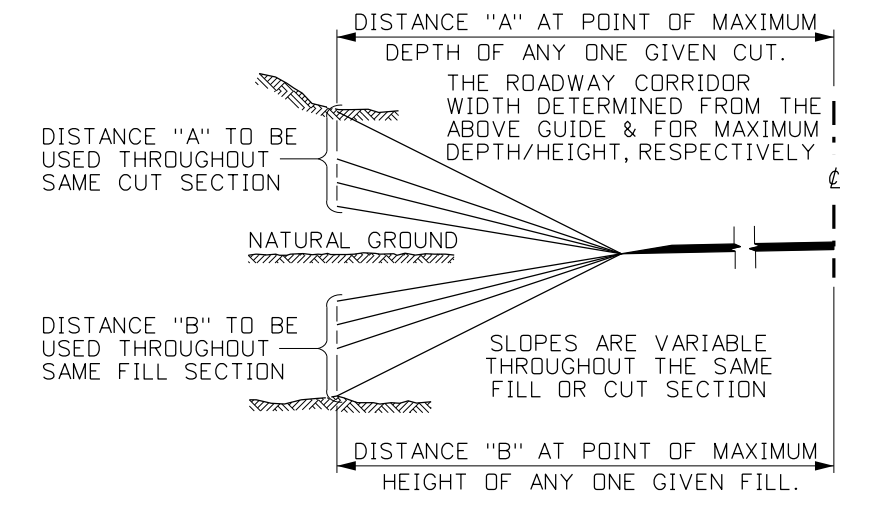
**SUPERELEVATION - FOUR LANE**

**GUIDE FOR DETERMINING UNIFORM WIDTH**



**SHIFTING SLOPE MEDIAN GRADING**

MEDIAN SLOPE CRITERIA	
WHERE MEDIANS ARE 100' OR LESS IN WIDTH USE A 20:1 SLOPE ON EACH ROADWAY UNTIL THE HEIGHT OF UPPER ROADWAY CAUSES THE SLOPES TO INTERSECT AT A MINIMUM DITCH DEPTH ON THE LOWER ROADWAY.	
WHEN THE UPPER AND LOWER GRADE ELEVATIONS OF SEPARATE ROADWAYS BECOME TOO GREAT TO USE A 20:1 MEDIAN SLOPE USE A VARIABLE SLOPE TO A MAX. OF 2:1 SLOPE. MAINTAIN THE MINIMUM DITCH OF THE LOWER ROADWAY.	
FOR MEDIANS OVER 100' IN WIDTH USE STANDARD INTERSTATE SLOPES. TREAT EACH ROADWAY AS A SEPARATE ROADWAY.	



**SLOPE CONSTRUCTION - UNIFORM WIDTH METHOD**

**NOTES**

- CUT AND FILL SLOPES IN DIFFICULT TERRAIN OR WHERE UNSTABLE SOIL EXISTS MAY REQUIRE SPECIAL CONSIDERATION. REFER TO THE IDAHO TRANSPORTATION DEPARTMENT'S BMP MANUAL.
- SLOPE ROUNDING SHALL CONSIST OF TWO 10' MINIMUM CHORDS OR AN EQUAL ROUNDED SURFACE.
- ROADWAY ROLL OVER IS NOT TO BE USED UNLESS NOTED ON PLANS.
- ROADSIDE SLOPE TREATMENT SHALL BE DONE AS SHOWN ON STANDARD DRAWING A-6 AND/OR AS DIRECTED ON THE PLANS.
- AS STANDARD DESIGN PROCEDURE ALL SLOPES MUST BE CHECKED TO DETERMINE IF THERE IS A GUARDRAIL WARRANT BASED ON HEIGHT AND STEEPNESS OF SLOPE.
- WHEN THE USE OF GUARDRAIL IS WARRANTED, WIDEN SHOULDER AREAS AS SHOWN ON STANDARD DRAWING G-1-A-1.
- THE UNIFORM WIDTH METHOD FOR SLOPE CONSTRUCTION SHALL BE USED ON ITD ROADWAY PLANS WHEN PRACTICAL.
- DRAWING NOT TO SCALE.

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	02-69		6	03-90	GB	11	05-07
2	07-70		7	12-94	MSM	12	07-09
3	01-73		8	02-00	MSM	13	05-05
4	02-83		9	02-03	MSM		
5	03-87	GB	10	06-05	MSM		

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME: a1\_0515.dgn  
 DRAWING DATE: APRIL, 1961

**IDAHO TRANSPORTATION DEPARTMENT**

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**FREWAY GRADING**

**English**  
 STANDARD DRAWING NO.  
**A-1**  
 SHEET 1 OF 1

ORIGINAL SIGNED BY:  
 DATE ORIGINAL SIGNED:  
 MAY 28, 2015