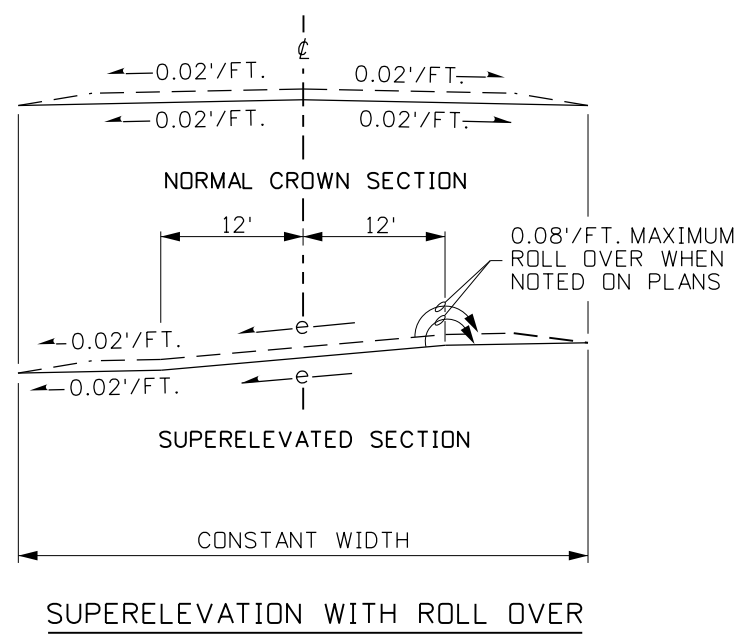
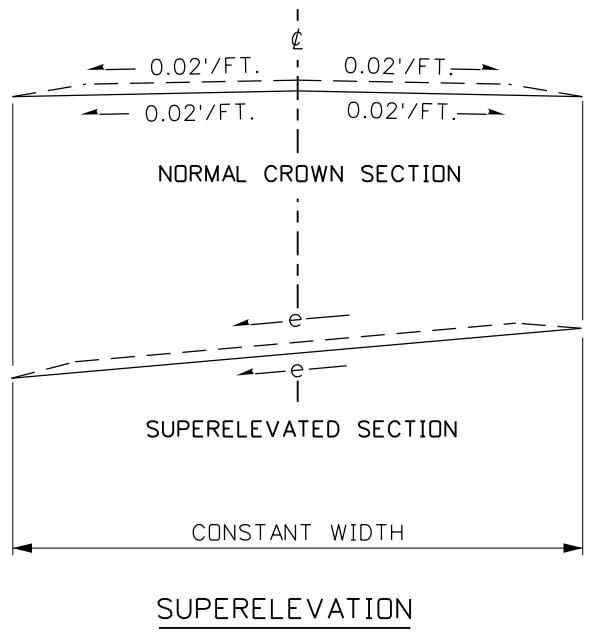
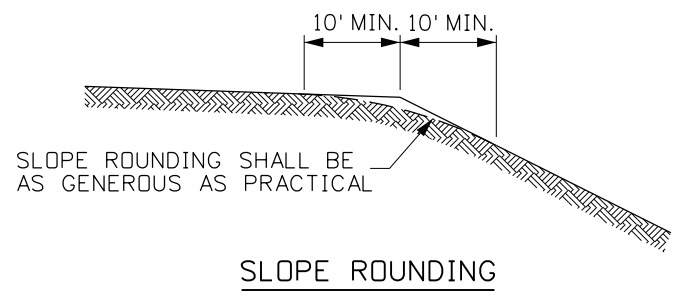


**SLOPE GRADING**

**NOTES**

- FOR THE 8' CATCH POINT CONTROL DISTANCE:  
 USE 4:1 SLOPE FOR CUTS AND FILLS UP TO 2.0' IN HEIGHT.  
 USE VARIABLE SLOPES FOR CUTS AND FILLS OVER 2.0' AND UP TO 5.3' IN HEIGHT MAINTAINING THE CONSTANT 8' CATCH POINT DISTANCE.  
 USE 1/2:1 SLOPE FOR CUTS AND FILLS OVER 5.3' IN HEIGHT.
- FOR THE 20' CATCH POINT CONTROL DISTANCE:  
 USE 4:1 SLOPE FOR CUTS AND FILLS UP TO 5.0' IN HEIGHT.  
 USE VARIABLE SLOPES FOR CUTS AND FILLS OVER 5.0' AND UP TO 13.3' IN HEIGHT MAINTAINING THE CONSTANT 20' CATCH POINT DISTANCE.  
 USE 1/2:1 SLOPE FOR CUTS AND FILLS OVER 13.3' IN HEIGHT.
- CUT AND FILL SLOPES IN DIFFICULT TERRAIN MAY REQUIRE SPECIAL CONSIDERATION.
- SLOPE ROUNDING SHALL CONSIST OF ONE OR MORE CHORDS OR ROUNDED SURFACE. THE DEPTH AND WIDTH OF SLOPE ROUNDING SHALL BE AS DIRECTED.
- ROLL OVER WILL NOT BE USED UNLESS NOTED ON THE PLANS.
- ALL SLOPES SHALL BE CHECKED TO DETERMINE IF THERE IS A GUARDRAIL WARRANT BASED ON SLOPE HEIGHT AND STEEPNESS.
- WHEN USING GUARDRAIL, WIDEN SHOULDER AS SHOWN ON THE APPROPRIATE ITD GUARDRAIL STANDARD DRAWING.
- DRAWING NOT TO SCALE.



REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-65		6	03-90	GB	11	07-05	MSM
2	10-66		7	04-93	MSM	12	07-09	GAM
3	02-69		8	02-97	MSM	13	05-15	PJF
4	02-83		9	02-00	MSM			
5	03-87		10	07-03	MSM			

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME: a4\_0515.dgn  
 DRAWING DATE: MAY, 1962

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**RURAL MAJOR COLLECTOR GRADING**

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

**English**

STANDARD DRAWING NO.  
**A-4**

SHEET 1 OF 1

ORIGINAL SIGNED BY:  
 DATE: TED E. MASDN  
 MAY 28, 2015