

- NOTES**
- REFER TO STANDARD DRAWINGS G-1-A-1 THROUGH G-1-A-4 FOR INSTALLATION DETAILS, DETAILS OF GUARDRAIL ACCESSORIES & HARDWARE.
 - CARRY THE GUARDRAIL AT THE INITIAL TAPER (a:b) UNTIL THE DITCH IS TRAVERSED, THEN COMMENCE WITH THE SECONDARY TAPERS (8:1, 6:1, & 4:1) FOR 37'-6\".
 - MAINTAIN THE CENTER OF THE TOP RAIL, ALONG THE FACE OF RAIL, AT A HEIGHT OF 1'-11\" FROM A POINT 2'-0\" OUTSIDE OF THE NORMAL SHOULDER (THE SAME HEIGHT AS THE TRAILING "STANDARD GUARDRAIL") THROUGH THE INITIAL TAPER (SEE NOTE NO. 5). AT THE COMMENCEMENT OF THE SECONDARY TAPER (8:1) BEGIN TO LOWER THE RAIL SO THAT THE CONCRETE BLOCK WILL HAVE A MINIMUM SOIL COVER OF 1'.
 - THE HEIGHT OF THE RUBRAIL, AT THE RUBRAIL CENTER, ALONG THE FACE OF THE RUBRAIL, SHALL NOT EXCEED 2'-0\" (+/-) 1/2\" FROM THE ROADWAY FORESLOPE (SEE SECTION D-D) AT ANY POINT ALONG THE TERMINAL.
 - WHILE MAINTAINING THE HEIGHT OF THE GUARDRAIL AT 1'-11\", DO NOT EXCEED THE 2'-0\" (+/-) 1/2\" HEIGHT OF THE RUBRAIL ABOVE THE ROADWAY FORESLOPE. NOT EXCEEDING THE MAXIMUM HEIGHT OF THE RUBRAIL SHALL TAKE PRECEDENCE OVER THE GUARDRAIL HEIGHT OF 1'-11\"; THEREFORE, THE GUARDRAIL SHALL BE LOWERED BELOW THE 1'-11\" TO NOT EXCEED THE MAXIMUM 2'-0\" (+/-) 1/2\" RUBRAIL HEIGHT.
 - THE SLOPE OF THE SURFACE BETWEEN THE ROADWAY SHOULDER LINE AND THE HINGE SHALL BE TRANSITIONED FROM THE ADJACENT ROADWAY SLOPE TO A 6:1 OR FLATTER SLOPE.
 - A SIDE DRAIN MUST BE INSTALLED WHERE A DITCH CANNOT BE GRADED TO DRAIN THROUGH THE TERMINAL OR HAS INADEQUATE CAPACITY. TO ACCOMMODATE A SIDE DRAIN PIPE THROUGH THE GUARDRAIL POSTS USE A BURIED FLEXIBLE PLASTIC PIPE OR 45° ELBOWS OF METAL OR CONCRETE PIPE.
 - THE CONCRETE END BLOCK MAY BE PRECAST OR CAST-IN-PLACE.
 - THE PAYMENT FOR METAL TERMINAL SECTION TYPE 2-B SHALL BE LIMITED TO THE CONCRETE END BLOCK, METAL W-BEAM RUBRAIL, TERMINAL END CONNECTOR, POST CONNECTION HARDWARE, AND ANY EXCAVATION AND/OR BACKFILL REQUIRED.
 - NOT TO SCALE.

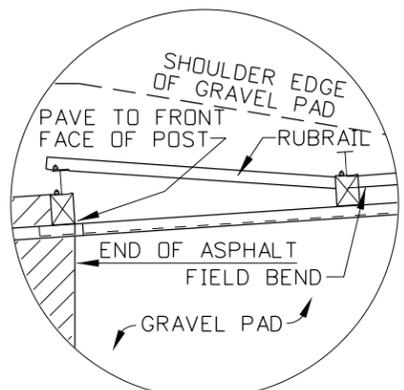
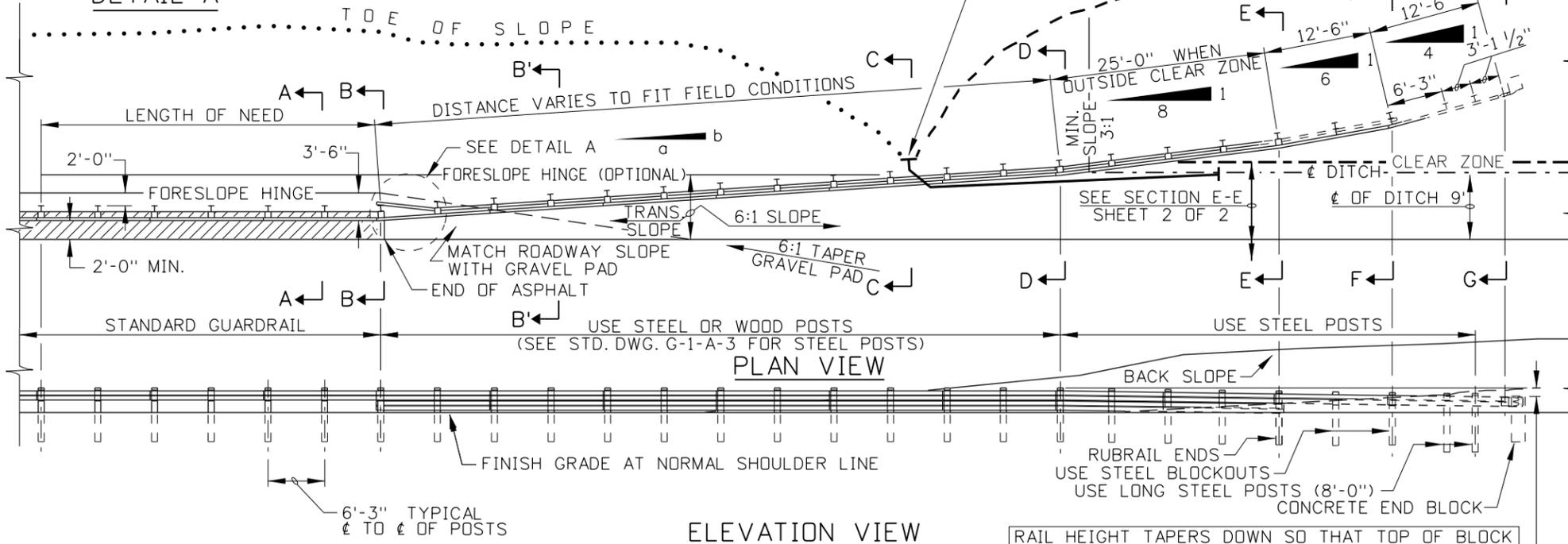


TABLE OF MAXIMUM TAPERS

DESIGN SPEED (mph)	TAPER a:b
75	16:1
70	15:1
65	14:1
60	13:1
55	12:1
50	11:1
45	10:1
40	9:1
≤35	8:1

WHEN UNDERGROUND DRAINAGE IS REQUIRED: USE PLASTIC PIPE OR 45° ELBOWS AROUND POSTS. RIP-RAP OUTLET IF NECESSARY



RAIL HEIGHT TAPERS DOWN SO THAT TOP OF BLOCK IS BURIED BELOW GROUND SURFACE - 1' MIN.

REVISIONS

NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	11-00	MSM	6	09-10	MGL			
2	06-01	MSM						
3	11-03	MSM						
4	09-04	MSM						
5	04-06	MSM						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: g1c2_1210.dgn
DRAWING DATE: FEBRUARY, 1996

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

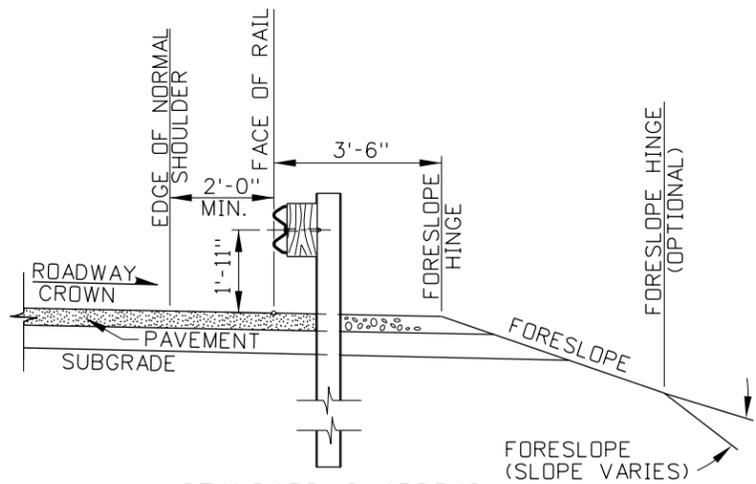
ORIGINAL SIGNED BY: LOREN THOMAS
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)
ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING
GUARDRAIL TERMINAL TYPE 2-B, FOR LESS THAN 10:1 TO 6:1 FORESLOPE
REQUIRES SHEET 2 OF 2 & STD. DWGS. G-1-A-1 THRU G-1-A-4

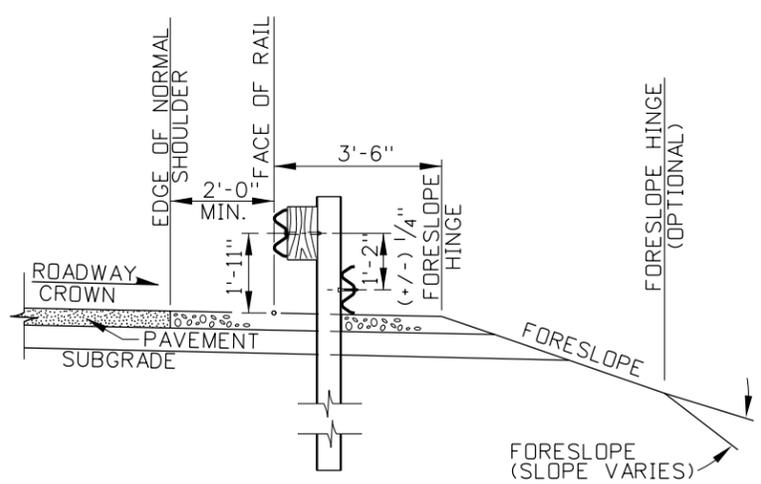
English
STANDARD DRAWING NO.
G-1-C-2
SHEET 1 OF 2

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

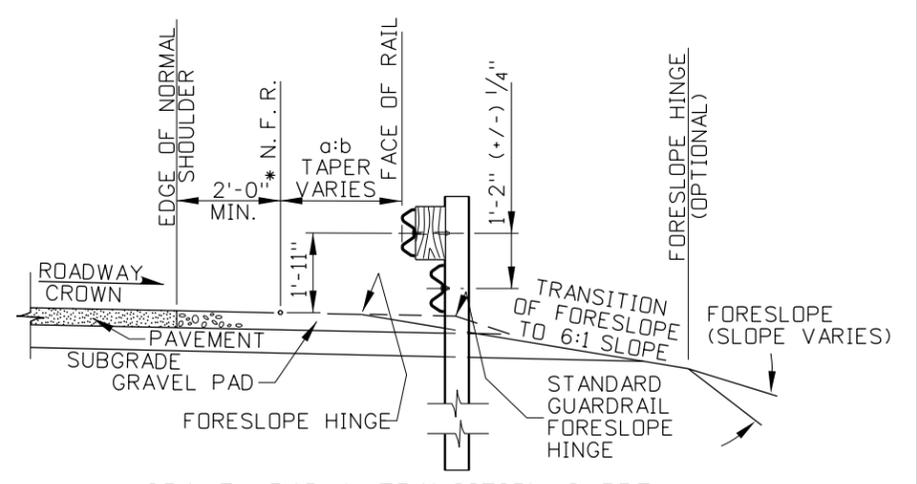
ORIGINAL SIGNED BY:
DATE: TED E. MASDN
DECEMBER 6, 2010



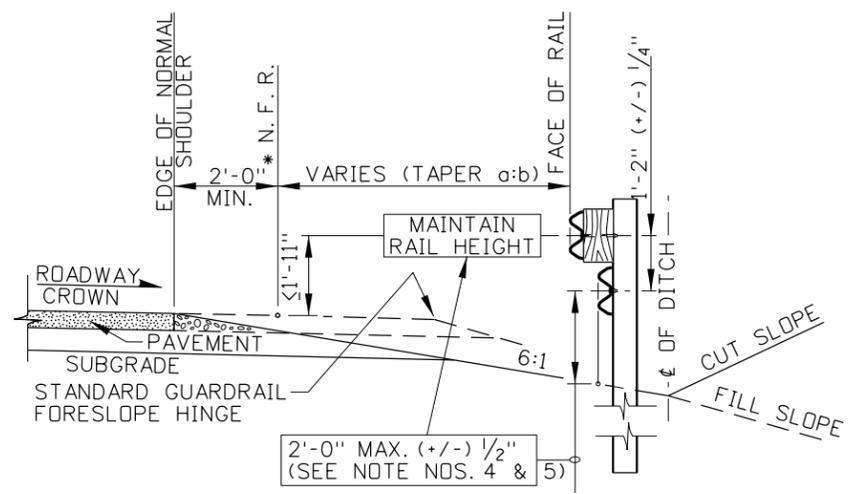
STANDARD GUARDRAIL
SECTION A-A



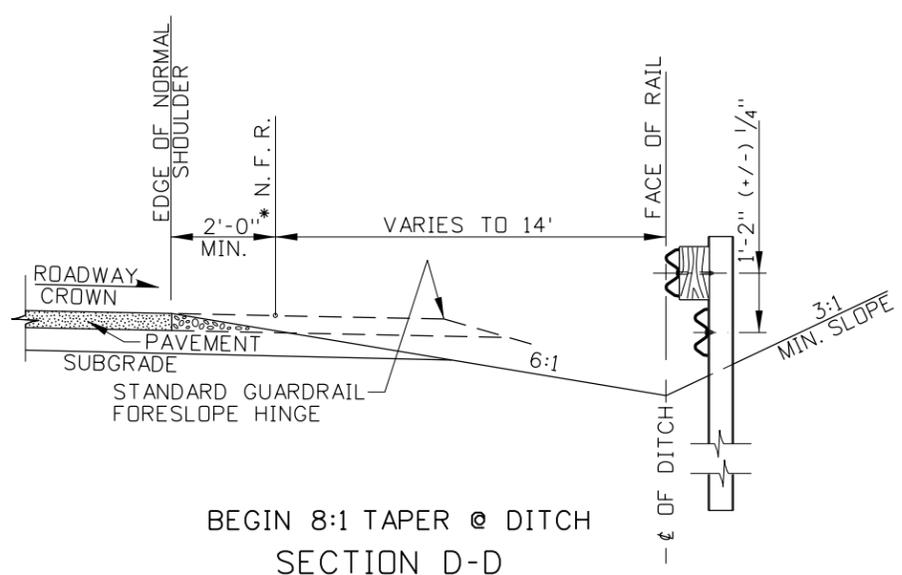
BEGIN RUBRAIL & INITIAL TAPER (a:b)
SECTION B-B



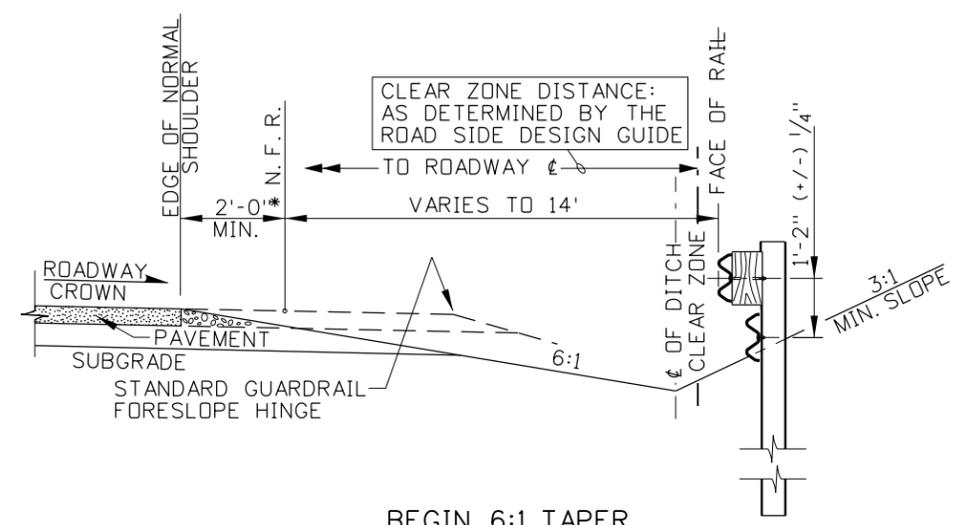
GRAVEL PAD & TRANSITION SLOPE
SECTION B'-B'



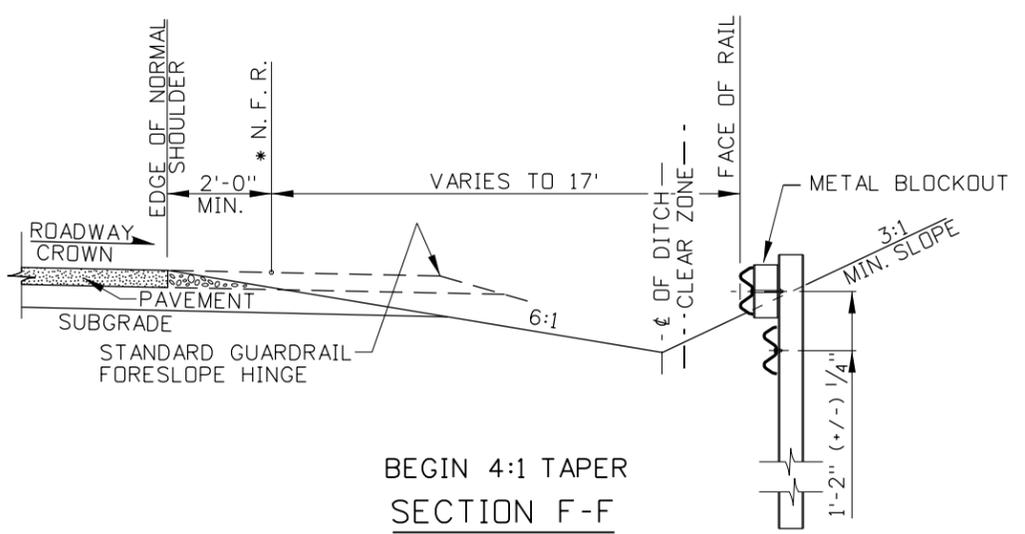
END OF FILL SLOPE/BEGINNING OF CUT SLOPE
SECTION C-C



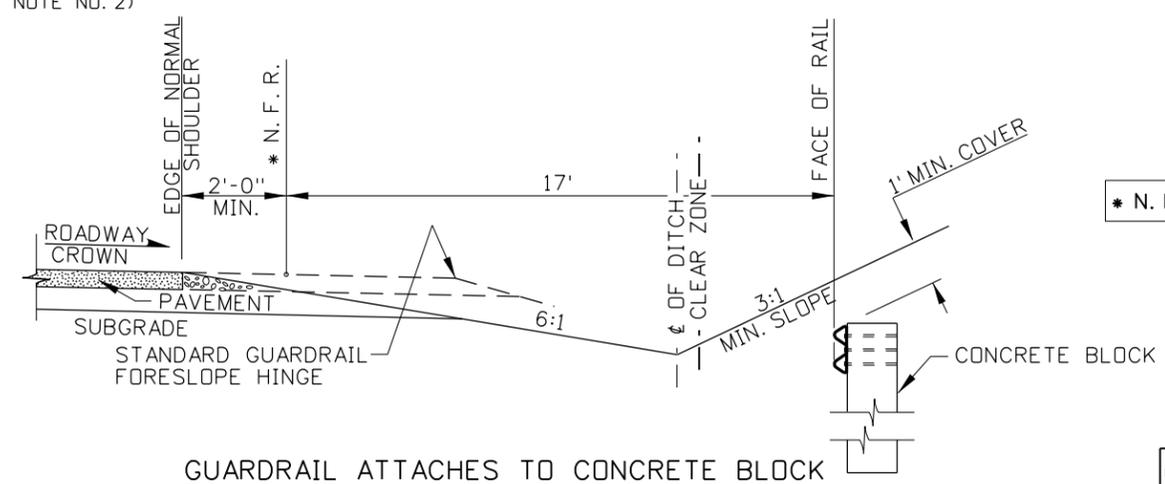
BEGIN 8:1 TAPER @ DITCH
SECTION D-D
(SEE NOTE NO. 2)



BEGIN 6:1 TAPER
SECTION E-E



BEGIN 4:1 TAPER
SECTION F-F



GUARDRAIL ATTACHES TO CONCRETE BLOCK
SECTION G-G

* N. F. R. (NORMAL FACE OF RAIL)

REVISIONS							
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English
STANDARD DRAWING NO.
G-1-C-2
SHEET 2 OF 2

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

ORIGINAL SIGNED BY:
DATE: ORIGINAL SIGNED: DECEMBER 6, 2010