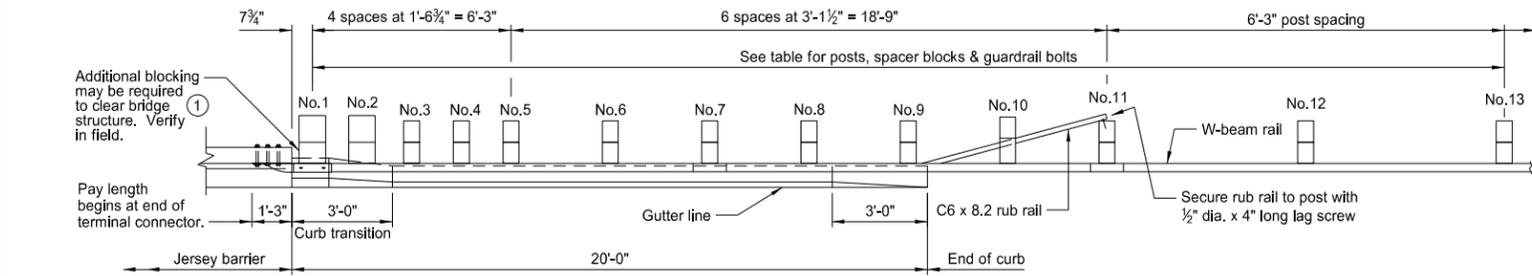
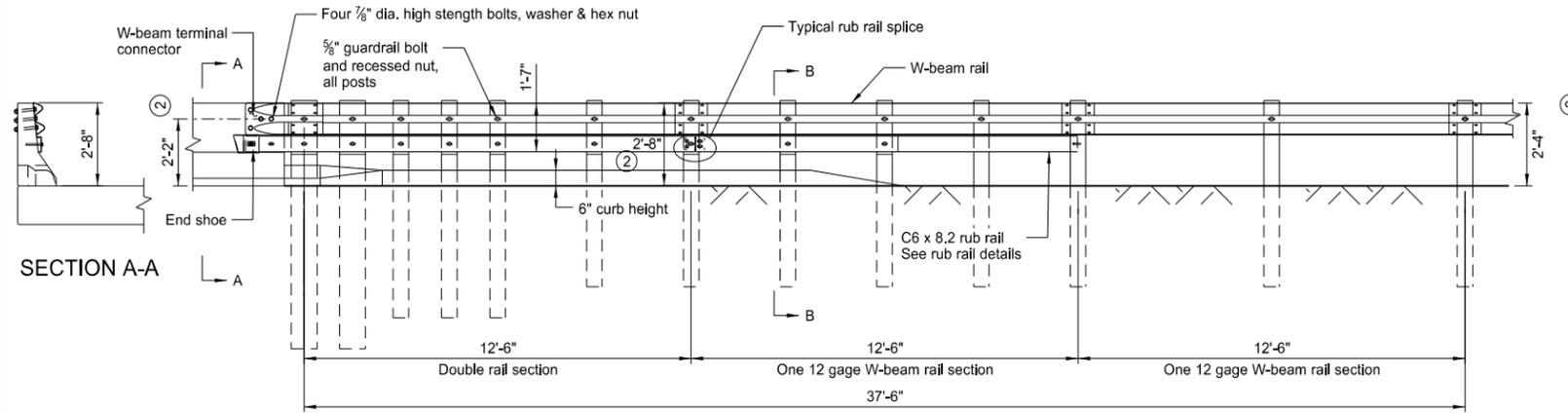


W-BEAM TRANSITION TO CONCRETE JERSEY BARRIER WITH APPROACH CURB

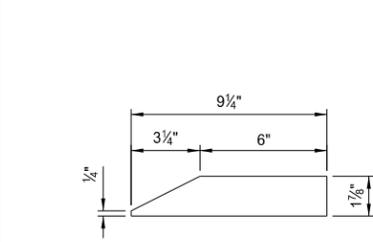
D-764-9



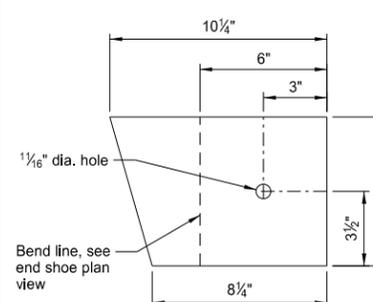
PLAN



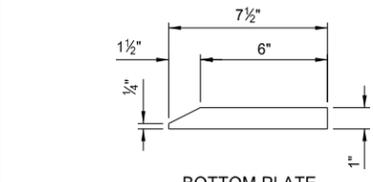
ELEVATION
GENERAL ASSEMBLY DETAILS



TOP PLATE

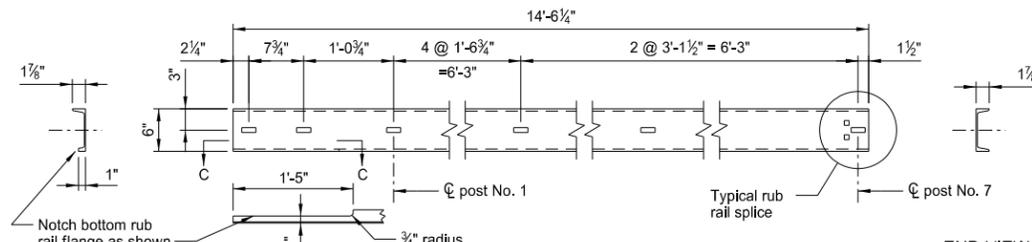


FRONT PLATE



BOTTOM PLATE

END SHOE PLATE DETAILS
(1/4" plate)

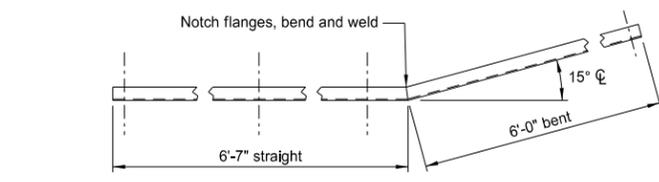


END VIEW

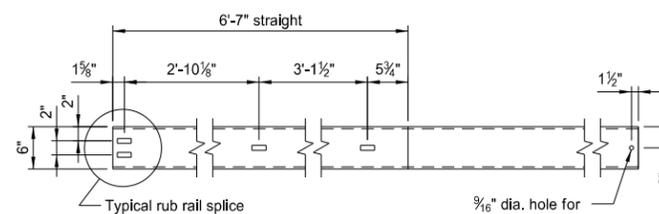
SECTION C-C

ELEVATION

RUB RAIL STRAIGHT SECTION

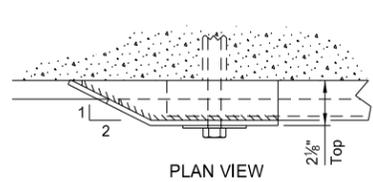


PLAN VIEW

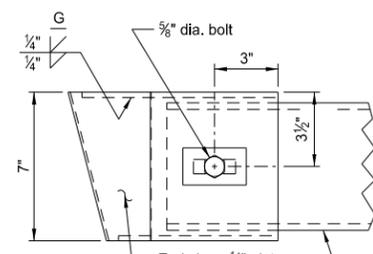


ELEVATION

RUB RAIL BENT SECTION

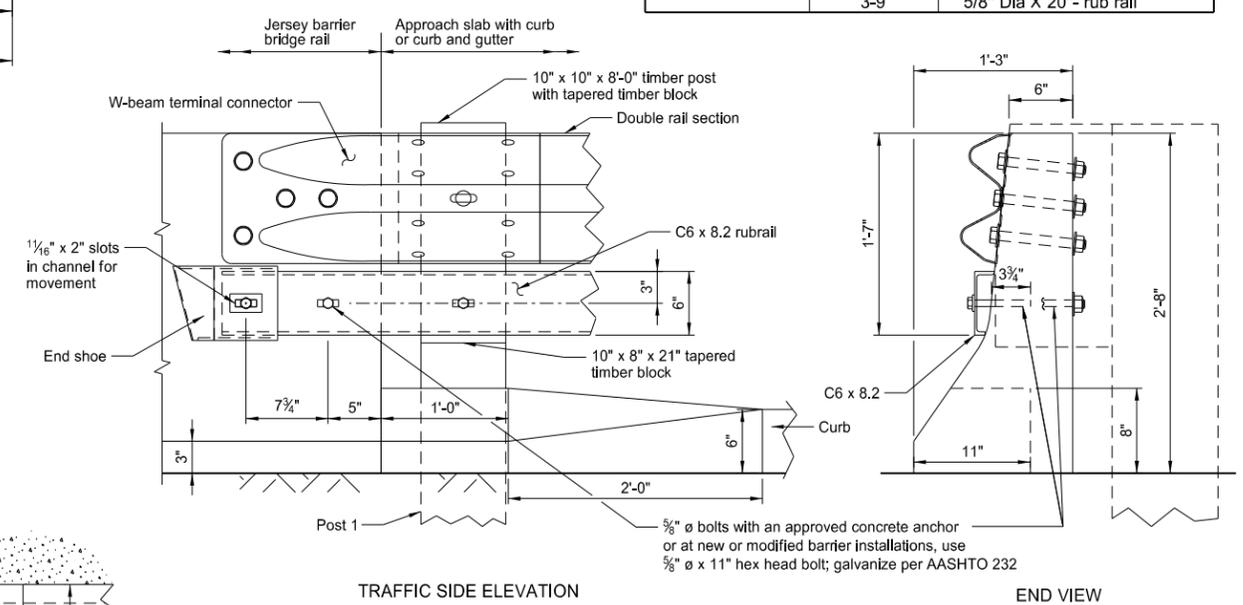


PLAN VIEW



ELEVATION

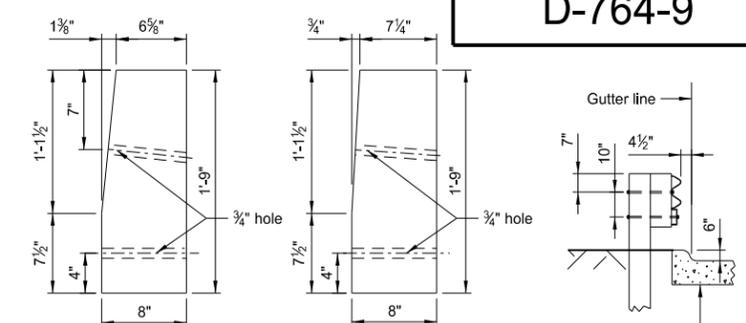
RUB RAIL END SHOE ASSEMBLY



TRAFFIC SIDE ELEVATION

RAIL ATTACHMENT AND CURB DETAIL

END VIEW



END VIEW

END VIEW

SECTION B-B

TAPERED TIMBER BLOCK DETAILS

POST, TIMBER BLOCK & BOLT TABLE		
DESCRIPTION	POST NO.	SIZE
Post	1 & 2	10" X 10" X 8'-0" min long
	3-5	6" X 8" X 7'-0" min long
	6-13	6" X 8" X 6'-0" min long
Spacer block	1-2	10" X 8" X 21" tapered block
	3-9	6" X 8" X 21"
	10	6" X 9 3/4" X 14"
	11-13	6" X 8" X 14"
	Guardrail bolt & recessed nut	1 & 2
	3-9	5/8" Dia X 18" - guardrail
	1-2	5/8" Dia X 22" - rub rail
	3-9	5/8" Dia X 20" - rub rail

- ① Additional blocking may be required at post No.1.
- ② Height is 2'-8" from 0' to 12'-6" from bridge. Height tapers from 2'-8" to 2'-4" between 12'-6" to 37'-6" from bridge.

NOTES:
 C6 x 8.2 rub rail and structural steel shall be AASHTO 270M Grade 250, and shall be galvanized after fabrication in accordance with AASHTO M111.
 All slotted holes are 1 1/16" x 2".
 All square holes are 1 1/16".
 Galvanize all hardware in accordance with AASHTO M232.
 All posts and blocks for the W-beam guardrail shall be timber.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
10-11-13	
REVISIONS	
DATE	CHANGE

This document was originally issued and sealed by
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