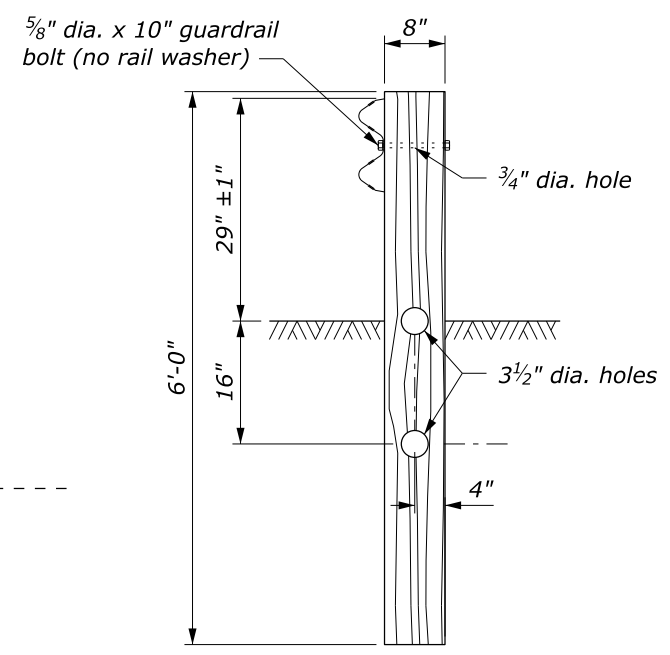
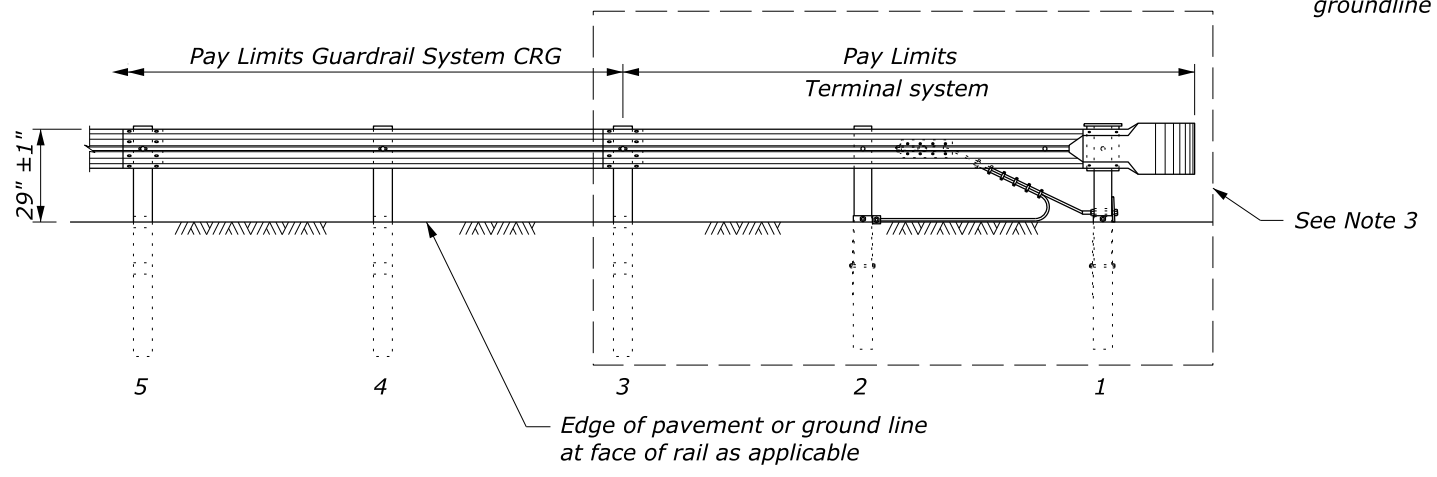
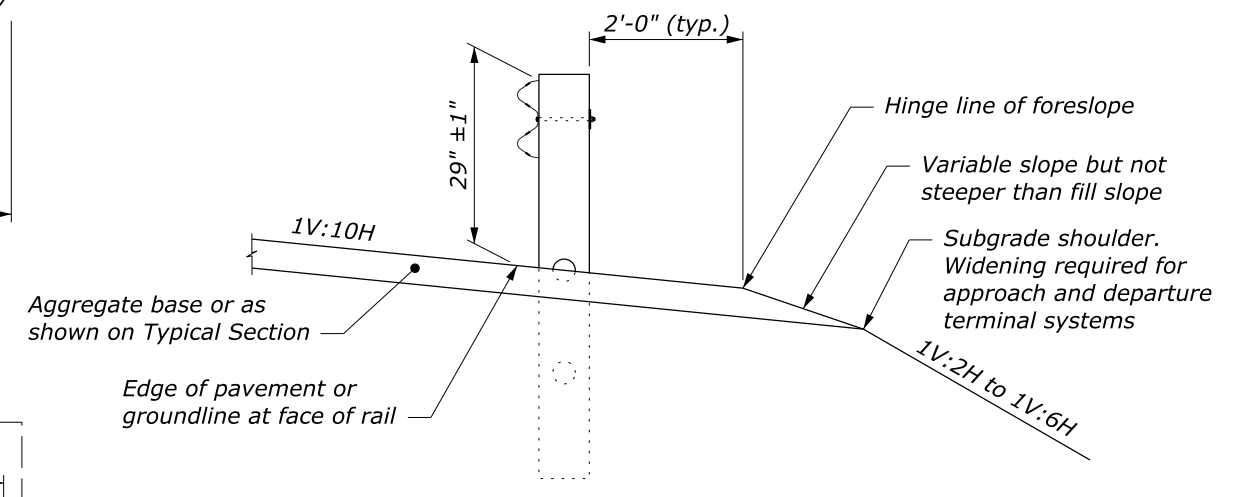


RADIUS	ANGLE	NUMBER OF CRT POSTS (See Note 1)	NUMBER OF POSTS ALONG CURVATURE BETWEEN PC AND PT	AREA FREE OF FIXED OBJECTS (ft)	
				L	W
8'-6"	75°-90°	5	1	25	15
	90°-105°	5	2		
17'-0"	75°-90°	6	3	30	15
	90°-105°	7	4		
25'-6"	75°	7	5	40	20
	90°	8	6		
	105°	9	7		
35'-0"	75°	9	7	50	20
	90°	11	8		
	105°	12	9		



- NOTE:**
1. CRT posts include those posts between the terminal and PT, plus the post with blockout at Post #7.
 2. Do not use this layout when speeds are in excess of 45 mph.
 3. See Standard 617-22 for terminal system shown. The use of the Type CRT terminal is limited to driveways, service roads, and low speed minor road approaches. Use the appropriate TL-2 or TL-3 terminal on all other roadway approaches.
 4. If the CRG will be connected to transition rail at Post 8, add a standard post and blockout midway between Posts 7 and 8.
 5. Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance, and accepted manufacturing practices.



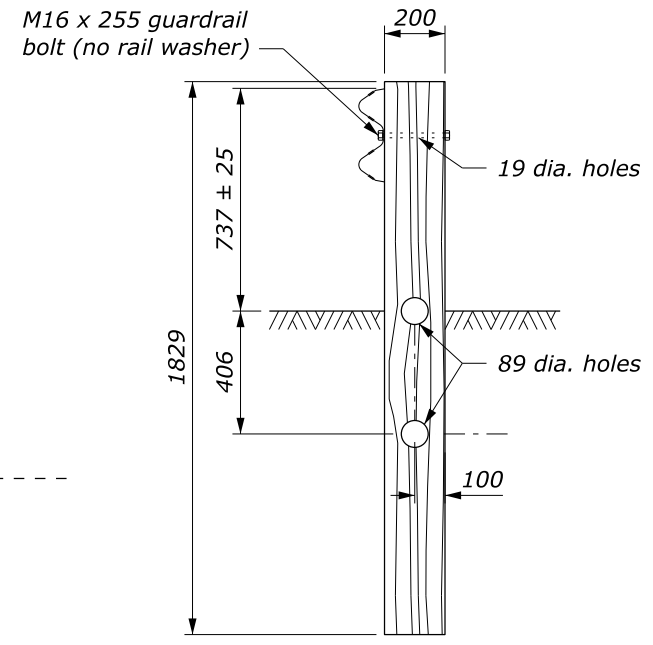
GUARDRAIL SYSTEM CRG WITH CRT POSTS

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD 617-21
CRG W-BEAM GUARDRAIL WOOD POSTS	SPECIFICATION FP-24
	APPROVED FOR USE 1/2024

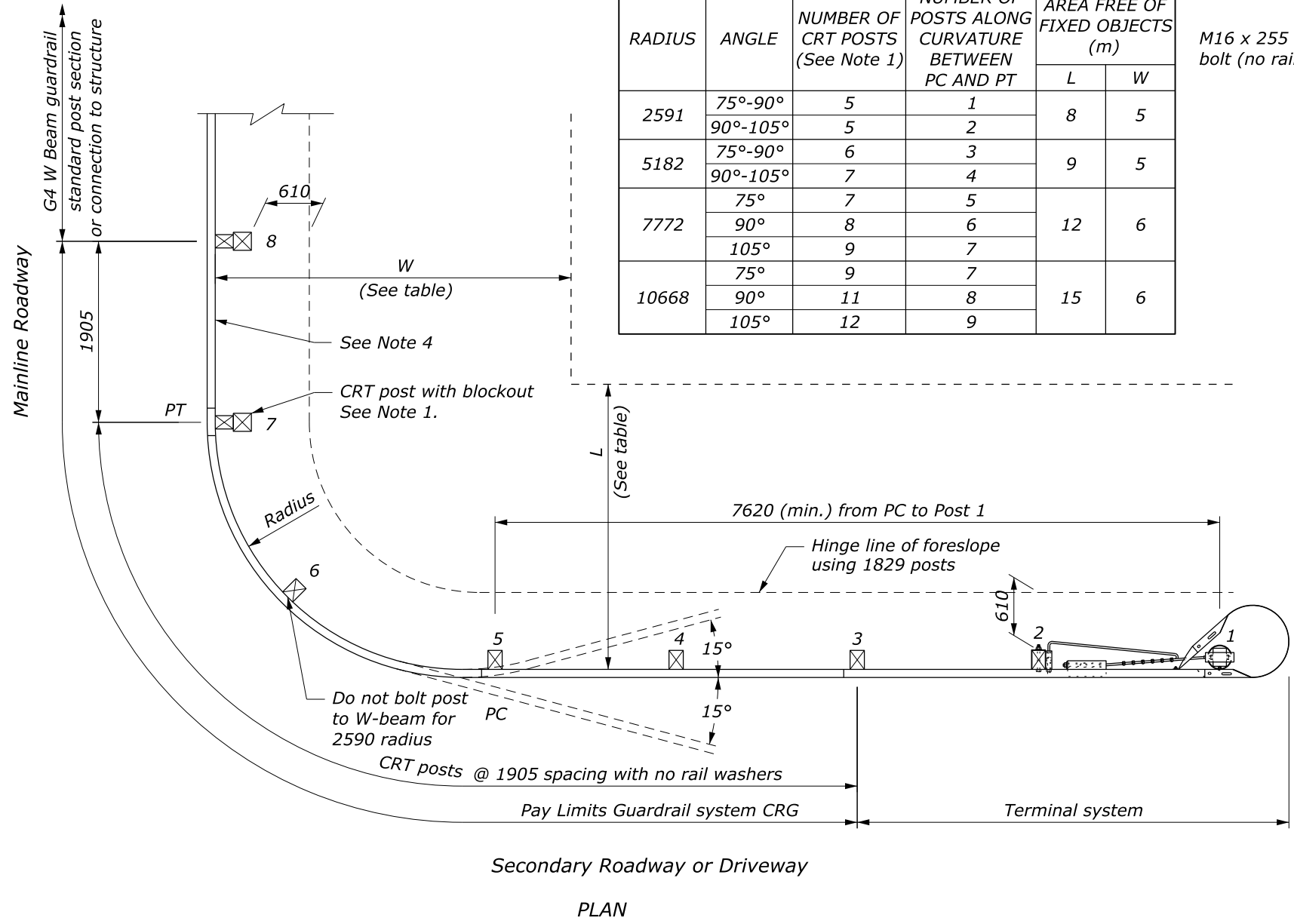
11 July 2024 11:08 AM c:\pwwork\00419223\Std617-21.dgn [Std 617-21]

RADIUS	ANGLE	NUMBER OF CRT POSTS (See Note 1)	NUMBER OF POSTS ALONG CURVATURE BETWEEN PC AND PT	AREA FREE OF FIXED OBJECTS (m)	
				L	W
2591	75°-90°	5	1	8	5
	90°-105°	5	2		
5182	75°-90°	6	3	9	5
	90°-105°	7	4		
7772	75°	7	5	12	6
	90°	8	6		
	105°	9	7		
10668	75°	9	7	15	6
	90°	11	8		
	105°	12	9		

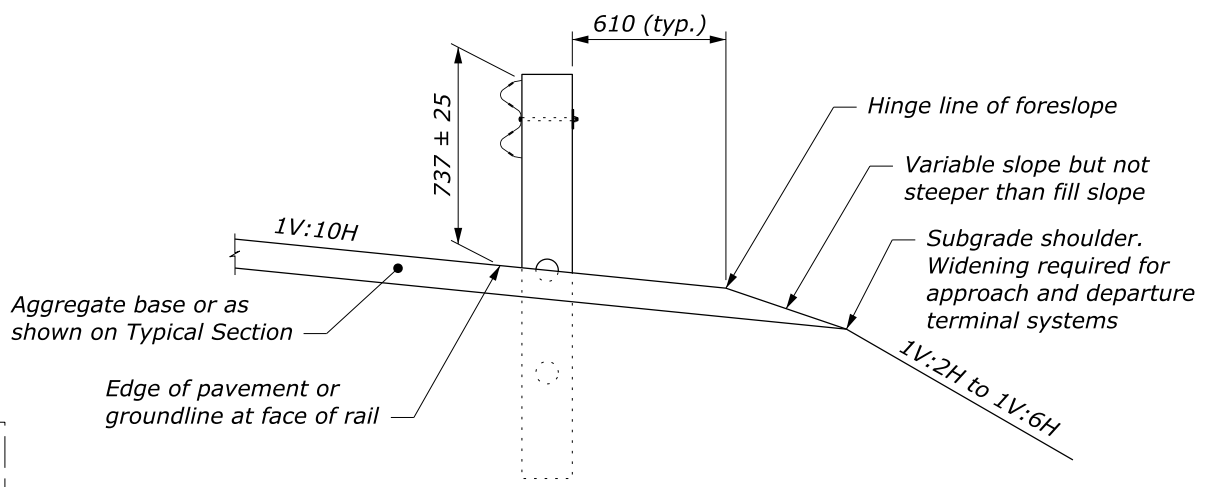


CRT POST DETAIL
POSTS #3 - #7
See Note 1

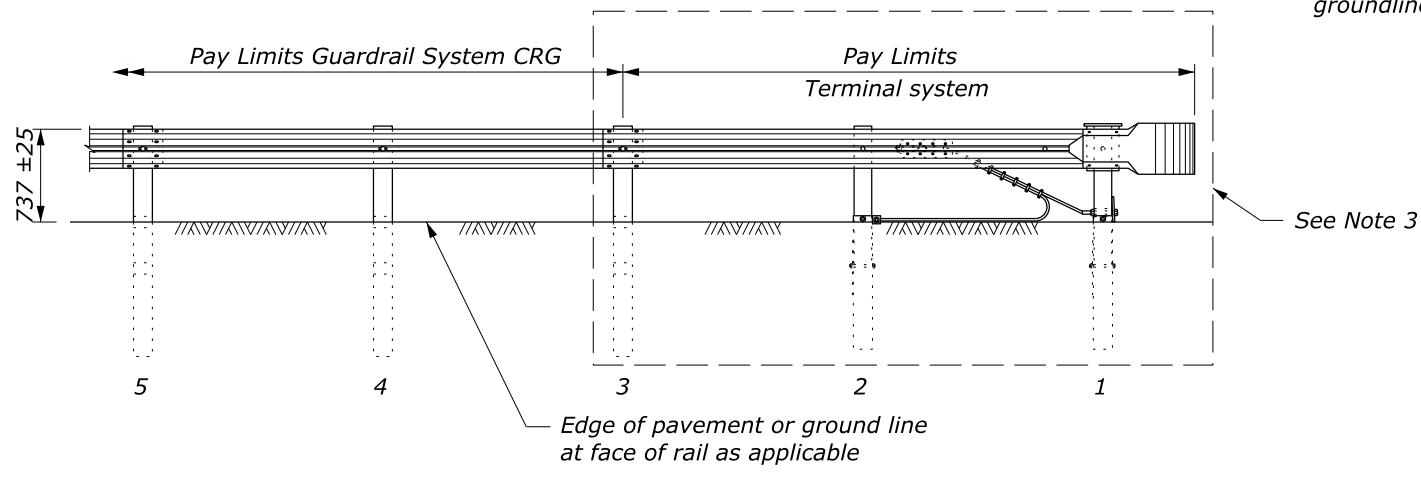
- NOTE:**
- CRT posts include those posts between the terminal and PT, plus the post with blockout at Post #7.
 - Do not use this layout when speeds are in excess of 72 km/h.
 - See Standard M617-22 for terminal system shown. The use of the Type CRT terminal is limited to driveways, service roads, and low speed minor road approaches. Use the appropriate TL-2 or TL-3 terminal on all other roadway approaches.
 - If the CRG will be connected to transition rail at Post PT, add a standard post and blockout midway between Posts 7 and 8.
 - Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance, and accepted manufacturing practices.



PLAN



TYPICAL GUARDRAIL CROSS SECTION



GUARDRAIL SYSTEM CRG WITH CRT POSTS

This drawing contains **Metric** units of measure. Dimensions without units are millimeters.

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD M617-21
CRG W-BEAM GUARDRAIL WOOD POSTS	SPECIFICATION FP-24
	APPROVED FOR USE 1/2024

NO SCALE

c:\pwwork\0419223\Std617-21.dgn [Std M617-21] 1.1 July 2024 10:56 AM