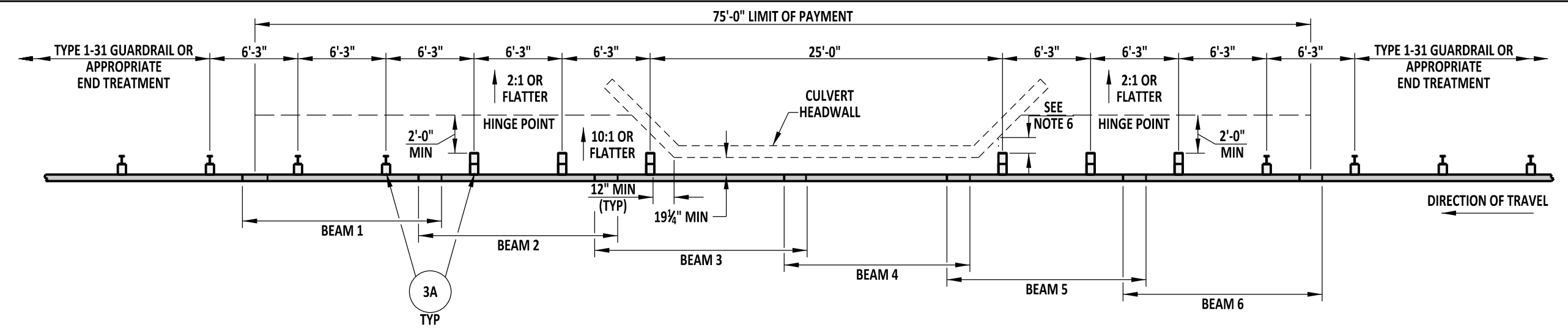
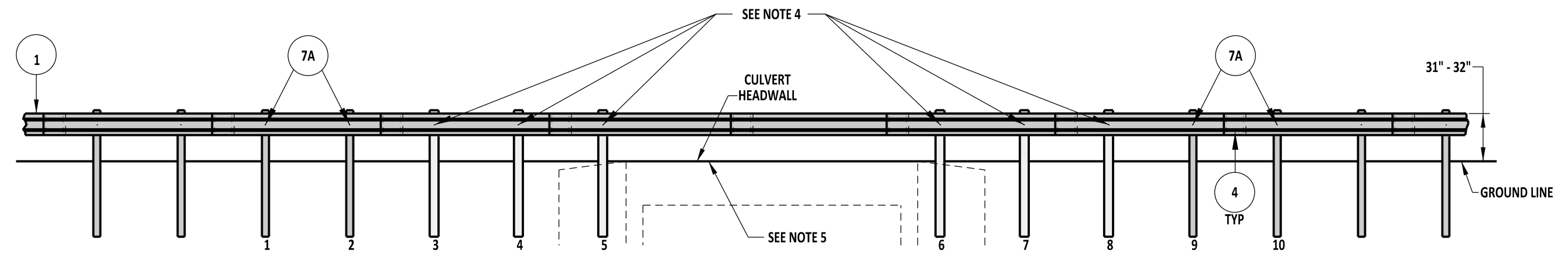


SCALE : NTS



PLAN



ELEVATION

- NOTES:**
- 1). ALL W-BEAMS ARE 13'-6 1/2" IN LENGTH.
 - 2). PLACE GUARDRAIL DELINEATORS AT THE INTERVALS SPECIFIED IN THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - 3). POSTS 1, 2, 9, & 10 ARE TO BE W6x9 STEEL POSTS. POSTS 3 THROUGH 8 ARE TO BE TYPE 31 LONG, WOOD BREAKAWAY POSTS.
 - 4). THE RAIL SHALL BE ATTACHED AT POSTS 3 THROUGH 8 WITH A 5/8" x 22" GUARDRAIL BOLT, STEEL WASHER, AND RECESS NUT.
 - 5). CULVERT HEADWALL SHALL NOT EXTEND MORE THAN 2" ABOVE GRADE.
 - 6). THERE SHALL BE A MINIMUM OF 8" FROM THE BACK OF POST TO THE CULVERT WINGWALLS.



DELAWARE
DEPARTMENT OF TRANSPORTATION

GUARDRAIL OVER CULVERTS, TYPE 3-31			
STANDARD NO.	B-3 (2013)	SHT.	3 OF 3

APPROVED	SIGNATURE ON FILE	02/14/2014
	<small>CHIEF ENGINEER</small>	<small>DATE</small>
RECOMMENDED	SIGNATURE ON FILE	01/14/2014
	<small>DESIGN ENGINEER</small>	<small>DATE</small>