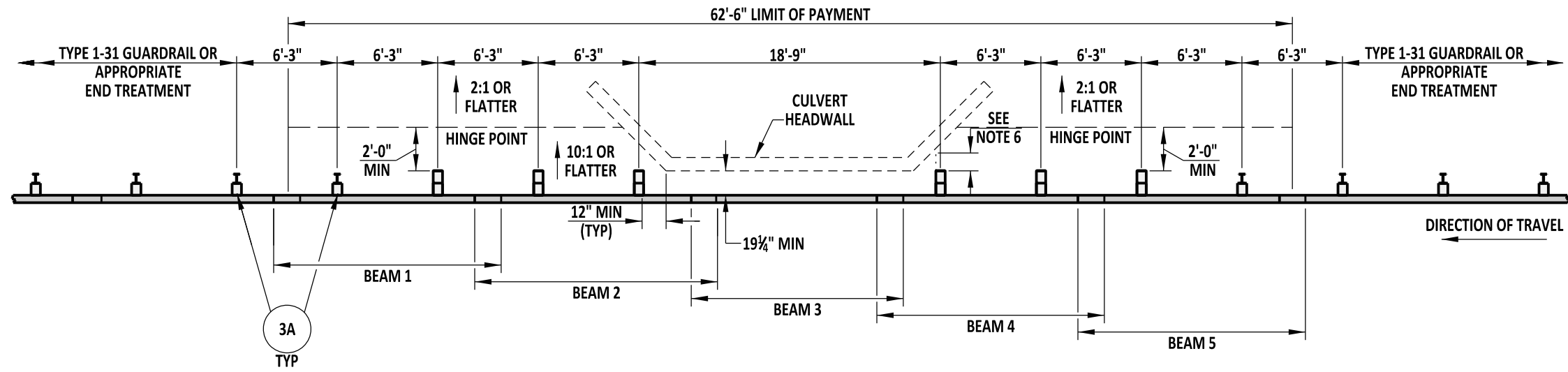
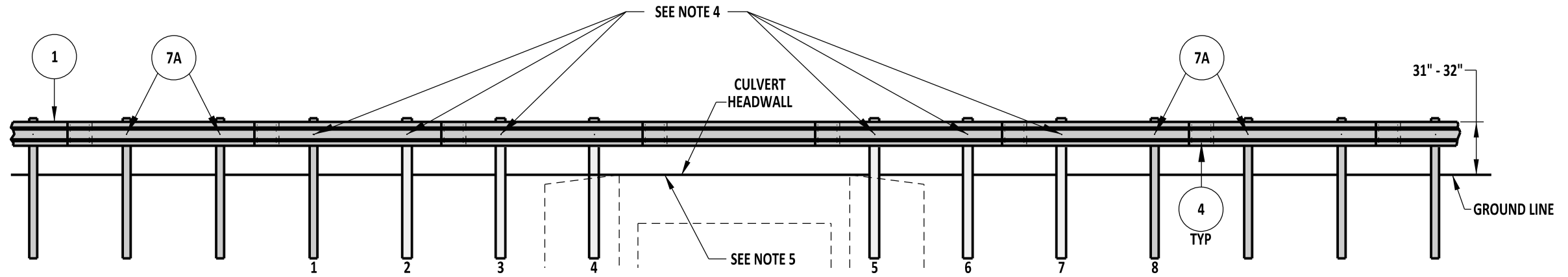


SCALE : NTS



**PLAN**



**ELEVATION**

**NOTES:**

- 1). ALL W-BEAMS ARE 13'-6½" IN LENGTH.
- 2). PLACE GUARDRAIL DELINEATORS AT THE INTERVALS SPECIFIED IN THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 3). POSTS 1 & 8 ARE TO BE W6x9 STEEL POSTS. POSTS 2 THROUGH 6 ARE TO BE TYPE 31 LONG, WOOD BREAKAWAY POSTS.
- 4). THE RAIL SHALL BE ATTACHED AT POSTS 2 THROUGH 7 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 WINGWALL.



**DELAWARE**  
**DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL OVER CULVERTS, TYPE 2-31**

STANDARD NO. B-3 (2013) SHT. 2 OF 3

**APPROVED**

SIGNATURE ON FILE  
CHIEF ENGINEER

02/14/2014  
DATE

**RECOMMENDED**

SIGNATURE ON FILE  
DESIGN ENGINEER

01/14/2014  
DATE