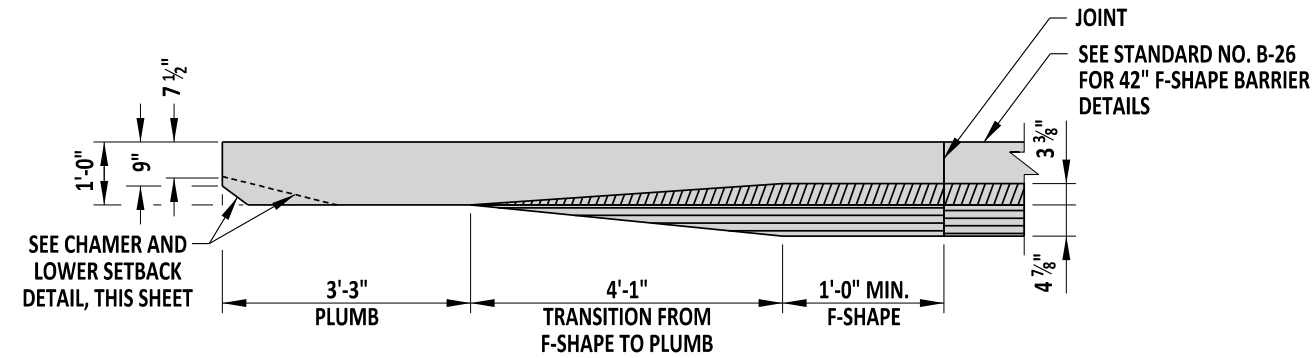
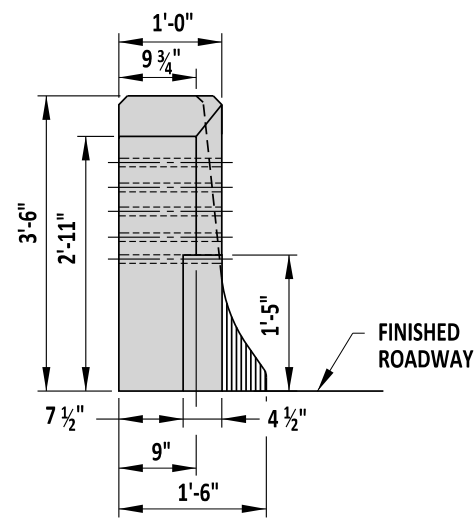


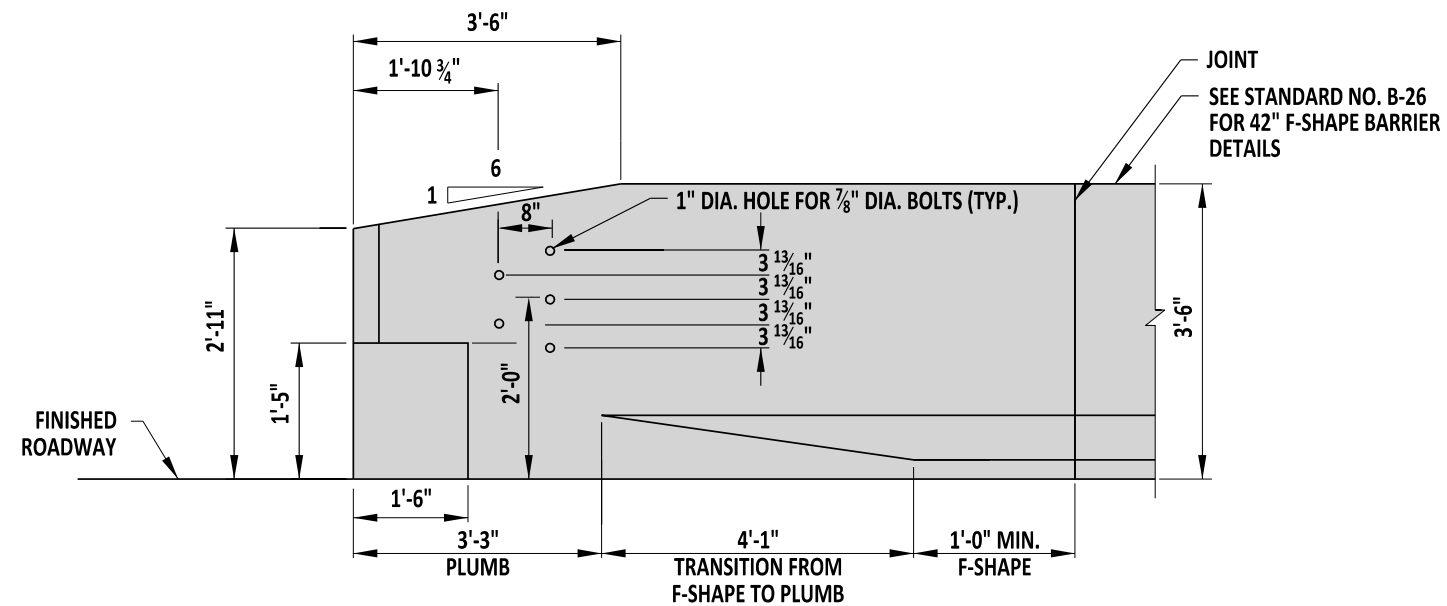
**CHAMFER AND LOWER SETBACK DETAIL**



**PLAN**



**END VIEW**



**ELEVATION**

- NOTES:**
- 1). THRIE-BEAM GUARDRAIL NOT SHOWN. SEE STANDARD NO. B-10 FOR MORE INFORMATION ON THRIE-BEAM CONNECTION.
  - 2). FOUNDATION NOT SHOWN. BUTTRESS SHALL BE CONSTRUCTED ON A FOOTING THAT MATCHES THE ADJACENT CONCRETE BARRIER FOOTING.
  - 3). CHAMFER ALL EXPOSED EDGES  $\frac{3}{4}$ " x  $\frac{3}{4}$ ", UNLESS NOTED OTHERWISE.
  - 4). SEE SHEET 6 FOR BUTTRESS REINFORCEMENT DETAILS.

**DESIGNER NOTES:**

- 1). FOR BUTTRESS APPLICATIONS AT BRIDGE APPROACHES, BRIDGE DESIGNER SHALL MATCH GEOMETRY SHOWN ON THIS DETAIL FOR THRIE-BEAM ATTACHMENT. LENGTH SHOWN HERE IS MINIMUM LENGTH FOR THRIE-BEAM ATTACHMENT. BRIDGE DESIGNER IS RESPONSIBLE FOR REINFORCEMENT DESIGN AND CONNECTION TO WINGWALL OR SLEEPER SLAB.

TL-4



  
 ENGINEERING SUPPORT      DATE 09/01/2020  
**RECOMMENDED**

**THRIE-BEAM AGT TO CONCRETE BUTTRESS - 42" F-SHAPE TRANSITION**  
 STANDARD NO.      B-11 (2020)      SHT.      5      OF      8

REVIEWED        
 DEPUTY DIRECTOR - DESIGN      DATE 09/01/2020  
 APPROVED        
 CHIEF ENGINEER      DATE 09/01/2020