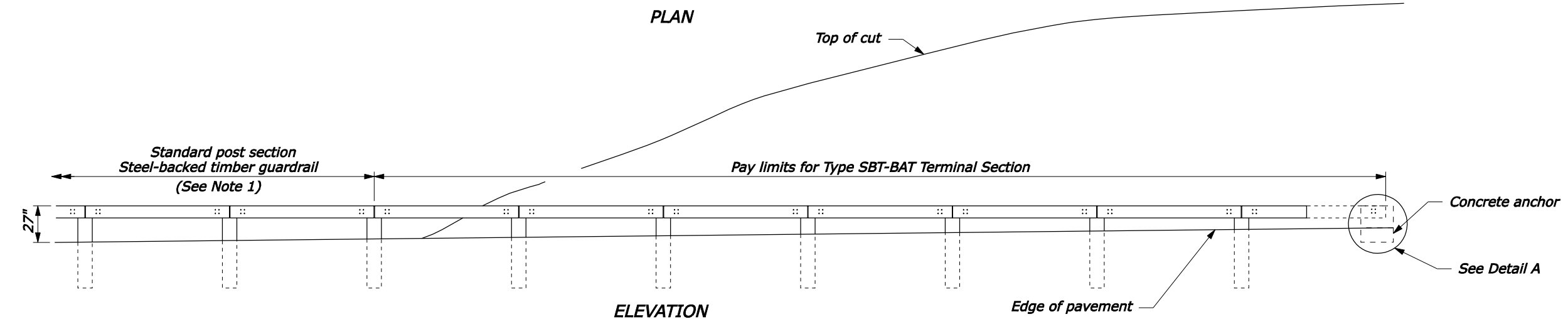
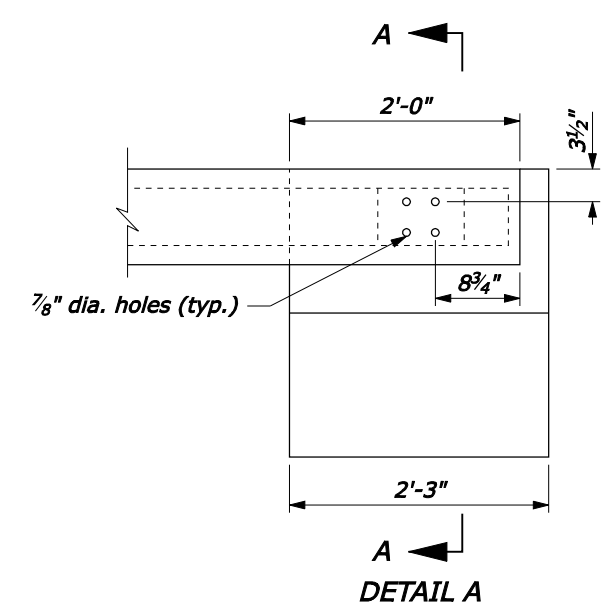


- NOTE:**
1. See Standard 617-60, SBTA and SBTB for timber, structural steel, and hardware details.
  2. On the Type A, blocked-out guardrail, include the blocks in the terminal section, except on the concrete anchor. For the Type B, non-blocked-out guardrail, no blocks are included.
  3. Begin the cut flares at the nearest post to a transition point between fill and cut as directed by the CO.
  4. Extend the flare into the cut until a minimum 1-foot cover is obtained over the guardrail end.

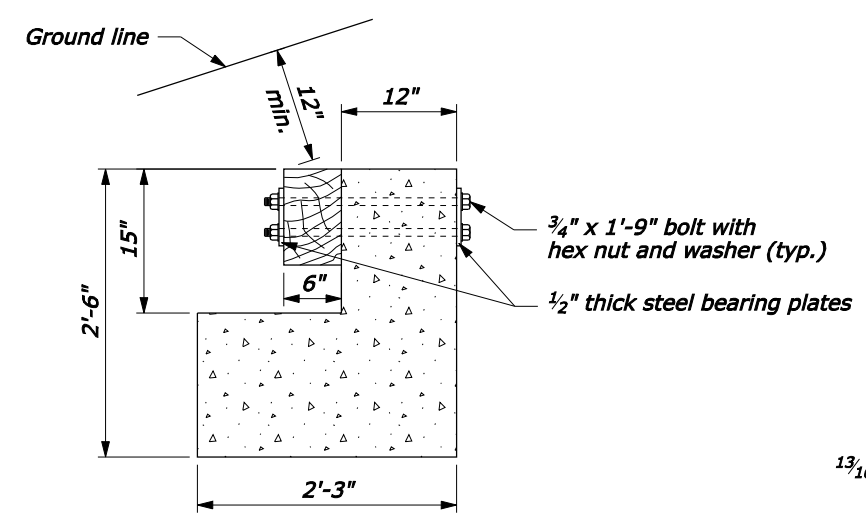


**APPROACH & DEPARTURE FLARE WITH BACK SLOPE ANCHOR TERMINAL (BAT)**

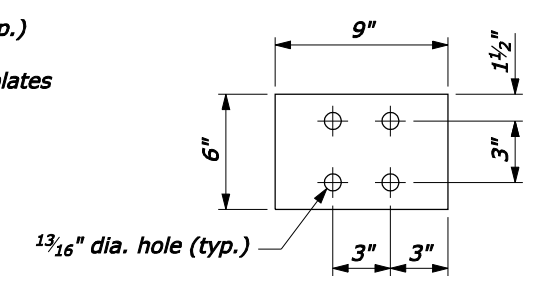
Design Speed (mph)	Shy line offset (ft)	Flare rate inside shy line (a:b)	Flare rate outside shy line (a:b)
60	8.0	26:1	14:1
50	6.5	21:1	11:1
40	5.0	16:1	8:1
30 and less	3.5	13:1	7:1



**CONCRETE ANCHOR**



**SECTION A-A**



**STEEL BEARING PLATE**

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 FEDERAL LANDS HIGHWAY

**U.S. CUSTOMARY STANDARD  
 STEEL-BACKED TIMBER GUARDRAIL  
 TERMINAL SECTION  
 TYPE SBT-BAT**

STANDARD APPROVED FOR USE 3/1990	STANDARD
REVISED: 4/1994 6/2005	617-62

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