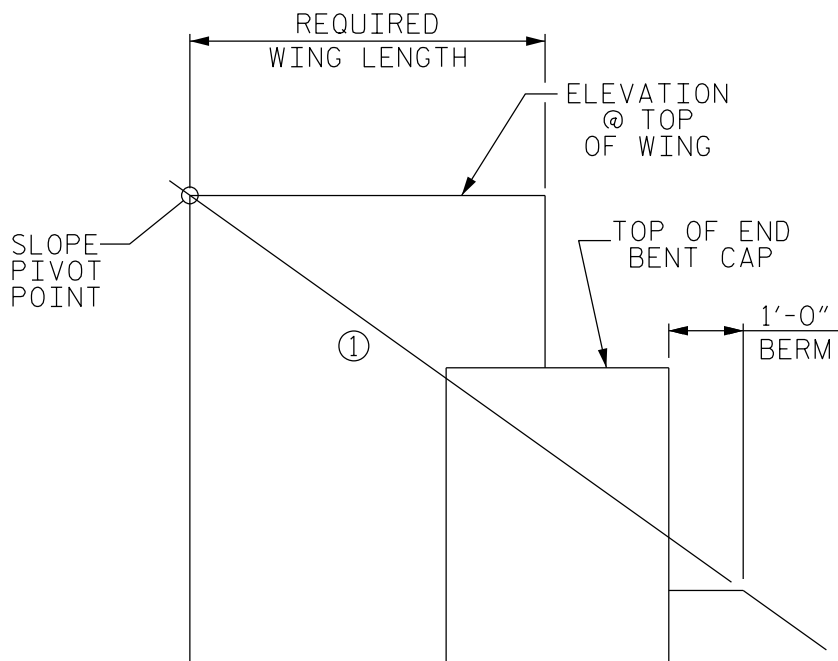


FOR BOTH SIDES OF THE END BENT CAP FOR 90° SKEWS, AND FOR THE ACUTE CORNER SIDE OF SKEWED BRIDGES, USE THE FOLLOWING TO DETERMINE THE LOCATION OF THE SLOPE PIVOT POINT(S):

- A) CALCULATE THE SLOPE PIVOT POINT ELEVATION. THIS ELEVATION WILL ALSO BE THE TOP OF WING ELEVATION. IF THE WING IS SLOPED, USE THE LOWEST WING ELEVATION.
- B) PROJECT THE 1 1/2:1 SLOPE FROM THE TOE OF THE SLOPE PROTECTION, PERPENDICULAR TO THE BERM, TO THE POINT OF INTERSECTION WITH SLOPE PIVOT POINT ELEVATION. (SEE ①)
- C) PROJECT THE SLOPE PIVOT POINT ONTO THE CENTERLINE ROADWAY. DETERMINE THE STATION AND OFFSET TO THE SURVEY LINE. (SEE ②)
- D) SHOW THE SLOPE PIVOT POINT STATION, OFFSET AND ELEVATION ON THE SLOPE PROTECTION DETAILS SHEET.



FOR THE OBTUSE CORNER OF SKEWED BRIDGES, THE LOCATION OF THE SLOPE PIVOT POINT SHOULD CORRESPOND WITH THE LOCATION OF THE END OF WING.

SLOPE PIVOT POINT LOCATION

(1 1/2:1 FRONT SLOPE SHOWN, 2:1 FRONT SLOPE SIMILAR)

FIGURE 12-25a