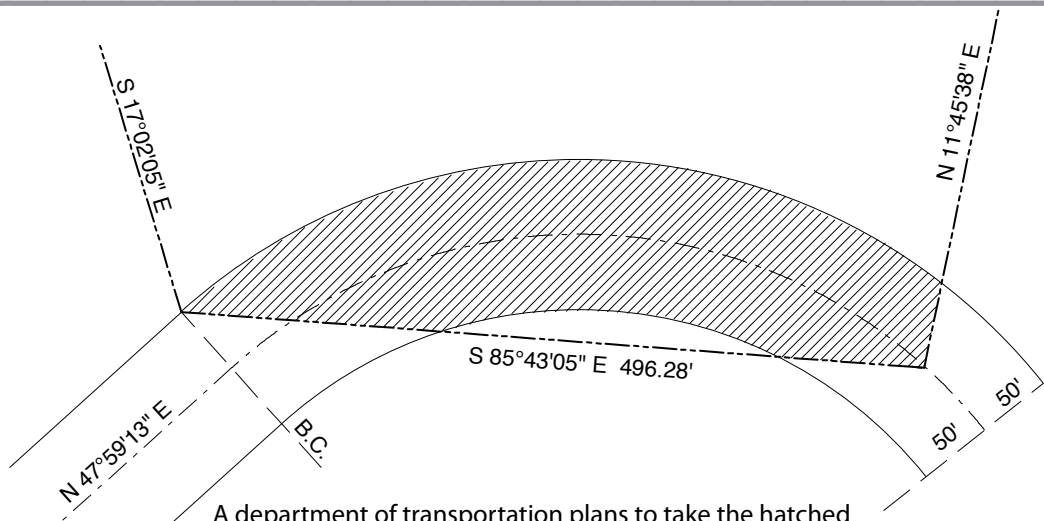


Problem  
**226**

by David Lindell, LS



A department of transportation plans to take the hatched area shown for a 100' road right-of-way. The beginning of the curve on the left side passes through the southwest corner of the property, and the centerline passes through the southeast corner of the property.

What is the area bounded by the 100-foot right-of-way and the property lines?

If the DOT also took the segment southerly of the 100-foot strip, what is its area?