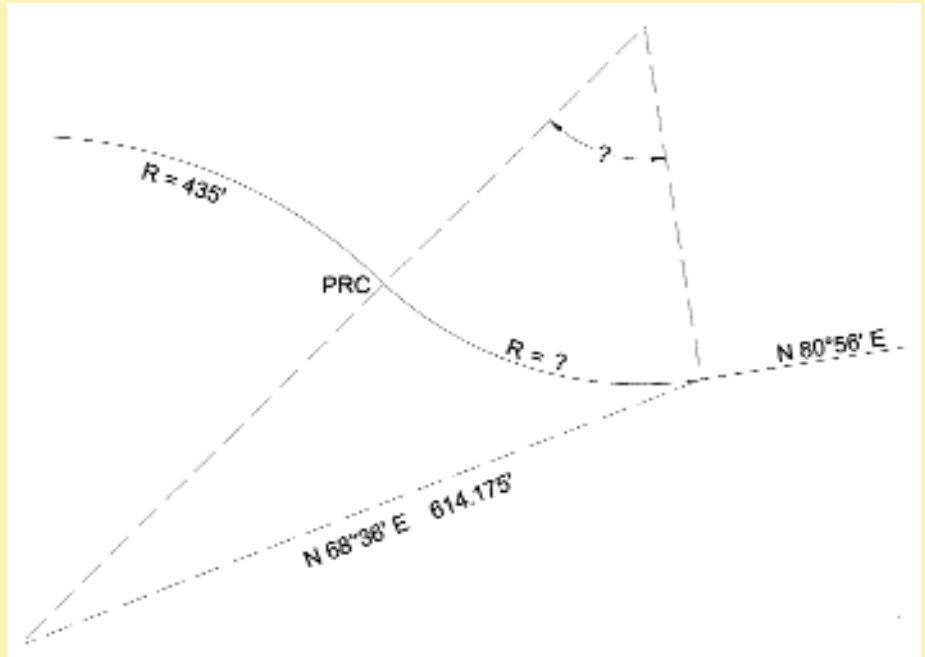


THE PROBLEM CORNER

This month's challenges involve finding the central angle and radius of a reverse curve, and determining an area that includes two curves.

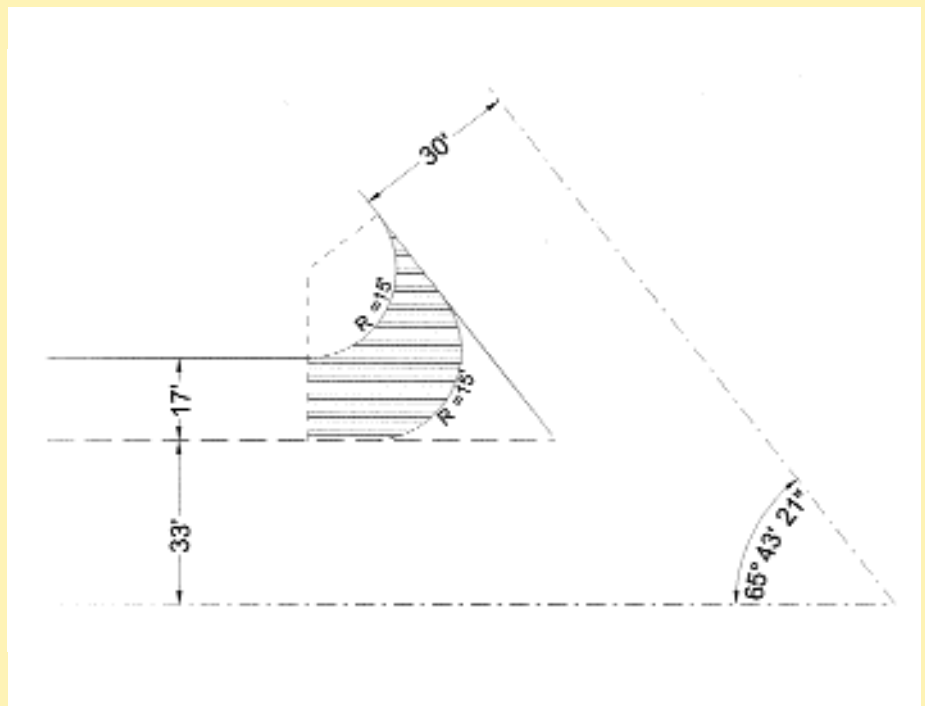
Problem Number 17

A reversed curve is required to join an existing curve of radius 435' and a tangent bearing N 80 degree 56'E. With only the tie from the radius point to the new end of curve, can you find the central angle and radius of the new connecting curve?



Problem Number 18

What is the area of the shaded portion?



The problems for this column are contributed by retired California surveyor Dave Lindell, LS.