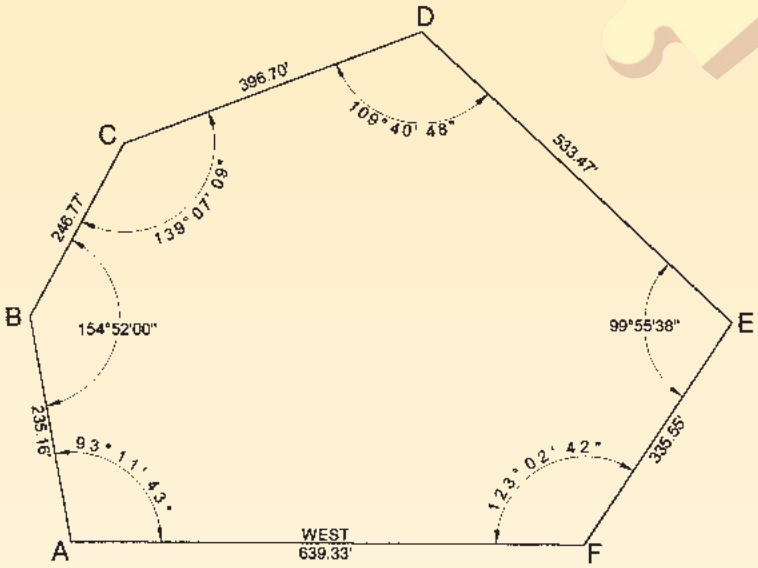
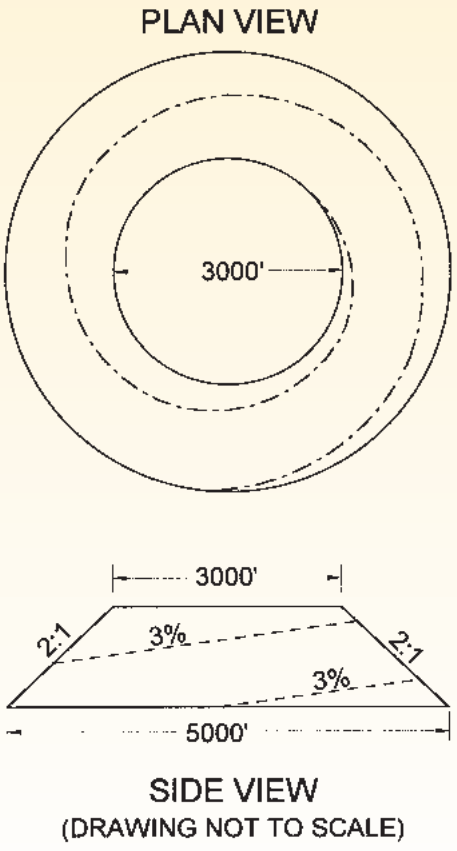
This month's challenges require you to isolate the angular blunder in a traverse, and to determine the length of a spiral-design road. Solutions can be found on our website at www.profsurv.com.

Problem 41

The traverse shown was started at "F," letting F-A be "west" and proceeding clockwise. Can you isolate the angular blunder in the traverse? (Note that the angles add up to 719°50'00" instead of 720°)



Problem 42



A road is to be built in a spiral at a 3% uniform grade on the hill as shown. How long will the road be?

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