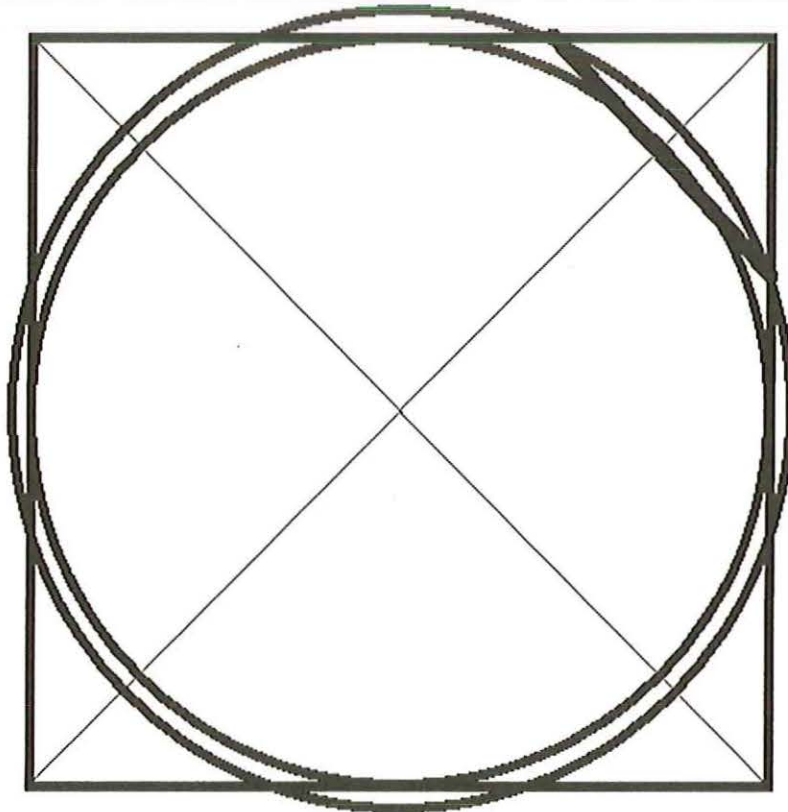## Representation of a Center Point Irrigation System

Assume a one-half mile square tract of land and the irrigation system has a reach of approximately .25 miles (radius).

The tract has an area of 0.25 square miles.

The area covered by the irrigation system would be approximately $3.1416 \, (.25)^2 = 0.196$ square miles.

The difference in the two areas is approximately 0.05 square miles.

Each triangle is approximately 0.0125 square miles or 8 acres.

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