Let the center of Section 11 be North 0.000, East 0.000 (A).

Traverse around the northeast quarter, including the north ¼ corner (B), the point 1320' from the northeast section corner (E), the true north 1/16 corner (G), the section corner (C), the east ¼ corner (D) and the true south 1/16 corner (H). Next calculate the intersection point of the two distances (F). Then calculate the intersection of the ¼-¼ line with the south line of the distances' intersection (J). (My values are shown on the answer sketch.)

The areas may be calculated by coordinate "cross-multiplication" or the overlap area may be divided into two triangles. The excluded area is a triangle.

The overlap area is 252,900 square feet, or 5.806 acres.

The excluded area is 14,965 square feet, or 0.344 acres.