$a+b+b=4308 \implies a=4308-2b$ the area: area=a×b=(l-2b)b= 4308b-2b² Note that the formula is for parabola. Now compute the vertex:

Square the unit for vertex's vertical coordinate since it is a quadratic.

length b and one side has length a:

 $vertex = (1077 ft, 2319858 ft^2)$

4. Since the fences enclose a rectangular plot without one side, two sides have