$a+b+b=2892 \implies a=2892-2b$ the area: area=a×b=(l-2b)b= 2892b-2b² Note that the equation 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:

 $vertex = (723 \text{ yd}, 1045458 \text{ vd}^2)$

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