

The Height of a Power Tower



You are a contractor who has been hired to build a tower of power near to a residential area. The community is very nervous about the tower potentially obscuring their views. The tower needs to be at least 130 feet tall. There is a river between the community and the building site with an embankment around either side.

The nearest home is at 33 degrees, 41 minutes, 4.5 seconds north, 112 degrees, 36 minutes and 52.2 seconds west.

The tower is going to be built near 33 degrees, 41 minutes, 8.5 seconds north, 112 degrees, 36 minutes and 52.2 seconds west.

The nearest peak of the 15 foot tall embankment is 33 degrees, 41 minutes 8.2 seconds north, 112 degrees, 36 minutes, 53.4 seconds.

Using google maps and google earth, what is the nearest location that the tower can be built without the top of it being visible over the embankment?