

$$\sin 5^{\circ} 12' 43'' = .09084019$$

$$\sin 75^{\circ} 23' 56'' = .96770550$$

$$\sin 99^{\circ} 23' 21'' = .98660303$$

$$\sin 18^{\circ} 27' 01'' = .31648157$$

$$\sin 56^{\circ} 52' 55'' = .83818174$$

$$\sin 104^{\circ} 36' 04'' = .96770550$$

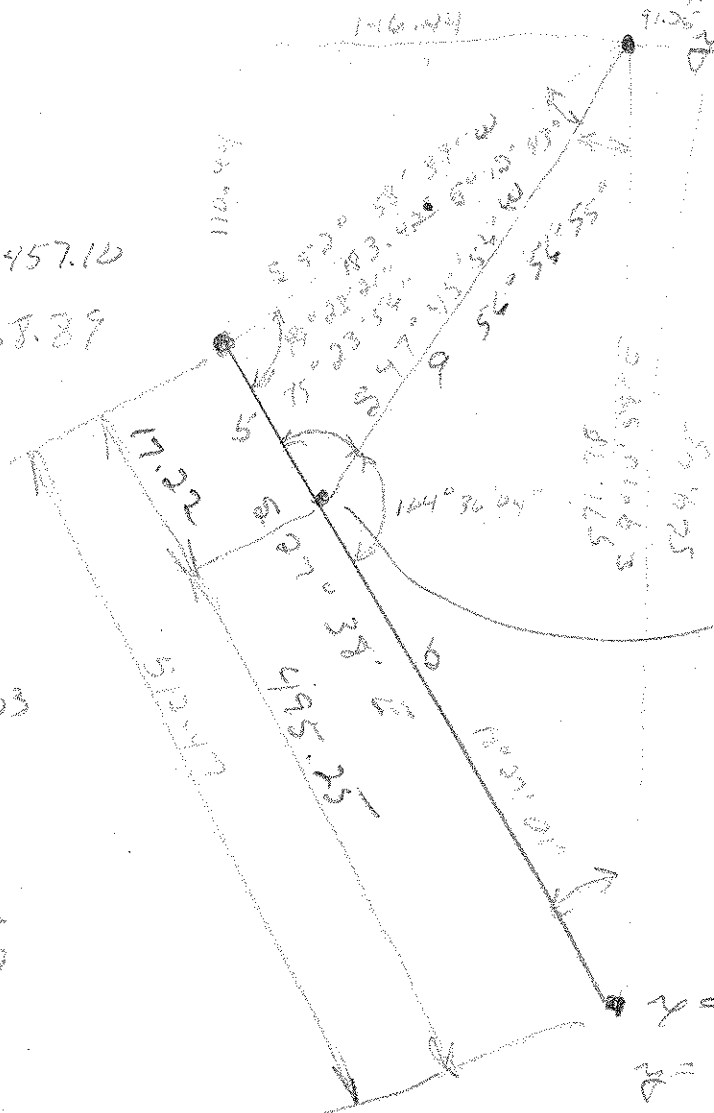
$$\sin 62^{\circ} 07' 38'' = .88425969$$

$$x = 2,255,457.10$$

$$y = 702,158.89$$

$$x = 2,255,603.54$$

$$y = 702,769.33$$



$$x = 2,255,465.09$$

$$y = 702,143.63$$

$$x = 2,255,694.79$$

$$y = 701,704.88$$

$$\frac{183.42}{.96770550} = \frac{a}{.98660303}$$

$$a = 187.00$$

$$\frac{183.42}{.96770550} = \frac{b'}{.09084019}$$

$$b' = 17.22$$

$$\frac{571.78}{.96770550} = \frac{a}{.31648157} \rightarrow a = 187.00$$

$$\frac{571.78}{.96770550} = \frac{b}{.83818174} \rightarrow b = 495.25$$