

1. Find the station and elevation of the point of intersection, sketch the unequal tangent vertical curve, and compute elevations and percent grade at full stations. Also find the high point:

PVC station	=	20+00
PVC elevation	=	806.49 feet
G1	=	+4.50%
G2	=	-2.50%
PVT station	=	30+00
PVT elevation	=	805.99 feet

2. Find the station and elevation of the point of intersection, sketch the unequal tangent vertical curve, and compute elevations and percent grade at half stations:

PVC station	=	64+00
PVC elevation	=	1310.00 feet
G1	=	-1.25%
G2	=	-4.75%
PVT station	=	76+00
PVT elevation	=	1281.00 feet