

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	=	8+00
PVC elevation	=	75.00 feet
G1	=	+1.250%
G2	=	-2.250%
PVT station	=	15+00
PVT elevation	=	75.00 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 full stations. Also find the low point:

PVC station	=	9+50
PVC elevation	=	123.45 feet
G1	=	-5.000%
G2	=	+1.000%
PVT station	=	19+25
PVT elevation	=	118.20 feet