X = Distance to flanking inlet in sag vertical curve locations using depth at curb criteria (m).										
Speed (km/h)	30	40	50	60	70	80	90	100	110	120
d9 K6	4	8	12	18	25	32	40	51	62	73
0.03	4.9	6.9	8.5	10.4	12.2	13.9	15.5	17.5	19.3	26.8
0.06	6.9	9.8	12.0	14.7	17.3	19.6	21.9	24.7	27.3	29.6
0.09	8.5	12.0	14.7	18.0	21.2	24.0	26.8	30.3	33.4	36.2
0.12	9.8	13.9	17.0	20.8	24.5	27.7	31.0	35.0	38.6	41.9
0.15	11.0	15.5	19.0	23.2	27.4	31.0	34.6	39.1	43.1	46.8
0.18	12.0	17.0	20.8	25.5	30.0	33.9	37.9	42.8	47.2	51.3
0.21	13.0	18.3	22.4	27.5	32.4	36.7	41.0	46.3	51.0	55.4
0.24	13.9	19.6	24.0	29.4	34.6	39.2	43.8	49.5	54.6	59.2

NOTES:
1. $x = (200dK)^{0.5}$, where x = distance from the low point to flanking inlet, m
2. Drainage maximum K = 51 (m/% A) for curbed facilities
3. d = depth at curb, m
4. K = L/A Where:

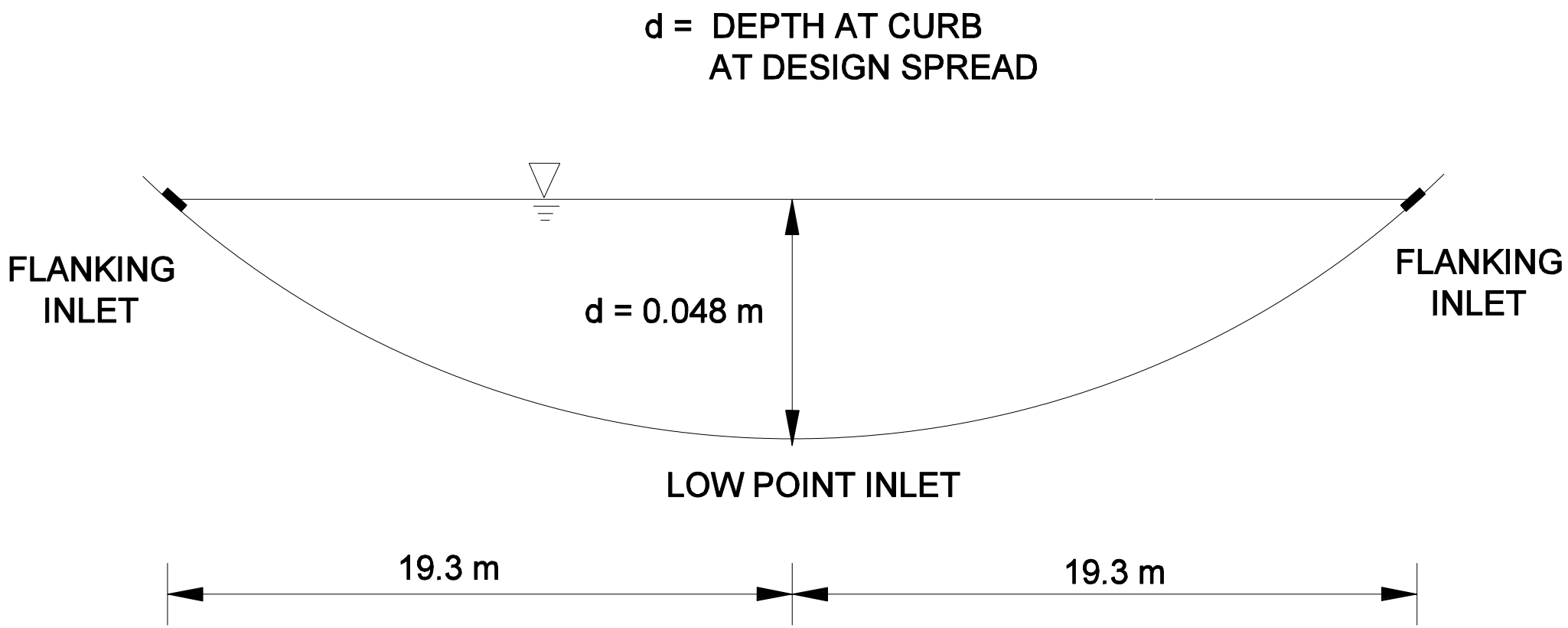
   L = Length of vertical curve, m
   A = Algebraic difference in approach grades,%

Reference: HEC 12 (modified)

Example Problem 36-10.3 (Flanking Inlet At Sag Point)

FLANKING INLET LOCATIONS
Figure 36-10E

Back To Flanking Inlet Locations



EXAMPLE PROBLEM 36-10.3

(Flanking inlets at Sag Point)