Speed (mph)	20	25	30	35	40	45	50	55	60	62	65	70
d↓ *K*→	20	30	40	50	70	90	110	130	160	167	180	220
0.1	20	24	28	32	37	42	47	51	57	58	60	66
0.2	28	35	40	45	53	60	66	72	80	82	85	94
0.3	35	42	49	55	65	73	81	88	98	100	104	115
0.4	40	49	57	63	75	85	94	102	113	116	120	133
0.5	45	55	63	71	84	95	105	114	126	129	134	148
0.6	49	60	69	77	92	104	115	125	139	142	147	162
0.7	53	65	75	84	99	112	124	135	150	153	159	176
0.8	57	69	80	89	106	120	133	144	160	163	170	188

Notes:

1. $x = (200dK)^{0.5}$, where x = distance from the low point to flanking inlet, ft, and
   d = depth at curb, ft
   Maximum K for drainage = 170 (ft/%A) for a curbed facility.
2. $K = L/A$, where L = length of vertical curve, ft, and A = algebraic difference in approach grades, %.
   Reference: *HEC 12* (modified).
3. See Figure 36-10E(1) for Example 36-10.3 details.

FLANKING-INLET LOCATIONS

Figure 36-10E