

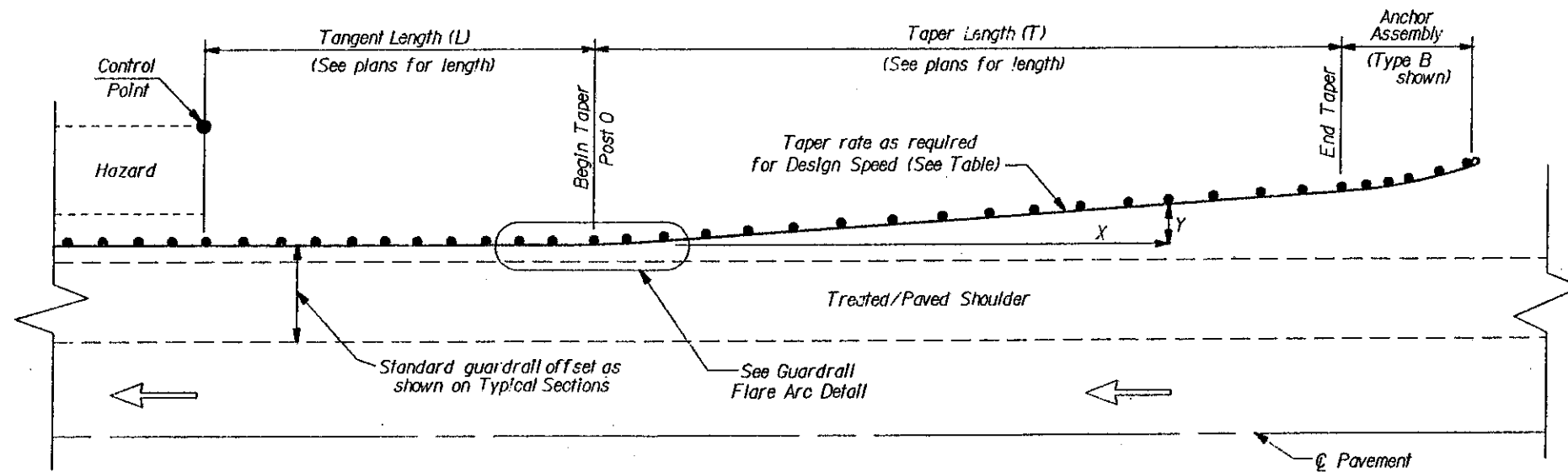
## NOTES

THE STANDARD GUARDRAIL FLARE shown herein shall be constructed when indicated in the construction plans and in conjunction with Standard Construction Drawing GR-5.2. The Tangent Length and Taper Length used to construct each flare shall be as specified in the plans.

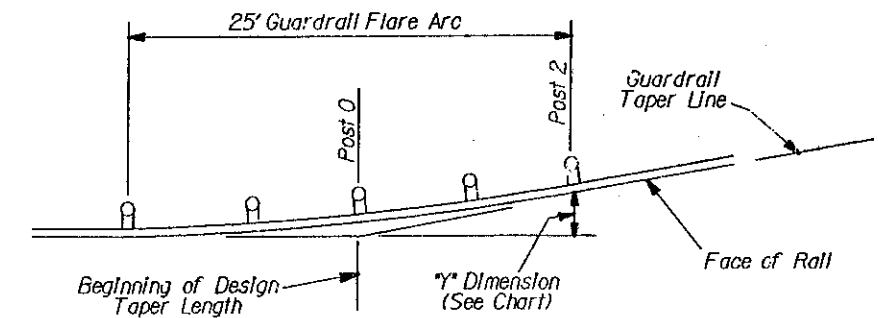
SPEEDS used to determine taper rates and offsets shall be the design speed indicated in the plan. Where a design speed is not shown or available, the legal posted speed limit shall be used. For design speeds below 45 mph, the tapered guardrail offsets shown for 45 mph may be used.

AN ANCHOR ASSEMBLY, Type B shall be used with standard guardrail flares unless otherwise specified.

THE CONTROL POINT shown designates the extent of the hazard being shielded and is shown for design use only.



STANDARD GUARDRAIL FLARE  
(Plan View)



GUARDRAIL FLARE ARC DETAIL

### TAPERED GUARDRAIL OFFSETS (In feet)

	Post	45 MPH 10:1 Taper		50 MPH 11:1 Taper		55 MPH 12:1 Taper		60 MPH 13:1 Taper		65 MPH 14:1 Taper		70 MPH 15:1 Taper	
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
25' Taper Length	0	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.2
	2	12.4	1.3	12.5	1.1	12.5	1.0	12.5	1.0	12.5	0.9	12.5	0.8
	4	24.9	2.5	24.9	2.3	24.9	2.1	24.9	1.9	24.9	1.8	24.9	1.7
50' Taper Length	6	37.3	3.7	37.3	3.4	37.4	3.1	37.4	2.9	37.4	2.7	37.4	2.5
	8	49.8	5.0	49.8	4.5	49.8	4.1	49.9	3.8	49.9	3.6	49.9	3.3
	10	62.2	6.2	62.2	5.7	62.3	5.2	62.3	4.8	62.3	4.5	62.4	4.2
75' Taper Length	12	74.6	7.5	74.7	6.8	74.7	6.2	74.8	5.7	74.8	5.3	74.8	5.0
	14	87.1	8.7	87.1	7.9	87.2	7.3	87.2	6.7	87.3	6.2	87.3	5.8
	16	99.5	9.9	99.6	9.1	99.7	8.3	99.7	7.7	99.7	7.1	99.8	6.7
100' Taper Length	18	111.9	11.2	112.0	10.2	112.1	9.3	112.2	8.6	112.2	8.0	112.3	7.5
	20	124.4	12.4	124.5	11.3	124.6	10.4	124.7	9.5	124.7	8.9	124.7	8.3
	22	136.8	13.7	136.9	12.5	137.0	11.4	137.1	10.5	137.1	9.8	137.2	9.1
150' Taper Length	24	149.3	14.9	149.4	13.6	149.5	12.5	149.6	11.5	149.6	10.7	149.7	10.0
	26	161.7	16.2	161.8	14.7	161.9	13.5	162.0	12.5	162.1	11.6	162.1	10.8
	28	174.1	17.4	174.3	15.8	174.4	14.5	174.5	13.4	174.6	12.5	174.6	11.6
200' Taper Length	30	186.6	18.7	186.7	17.0	186.9	15.6	186.9	14.4	187.0	13.4	187.1	12.5
	32	199.0	19.9	199.2	18.1	199.3	16.6	199.4	15.3	199.5	14.3	199.6	13.3

All "X" dimensions shown are from the centerline of Post 0 to the centerline of the indicated post along the standard guardrail offset line extended.

All "Y" dimensions shown are from the standard guardrail offset line extended to the face of roll at the post indicated.

BUREAU OF LOCATION AND DESIGN  
OHIO DEPARTMENT OF TRANSPORTATION

### GUARDRAIL FLARE DETAILS

DATE  
10-30-92

STANDARD  
CONSTRUCTION  
DRAWING

GR-5.1

APPROVED *W.K. Hubman* ENGR., L & D