

**Table 7-4
Loveland (GMA and City Limits) Street Standards - Technical Design Criteria**

Design Element	Arterial				Collector		Local		Lane	Alley
	4 or 6 lane		2-lane		Major	Minor	Comm/Industrial	Residential		
Overall Design Parameters										
Design Speed / Posted Speed	50/45		45/40		35/35	30/25	30/25	25/25	20/20	NA
Stopping Sight Distance	400'		325'		275'	200'	200'	150'	125'	100'
Horizontal Alignment										
Minimum centerline radius (with no super-elevation)	1075'		825'		600'	275'	275'	165'	90'	50'
Maximum super-elevation	0.04 ft/ft		0.04 ft/ft		0.04 ft/ft	NA	NA	NA	NA	NA
Minimum tangent between curves or at intersections ¹	200'		200'		150'	100'	100'	50'	0	0
Vertical Alignment										
Maximum Centerline Grade	5%		5%		6%	8%	8%	8%	8%	8%
Minimum Gutter Flowline Grade	0.5%		0.5%		0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Minimum K-values for Vertical Curves	Crest	84	84	44	44 ⁶	19 ⁶	19 ⁶	19 ⁶	12 ⁶	12 ⁶
	Sag	96	96	64	64	37	37	26	26	26
Intersection Design										
Minimum sight distance at driveways and intersections	1030'		830'		660'	310'	310'	260'	210'	210'
Access Management	Without Raised Median	With Raised Median	Without Raised Median	With Raised Median						
Minimum distance between intersections²	Signalized	2640'		2640'		NA	NA	NA	NA	NA
	Unsignalized	1320 ³	660'	1320 ³	660'	330'	250'	200'	200'	200'
Minimum distance between high volume driveways and corner clearance between high volume driveways and intersections²	1320 ³	660'	1320 ³	660'	200'	175'	175'	150'	NA	NA
Minimum distance between driveway edges	660'	660'	660'	330'	75'	30'	30'	12'	12'	No limit
Minimum corner clearance between driveways or alleys and intersections²	1320 ^{3,4}		660'		175'	100'	100'	80'	60'	50'
Driveway approach configuration	Radial curb return		Radial curb return		Curb cut ⁵	Curb cut ⁵	Curb cut ⁵	Curb cut ⁵	Curb cut ⁵	Curb cut ⁵

¹ Tangents are measured from flowline of intersecting street at intersections. See Section 7.4.1, A, .2. for more information.
² These distances are measured as shown in Figure 9-1.
³ Only allowed if shown to comply with ACF ordinances.
⁴ 600' for speeds ≤ 45 mph subject to Traffic Impact Study findings.
⁵ Radial curb returns are also allowed.
⁶ AASHTO values may be used within 100' of controlled intersections, or other locations where speeds are reduced.