WINLIAMAANUSEDDE

120 Attachment 2

Town of Windham

Appendix B Street Design and Construction Standards [Amended 6-16-2022 by Order No. 22-108; 3-28-2023 by Order No. 23-041; 5-27-2025 by Order No. 25-090]

	Table 1 Minimum Sight Distance Standards					
	Sight Distance					
Posted Speed	Standard Vehicle	Larger Vehicle	Mobility			
20	155	230	n/a			
25	200	300	n/a			
30	250	375	n/a			
35	305	455	n/a			
40	360	540	580			
45	425	635	710			
50	495	740	840			
55	570	855	990			
60	645	965	1150			

Posted speed figures are in miles per hour (mph) Sight distance figures are in feet (ft.)

Table 2 Access Design Standards for Low and Medium Volume Accesses				
Basic Standards		Low Volume	Medium Volume	
Min. access width:*				
	Majority passenger vehicles	12	22	
	>30% larger vehicles	30	30	
Min. corner clearance to:**				
	Unsignalized intersection	75	100	
	Signalized intersection	125	125	
Min. access spacing:***				
	MPH of external road			
	35 or less	n/a	n/a	
	40	175	175	
	45	265	265	
	50	350	350	
	55 or more	525	525	

^{*} Minimum widths for low- or medium-volume accesses shall be either the minimum cross-section width of the internal subdivision street or the minimum access width in Table 2, whichever width is greater.

^{**} Minimum corner clearance shall be the distance measured from the edge of an internal subdivision access, excluding radii, to the edge of an external street, excluding radii.

WINLIAMAANUSEDDE

Minimum access spacing shall be the distance measured from the edge of a driveway and entrance, excluding radii, to the edge of a neighboring driveway and entrance, excluding radii.

Table 3 Design and Construction Standards for Town Streets and Access and Access

Drive ⁽⁴⁾			Ind./	3.7 .	3.51
Item	Major Local Street	Minor Local Street	Comm	Major Private Street	Minor Private Streets
Average daily traffic (ADT)/lots served ⁽¹⁾	> 400 AADT	≤ 400 AADT	n/a	> 10 lots	≤ 10 lots
Surface type	Paved	Paved	Paved	Paved	Gravel
Min. right-of-way width (feet)	60	50	50	50	50
Min. traveled way width(2) (feet)	22	20	24	20	18
Primary shoulder type ⁽³⁾	Paved	Paved	Paved	Paved	Gravel
Min. primary shoulder type without curb (feet)	4	2	4	2	2
Min. primary shoulder type with curb (feet)	5	2	4	2	n/a
Min. primary shoulder type with sidewalk	5	2	4	2	n/a
Secondary shoulder type	Gravel	Gravel	Gravel	Gravel	n/a
Min. secondary shoulder width without curb (feet)	2	2	2	2	n/a
Min. clear zone width (each side) (feet)	8	7	7	n/a	n/a
Min. esplanade width (feet)	n/a	5	n/a	n/a	n/a
Minimum vertical clearance (feet)	14	14	14	14	14
Min. grade	0.50%	0.50%	0.50%	0.50%	0.50%
Min. grade with curb	1%	1%	1%	1%	1%
Max. grade	7%	8%	6%	11%	11%
Min. center-line radius (feet)	350	180	200	100	60
Min. tangent between curves of reverse alignment (feet)	200	100	200	100	n/a
min. angle of street intersection ⁽⁴⁾	90°	60°	90°	60°	60°
Max. grade at intersections ⁽⁵⁾	2%	2%	2%	2%	2%
Min. curb radii (feet)	30	25	30	25	15
Max. dead-end street length	See § 120-555, Streets, and § 120-911M(5)(b)[5], Dead-end streets				
Min. sidewalk width (feet)	5	5	5	n/a	n/a
Min. paved apron ⁽⁶⁾ (feet)					20

Additional Standards

- (1) See § 120-911M for street connection requirements.
- (2) Add eight feet of width for each lane of on-street parking.
- (3) See § 120-911M(5)(b)[6] for shoulder and sidewalk requirements.

 (4) See § 120-814B(6)(b)[1] Multifamily development standards for access drive requirements.

Formatted: Indent: Left: 0.07", Hanging: 0"

Formatted Table

Formatted: Superscript

Supp 11, May

Formatted: Font: 10 pt

Formatted: Font: 10 pt

Formatted: Indent: Left: 0.12", Space Before: 0.05 pt,

Line spacing: single

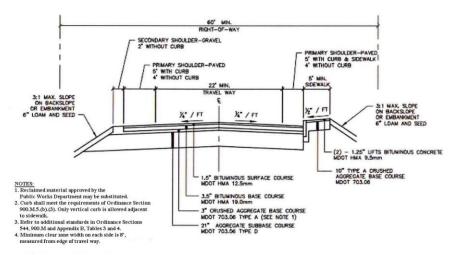
WINLIAMANUSTODE

- (45) Angle must be maintained for at least 60 feet from intersection.
- (56) Maximum grade must be maintained for at least 60 feet from the intersection.
- (67) A negative 2.0% grade from the existing edge of pavement must be provided to an appropriate drainageway that is no less than five feet from the travel surface or private way it intersects.

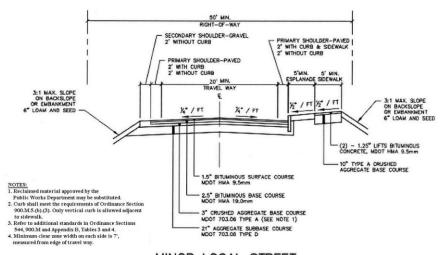
Table 4 Street Cons	struction Sta	andards and	d Dimension	18	
Material	Major Local Street	Minor Local Street	Ind./ Comm.	Major Private Road	Minor Private Road
Surface type	Paved	Paved	Paved	Paved	Gravel
Aggregate subbase courses					
Type D*	21"	21"	27"	21"	18"
Crushed aggregate base course**	3"	3"	3"	3"	3"
Hot bituminous pavement					
Total thickness compacted	5"	4"	5"	4"	n/a
Base course, HMA 19.0mm	3.5"	2.5"	3.5"	2.5"	n/a
Surface course, HMA 9.5mm	n/a	1.5"	n/a	1.5"	n/a
Surface course, HMA 12.5mm	1.5"	n/a	1.5"	n/a	n/a
Paved apron					
Aggregate subbase courses					
Type D					18"
Type B					n/a
Crushed aggregate base course**					3"
Hot bituminous pavement					3"
Bituminous concrete sidewalk:					
Crushed aggregate base course	10"	10"	10"	n/a	n/a
Pavement surface course***	(2)-1.25"	(2)-1.25"	(2)-1.25"	n/a	n/a

Notes:

- (#) = Required number of courses.
- * The Planning Board or Director of Public Works, as appropriate, may reduce the required depth of ASCG Type D from 27 inches to 21 inches if the applicant provides a geotechnical evaluation performed by a professional engineer. The evaluation must include gradations, California Bearing Ratios, and a design (based on AASHTO design methods) which indicates that 21 inches of ASCG Type D will be adequate to handle the estimated vehicular weight loads.
- ** Material shall be Crushed Aggregate Base Course, Type A, or RECLAIMED asphalt approved by the Public Works Department.
- ** Material shall be HMA 9.5mm.

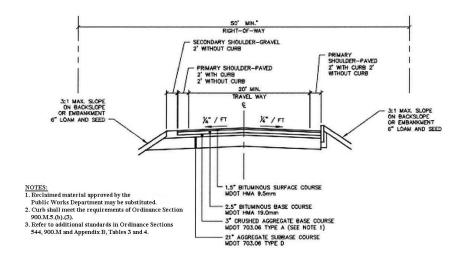


MAJOR LOCAL STREET NOT TO SCALE

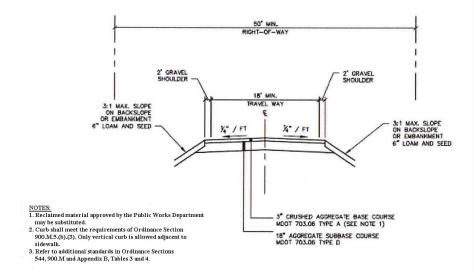


MINOR LOCAL STREET

NOT TO SCALE

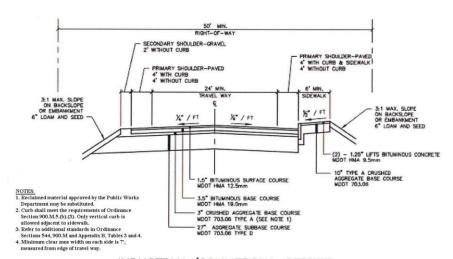


MAJOR PRIVATE ROAD NOT TO SCALE



MINOR PRIVATE ROAD

NOT TO SCALE

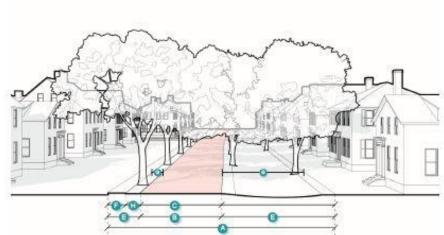


INDUSTRIAL/COMMERCIAL STREET
NOT TO SCALE

WINLIA IN LANGUE WIND DE

THOROUGHFARE STANDARDS

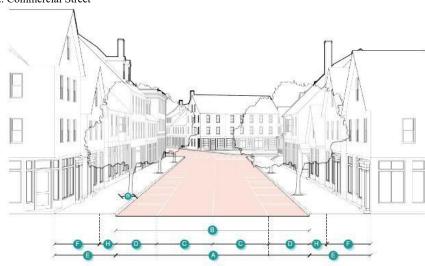
1. Residential Street



	. 1 4 . /				
a. Roadway			c. Verge		
Right-of-way width	30 ft. min., 50 ft.	Α	Margin width	3 ft. min., 2 sides	Е
	max.				
Pavement width	18 ft. min., 20 ft.	В	Walkway type	None, or sidewalk on	
	max.			1 or 2 sides (iii)	
Movement	Yield		Walkway width	4 ft. min.	F
No. of traffic lanes	2 lanes,		Planter type	None or continuous	
	unmarked			planter or swale (i)	
Traffic lane width	18 ft. min., 20 ft.	С	Planter width	3 ft. min. (i)	G
	max.				
Parking lanes	Opportunistic		Furnishing zone	1.5 ft. min.	Н
Parking lane width	Unmarked	D	d. Standards		
b. Curb and drainage			i. Planters are opt	ional on margins less tha	an 9
Curb type	None or § 120-		feet wide, and o	on thoroughfares with a t	otal
	911M(5)(b)[3]		ROW width nar	rower than 40 feet.	
Drainage type	Gutter or swale			ion standard must compl	У
Curb radius	15 ft. min.			Major Private Road or	
				eet if intended to be	
			offered for publ		
			iii.Refer to § 120-9	/11M(5)(b)[3].	

THOROUGHFARE STANDARDS

2. Commercial Street

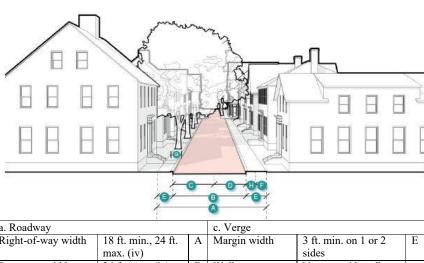


a. Roadway			c. Verge		
Right-of-way width	50 ft. min., 74 ft.	Α	Margin width	8 ft. min., 2 sides	Е
	max. (v)				
Pavement width	38 ft. max. (v)	В	Walkway type	Sidewalk, 1 or 2 sides	
Movement	Two-way		Walkway width	4 ft. min.	F
No. of traffic lanes	2-lanes		Planter type	Tree pits (ii)	
Traffic lane width	10 ft. min., 11 ft.	С	Planter width	3 ft. min. (ii)	G
Parking lanes	2 sides (i)		Furnishing zone	1.5 ft. min, 6 ft. max.	Н
Parking lane width	7 ft. min., 8 ft. max.	D	d. Standards		
b. Curb and drainage			i. Commercial streets may drop one or both		
Curb type	§ 120-911M(5)(b)[3]			portions of its length as lor bace is given to the adjacen	
Drainage type	Gutter		margin assembly.		_
Curb radius	12 ft. min.		ii. Planters are option wide.	nal on margins less than 9 t	eet
			Table 3 & 4 Majo	on standard must comply wi or Private Road or Minor cended to be offered for pub	
			iv. Refer to § 120-91	1M(5)(b)[3].	
			v. If perpendicular o		
			width may be in	right-of-way and pavement creased by additional width e parking configurations.	

WINLIAMANU STODE

THOROUGHFARE STANDARDS

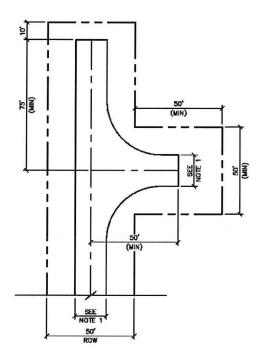
3. Curbed Lane



a. Roadway			c. Verge			
Right-of-way width	18 ft. min., 24 ft. max. (iv)	A	Margin width	3 ft. min. on 1 or 2 sides	Е	
Pavement width	24 ft. max. (iv)	В	Walkway type	None, or sidewalk on 1 or 2 sides		
Movement	Yielding or one- way		Walkway width	3 ft. min.	F	
No. of traffic lanes	1 lane		Planter type	Tree pits or continuous planter (ii)		
Traffic lane width	9 ft. min., 18 ft. max., unmarked (i)	С	Planter width	3 ft. min. (ii)	G	
Parking lanes	1 side or none, unmarked (i)		Furnishing zone	0 ft. min, 6 ft. max.	Н	
Parking lane width	7 ft. max.	D	d. Standards			
b. Curb and drainage			i. Curbed lane may drop one or both parking			
Curb type	§ 120-911M(5)(b)[3]		lanes for portions of its length as long as the resulting space is given to the adjace margin. ii. Planters are optional on margins less th 9 feet wide, and on curbed lanes with a total ROW width narrower than 40 feet iii. Street construction standard must compl with Table 3 & 4 Major Private Road or Minor Local Street if intended to be			
Drainage type	Center drain or gutter					
Curb radius	4 ft. min.					

WINDAMANUSEDDE

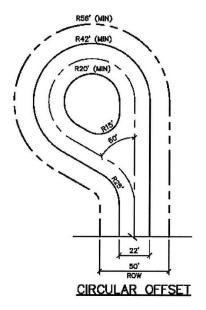
offered for public acceptance.
iv. If perpendicular or angled parking are
accommodated, right-of-way and
pavement width may be increased by
additional width required by these parking
configurations.

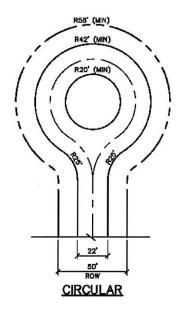


NOTES: 1. Refer to Ordinance Sections 500.B.8.(f),(2) and 900.M.5.(b).(5).(iv) for hammerhead design criteria.

HAMMERHEAD NOT TO SCALE

WINDANIAONUSTODE





LOCAL STREET CUL-DE-SAC
NOT TO SCALE