

BV, Baxter Village Traditional Neighborhood District

Design Standards Manual



THIRD READING DRAFT | LAST SAVED: 2022-02-28

Contents

FIGURE 1: MAJOR COLLECTOR (WITH CURB AND GUTTER) 3
FIGURE 2: MINOR COLLECTOR (WITH CURB AND GUTTER) 3
FIGURE 3: MINOR COLLECTOR (WITHOUT CURB AND GUTTER)..... 4
FIGURE 4: LOCAL (PARKING ON ONE SIDE) 5
FIGURE 5: LOCAL (NO PARKING) 6
FIGURE 6: TRAFFIC CALMING TECHNIQUES 7
FIGURE 7: MAJOR COLLECTOR (WITH CURB AND GUTTER) 8
FIGURE 8: MAJOR COLLECTOR (WITHOUT CURB AND GUTTER)..... 10
FIGURE 9: MINOR COLLECTOR (WITH CURB AND GUTTER) 12
FIGURE 10: MINOR COLLECTOR (WITHOUT CURB AND GUTTER)..... 14
FIGURE 11: LOCAL (PARKING ON ONE SIDE) 16
FIGURE 12: LOCAL (NO PARKING) 18
FIGURE 13: LOCAL (FORECOURT)..... 20
FIGURE 14: LOCAL (CLOSE)..... 22
FIGURE 15: ALLEY (SECONDARY ACCESS DRIVE) 24

FIGURE 1: MAJOR COLLECTOR (WITH CURB AND GUTTER)

Figure 1: Major Collector (with Curb and Gutter)

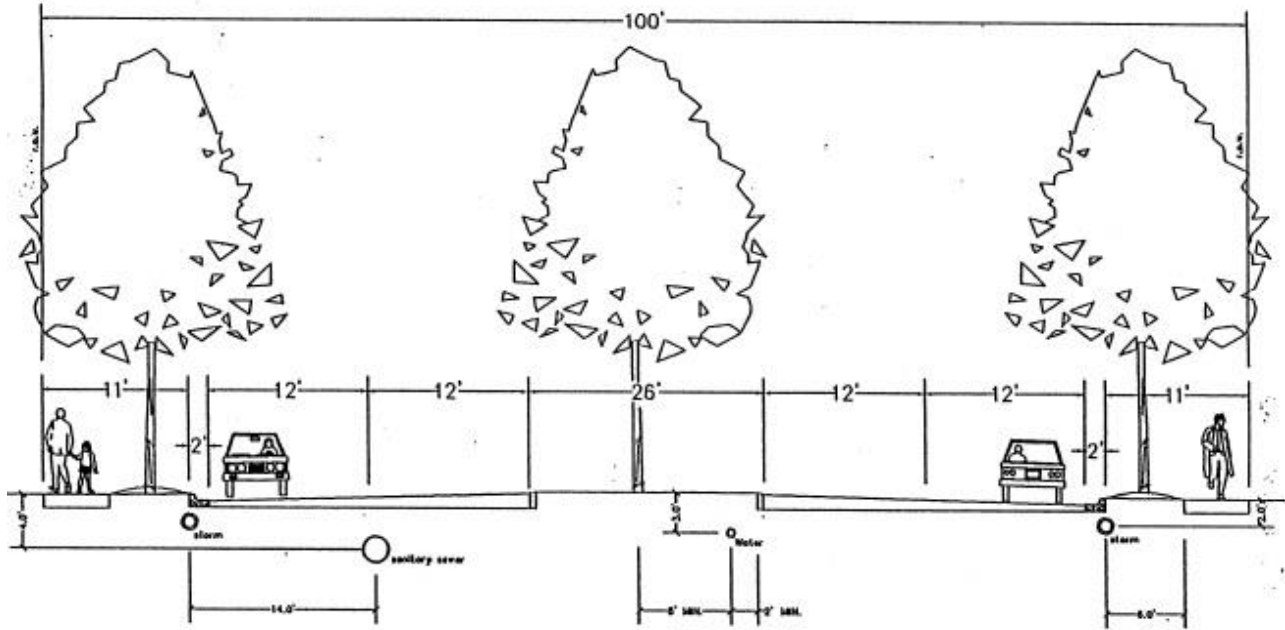


FIGURE 2: MINOR COLLECTOR (WITH CURB AND GUTTER)

Figure 2: Minor Collector (with Curb and Gutter)

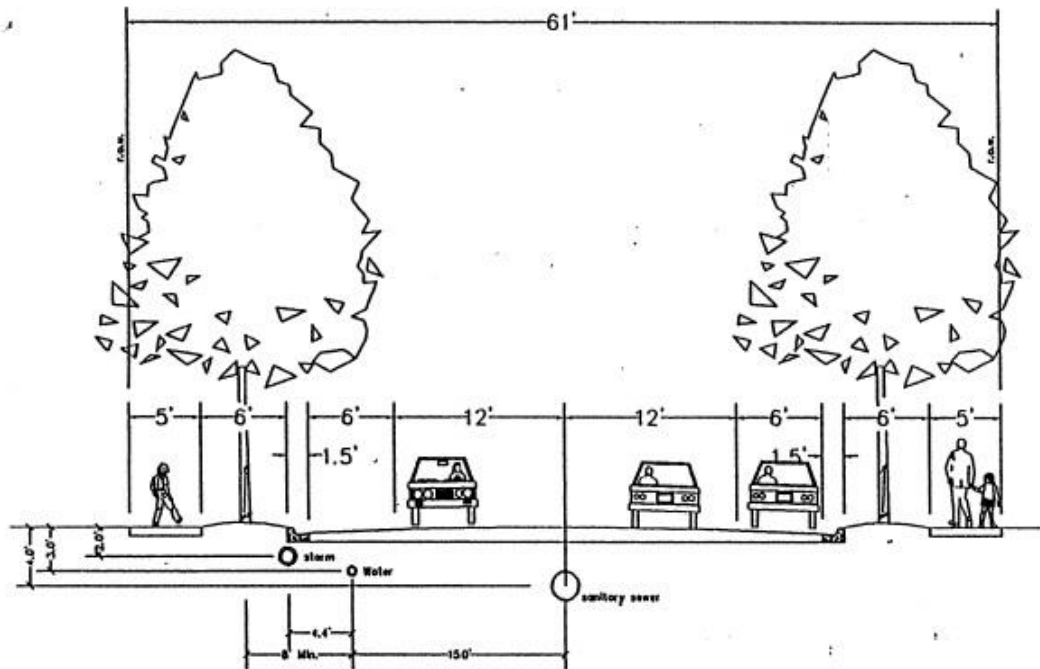


FIGURE 3: MINOR COLLECTOR (WITHOUT CURB AND GUTTER)

Figure 3: Minor Collector (without Curb and Gutter)

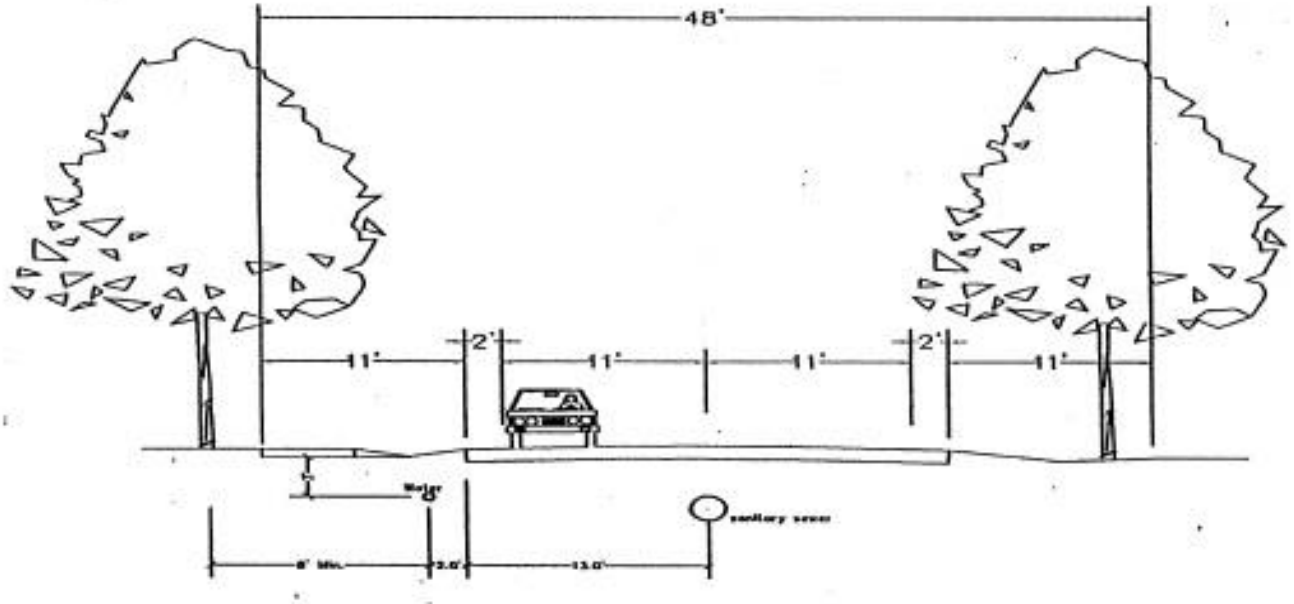


FIGURE 4: LOCAL (PARKING ON ONE SIDE)

Figure 4: Local (Parking on One Side)

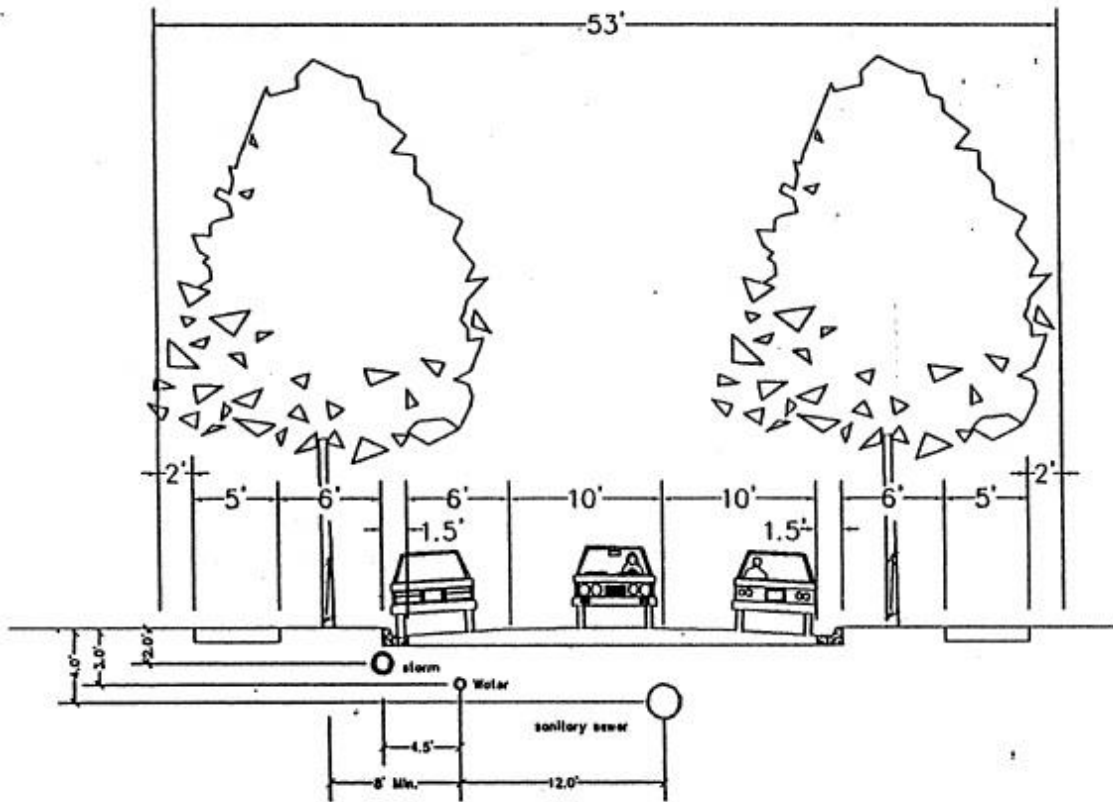


FIGURE 5: LOCAL (NO PARKING)

Figure 5: Local (No Parking)

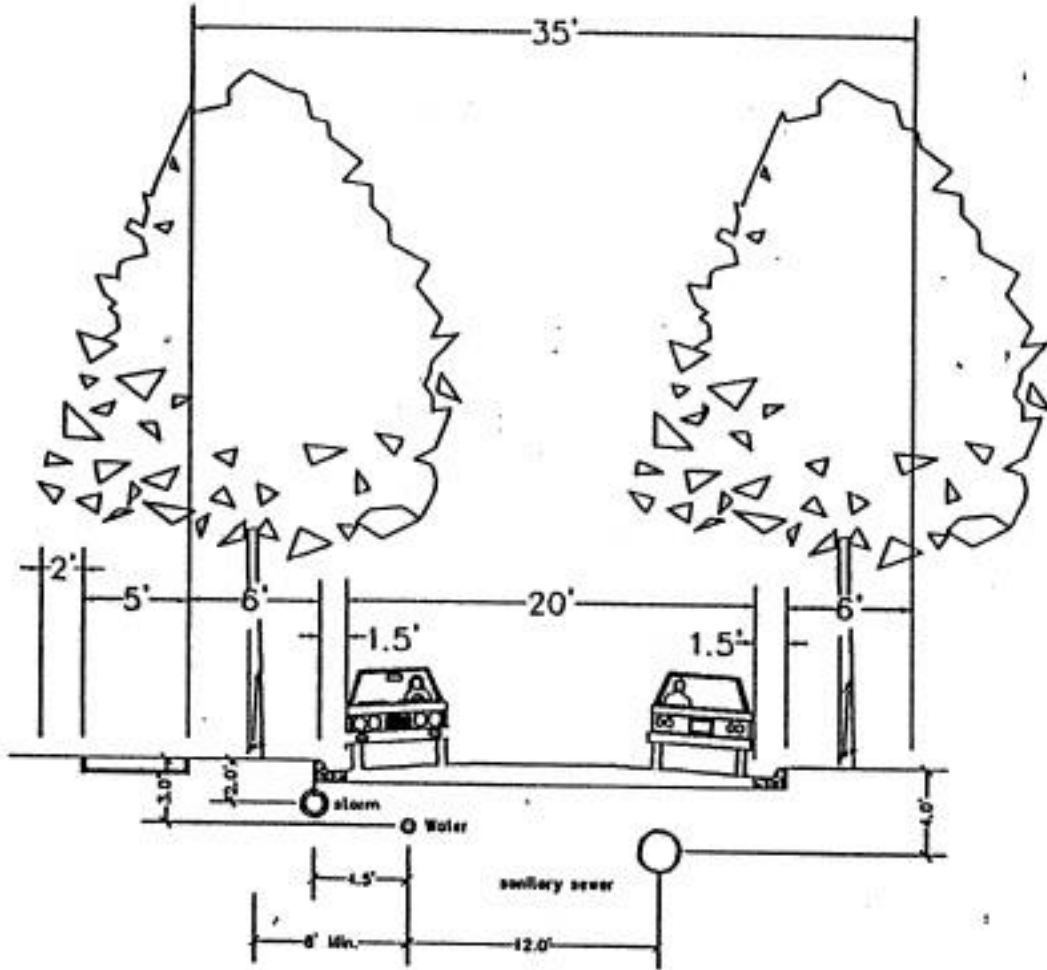


FIGURE 6: TRAFFIC CALMING TECHNIQUES

Figure 6: Traffic Calming Techniques

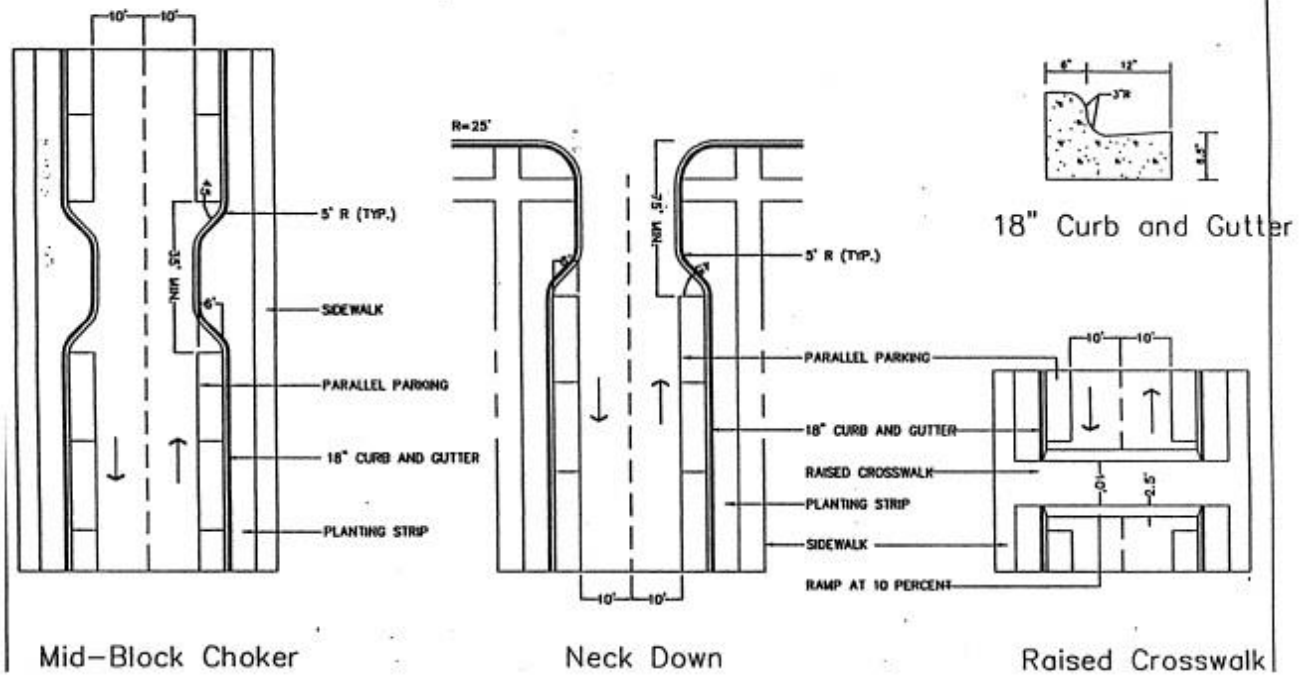


FIGURE 7: MAJOR COLLECTOR (WITH CURB AND GUTTER)

Figure 7: Major Collector (with Curb and Gutter)

Road Cross-Section

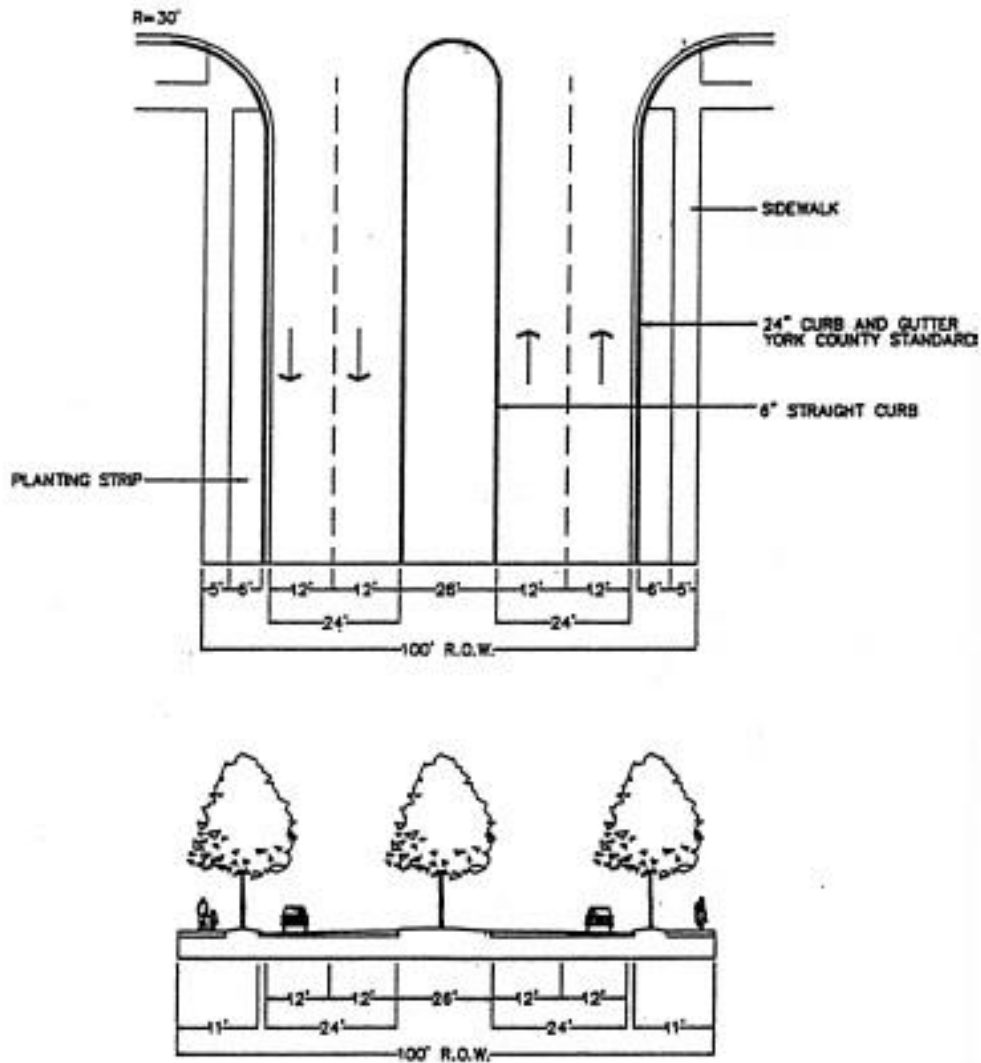


FIGURE 7: MAJOR COLLECTOR (WITH CURB AND GUTTER)

Figure 7: Major Collector (with Curb and Gutter)	
General Requirements	
Posted Speed	35 MPH
Superelevation	4% (min) 200 ft tangent
Curb Radius (min)	30 ft
Pavement Width	24 ft and 24 ft
Drainage	Curb and gutter
Centerline Radius (min)	375 ft
Bike Lane	Optional
Parking	None
“K” Value	80 crest, 70 sag
Sidewalk	Both sides
Pavement Section Requirements	
Hot laid binder course	2 in
Hot laid asphalt surface ¹	2 in

Key: mph = miles per hour | ft = feet | in = inch

¹ Must include primer coat

FIGURE 8: MAJOR COLLECTOR (WITHOUT CURB AND GUTTER)

Figure 8: Major Collector (without Curb and Gutter)

Road Cross-Section

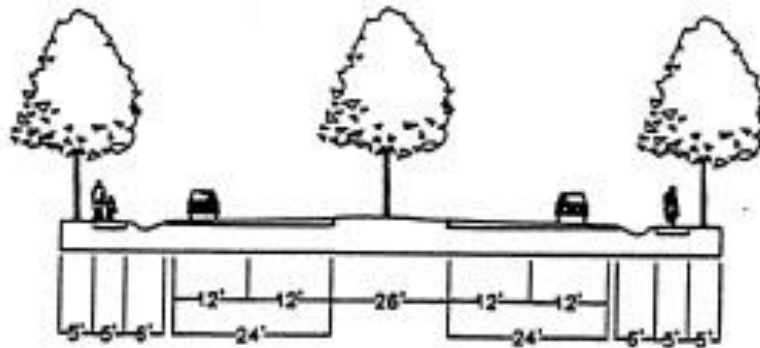
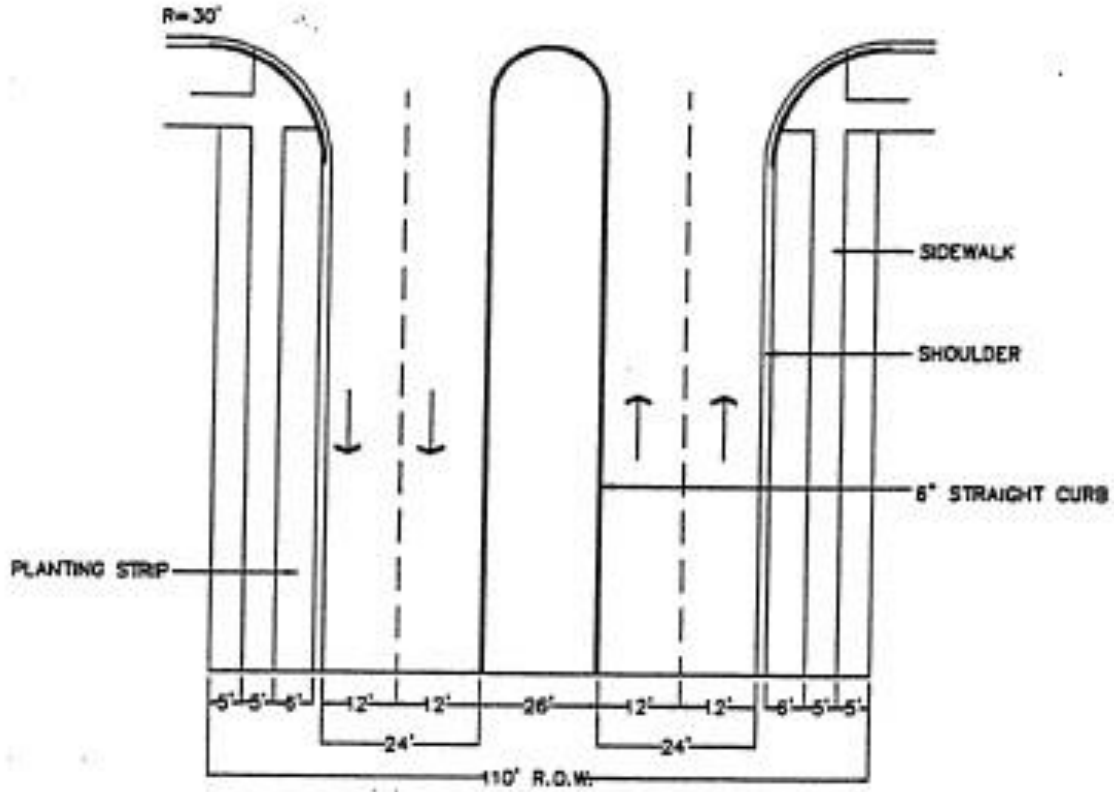


FIGURE 8: MAJOR COLLECTOR (WITHOUT CURB AND GUTTER)

Figure 8: Major Collector (without Curb and Gutter)

General Requirements

Posted Speed	35 MPH
Superelevation	4% (min) 200 ft tangent
Curb Radius (min)	30 ft
Pavement Width	24 ft and 24 ft
Drainage	Curb and gutter
Centerline Radius (min)	375 ft
Bike Lane	Optional
Parking	None
“K” Value	80 crest, 70 sag
Sidewalk	Both sides

Pavement Section Requirements

Hot laid binder course	2 in
Hot laid asphalt surface ¹	2 in

Key: mph = miles per hour | ft = feet | in = inch

¹ Must include primer coat

FIGURE 9: MINOR COLLECTOR (WITH CURB AND GUTTER)

Figure 9: Minor Collector (with Curb and Gutter)

Road Cross-Section

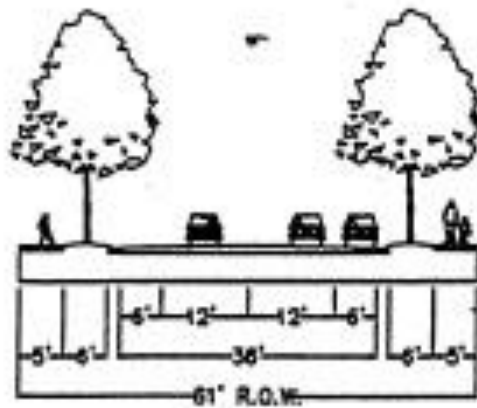
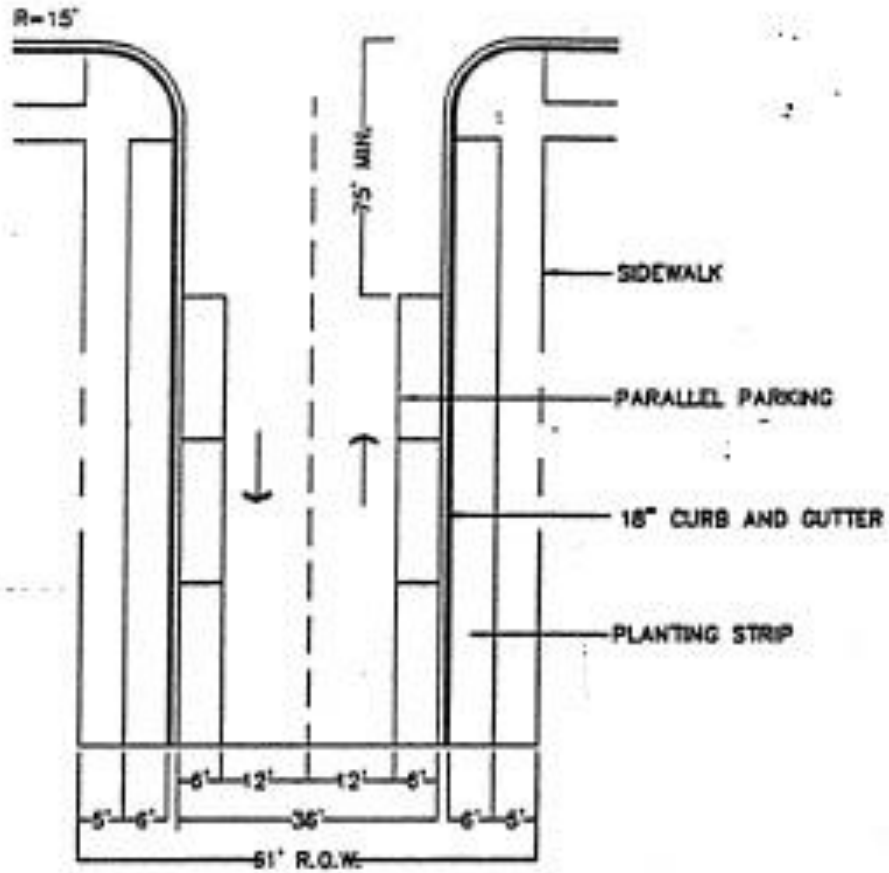


FIGURE 9: MINOR COLLECTOR (WITH CURB AND GUTTER)

Figure 9: Minor Collector (with Curb and Gutter)

General Requirements	
Posted Speed	20 MPH
Superelevation	None
Curb Radius (min)	30 ft
Pavement Width	18 ft (with on-street parking) 28 ft (without on-street parking)
Drainage	Curb and gutter
Centerline Radius (min)	150 ft
Bike Lane	Optional
Parking	None, one side, or both sides
“K” Value	15 crest, 20 sag
Sidewalk	Both sides
Pavement Section Requirements	
Hot laid binder course	n/a
Hot laid asphalt surface	2 in

Key: mph = miles per hour | ft = feet | in = inch | n/a = not applicable

FIGURE 10: MINOR COLLECTOR (WITHOUT CURB AND GUTTER)

Figure 10: Minor Collector (without Curb and Gutter)
Road Cross-Section

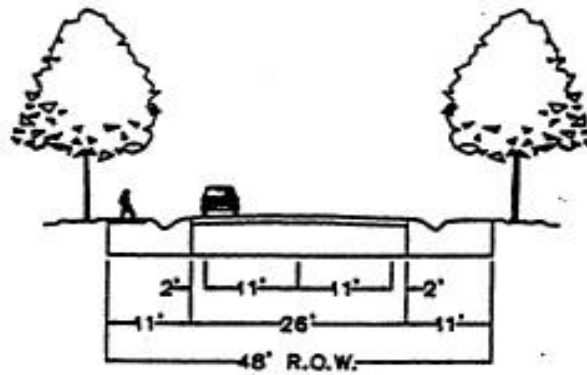
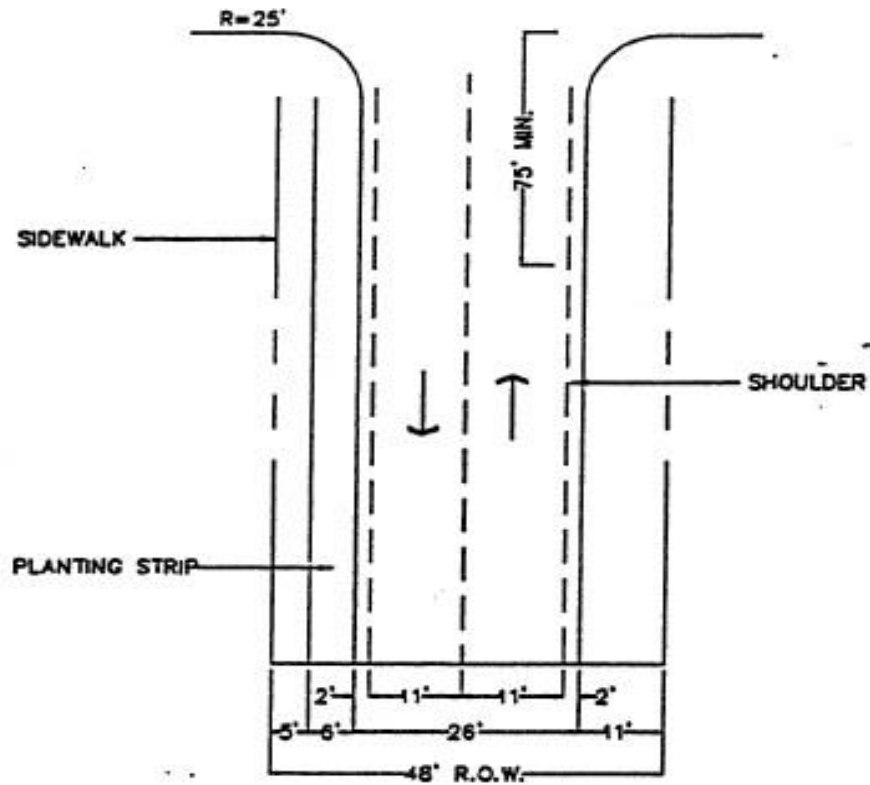


FIGURE 10: MINOR COLLECTOR (WITHOUT CURB AND GUTTER)

Figure 10: Minor Collector (without Curb and Gutter)

General Requirements

Posted Speed	20 MPH
Superelevation	None
Curb Radius (min)	28 ft
Pavement Width	22 ft
Drainage	Open section
Centerline Radius (min)	150 ft
Bike Lane	Optional
Parking	None
“K” Value	15 crest, 20 sag
Sidewalk	One side (min)

Pavement Section Requirements

Hot laid binder course	n/a
Hot laid asphalt surface	2 in

Key: mph = miles per hour | ft = feet | in = inch | n/a = not applicable

FIGURE 11: LOCAL (PARKING ON ONE SIDE)

Figure 11: Local (Parking on One Side)

Road Cross-Section

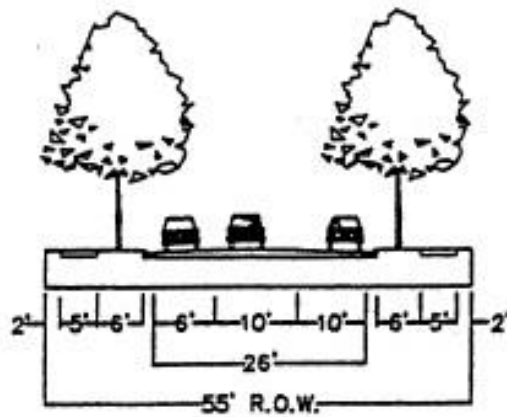
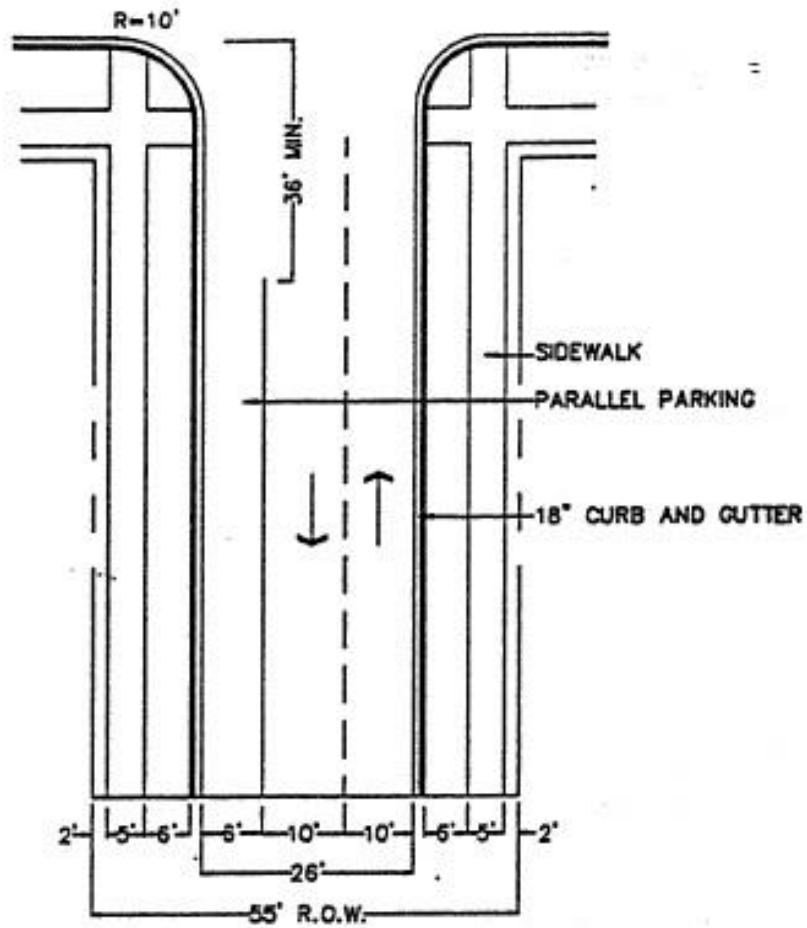


Figure 11: Local (Parking on One Side)

General Requirements

Posted Speed	15 MPH
Superelevation	None
Curb Radius (min)	10 ft (with on-street parking) 25 ft (without on-street parking)
Pavement Width (min/max)	20 ft / 30 ft
Drainage	Curb and gutter
Centerline Radius (min)	50 ft
Bike Lane	None
Parking	Optional
“K” Value	15 crest, 15 sag
Sidewalk	One side or both sides

Pavement Section Requirements

Hot laid binder course	n/a
Hot laid asphalt surface ¹	2 in

Key: min = minimum required | max = maximum allowed | n/a = not applicable | mph = miles per hour | ft = feet | in = inch

FIGURE 12: LOCAL (NO PARKING)

Figure 12: Local (No Parking)

Road Cross-Section

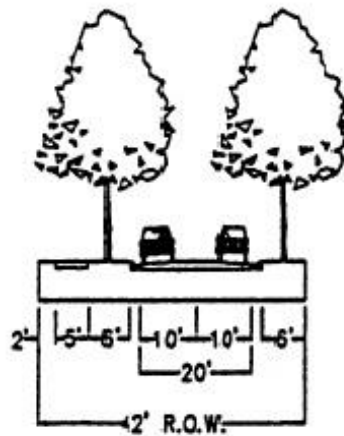
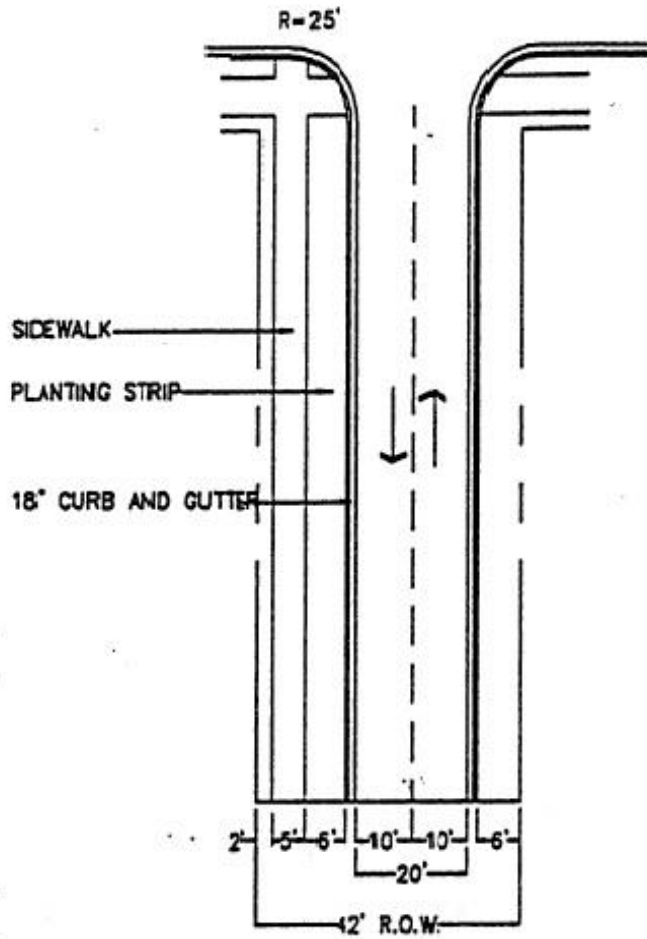


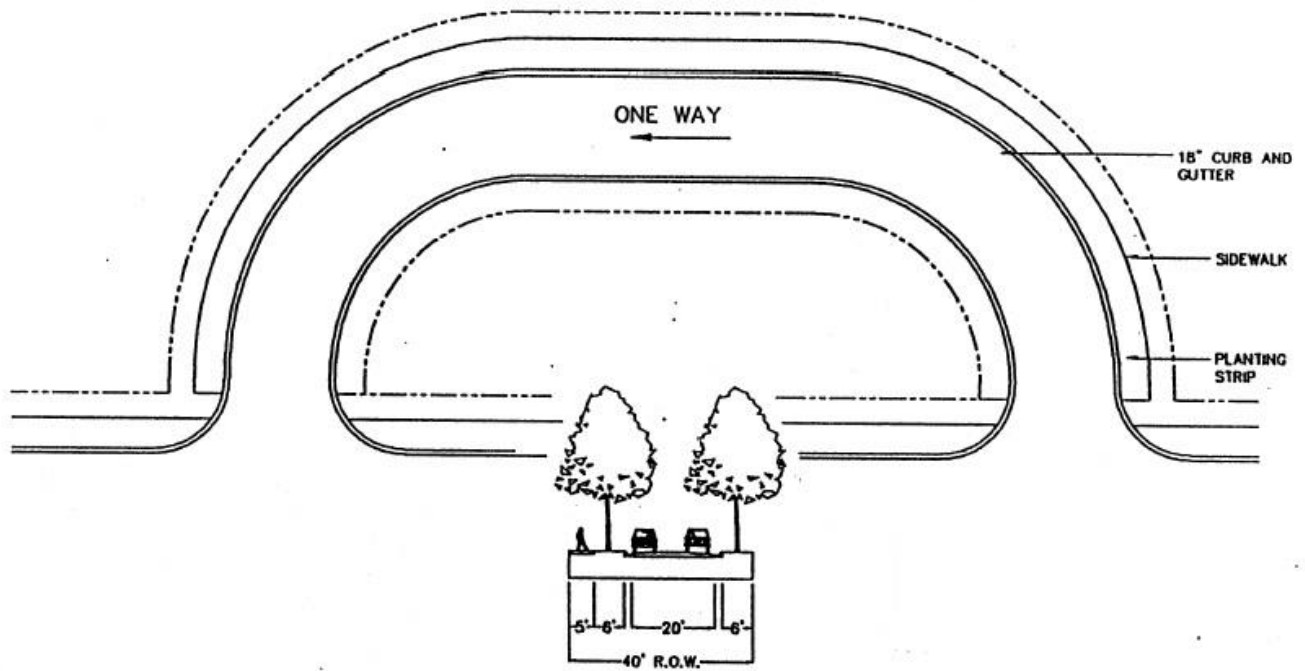
Figure 12: Local (No Parking)	
General Requirements	
Posted Speed	15 MPH
Superelevation	None
Curb Radius (min)	28 ft
Pavement Width (min/max)	20 ft / 30 ft
Drainage	Curb and gutter
Centerline Radius (min)	50 ft
Bike Lane	None
Parking	Optional
“K” Value	15 crest, 15 sag
Sidewalk	One side or both sides
Pavement Section Requirements	
Base course macadam	8 in
Hot laid binder course	n/a
Hot laid asphalt surface ¹	2 in

Key: min = minimum required | max = maximum allowed | n/a = not applicable | mph = miles per hour | ft = feet | in = inch

FIGURE 13: LOCAL (FORECOURT)

Figure 13: Local (Forecourt)

Road Cross-Section



General Requirements

Posted Speed	15 MPH
Superelevation	None
Curb Radius (min)	10 ft
Pavement Width	20 ft
Drainage	Curb and gutter
Centerline Radius (min)	50 ft
Bike Lane	None
Parking	One side or both sides
“K” Value	15 crest, 15 sag
Sidewalk	One side or both sides

Figure 13: Local (Forecourt)

Pavement Section Requirements

Base course macadam	8 in
Hot laid binder course	n/a
Hot laid asphalt surface ¹	2 in

Key: min = minimum required | max = maximum allowed | n/a = not applicable | mph = miles per hour | ft = feet | in = inch

FIGURE 14: LOCAL (CLOSE)

Figure 14: Local (Close)

Road Cross-Section

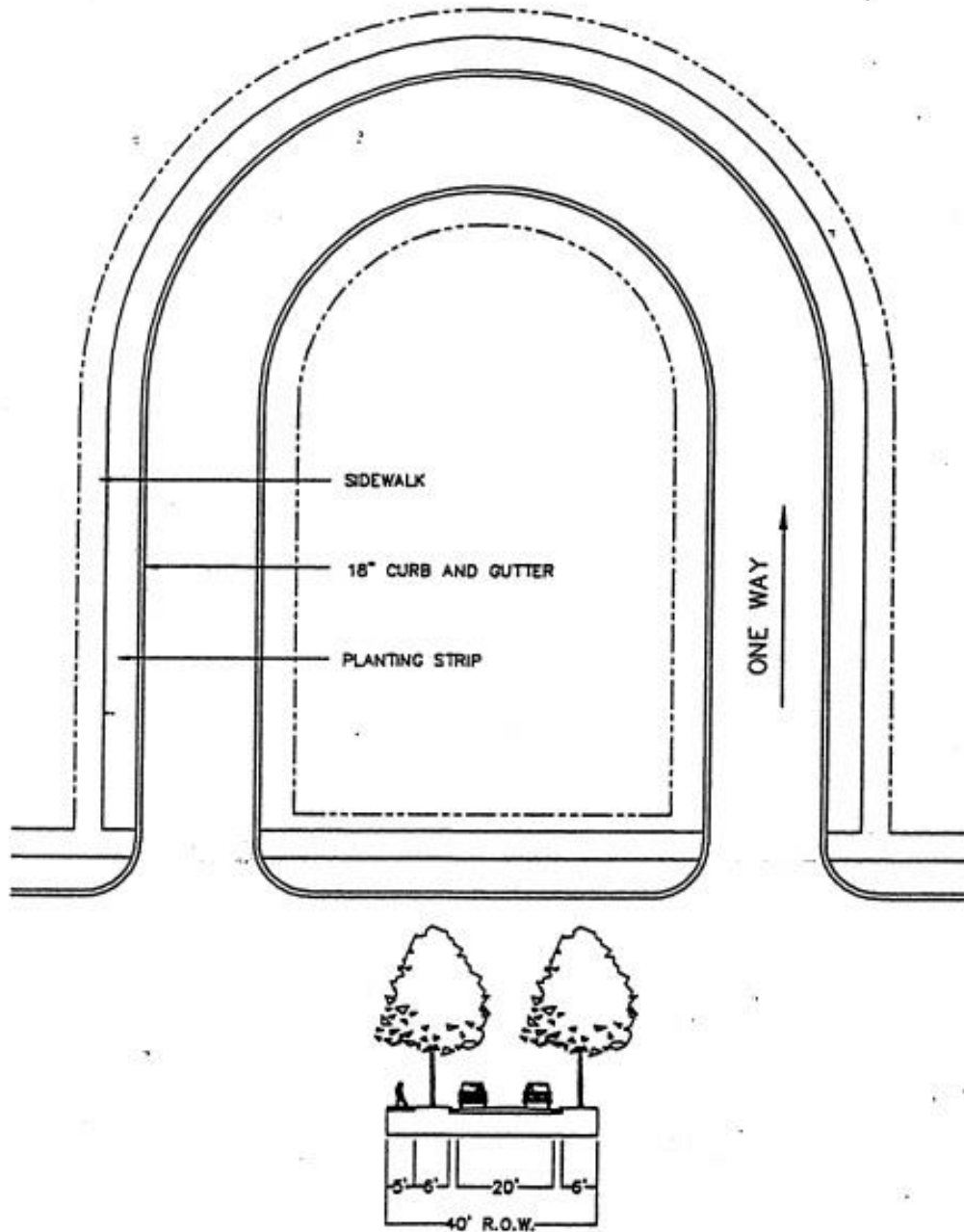


FIGURE 14: LOCAL (CLOSE)

Figure 14: Local (Close)	
General Requirements	
Posted Speed	15 MPH
Superelevation	None
Curb Radius (min)	10 ft
Pavement Width	20 ft
Drainage	Curb and gutter
Centerline Radius (min)	50 ft
Bike Lane	None
Parking	One side or both sides
“K” Value	15 crest, 15 sag
Sidewalk	One side or both sides
Pavement Section Requirements	
Base course macadam	8 in
Hot laid binder course	n/a
Hot laid asphalt surface ¹	2 in

Key: min = minimum required | max = maximum allowed | n/a = not applicable | mph = miles per hour | ft = feet | in = inch

FIGURE 15: ALLEY (SECONDARY ACCESS DRIVE)

Figure 15: Alley (Secondary Access Drive)

Road Cross-Section

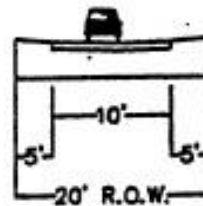
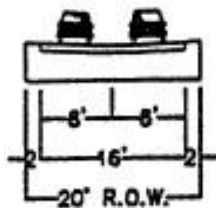
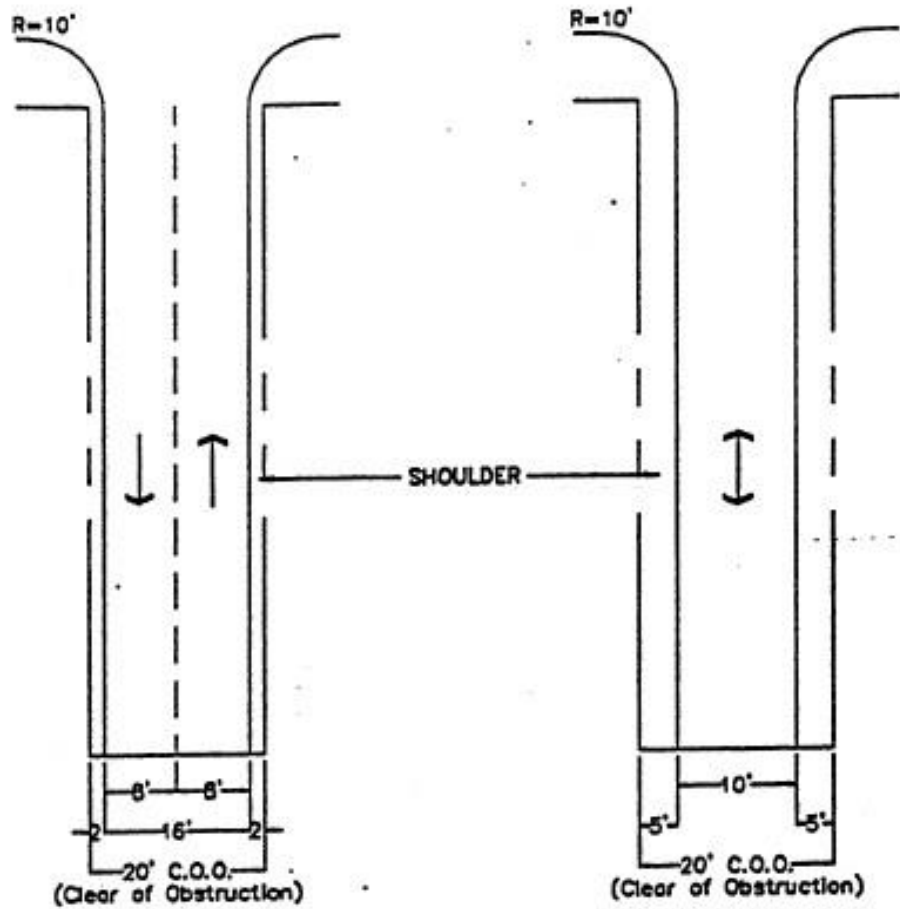


Figure 15: Alley (Secondary Access Drive)		
General Requirements		
Posted Speed	10 mph	20 mph
Superelevation	None	None
Curb Radius (min)	10 ft	10 ft
Pavement Width	18 ft	10 ft
Drainage	Closed	Closed
Centerline Radius (min)	50 ft	50 ft
Bike Lane	None	None
Parking	None	None
“K” Value	None	None
Sidewalk	None	None
Pavement Section Requirements		
Base course macadam	6 in	6 in
Hot laid binder course	n/a	n/a
Hot laid asphalt surface ¹	2 in	2 in

Key: min = minimum required | max = maximum allowed | n/a = not applicable | mph = miles per hour | ft = feet | in = inch