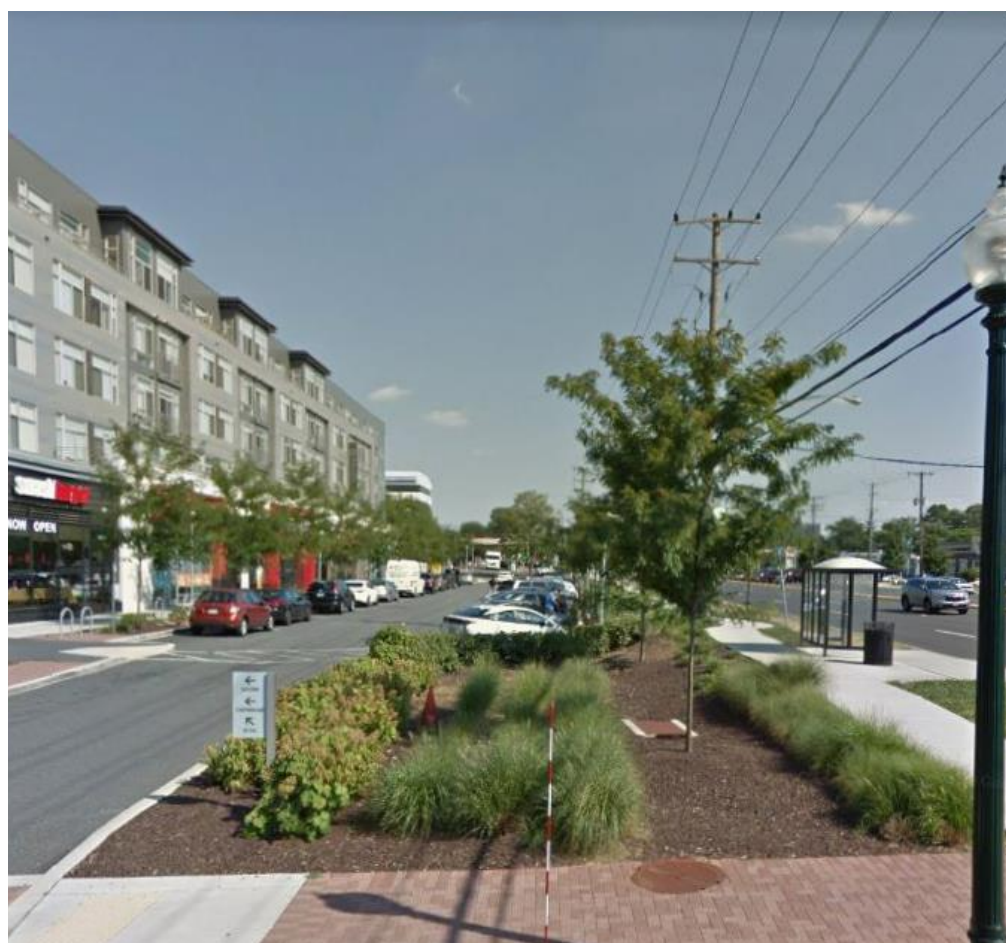# Appendix F:
Multiway/Street Network Concepts

Multiway Overview

A multiway is a local road parallel to a higher volume, higher speed road. Multiways separate through traffic from local traffic, improve shared access, and connect retail destinations. Landscaping, parking, and sidewalks often separate multiways from the main roadway. These elements help to calm traffic and create a neighborhood feel on the outside edge of the multiway.

A multiways configuration would improve shared access to businesses and reduce conflict points along Concord Pike. To access most retail on Concord Pike, vehicles must slow down significantly to make a safe turn into a driveway, and drivers following this vehicle must respond quickly. Sudden turns off this high-speed road can also endanger those walking on the sidewalk, especially when the sidewalk is often disrupted by driveways. Multiways reduce these opportunities for conflicts by providing a roadway for slower moving local traffic.
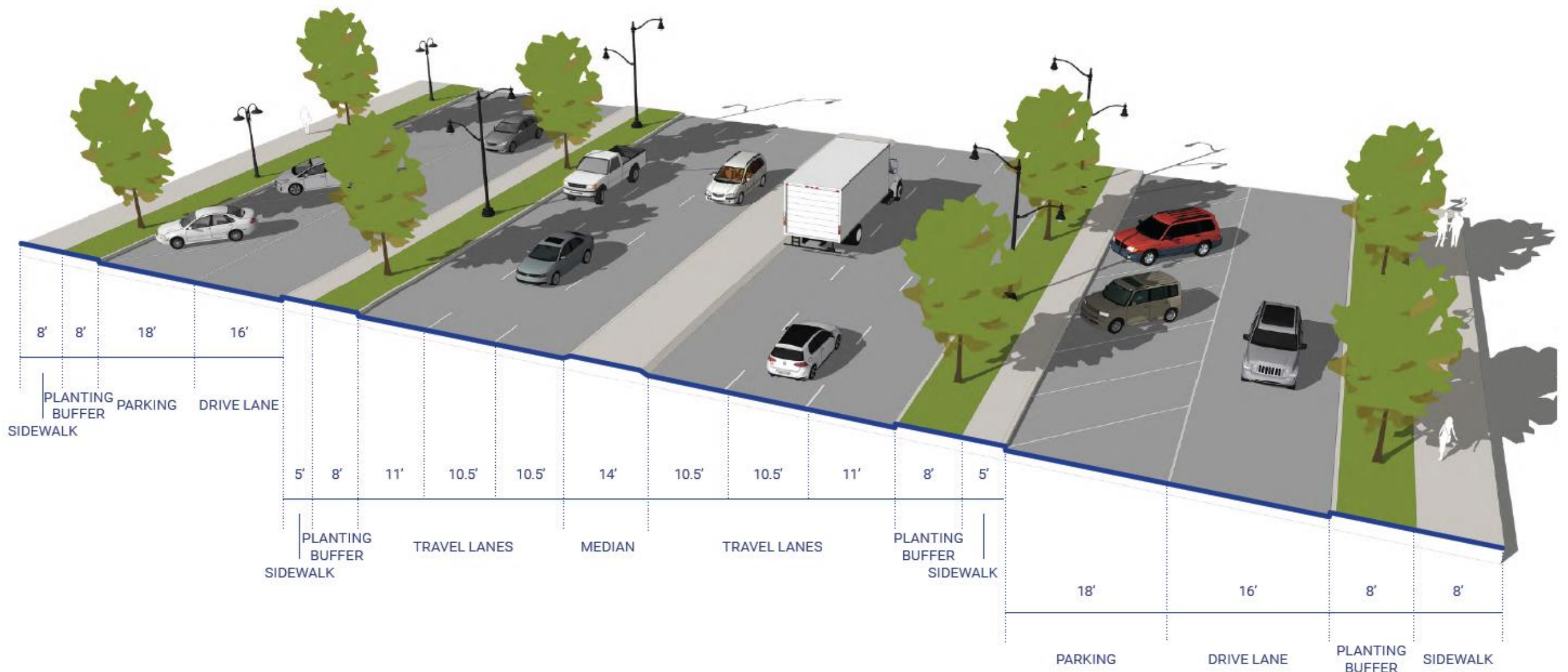
In addition, multiways improve access to local businesses by connecting smaller developments. Some retail destinations near Concord Mall and in Fairfax Shopping Center have connected parking lots, but many others are disconnected. The separate parking lots require drivers to exit onto Concord Pike to access a neighboring building. Multiways with sidewalks help connect nearby destinations for people in cars and on foot.

Limited to one travel lane and one parking lane, multiways can provide a less intimidating environment for pedestrians and bicyclists. While the total crossing distance from one side of Concord Pike to the other remains long, the multiway configuration helps break the crossing into multiple stages.

Multiway precedents in White Flint, MD (left)and Winter Springs, FL (right)

8'

PLANTING
BUFFER
SIDEWALK

8'
PARKING

18'
DRIVE LANE

16'

5'

PLANTING
BUFFER
SIDEWALK

8'

11'
TRAVEL LANES

10.5'

10.5'

14'
MEDIAN

10.5'

10.5'
TRAVEL LANES

11'

8'

PLANTING
BUFFER
SIDEWALK

5'

18'
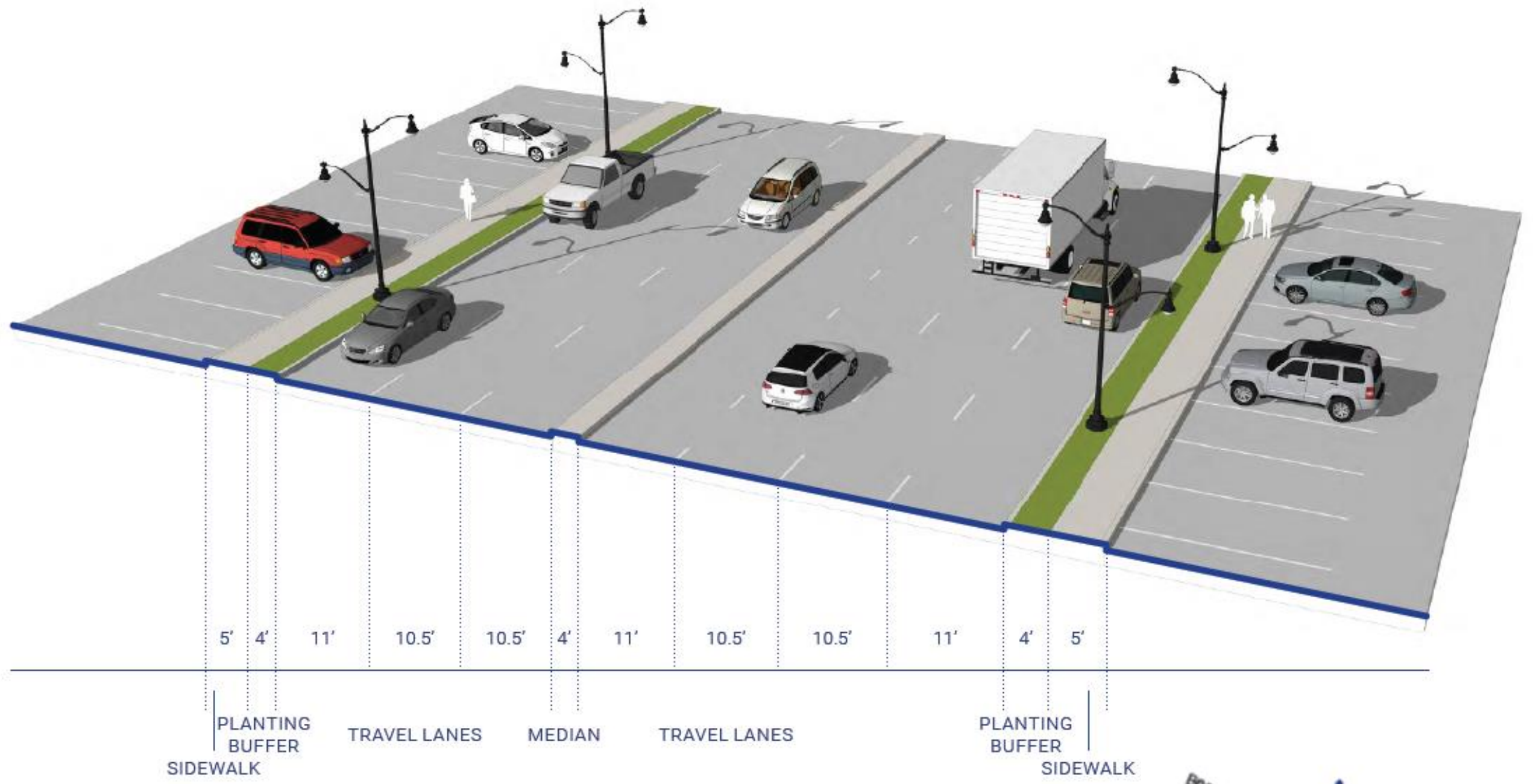PARKING

16'
DRIVE LANE

8'
PLANTING
BUFFER

8'
SIDEWALK

NOTE: ANGLED PARKING MAY BE EITHER HEAD-IN OR REVERSE-ANGLE

CONCORD PIKE
From Rocky Run Boulevard to Beaver Valley Road/Naaman's Road

Beaver Valley
Naamans
Rocky Run
Silverside
Florence
Fairfax
Murphy
Powder Mill
Independence Mall

5'	4'	11'	10.5'	10.5'	4'	11'	10.5'	10.5'	11'	4'	5'

PLANTING BUFFER   TRAVEL LANES   MEDIAN   TRAVEL LANES   PLANTING BUFFER

SIDEWALK   SIDEWALK

CONCORD PIKE
From Florence Avenue to Fairfax Boulevard

Beaver Valley — Naamans

Rocky Run

Silverside

Florence

Fairfax

Murphy

Powder Mill

Independence Mall

5' | 8' | 11' | 11' | 10.5' | 10.5' | 4' | 11' | 10.5' | 10.5' | 11' | 8' | 5'

SIDEWALK | PLANTING BUFFER | TURN LANE | TRAVEL LANES | MEDIAN | TURN LANE | TRAVEL LANES | PLANTING BUFFER | SIDEWALK

18' | 16' | 8' | 8'

PARKING | DRIVE LANE | PLANTING BUFFER | SIDEWALK
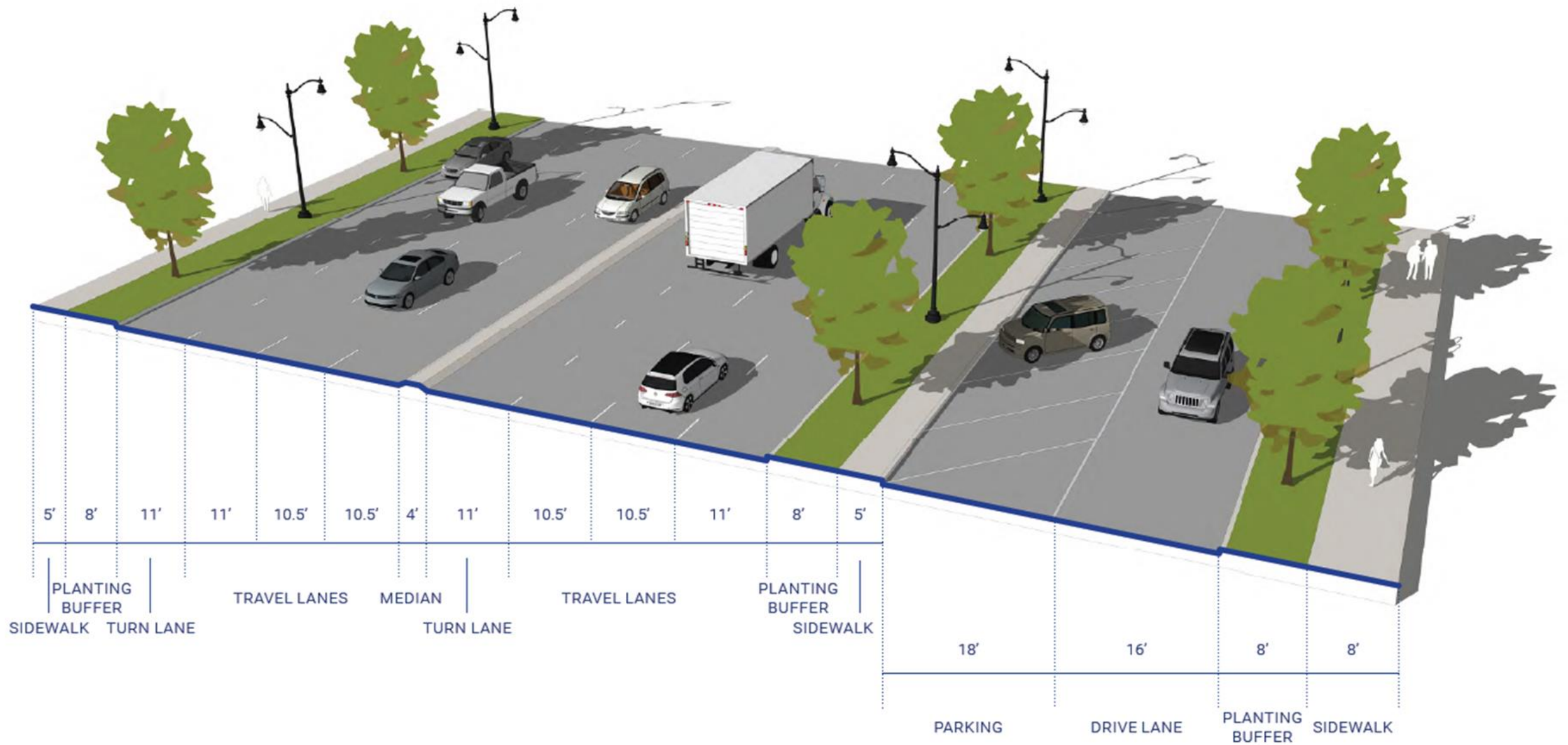
CONCORD PIKE
From Fairfax Boulevard to Murphy Road

Beaver Valley
Naamans
Rocky Run
Silverside
Florence
Fairfax
Murphy
Powder Mill
Independence Mall

10' 8'

PLANTING
BUFFER
EX. SHARED
USE PATH

12'	12'	12'	12'	12'	20'	12'	12'	12'	12'
SHOULDER	TURN LANE	TRAVEL LANES			MEDIAN	TURN LANE	TRAVEL LANES		

8'   10'

PLANTING   SHARED USE
BUFFER   PATH
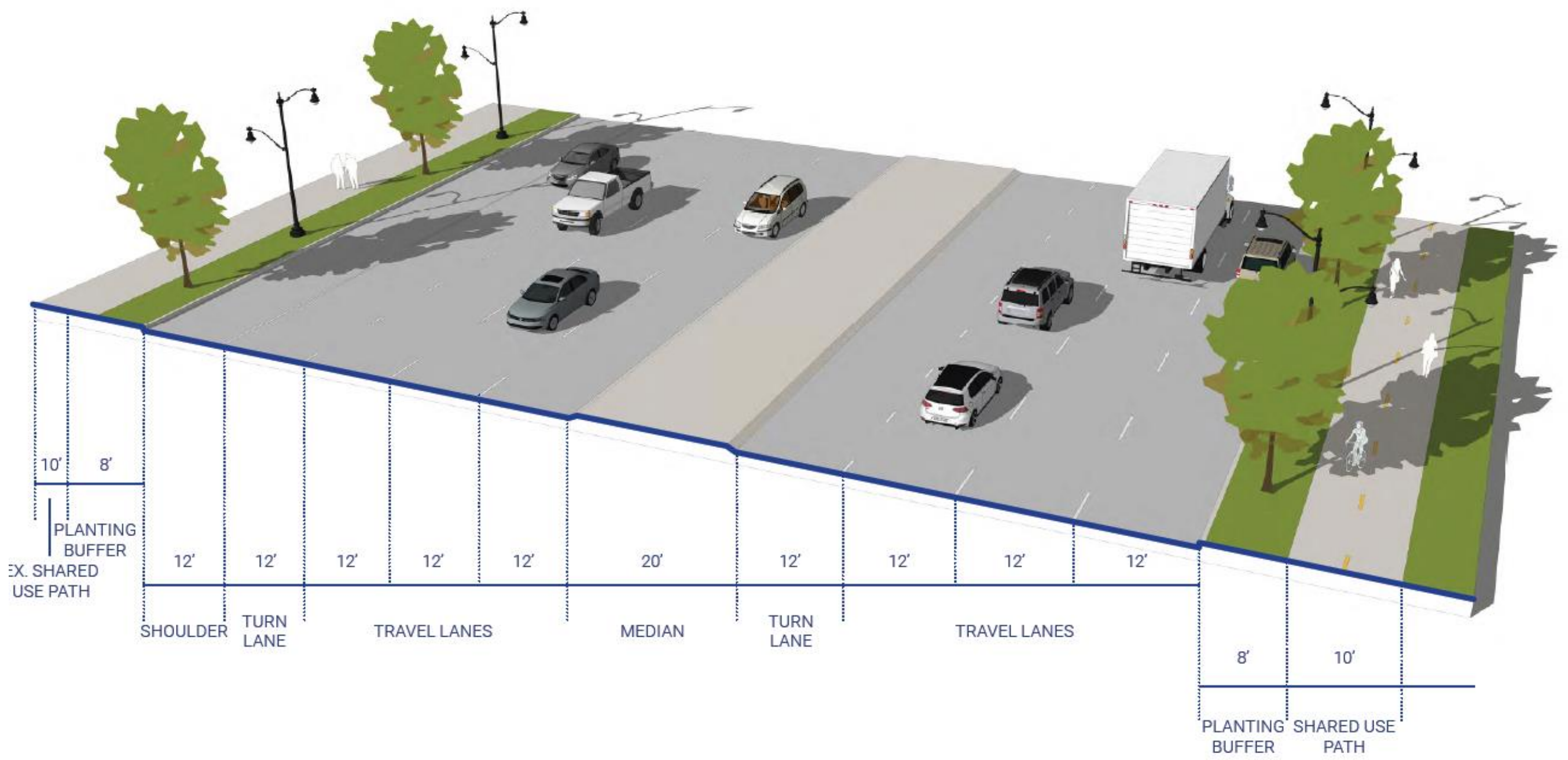
CONCORD PIKE
From Murphy Road to Independence Mall

Beaver Valley

Naamans

Rocky Run

Silverside

Florence

Fairfax

Murphy

Powder Mill

Independence Mall