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**City of Show Low**

# Trails Master Plan

Adopted by City Council on September 9, 2008 as Resolution No. 2008-39.

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**MULTI-USE TRAILS      NEIGHBORHOOD TRAILS**  
**CITY TRAILS      EQUESTRIAN TRAILS      OHV TRAILS**

# **City of Show Low Trails Master Plan**

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## A. Administration

1. **Title:** These regulations shall be known as the City of Show Low Trails Master Plan, may be cited as such, and will be referred to herein as “this Master Plan”.
2. **Purpose:** The purpose of this Master Plan is to establish a trails system which connects neighborhoods to the larger trail system, provide a link to recreation opportunities, and offers an alternative mode of transportation for the residents of Show Low.
3. **Applicability:** New development shall incorporate trails indicated running through the property by the City of Show Trails Master Plan into their development. New development adjacent to a trail as indicated by this Master Plan, shall provide a connection to the trail system. A subdivision trails plan is required at the time of a preliminary plat (requirements are outlined in Chapter 12, Land Division Ordinance of the City of Show Low). A Subdivision Trails Plan may be substituted for sidewalks regardless of average lot size in Planned Unit Developments. All trails required as part of the City Trails Master Plan shall be dedicated to the public.
4. **Administration:** The Planning and Zoning Director is hereby authorized to receive, process, and otherwise act upon Subdivision Trails Master Plans and Trails Master Plans in accordance with these regulations. The City planning and zoning commission and city staff are hereby designated as advisory agents to the Director and to the city council and are charged with the duty of investigating and reporting upon matters referred to them in accordance with these regulations.

**B. Design Standards Table.**

Type	Width	Surface <sup>1</sup>	Clearance	User Traffic	Location	User Type
Multi-Use Trail	10'	Hard <sup>2</sup>	10'	High	Along collector roads	Pedestrians, bicyclists, in-line skaters, wheel chair users
City Trail	5'-6'	Improved	8'	Moderate	Not located along collector roads	Pedestrians & bicyclists
Neighborhood Trail	4'-5'	Natural	8'	Low	Connects a neighborhood to the larger trail system.	Pedestrians & bicyclists
Bicycle Lane	4'-6'	Hard <sup>2</sup>	8'-10'	High	Along State Highways in accordance with the City of Show Low Trails Master Plan.	Bicyclists only
Bicycle Route	3'-5'	Hard <sup>2</sup>	8'	Moderate	Along local roads in accordance with the City of Show Low Trails Master Plan.	Bicyclists only
Equestrian Trail	4'-5'	Natural	12'	Moderate	In remote areas, in accordance with the City of Show Low Trails Master Plan.	Equestrians only
OHV Trail <sup>6</sup>	4.5'	Improved	8'	Moderate	In accordance with the City of Show Low Trails Master Plan.	OHVs only

Updated 8-27-08

<sup>1</sup>Minimum surface requirement; may be upgraded.

<sup>2</sup>Hard Surface - Concrete minimum of 4" or asphalt material minimum of 2.5 inches over a 4 inch ABC-compacted base.

<sup>3</sup>Natural Surface - Delineated Surface consisting of highly-compacted native materials.

<sup>4</sup>Improved Surface - 4 inch thick aggregate surface compacted to 95% over a 6 inch thick dirty cinder/native sub-grade compacted to 90%.

<sup>5</sup>Collector Road - Any road indicated as a collector by the City's Transportation Master Plan or as determined by the city.

<sup>6</sup>Maximum trail width of 56 inches at any OHV trail entry point, pullouts shall be provided every 500 feet. In addition, methods shall be placed at all potential vehicle access points limiting width to 56 inches.

<sup>7</sup>All trails installed as part of a subdivision shall meet infrastructure warranty requirements current at the time of subdivision acceptance.

**C. Trail Standards:** All trails shall have a minimum roadway separation of three (3) feet measured from the back of the curb to the trail edge. Trail gradient shall be limited to a maximum of twelve percent (12%) for all trail types. In addition all trail types shall incorporate a maximum cross slope of one to two percent (1-2%) to promote drainage and prevent water from collecting on the trail pathway. (See Appendix 1A-1G for trail cross sections).

**1. Multi-Use Trails:**

- a. Location- Along collector roads or as otherwise designated by the Planning and Zoning Director
- b. Surface- Hard, such as concrete or asphalt with a minimum of two-and-a-half (2.5) inches over a four (4) inch ABC compacted base.
- c. Width- Ten (10) feet.
- d. Clearance- Ten (10) feet.
- e. Traffic Level- High.
- f. User Type- Pedestrians, bicyclist, in-line skaters, and wheel chair users.

**2. City Trail:**

- a. Location- Segments which are not located along collector roads.
- b. Surface- Improved, which consists of a four (4) inch aggregate surface, compacted to ninety-five percent (95%) over a six (6) inch thick dirty cinder/native sub-grade compacted to ninety percent (90%).
- c. Width- Five to Six (5-6) feet.
- d. Clearance- Eight (8) feet.
- e. Traffic Level- Moderate.
- f. User Type- Pedestrians and bicyclists.

**3. Neighborhood Trail:**

- a. Location- Segments that connect a neighborhood to the larger trail system.

- b. Surface- Natural, delineated from the surrounding landscape, consisting of highly compacted native materials.
- c. Width- Four to five (4-5) feet.
- d. Clearance- Eight (8) feet.
- e. Traffic Level- Low.
- f. User Type- Pedestrians and bicyclists.

#### 4. **Bicycle Lane**

- a. Location- Along State Highways in accordance with the City of Show Low Trails Master Plan.
- b. Surface- Hard, indicated by signs, and delineated with a solid six (6) inch white stripe, in accordance with MUTCD standards.
- c. Width- Four to six (4-6) feet.
- d. Clearance- Eight to ten (8-10) feet.
- e. Traffic Level- High
- f. User Type- Bicyclists Only

#### 5. **Bicycle Route**

- a. Location- Along local roads in accordance with the City of Show Low Trails Master Plan.
- b. Surface- Hard, indicated by signs, in accordance with MUTCD standards.
- c. Width- Three to five (3-5) feet.
- d. Clearance- Eight (8) feet
- e. Traffic Level- Moderate
- f. User Type- Bicyclists Only

#### 6. **Equestrian Trail:**

- a. Location- Located in remote areas, in accordance with the City of Show Low Trails Master Plan.
- b. Surface- Natural, delineated from the surrounding landscape, consisting of highly compacted native materials.
- c. Width- Four to five (4-5) feet.
- d. Clearance- Twelve (12) feet.
- e. Traffic Level- Moderate.
- f. User Type- Equestrians only.

**7. OHV Trail:**

- a. Location- In accordance with the City of Show Low Trails Master Plan.
- b. Surface- Improved, delineated from the surrounding landscape, consisting of highly compacted native materials.
- c. Width- Maximum trail width of four-and-a-half (4.5) feet at any OHV trail entry point, pullouts shall be provided every five hundred (500) feet. In addition methods shall be placed at all potential vehicle access points limiting the width to four-and-a-half (4.5) feet.
- d. Clearance- Eight (8) feet.
- e. Traffic Level- Moderate.
- f. User Type- OHVs only.

**D. Signage:** Signs shall meet MUTCD standards and shall be placed at all trail access points and trail intersections.

- 1. Four (4), six by six (6X6) inch trail user symbols shall be used to identify the permitted users of the trail. This shall be accomplished by crossing out the users that are not allowed, an additional sign shall be placed at the top which identifies the trail (see Appendix 2A-2E). These signs may be placed on the bollards which limit the width of the trail and prevent unauthorized vehicles from entering the trail.
- 2. Bike lane signs shall be placed along all bike lanes (see Appendix 2F).
- 3. Bike route signs shall be placed along all bike routes (see Appendix 2G).

4. Stop/yield signs shall be placed on the trail at all road crossings.
  - a. Signs shall be placed six (6) feet from a road crossing.
  - b. Signs shall be placed at a minimum of eighteen (18) inches from the trail edge.
5. Trailhead signs shall have the type of trail, trail name and distance, as well as include a map of the entire trail system and shall indicate the particular trail route in relation to the other trails.

**E. Trailheads:** Any major trail access for Equestrian or OHV trails, the point of beginning or ending of a trail shall provide a basic trailhead with limited parking; waste receptacles and trail information signage (as defined in section D, 3 of this document). Additional amenities may include portable restroom facilities, trail maps, drinking fountains, and seating area(s).

**F. Curb Ramps:** Shall be provided at curb edges on all trails.

1. For accessibility, curb ramps should meet or exceed all federal, state, and local ADA requirements. This includes;
  - a. Curb ramps shall be built to current MAG standards.
  - b. Curb ramps shall be conveniently located and minimize conflicts between trail users and vehicular traffic.

**G. Road Crossings:** All road crossings should be designed to be safe with the crossing clearly indicated to both trail users and motorists (see Appendix 3 for details).

1. In general trail crossings at intersections are favored over mid block crossings.
2. Motorists shall be warned with trail crossing signs (which meet MUTCD standards) at the appropriate distance for the speed limit listed below;
  - a. 0-25 mph- 100 feet
  - b. 26-39 mph- 150 feet
  - c. 40-49 mph- 300 feet
  - d. 50+ mph- 500 feet
3. The roadway shall be striped to indicate a crossing (striping shall meet current MAG Standards).

4. Bollards shall be placed at all trail entrances and shall meet City of Show Low Standards. The width between the bollards shall be determined by the trail type.

## H. Glossary of Terms

**Adjacent** - Next to or near, does not necessarily have to be touching.

**Bicycle** - A non motorized vehicle, propelled by human power, upon which a person rides, or may ride.

**Bicycle Lane** - A portion of a roadway that has been designated by striping, signing, and pavement markings for the preferential or exclusive use of bicyclists.

**Bicycle Route** - A shared right-of-way located on lightly traveled streets and roadways designated with appropriate "bike route" directional and informational signs.

**Bicyclist** - Any person traveling on a bicycle.

**Bollards** - A barrier post, used to block vehicular traffic at trail access points.

**City Trail** - An improved surface trail not located along collector roads. A city trail creates connections between trails in the City of Show Low Trails Master Plan.

**Clearance** - The vertical dimension, which must be cleared of all tree branches and other obstructions that would otherwise obstruct movement along the trail.

**Collector Road** - Any road indicated as a collector by the City's Transportation Master Plan or as determined by the city.

**Curb Ramp** - A cut in the curb which allows easy access to a trail, the curb ramp should be slightly wider than the width of the trail.

**Delineated** - To clearly indicate the edge of a trail.

**Equestrian** - Horses, horseback riding, riders and horsemanship.

**Equestrian Trail** - A natural surface trail solely for the use of equestrians.

**Gradient** - The degree of inclination or, the rate of ascent or descent of the length of a trail.

**MAG Standards** - Maricopa Association of Governments Standards as adopted by the City of Show Low.

**Multi-Use Trail** - A hard surface trail that is located along collector roads, used by pedestrians, bicyclists, in-line skaters and wheel chair users.

**MUTCD Standards** - Manual on Uniform Traffic Control Devices Standards.

**Native Materials** - Gravel, cinders, wood chips, or other similar material.

**Neighborhood** - A residential area of 12 or more houses.

**Neighborhood Trail** - A natural surface trail which connects individual neighborhoods or subdivisions to the larger trail system.

**OHV (Off Highway Vehicle)** - Any motorized vehicle, such as all terrain vehicles (ATVs), used for travel in areas normally considered inaccessible to conventional highway vehicles.

**OHV Trail** - An improved surface trail solely for the use of OHV vehicles.

**Pedestrian** - Any person traveling by foot.

**Skater** - A person traveling on any type of roller skates, including in-line skaters and skate boarders.

**Surface, Hard** - Concrete or asphalt material minimum of 2.5 inches over a 4 inch ABC compacted base.

**Surface, Improved** - 4 inch thick aggregate surface compacted to 95% over a 6 inch thick dirty cinder/native sub-grade compacted to 90%.

**Surface, Natural** - Delineated surface consisting of highly compacted, native materials.

**Trailhead** - The main point of beginning or ending of a trail.

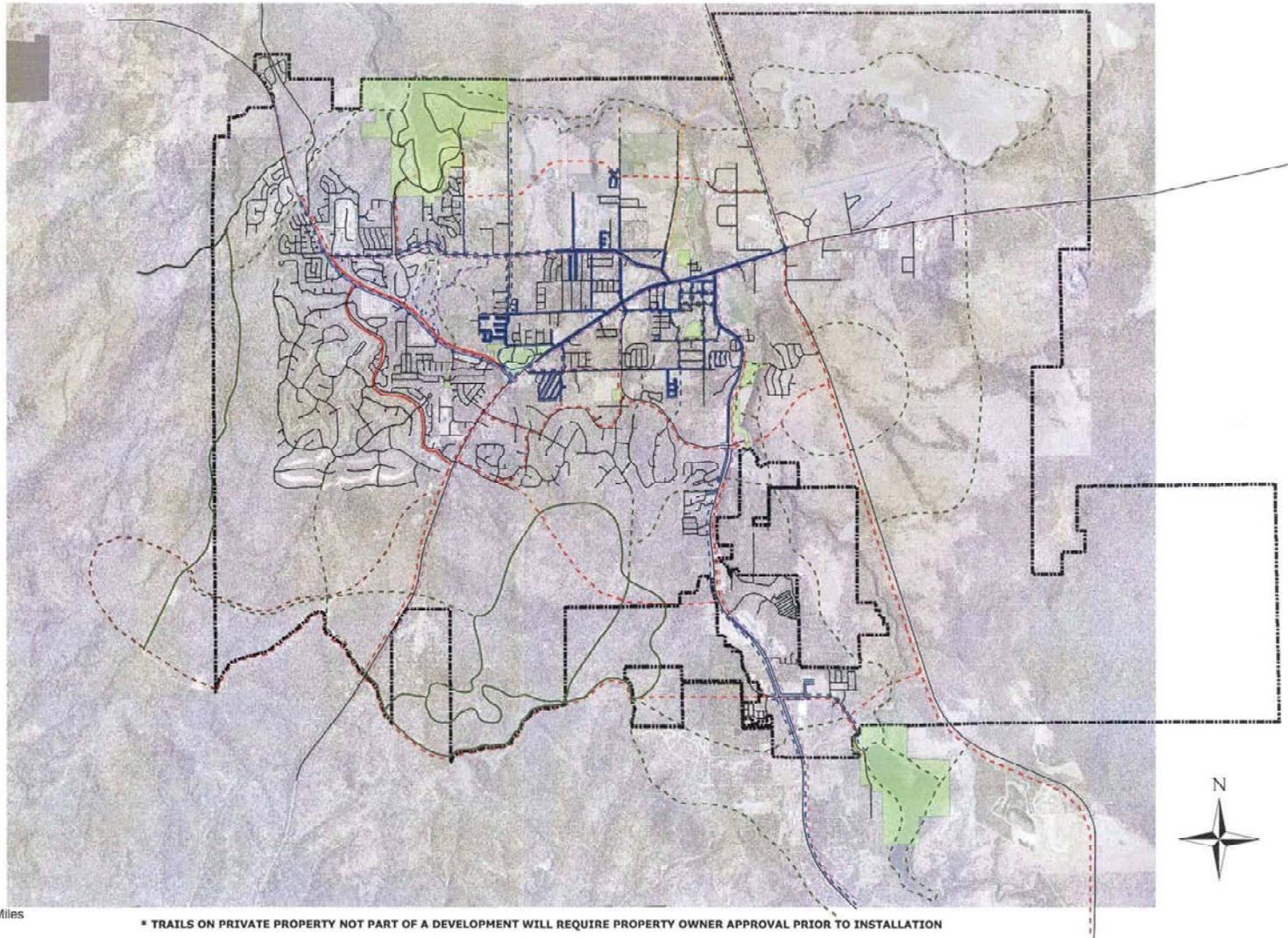
**Traffic Level, High** - A trail which provides access to fifty or more homes.

**Traffic Level, Low** - A trail which provides access to twelve homes or less.

**Traffic Level, Moderate** - A trail which provides access to between thirteen and forty-nine homes.

# Appendix 1

## City Of Show Low Trails Master Plan



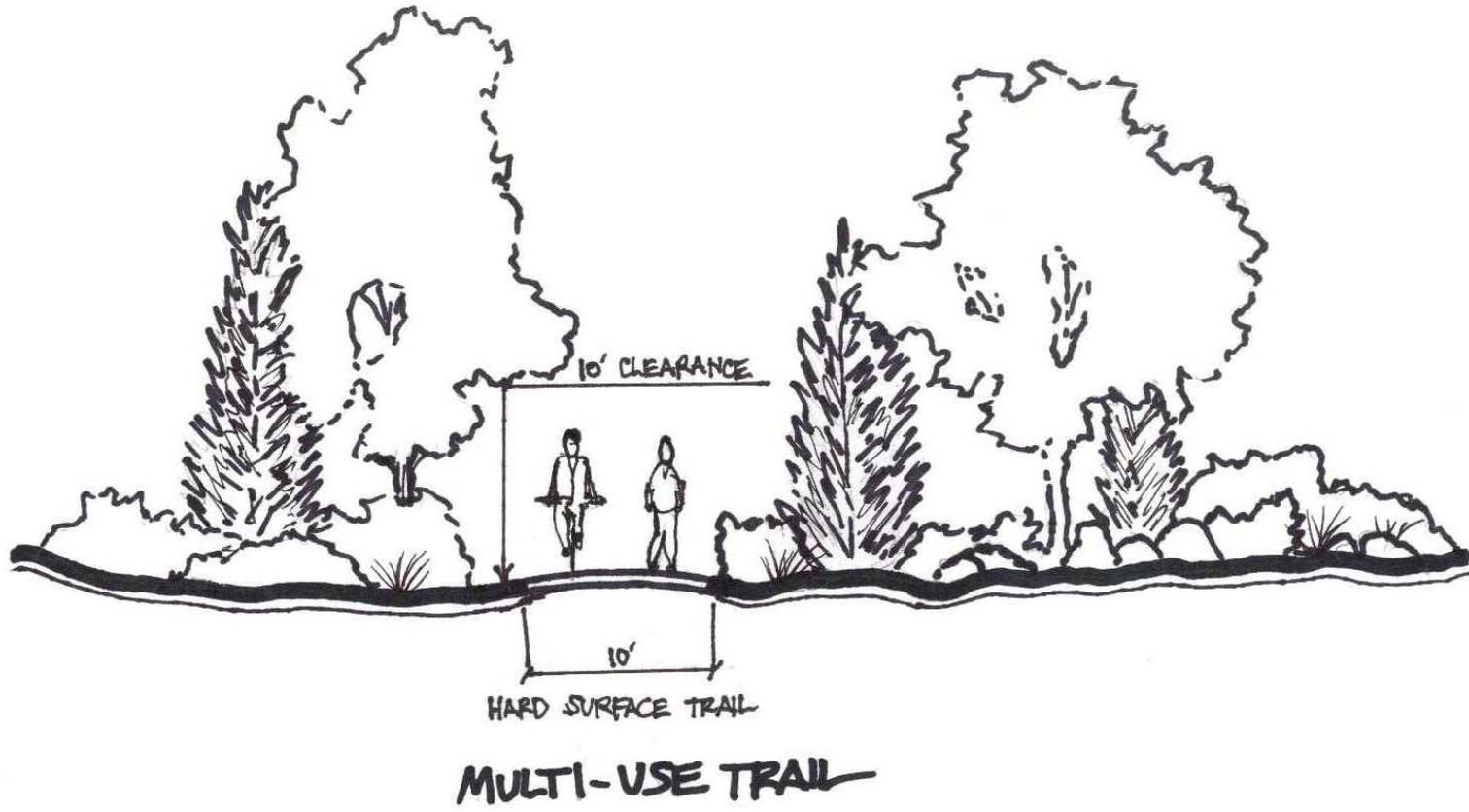
### Legend

-  PARKS
-  EXISTING SIDEWALK
-  PROPOSED SIDEWALK
-  EXISTING MULTI-USE
-  PROPOSED MULTI-USE
-  EXISTING TRAIL
-  PROPOSED TRAIL
-  PROPOSED BIKE ROUTE
-  PROPOSED MOTORIZED
-  PROPOSED EQUESTRIAN

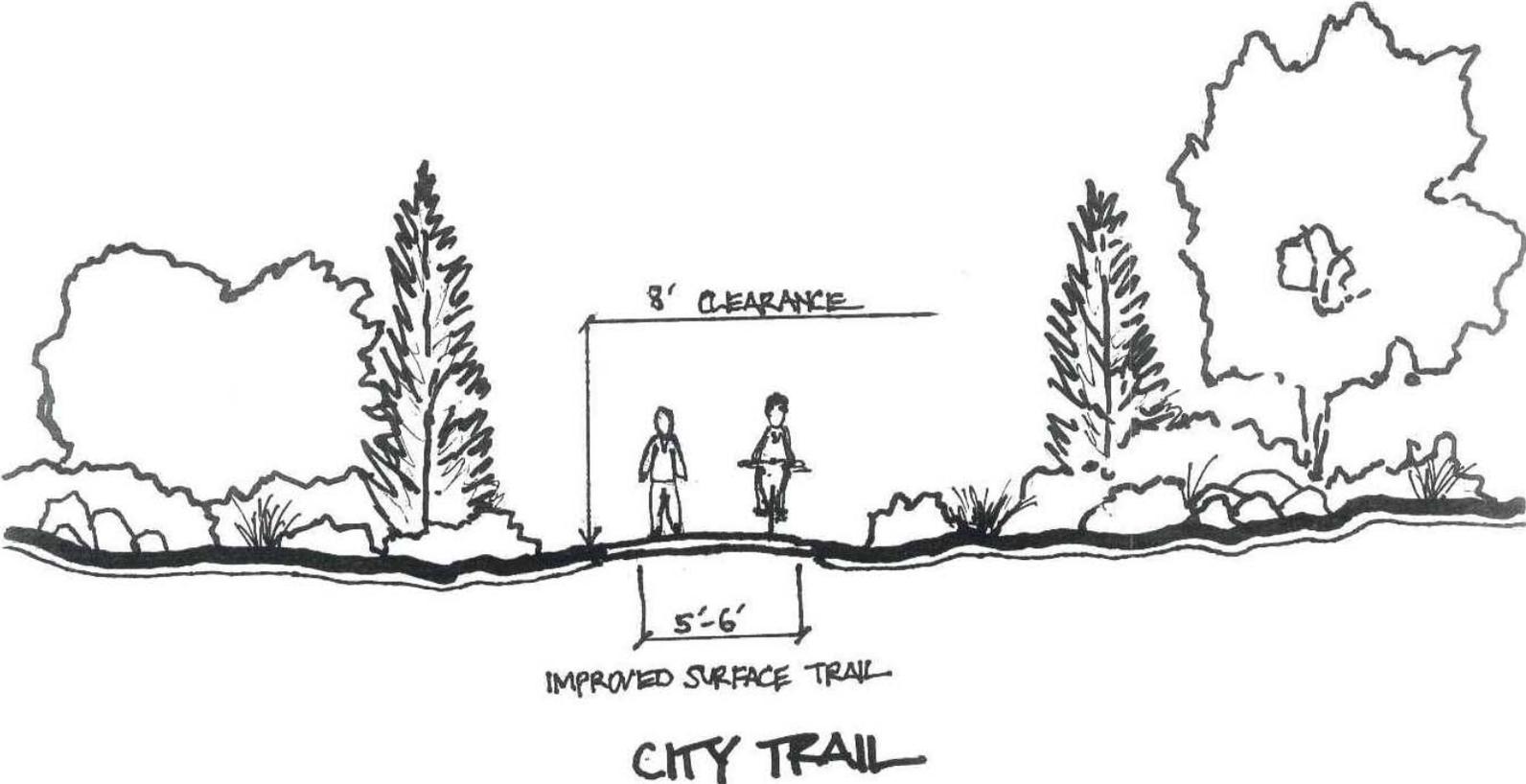
0 0.5 1 2 Miles

\* TRAILS ON PRIVATE PROPERTY NOT PART OF A DEVELOPMENT WILL REQUIRE PROPERTY OWNER APPROVAL PRIOR TO INSTALLATION

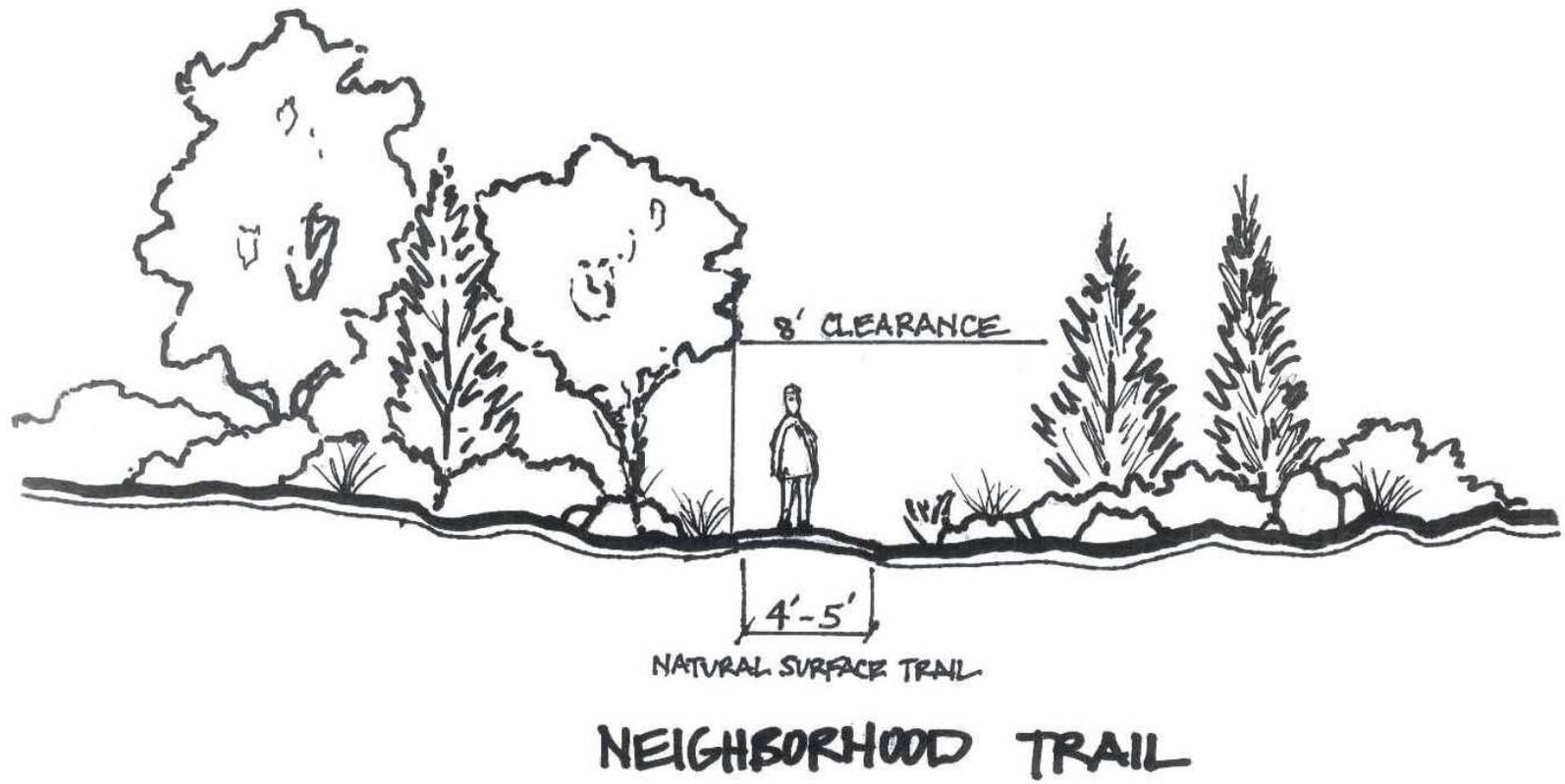
Appendix 1A



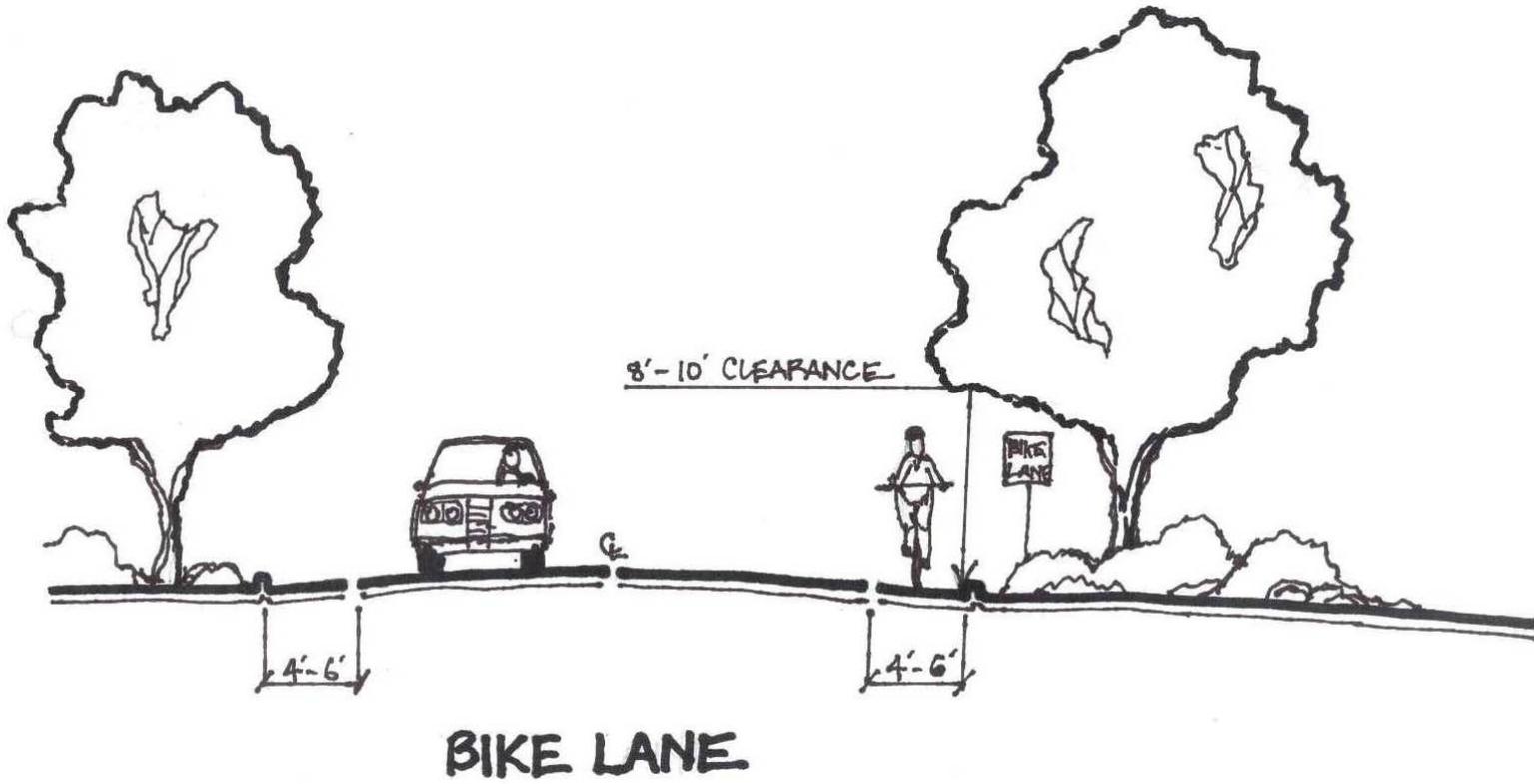
Appendix 1B



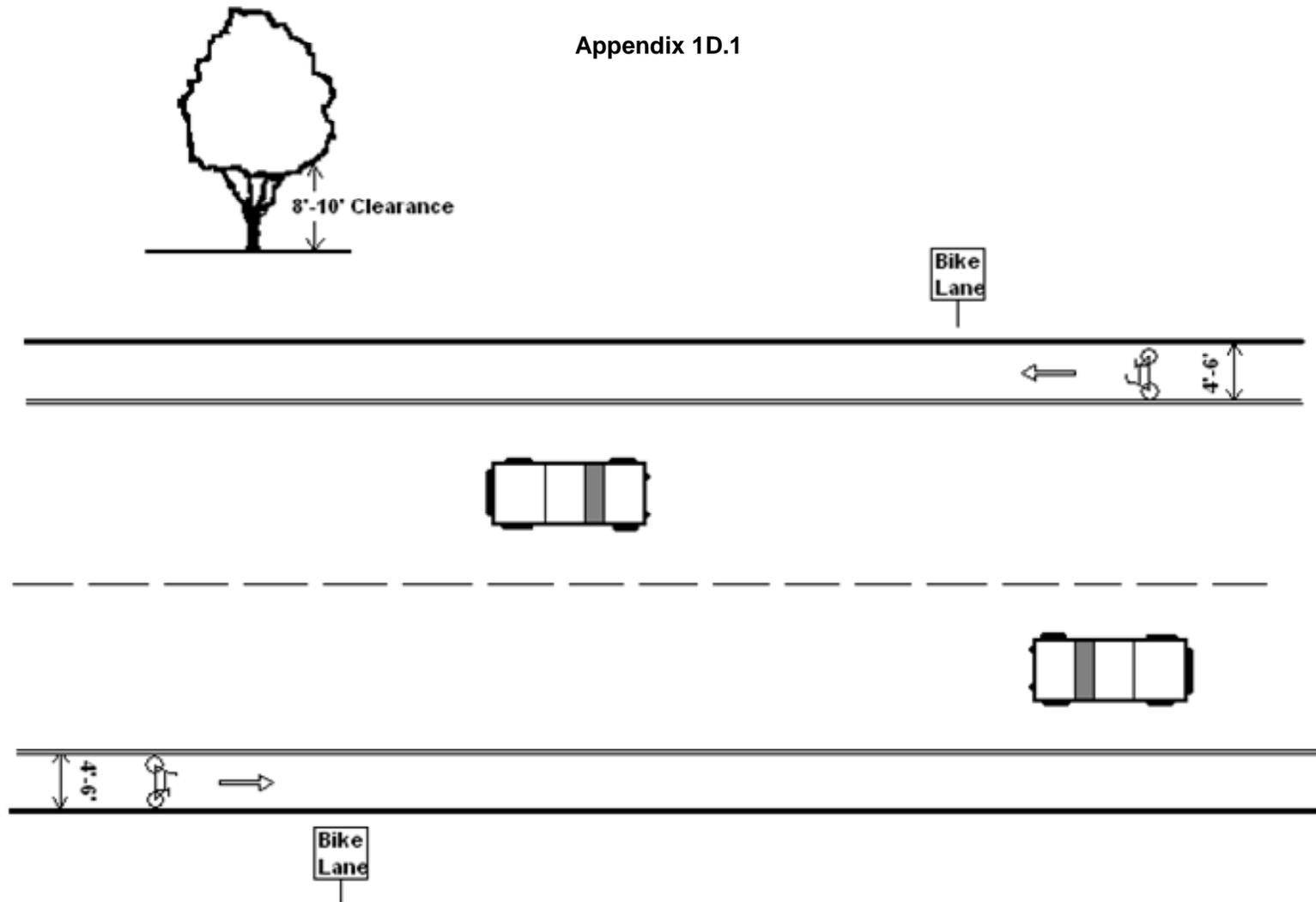
Appendix 1C



Appendix 1D



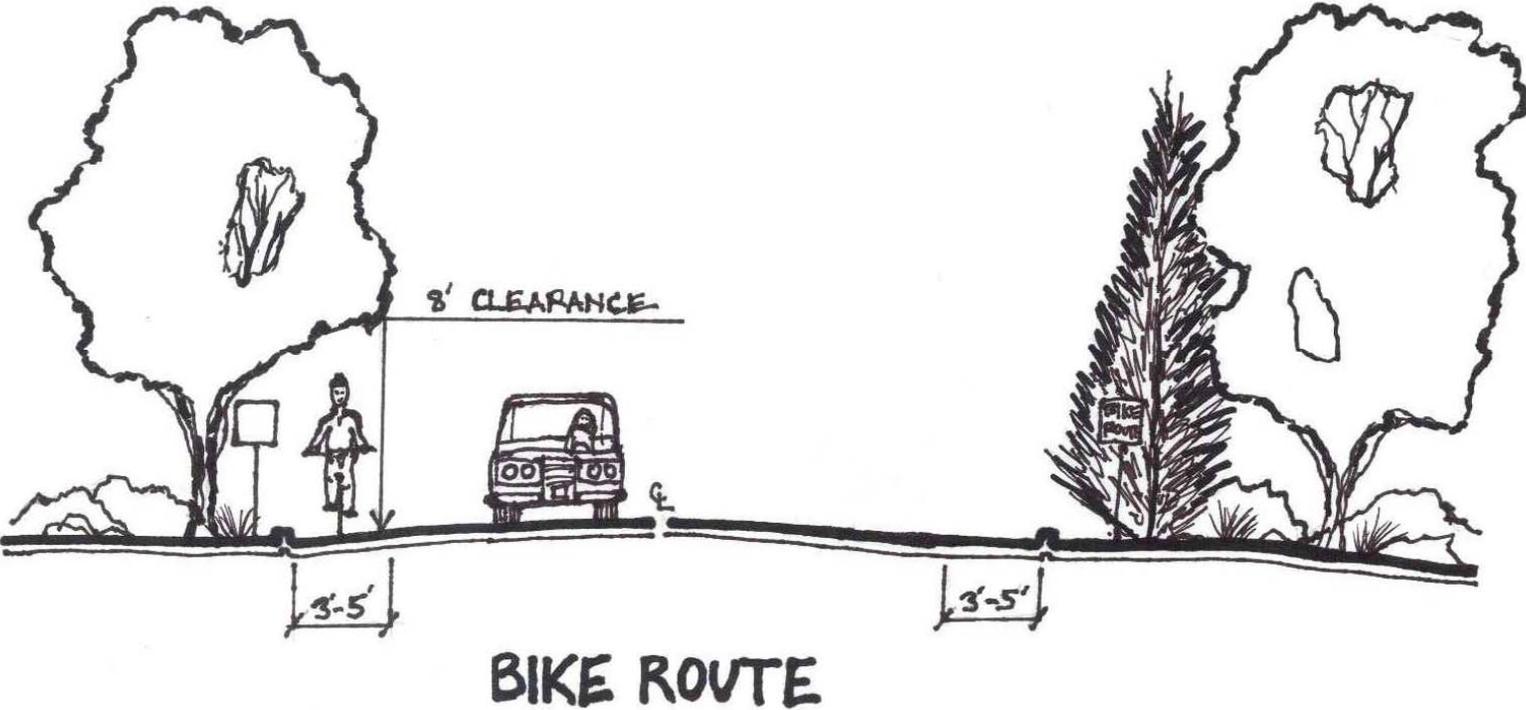
Appendix 1D.1



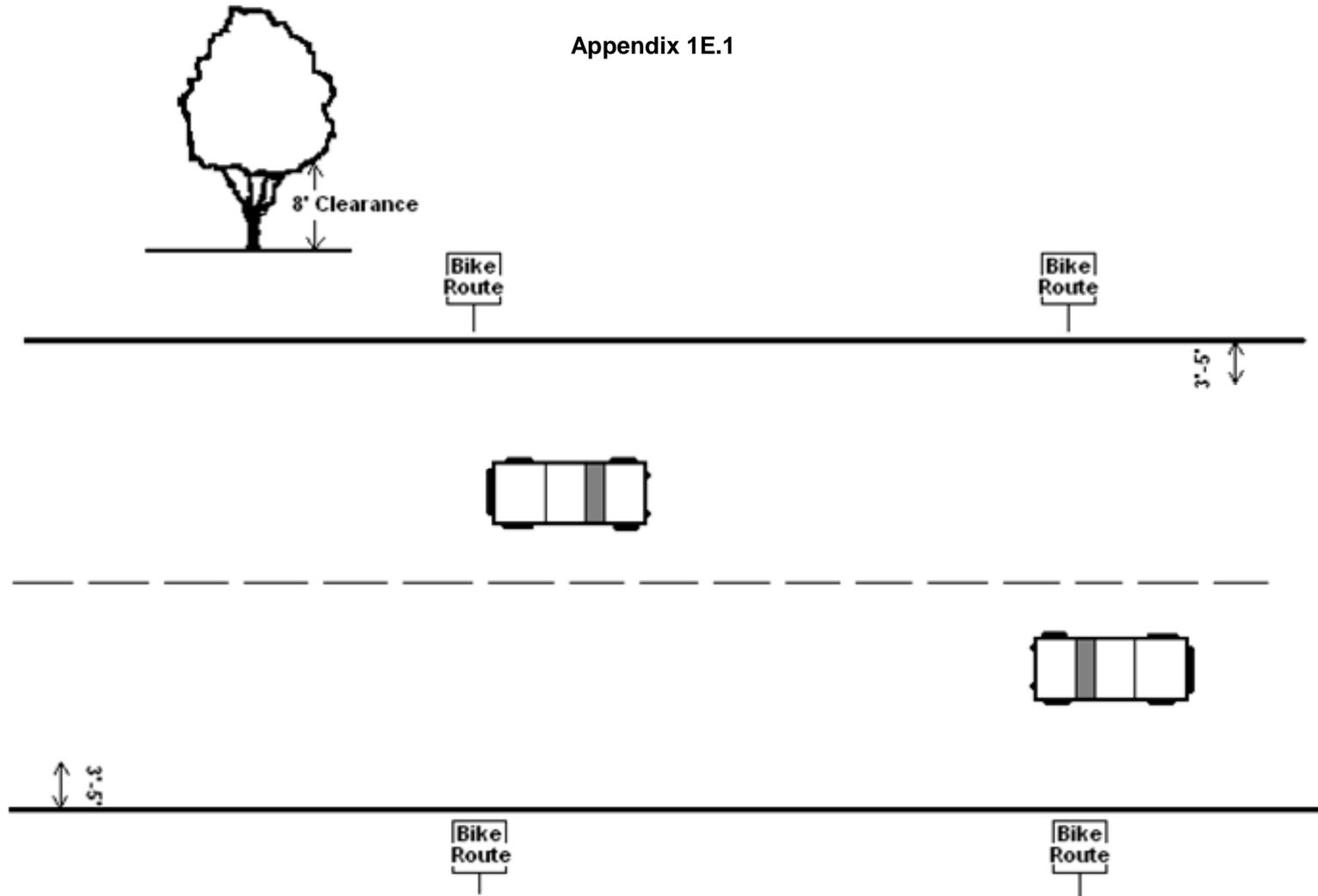
**BIKE LANE**

**Not To Scale**

Appendix 1E



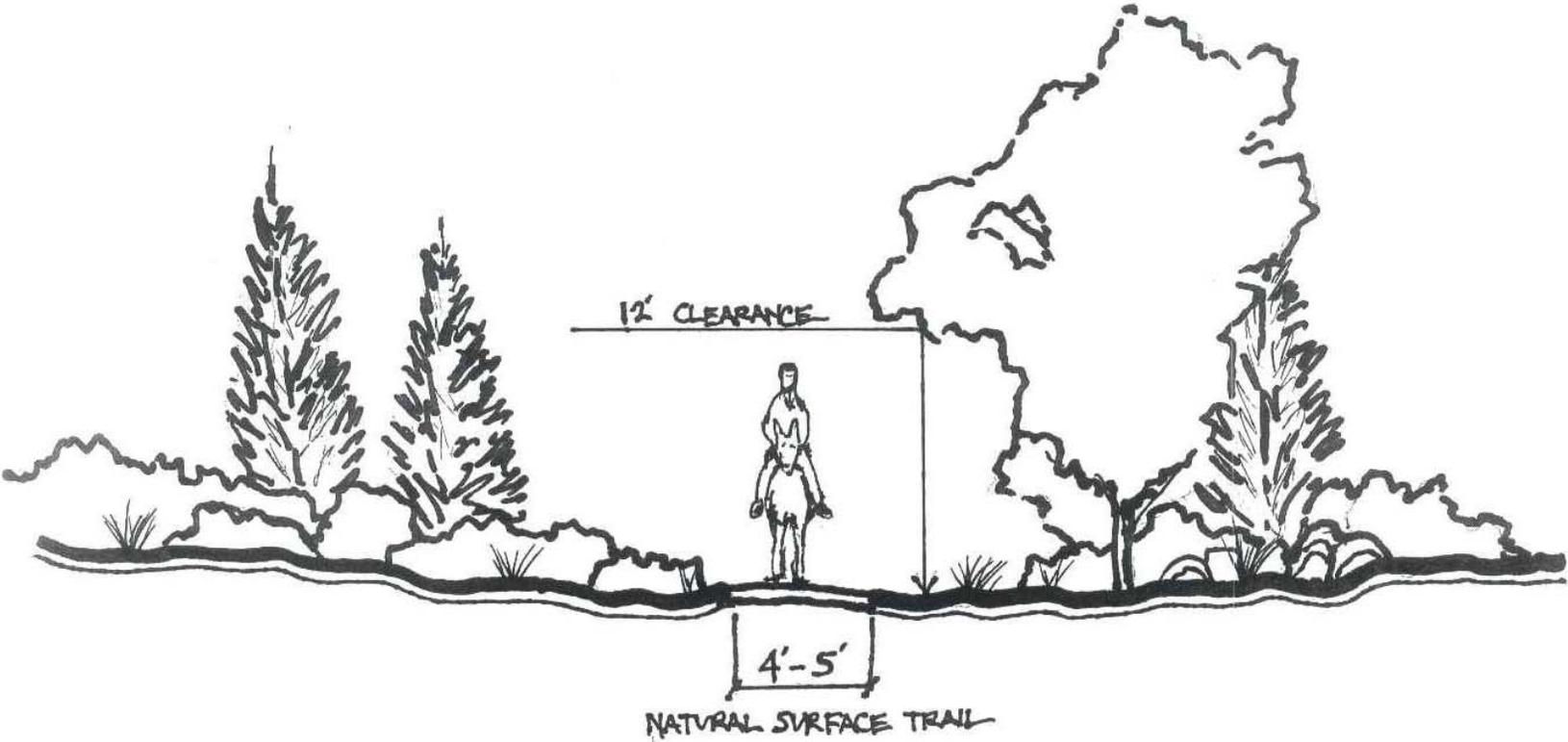
Appendix 1E.1



**BIKE ROUTE**

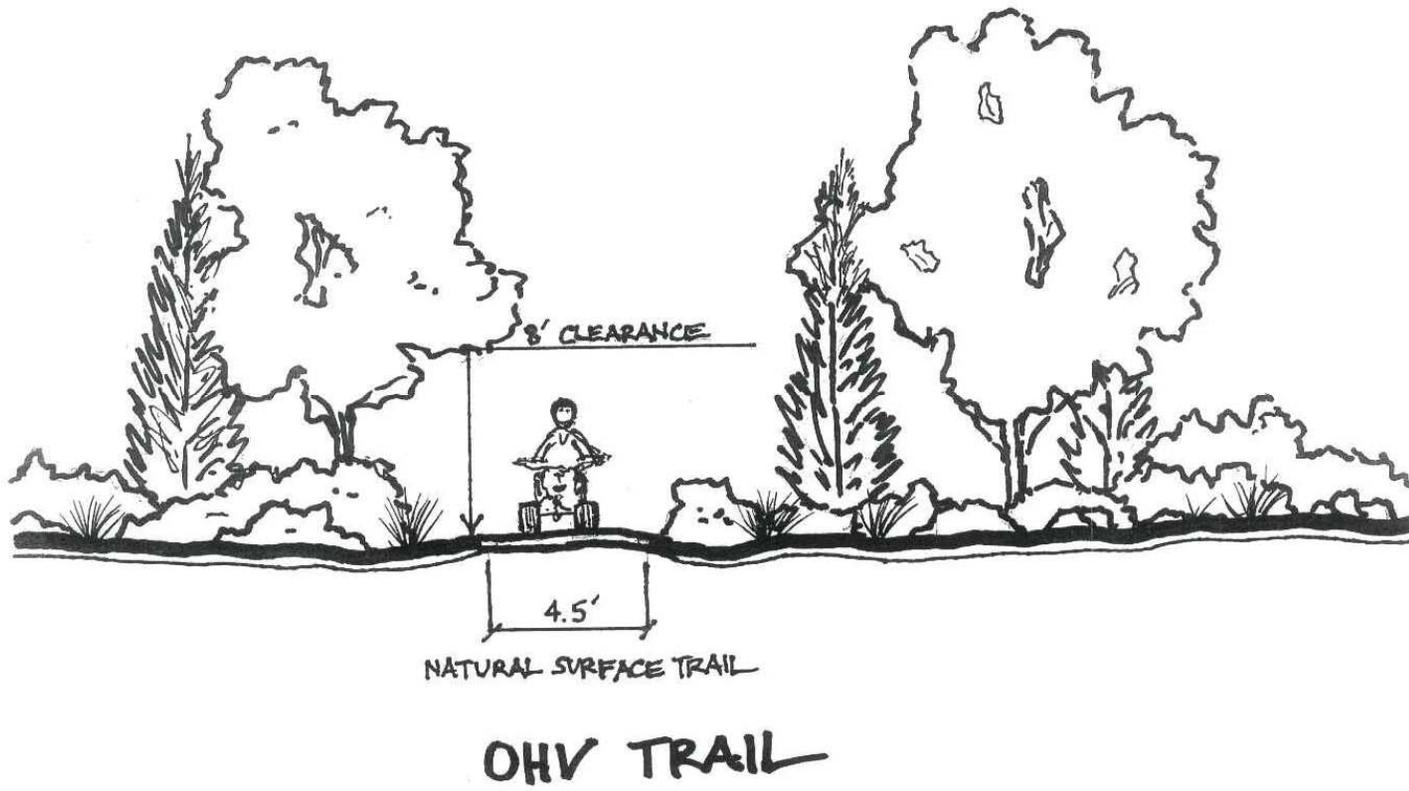
Not To Scale

Appendix 1F



EQUESTRIAN TRAIL

Appendix 1G



## Appendix 2

Appendix 2A

### MULTI-USE TRAIL



Appendix 2B

### NEIGHBORHOOD TRAIL



Appendix 2C

### CITY TRAIL



Appendix 2D

### EQUESTRIAN TRAIL



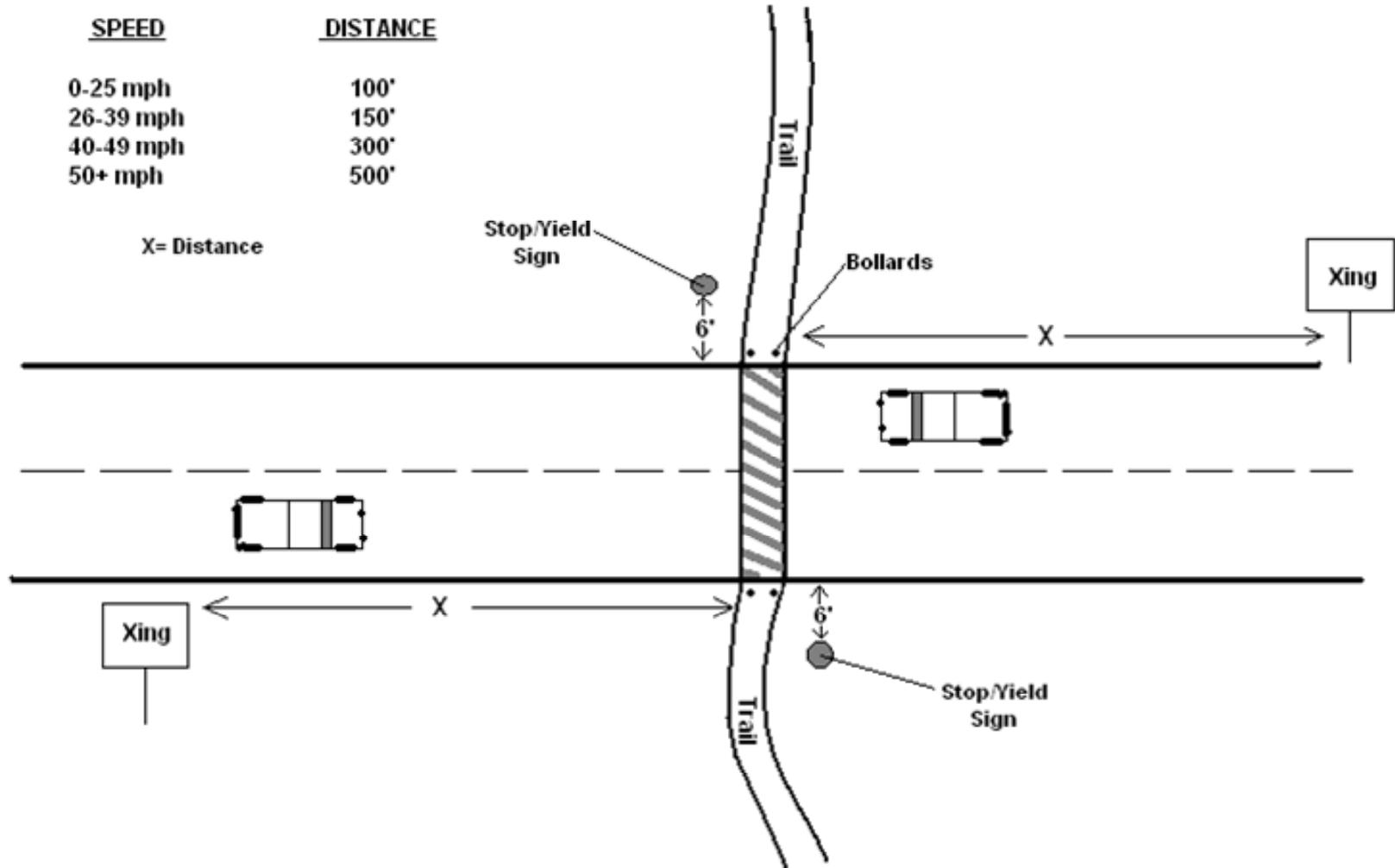
**OHV TRAIL**



Appendix 2G



### Appendix 3



**TRAIL CROSSING DETAIL**

Not To Scale