

# Appendix I - Street Cross-Sections

## Understanding Rosslyn Street Cross-Sections

Twenty-five street cross-sections were created for the Rosslyn Multimodal Transportation Study. In some cases, alternative cross-sections have been prepared for a particular street. The location of each street cross-section can be found on the adjacent map.

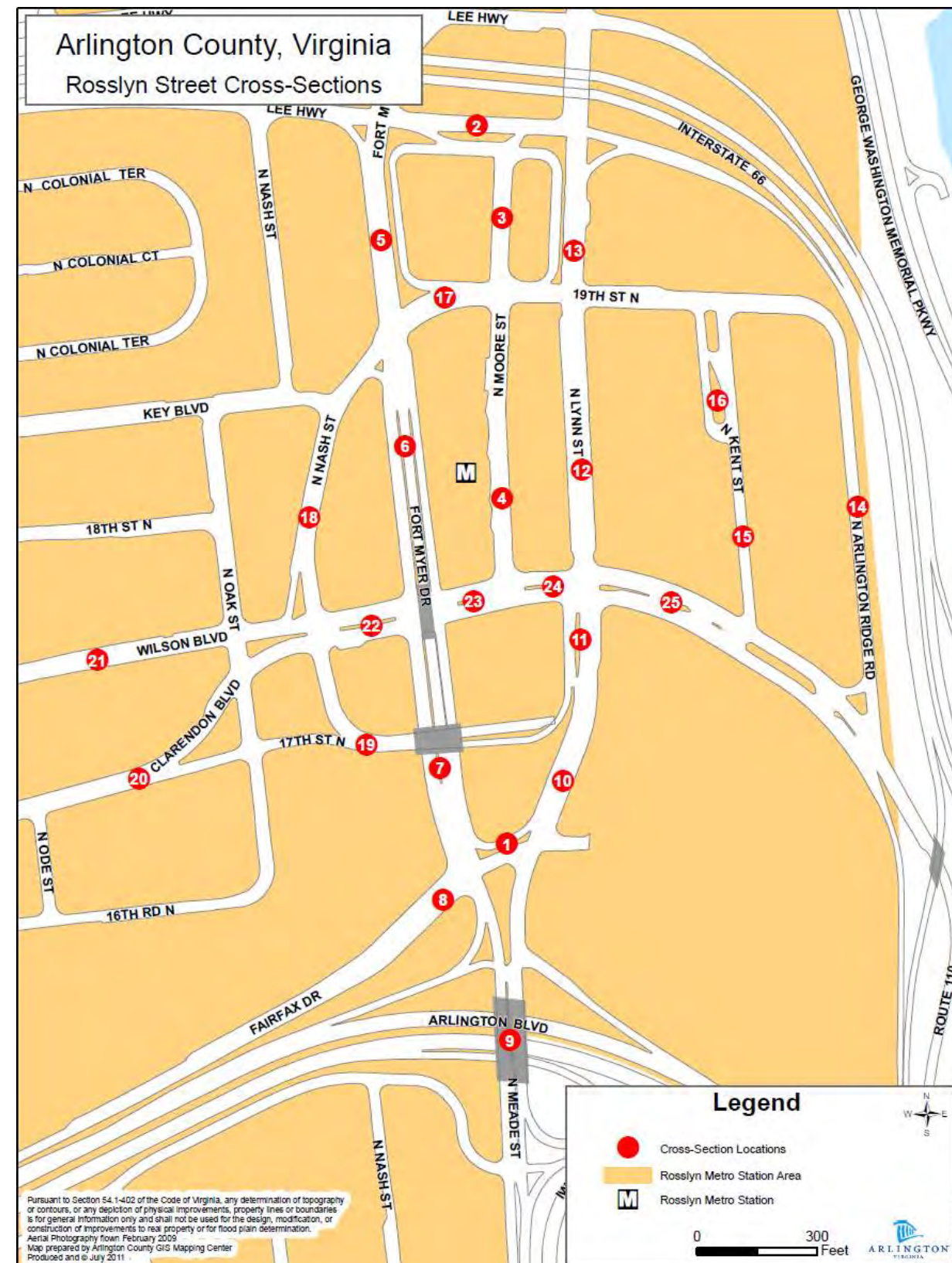
Each proposed street cross-section is made up of a combination of the following elements:

- Width of sidewalk
- Street trees
- Location of parking lanes / Width of parking lanes
- Location of bike lanes / Width of bike lanes
- Number and direction of travel lanes
- Width of travel lanes
- Location of medians / Width of medians
- Total width between back-of-sidewalk and back-of-sidewalk
- Total street width (curb-to-curb)

The following guidelines were used to determine the appropriate widths of various transportation facilities:

- Minimum 6-foot wide sidewalk clear-widths. Most should be 8- to 12-foot wide,
- 5 to 6-foot wide bicycle lanes
- 10 to 11-foot wide travel lanes. Curb lanes with bus or significant volumes of truck traffic should generally be 11-foot wide (12.5 feet if you include curb and gutter)
- 7-to 8-foot wide parallel parking lanes
- Median pedestrian refuges (minimum six-feet in width)

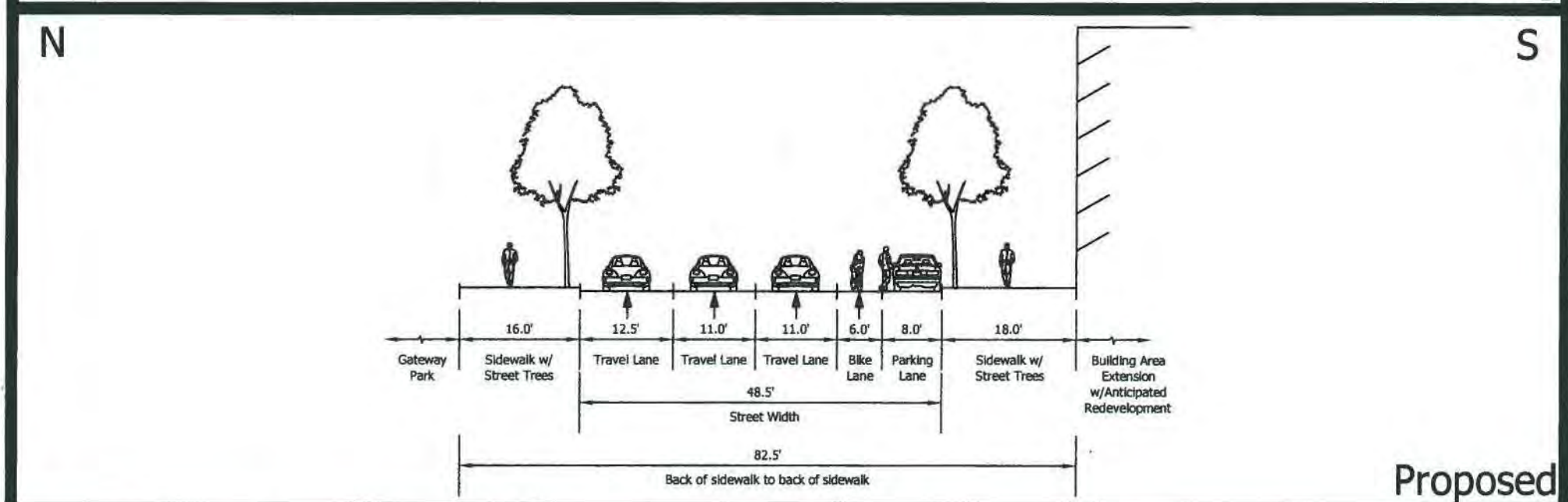
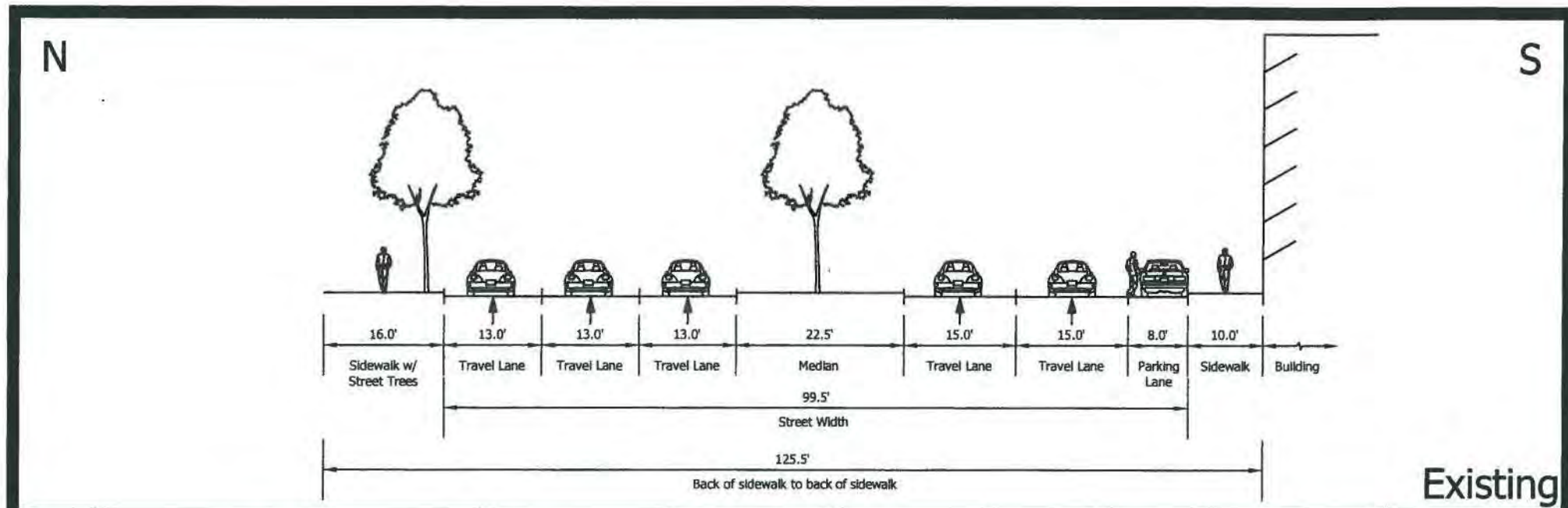
Please note that a majority of the proposed street cross-sections were designed to work within existing right-of-way constraints (back-of-sidewalk to back-of-sidewalk). Adjustments to total width of the right-of-way (back-of-sidewalk to back-of-sidewalk) were generally only made where redevelopment of adjacent development was considered likely to occur. Some cross-sections may require significant land redevelopment or other physical changes in order to permit full implementation. Therefore it is likely that improvements would need to be made on some streets in an incremental manner.





**Street Cross-Section 2: EB Lee Highway (Between Fort Myer Drive and Lynn Street)**

- Reduce width of travel lanes
- Add bike lane and parking lane along the south side of Lee Highway
- Remove median and service road associated with Rosslyn Gateway development
- Increase width of sidewalk along the south side of Lee Highway and add street trees
- Reduce width of right-of-way with redevelopment of Rosslyn Gateway



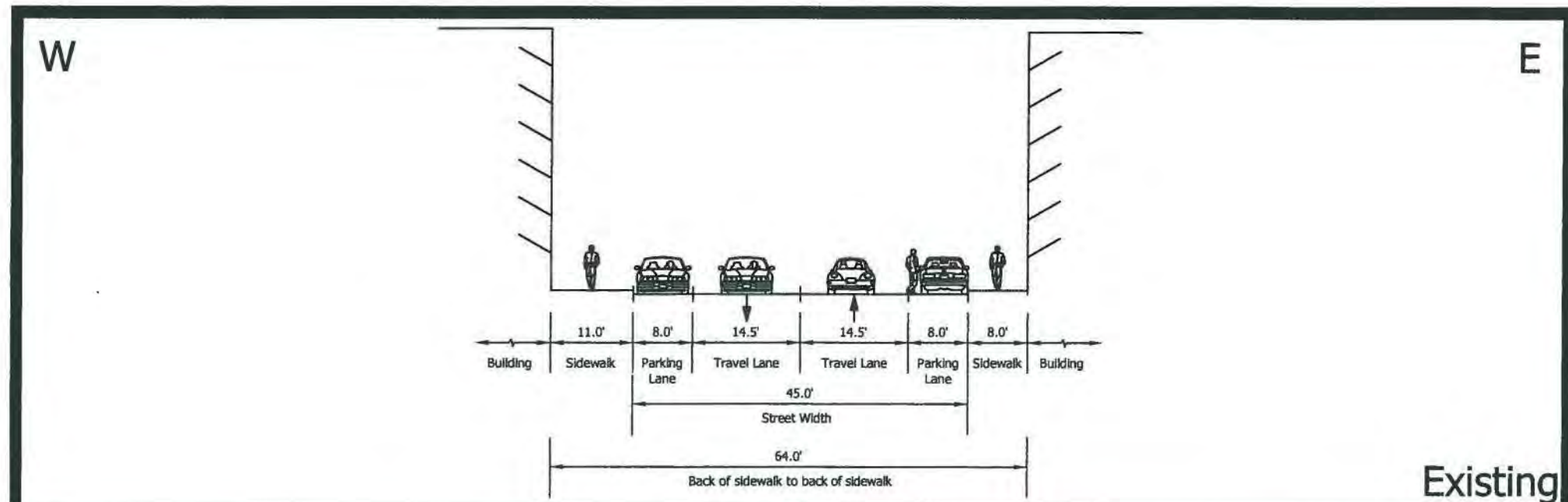
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**EAST BOUND LEE HWY**  
**Street Cross Section**  
**From Fort Myer Drive to Lynn Street**

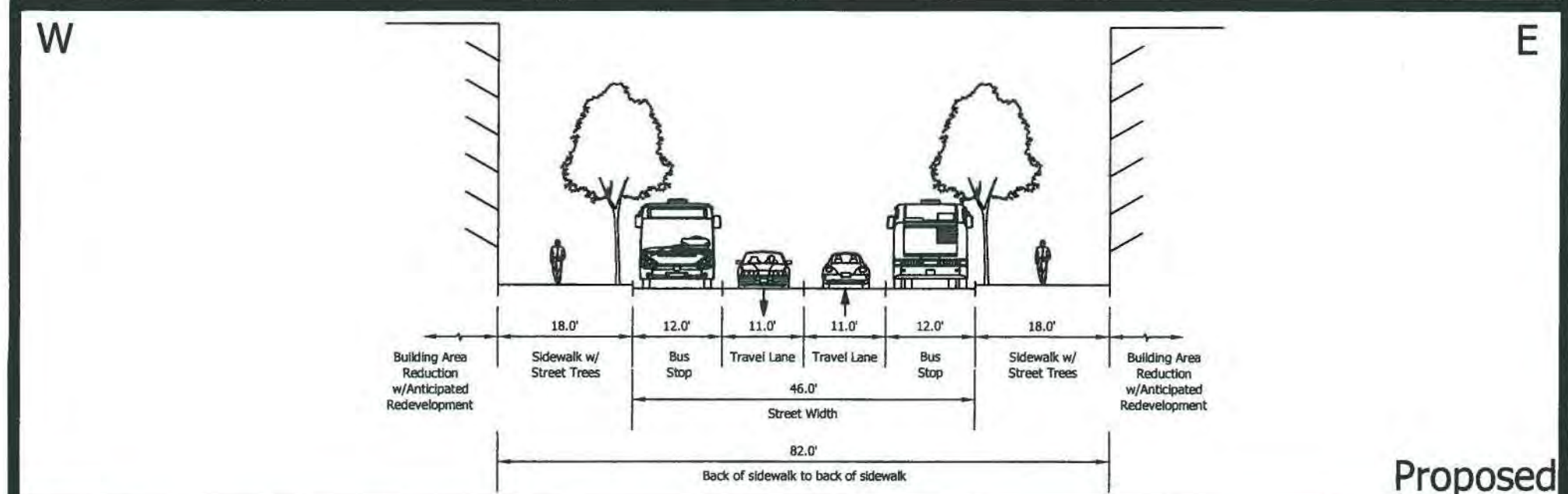


**Street Cross-Section 3 & 3A: North Moore Street (Between 19<sup>th</sup> Street and EB Lee Highway)**

- Option A – Bus Focus
  - Reduce width of travel lanes
  - Increase width of back-of-sidewalk to back-of-sidewalk with redevelopment of Rosslyn Gateway
  - Increase width of sidewalk on both sides of N. Moore Street and add street trees
  - Increase width of parking lanes on both sides of N. Moore Street to accommodate bus stops



Existing



Proposed

  
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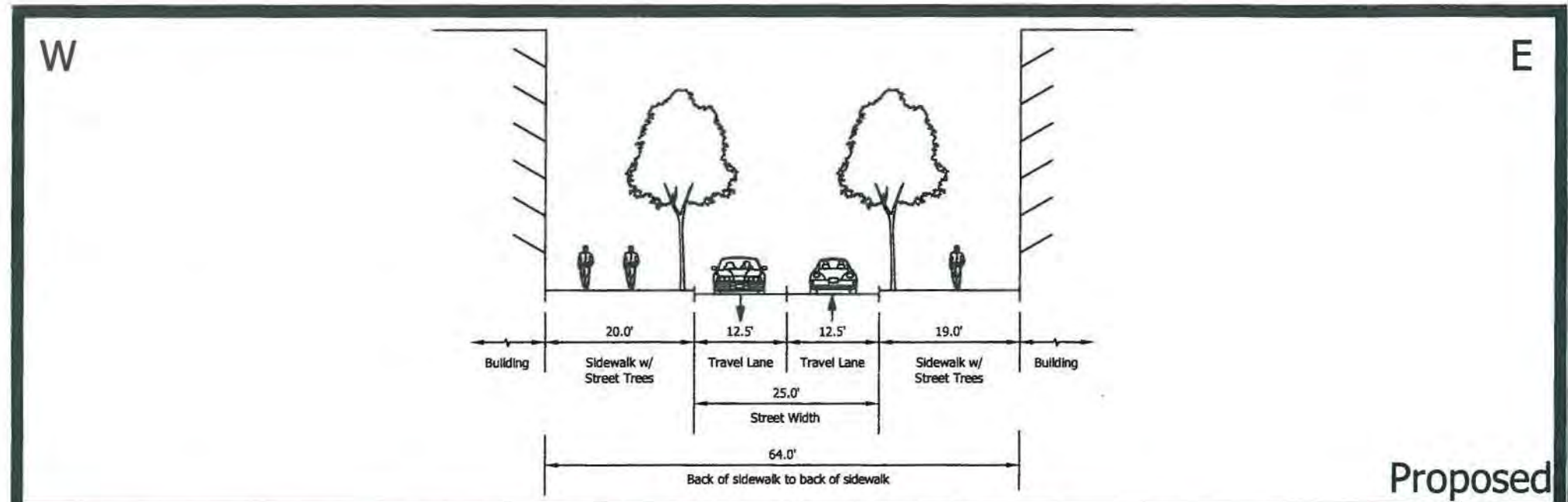
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**NORTH MOORE STREET**  
**Street Cross Section**  
**From 19th Street to Lee Hwy (Bus Focus) 3&3A**

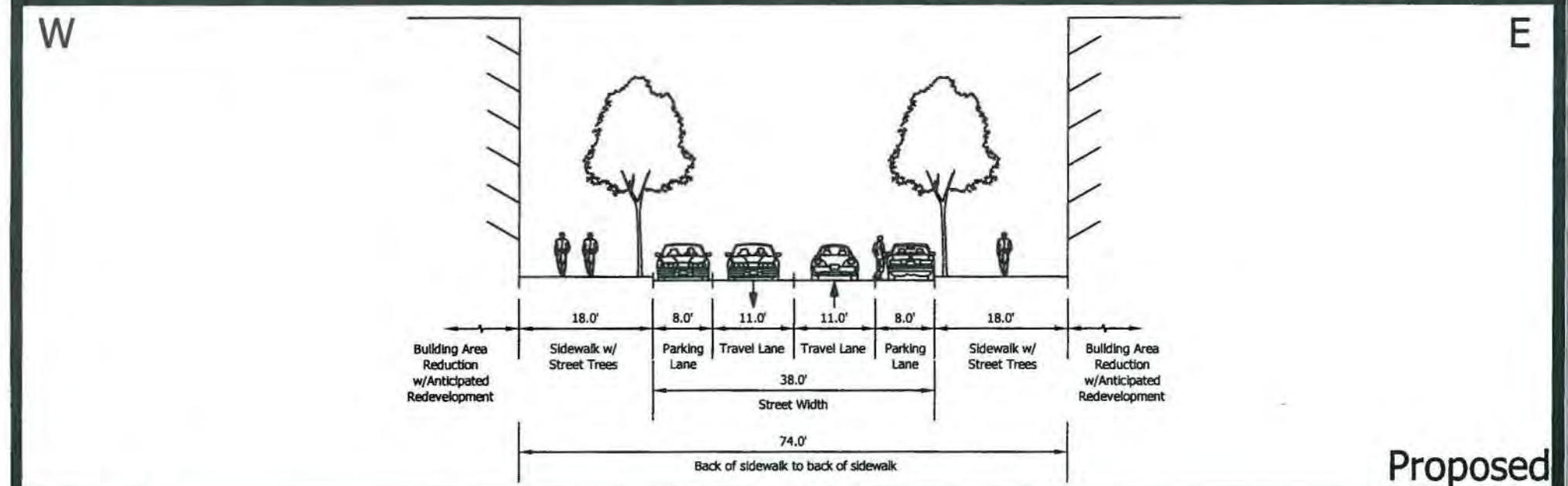


**Street Cross-Section 3B & 3C: North Moore Street (Between 19<sup>th</sup> Street and EB Lee Highway)**

- Option B – Festival Street Without Parking
  - Reduce width of travel lanes
  - Increase width of sidewalk on both sides of N. Moore Street and add street trees
  - Remove on-street parking
- Option C – Festival Street With Parking
  - Reduce width of travel lanes
  - Increase width of back-of-sidewalk to back-of-sidewalk with redevelopment of Rosslyn Gateway
  - Increase width of sidewalk on both sides of N. Moore Street and add street trees
  - Provide parking on both sides of N. Moore Street



Proposed



Proposed



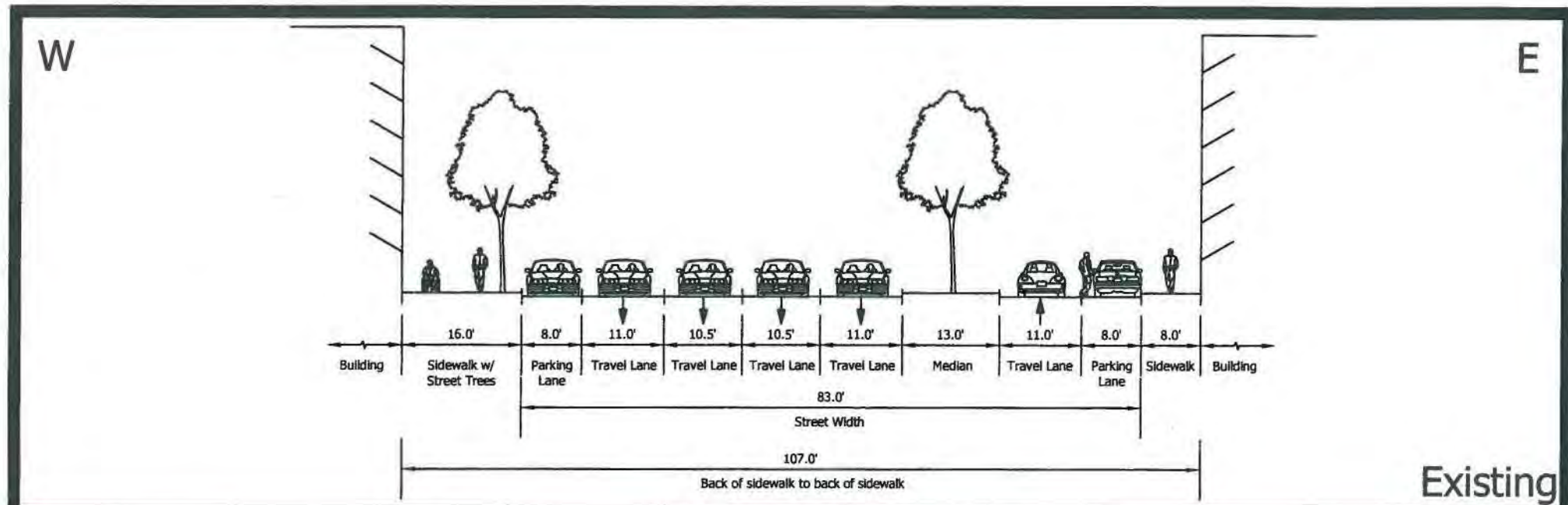
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**NORTH MOORE STREET 3B&3C**  
**Street Cross Section (W/out Parking + W/Parking)**  
**From 19th Street to Lee Hwy (Festival Street)**

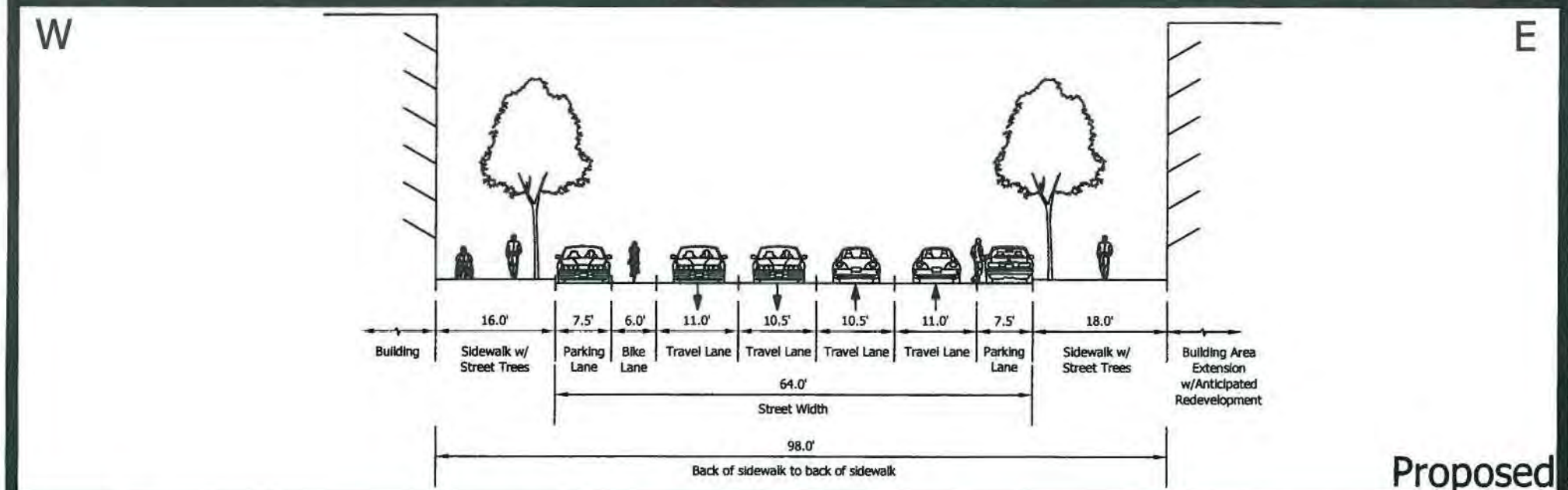


**Street Cross-Section 5: Fort Myer Drive (Between EB Lee Highway and 19<sup>th</sup> Street)**

- Provide two-way operation of Fort Myer Drive
- Reduce width of parking lanes
- Add bike lane along west side of Fort Myer Drive
- Remove median and service road associated with Rosslyn Gateway development
- Increase width of sidewalk along the east side of Fort Myer Drive and add street trees
- Reduce width of right-of-way with redevelopment of Rosslyn Gateway



Existing



Proposed



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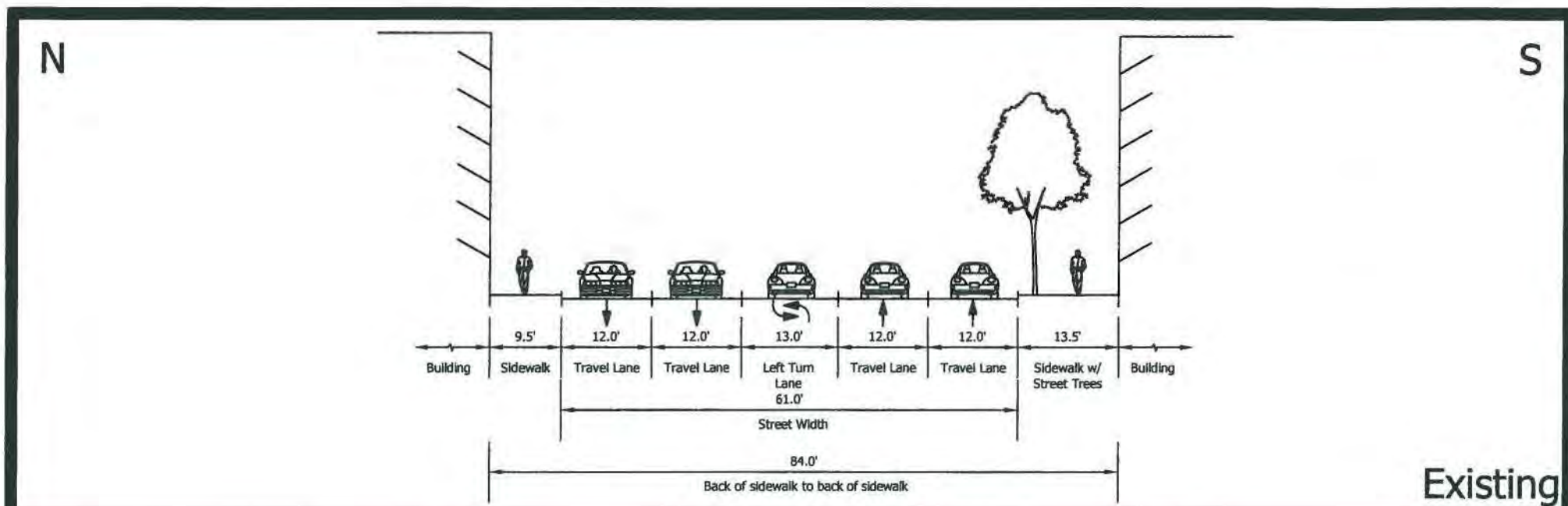
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**FORT MYER DRIVE**  
**Street Cross Section**  
**From 19th Street to Lee Hwy**

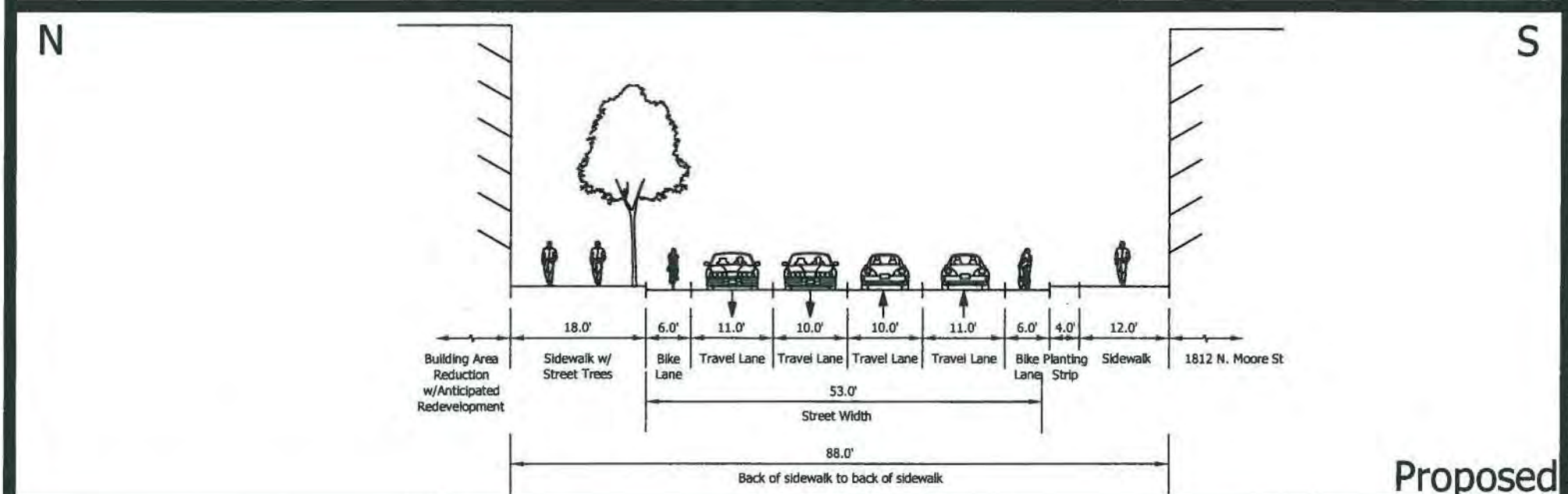


**Street Cross-Section 17: 19<sup>th</sup> Street (Between Fort Myer Drive and North Moore Street)**

- Increase width of sidewalk along the north side of 19<sup>th</sup> Street and add street trees
- Add planting strip along the south side of 19<sup>th</sup> Street
- Add bike lanes on both sides of 19<sup>th</sup> Street
- Remove left turn lane
- Reduce width of travel lanes
- Increase width of back-of-sidewalk to back-of-sidewalk with redevelopment of Rosslyn Gateway



Existing



Proposed



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**19TH STREET NORTH**  
**Street Cross Section**  
**Fort Myer Drive to N. Moore Street**