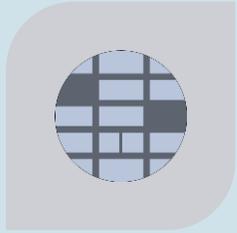


# Street Grid Plan Discussion

# Street Grid Evaluation Criteria

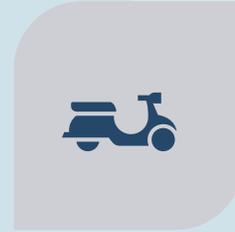
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**Walkable Block Sizes**



**Connectivity Through Downtown District**



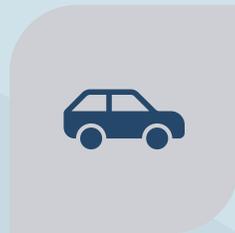
**Promote Slow Moving Vehicles with Traffic Calming**



**Accommodate Variety of Travel Modes** (WALKING, BIKING, DRIVING, TRANSIT)



**Create Highly Landscaped Public Realm**



**Incorporate On-street Parking**



**Cost Conscious and Feasible**



**Support a Variety of Development Types**

# Street Hierarchies and Best Practices

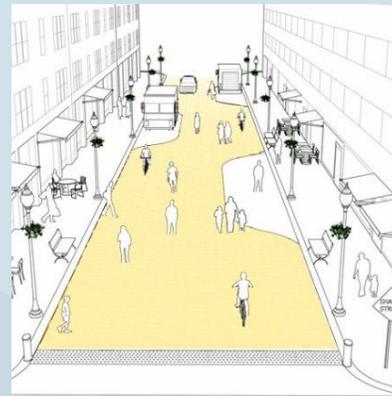
## Recommended Hierarchies for Downtown

- New Typical Street
- Connecting Streets
- Shared Streets
- Alleys



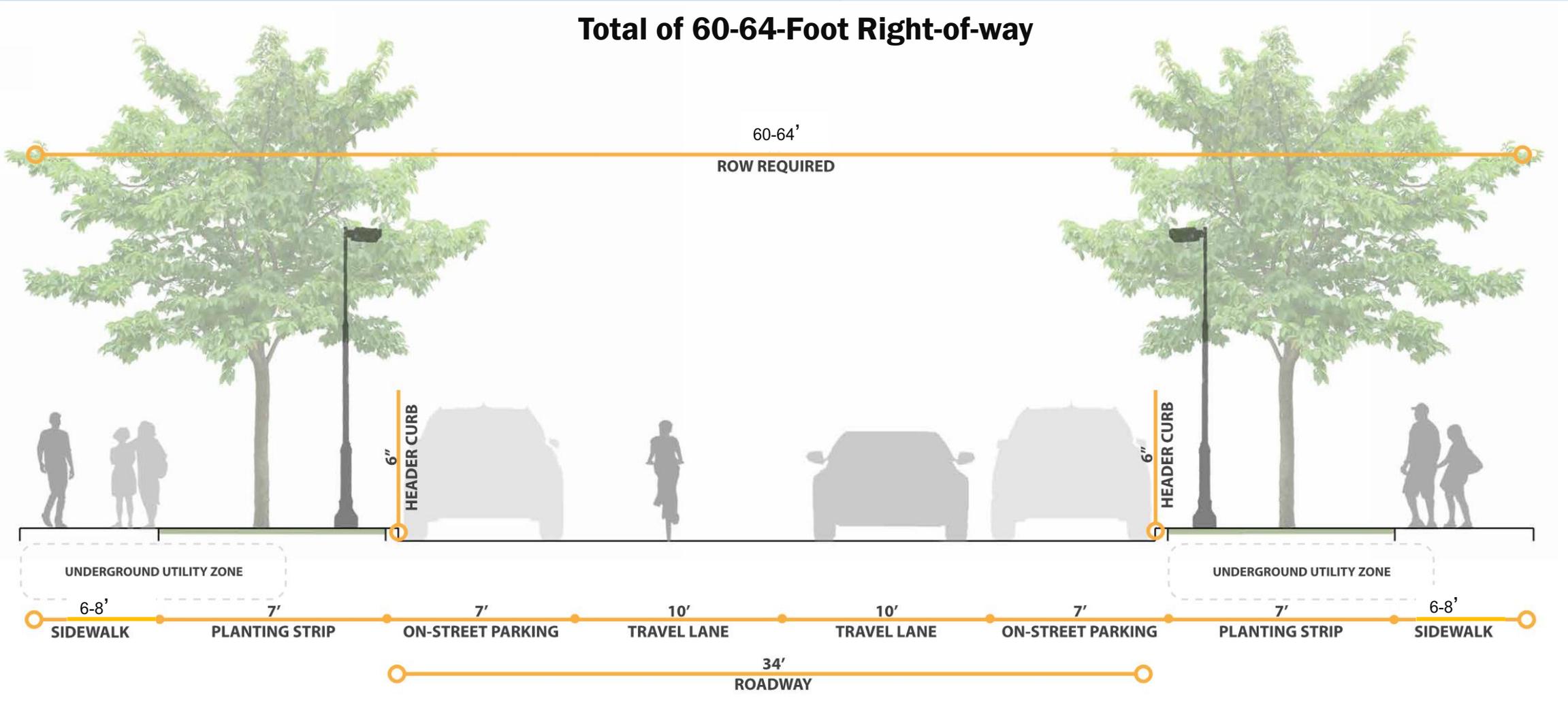
## Best Practices

- NACTO Design Guides
- Curb Extensions/Bulb-Outs
- Green Infrastructure
- Chicanes
- Speed Tables





# Proposed “Ideal” New Street Section for Downtown



\*Supplemental zones (area between sidewalk and building) to be addressed in zoning code revisions.

# Shared and/or Upgraded Existing Streets

## Existing

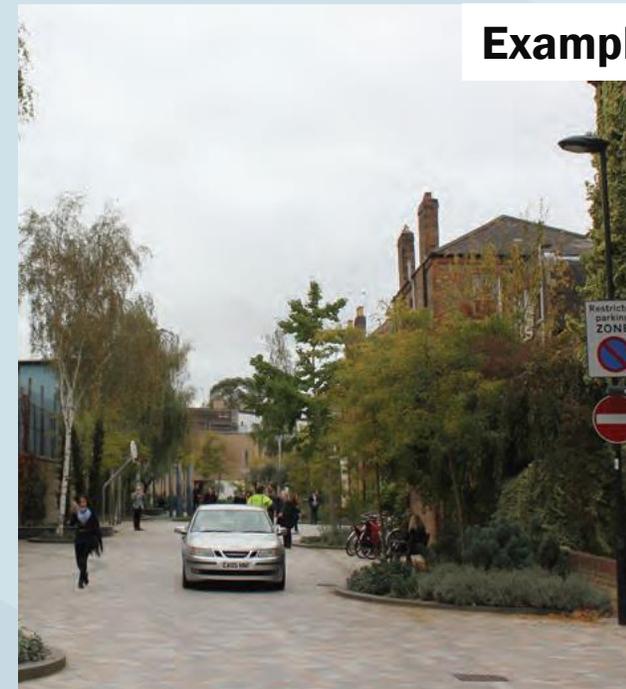
- 40-foot Right-of-Way,
  - 10-foot lanes (20-feet)
  - 5-foot Sidewalks (on each side)
  - 5-foot Furniture Zone (on each side)
- 5-10-foot Supplemental Zone



## Shared

Proposed Concept for Franklin Street from Oak to Olive Streets and on Elm Street

- 40-foot Right-of-Way,
  - 10-foot lanes (20-feet)
  - 10-foot intermittent planters along both sides of curbs – mixed with parking.
- 10-foot Supplemental Zone



# Street Tree Requirements

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Overcup Oak – Washington Street extension



Blackgum – Green Street



Basswood – Twin Oaks ext.

Variety of species for specific streets

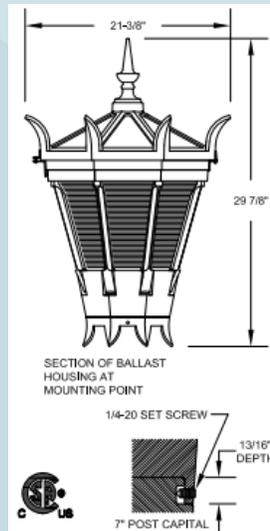
- Refer to design matrix for preferred species
- Smaller trees under existing power lines
- 40-foot max. spacing for canopy trees
- Clonal variety selection for consistent appearance and vigor

# Lighting Requirements



'Jefferson' LED Postop Luminaire by Holophane or equivalent

- 'Traditional' concrete pole by Stresscrete Group or equivalent at 14' foot height, 80' max. spacing

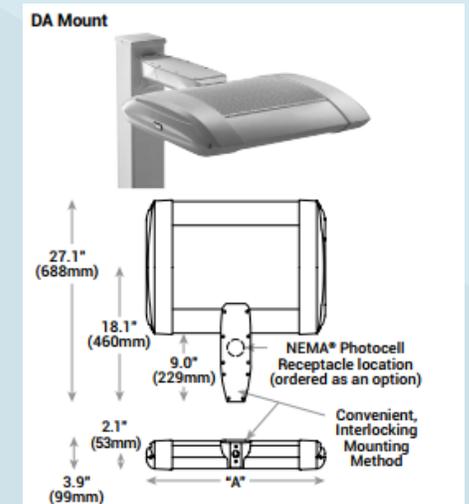


Use Signature AE fixture on US 278/N. Clarendon Avenue Only



'Edge' series by Cree Lighting or equivalent

- Pole mounted at 18-foot height, streetlight spacing

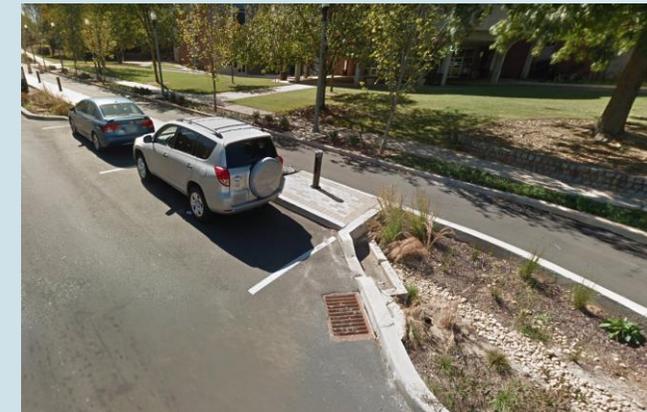


Recommended fixture for new/secondary streets

# Incorporate Sustainable Practices



- Plan underground detention and water quality improvements with a new street system
- Consider maintenance of underground or landscaped water quality or storage features
- Consider installation of utility conduit to plan for future and potentially generate additional funding through leases (Comcast, ATT, etc)

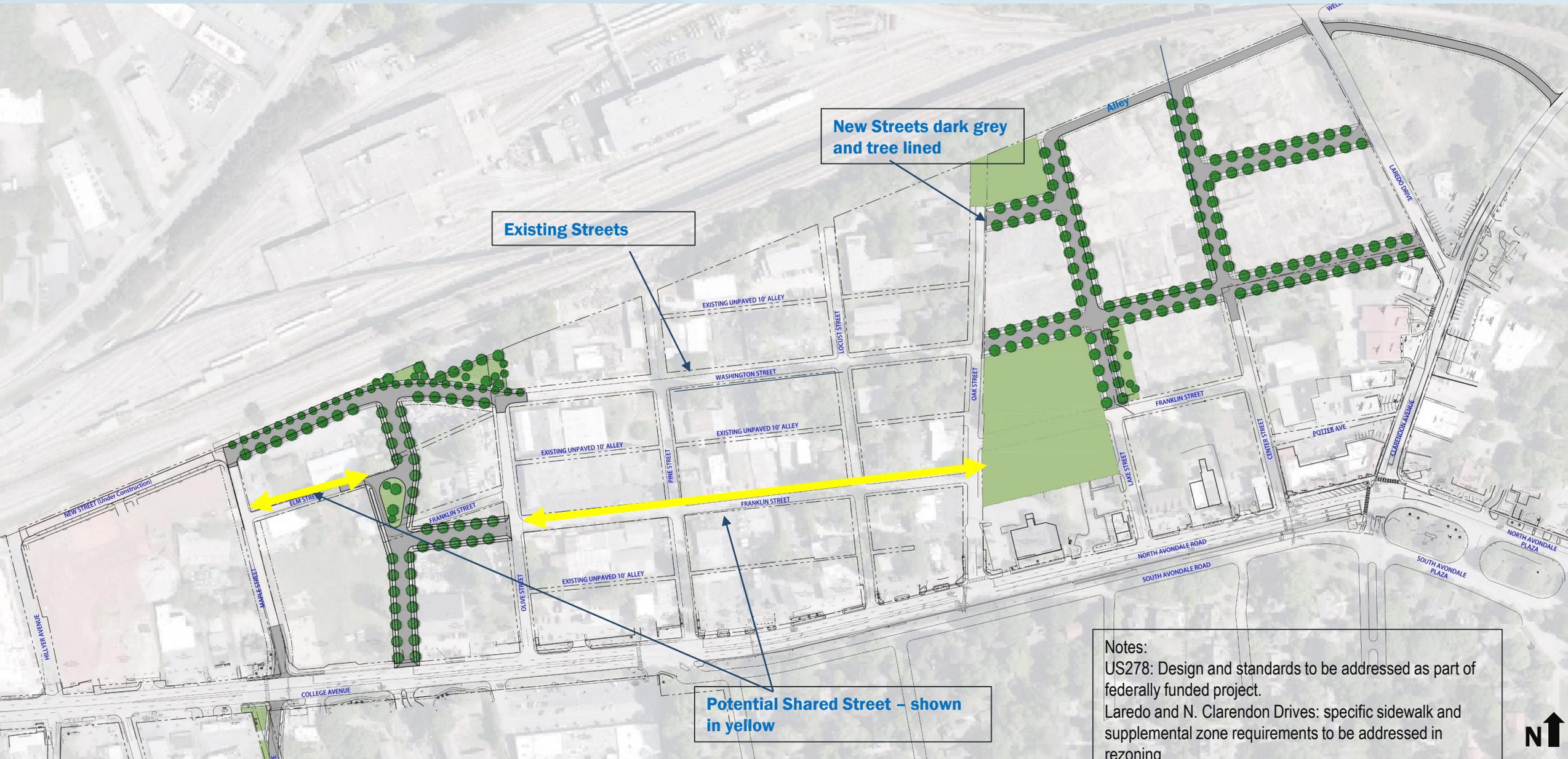


# Match Residential Signage

- Match residential street signage designs, (or at a minimum, use white on black signs) in the CBD



# Proposed Street Grid



Existing Streets

New Streets dark grey and tree lined

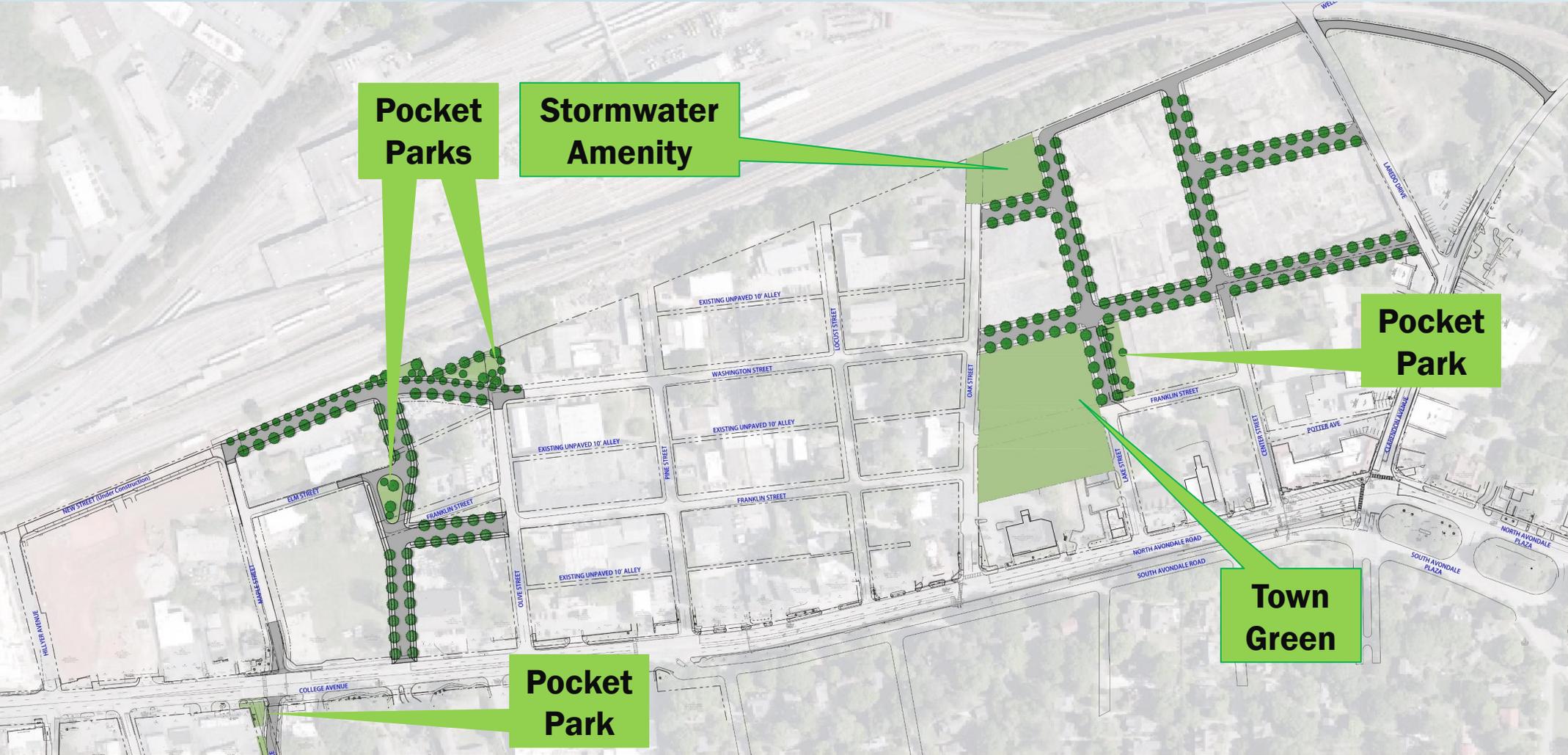
Potential Shared Street – shown in yellow

Notes:  
US278: Design and standards to be addressed as part of federally funded project.  
Laredo and N. Clarendon Drives: specific sidewalk and supplemental zone requirements to be addressed in rezoning



# Plan for Public Space

Potential properties as pocket parks or plazas along new street alignments

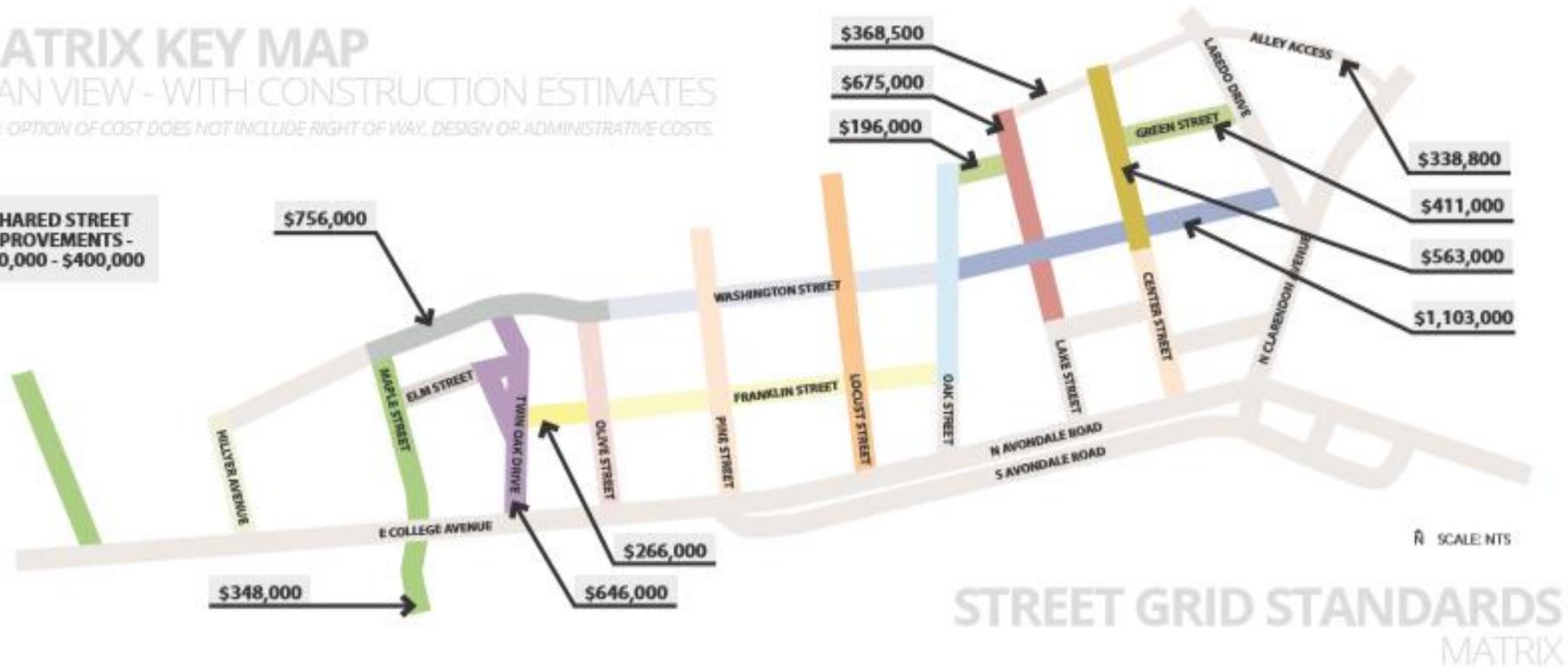


# MATRIX KEY MAP

PLAN VIEW - WITH CONSTRUCTION ESTIMATES

NOTE: OPTION OF COST DOES NOT INCLUDE RIGHT OF WAY, DESIGN OR ADMINISTRATIVE COSTS.

\*SHARED STREET IMPROVEMENTS - \$200,000 - \$400,000



## “Ballpark” Construction Cost

Does **not** include right-of-way or design cost

# Questions