



STREETSCAPE ELEMENTS





West Capitol Avenue, West Sacramento

The elements comprising the Downtown Greensboro streetscape work together to form an organized, welcoming place for all visitors. These materials and elements were selected based on a variety of factors that include appearance, durability, comfort, circulation, cost and creating an organized framework across the downtown area. Consideration was given to the desires of The City of Greensboro, Downtown Greensboro, Inc. and all stakeholders that participated in the visioning process.

The streetscape palette includes a unified “base” condition of elements as well as “alternative” options that can be supplemented to offer a unique sense of place where desired. These elements would build upon the specific location and draw design inspiration from the surrounding environment.

This Master Plan document represents a vision for the Downtown Greensboro Streetscape. The streetscape elements herein convey the aesthetic and preferred design that was vetted through the design process. Construction of the streetscape will require additional design of streetscape elements and final selection of products under the guidance of the City of Greensboro.

SIDEWALK PAVING TREATMENTS

Sidewalk Paving - Signature Destination Street

- Concrete pavers in a range of tan, cream and brown colors
- Running bond pattern
- Sidewalk pavers installed on concrete base
- Small paver areas around street trees to be installed on pervious base (see detail)
- Paver detailing to consider maintenance concerns



Sidewalk Paving - Base Condition

- Concrete sidewalk with 2' scoring pattern
- Light grey color
- Alternative scoring patterns may be used with City of Greensboro approval



Sidewalk Paving - Detectable Warning

- Concrete unit pavers with truncated domes
- Charcoal grey color to contrast surrounding sidewalk paving



VEHICULAR PAVING TREATMENTS



Roadway Accent Bands - Signature Destination Streets

- Base option: Scored concrete band with integral color
- Vehicular- duty concrete with scoring oriented perpendicular to direction of travel
- Accent band to be 3-4 feet wide and spaced 80-100 feet apart



Roadway Accent Bands - Signature Destination Streets

- Alternate option: Vehicular-duty plank pavers in a range of colors harmonizing with adjacent paving
- Mix of paver widths arranged in a running bond pattern perpendicular to direction of travel
- Pavers installed on vehicular-duty concrete base
- Accent band to be 3-4 feet wide and spaced 80-100 feet apart



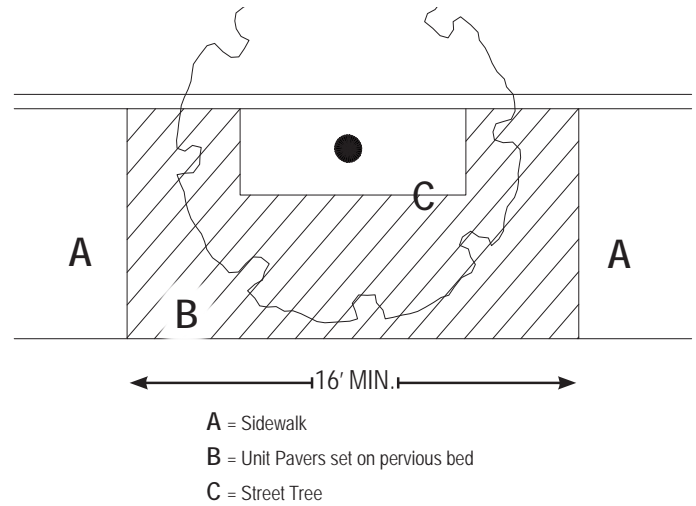
Parking Lane Paving - Signature Destination Streets

- Vehicular-duty concrete pavers in a range of tan, cream and brown colors installed on vehicular duty concrete base
- Mix of sizes arranged in random rectangular pattern to avoid heaving under turning wheels
- Alternative option: Scored, stamped or colored concrete to match accent bands
- On curbless streets, parking stalls are to be delineated by 9 fixed bollards, spaced equally around 2 stalls (see detail)

STREETScape MATERIALS + LAYOUT

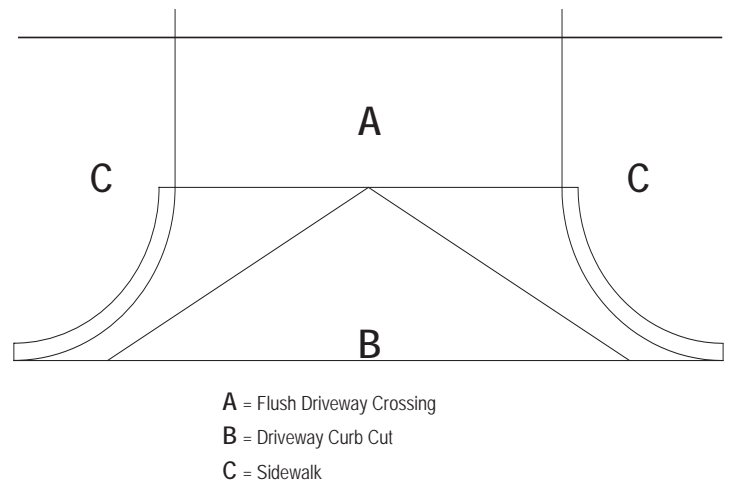
Sidewalk Paving Materials

- Sidewalk Base Option: Scored Concrete
- Sidewalk Alternate Option: Unit pavers (Used on Signature Destination Streets)
- Unit Pavers are to match color, size and pattern of adjacent streetscape pavers
- Street trees are to be furnished with grates where sidewalk is less than 8 feet wide, and with ornamental rails where the sidewalk is greater than 8 feet wide



Driveway Paving Detail

- Accessible routes across driveways ('A' in detail) are to be flush and at sidewalk elevation
- Driveway ramp shall be accommodated within curb cut



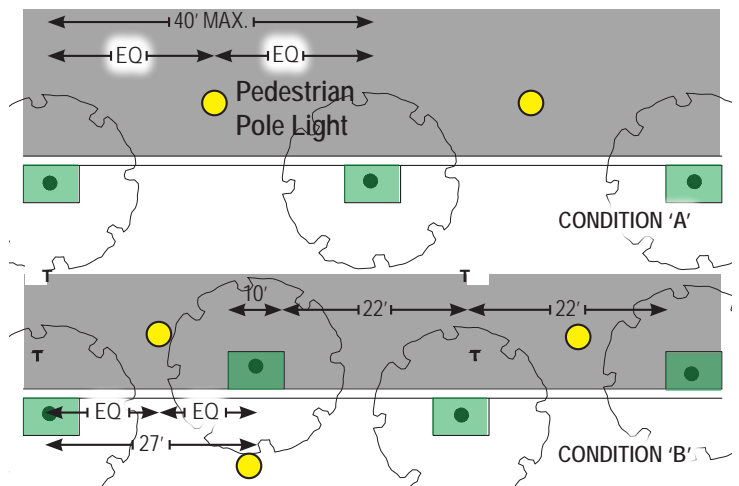
Light Pole & Street Tree Layout

Condition 'A':

- Single Row Street Trees
- Street trees spaced max. 40' on center
- Pole lights centered between street trees

Condition 'B':

- Double Row Street Trees
- Sidewalk trees centered between 2 parking stalls
- Street trees in 10' wide planted islands
- Pole lights in sidewalk centered between adjacent trees



Tree Grate



- Basis of Design: Via Rizo by Ironsmith
- Cast Ductile Iron with raw natural finish
- 4' square size
- Tree grates to be used only where sidewalk width is 8 feet or less, unless directed by City.
- Regular maintenance of tree grates is recommended to prevent tripping hazards and girdling of trees.



Ornamental Tree Rail

- Basis of Design: Black iron rail with 3 horizontal bars and circle ornaments
- 3-sided rail
- Ornamental rail is to be used where sidewalk width is greater than 8 feet
- Ground cover plantings shall fill planting area

Tree Soil System

- Basis of Design: Silva cell 3x system
- High density plastic cells support sidewalk and contain uncompacted planting soil
- Each street tree is to have 600 CF planting soil



Flow - Thru Planter

- Planted area for street tree in parking zone
- Concrete curb breaks at the sidewalk to allow stormwater to flow into the planter
- Image is for reference only. Curb details are to follow City of Greensboro standards.



SIDEWALK DRAINS + COVERS



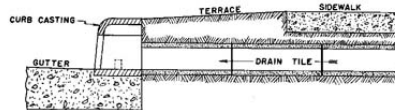
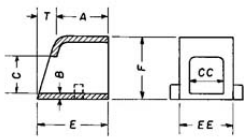
Trench Drain Cover - Base Product

- Basis of Design: Oblio by Iron Age
- Cast Ductile Iron with raw natural finish
- Trench drain cover shown for design intent. Trench drain system to be finalized in construction documents.



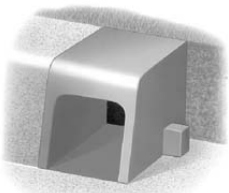
Trench Drain Cover - Alternate Option

- Basis of Design: Argo by Iron Age
- Cast Ductile Iron with raw natural finish
- Trench drain cover shown for design intent. Trench drain system to be finalized in construction documents.



Curb Opening

- Basis of Design: R-3262 stormwater curb opening by Neenah
- Creates a smooth curb transition at drain



Rear view of R-3262-3 only.
(optional)

PEDESTRIAN FACILITY TREATMENTS

Crosswalk - Signature Destination Street

- Vehicular-duty concrete pavers in random rectangular pattern, with flush concrete edge restraint
- Alternative patterns may be acceptable with City approval
- Pavers to match sidewalk pavers in color range and finish



Crosswalk - Base Condition

- Basis of Design: Streetprint XD by Alternative Paving Concepts
- White thermoplastic striping applied to asphalt roadway surface



Crosswalk - Alternative Condition

- Basis of Design: Streetprint XD by Alternative Paving Concepts
- White thermoplastic bars to define crosswalk area
- Artistic pattern or image in crosswalk area to be selected by the City of Greensboro to relate to surrounding areas
- Image shown is suggestive of design possibility



BIKE FACILITY TREATMENTS



Bike Lane Delineators

- Basis of Design: FG 300 UA tubular marker by Pexco
- Flexible polyurethane post with slim “metro” base for surface mounting
- White bollard with green reflective striping



Bike Lane Striping

- Basis of Design: Thermoplastic applied to asphalt roadway surface
- White lane striping



Bike Lane Conflict Area Treatments

- Basis of Design: Streetprint XD by Alternative Paving Concepts
- Thermoplastic graphics applied to asphalt roadway surface
- Green background with white bicycle graphics

SITE FURNISHINGS

Bench - Base Product

- Basis of Design: Plainwell bench by Landscape Forms
- Black steel bench ends with center loop (not shown)
- IPE wood slats
- In special areas additional benches designed by artists may be used to supplement standard furnishings.



Trash Receptacle

- Basis of Design: SD-42 by Victor Stanley
- Receptacle with radial steel slats and flared opening
- Dome lid attachment
- Black cans for trash and blue cans for recycling



Bollard

- Basis of Design (removable): R-8464 by Reliance Foundry
- Basis of Design (embedded): R-8460 by Reliance Foundry
- Stainless steel bollard with mounting per required use.





Bike Rack - Base Product

- Basis of Design: Key by Landscape Forms
- Black base color may be supplemented with additional colors in special areas
- Surface mount per manufacturer's requirements

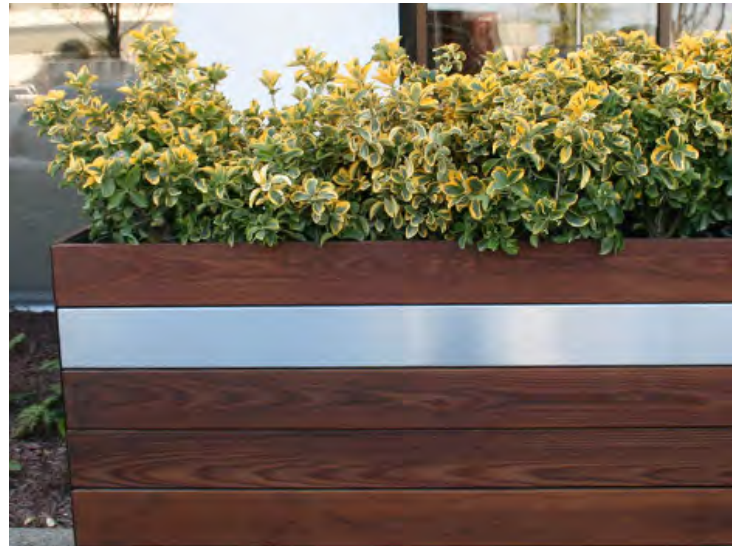


Bike Rack - Alternate Product

- Basis of Design: BRHS-101 by Victor Stanley
- Black base color may be supplemented with additional colors in special areas
- Surface mount per manufacturer's requirements

Planter - Base Product

- Basis of Design: Boulevard Mixed Media by Tournesol Siteworks
- IPE wood slats
- Stainless steel accent band

**Planter - Alternate Product**

- Basis of Design: Aquarian by Tournesol Siteworks
- Fiberglass planter with T-2 textured finish
- Black and Pine base colors
- This planter may be used to supplement the base product in the streetscape

**Planter - Alternate Product**

- Basis of Design: Zen by Victor Stanley
- Fiberglass planter with black grain finish
- This planter may be used to supplement the base product in the streetscape





Cafe Table

- Basis of Design: Catena Round Tabletop with freestanding base by Landscape Forms
- Steel table top with black powder coat finish
- In special areas base product may be supplemented with additional colors



Cafe Chair - Base Option

- Basis of Design: Chair 481 by DuMor Inc.
- Steel chair with black powder coat and IPE wood slats



Cafe Chair - Alternate Option

- Basis of Design: Traverse chair by Landscape Forms
- Steel chair with metal grid and powder coat finish
- In special areas black base product may be supplemented with additional colors

TRANSIT FURNISHINGS

Bus Shelter

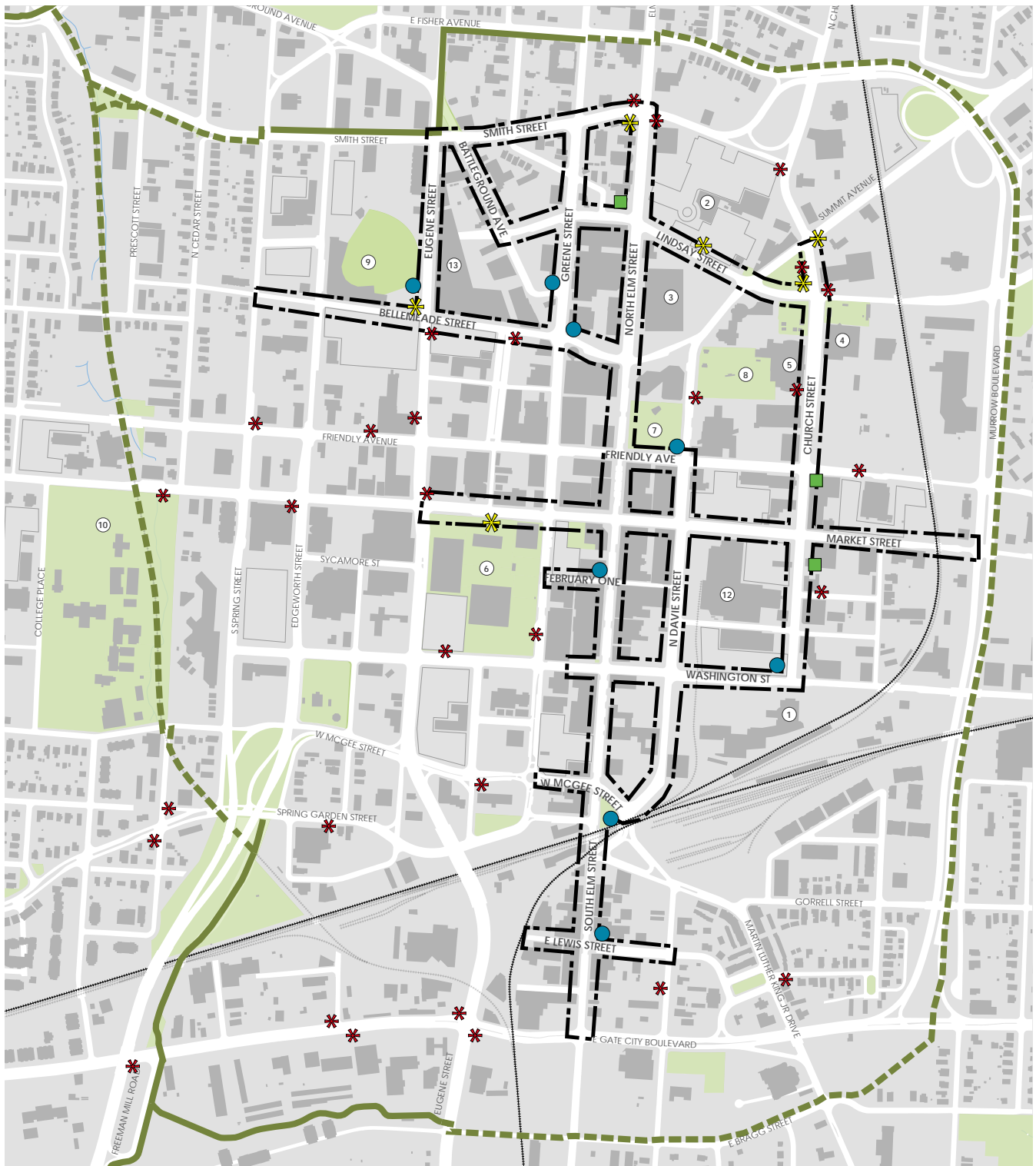
- Basis of Design: City of Greensboro standard bus shelter
- Shelter locations to be coordinated with City of Greensboro



Charging Station

- Basis of Design: Legrand by Landscape Forms
- Free standing post with optional accent light
- Locations to be coordinated with City of Greensboro





DOWNTOWN GREENSBORO STREETScape

EXHIBIT: Transit Furnishings

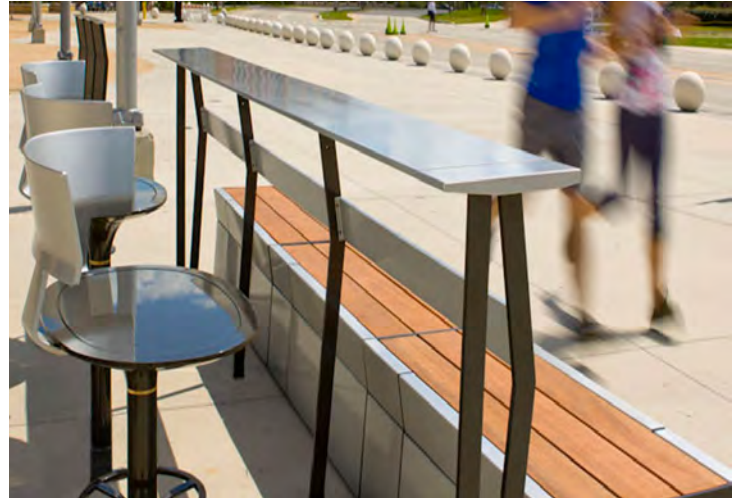
KEY	
1	Bus Depot
2	Wrangler Headquarters
3	Future Tanger Center
4	Children's Museum
5	Public Library
6	Government Plaza
7	Center City Park
8	LeBauer Park
9	First National Bank Field
10	Greensboro College
11	Green Hill Cemetery
12	News & Record
13	Future Mixed-Use

LEGEND	
	Buildings
	Parks / open space
	Greenway connection
	Proposed Greenway
	Railroad Tracks
	Bus Stops
	Bus Stops with Shelters
	Bus Stops with Transit Rails
	Newspaper Racks

TRANSIT FURNISHINGS

Leaning Rail

- Basis of Design: Jessie by Landscape Forms
- 3” or 12” top rail options with mill finish
- Steel base with black powder coat finish



Consolidated Newspaper Rack

- Consolidated dispenser for newspapers and circulars
- Metal dispenser with black powder coat finish, mounted per manufacturer’s requirements
- Perforated Metal Corral with custom graphics installed around the consolidated dispenser rack
- Final location to be coordinated with City to offer most efficiency and minimize sight conflicts





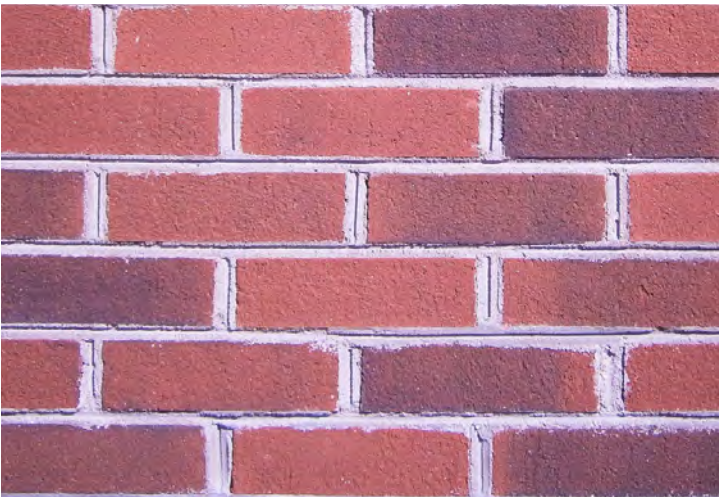
Handrail

- Basis of Design: Series 500 aluminum pipe railing (non-weld) by Wagner
- Black powder coat finish



Fence & Guardrail

- Basis of Design: Echelon Plus Majestic fence with double ring ornamentation by Ameristar Fence
- Aluminum fence with black powder coat finish
- Screen fence height = 4'-0"
- Guard rail height = 3'-6"



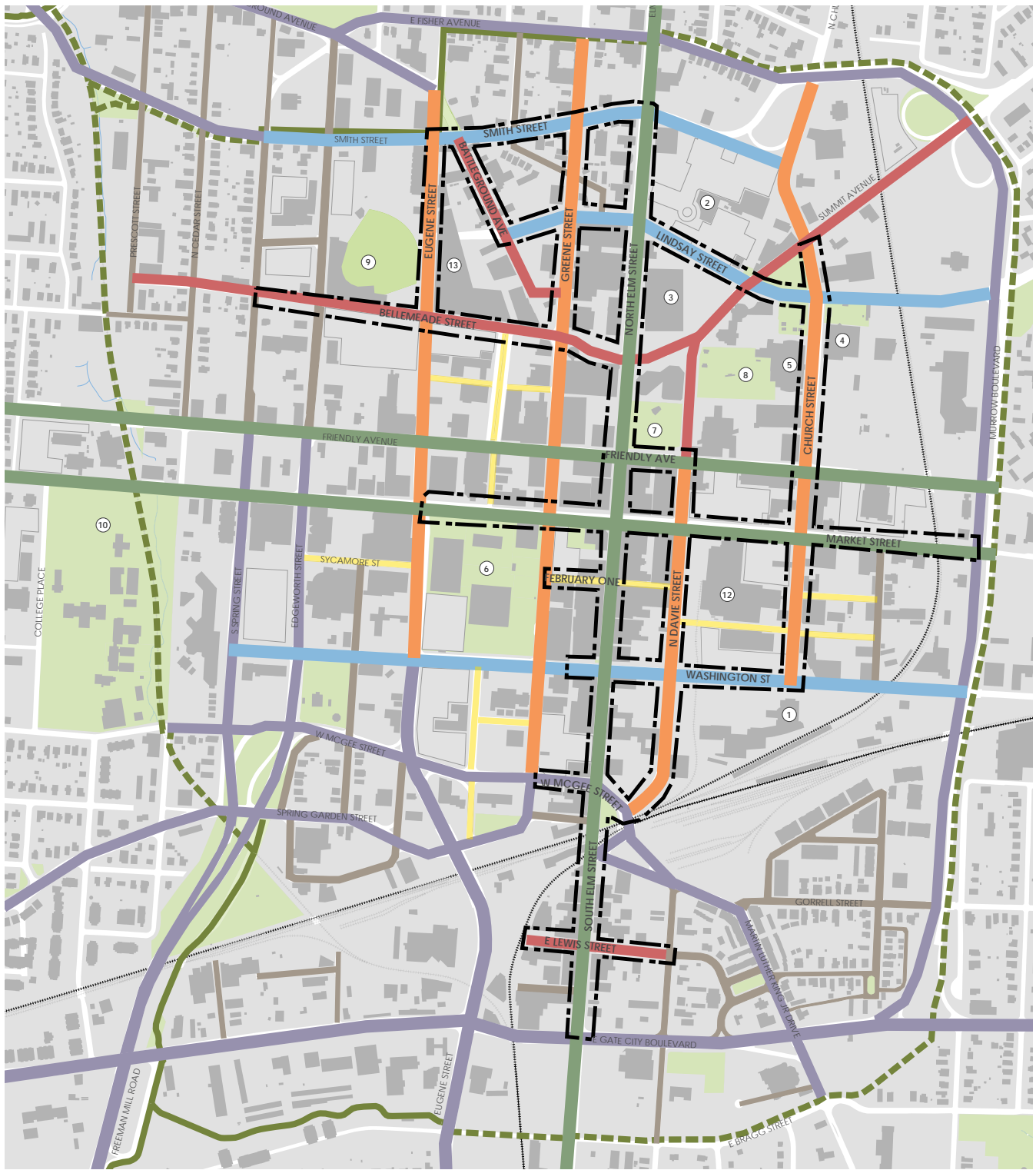
Retaining Wall Cladding

- Basis of Design: Old Colony Full Range face brick by Pine Hall Brick
- Alternative face brick may be approved to match adjacent historic buildings

Smart City Kiosk

- Basis of Design: Interactive sign by City Post
- Post-mounted sign to minimize cluttered sidewalk
- Interactive media for wayfinding and information
- Kiosks are to be provided by the City and are shown for reference only. Final locations to be determined by the City of Greensboro.
- Light pole shown in image is for mounting reference only.





DOWNTOWN GREENSBORO STREETScape

EXHIBIT: Street Tree Groups



- KEY**
- ① Bus Depot
 - ② Wrangler Headquarters
 - ③ Future Tanger Center
 - ④ Children's Museum
 - ⑤ Public Library
 - ⑥ Government Plaza
 - ⑦ Center City Park
 - ⑧ LeBauer Park
 - ⑨ First National Bank Field
 - ⑩ Greensboro College
 - ⑪ Green Hill Cemetery
 - ⑫ News & Record
 - ⑬ Future Mixed-Use

- LEGEND**
- Buildings
 - Parks / open space
 - Site Boundary
 - Greenway
 - Proposed Greenway
 - Railroad Tracks
 - Tree Group 1*
 - Tree Group 2*
 - Tree Group 3*
 - Tree Group 4*
 - Tree Group 5*
 - Tree Group 6*
 - Tree Group 7*
- * See appendix for tree species information



Tree Group 1

Ulmus americana - American Elm 'Valley Forge'

Platanus acerfolia - London Planetree

Amelanchier canadensis - Serviceberry



Tree Group 2

Acer rubrum - Red Maple 'Red Sunset'

Cladrastis lutea - Yellowwood

Amelanchier canadensis - Serviceberry



Tree Group 3

Liquidambar styraciflua - Sweet Gum

Quercus phellos - Willow Oak

Tilia cordata - Littleleaf Linden

Acer rubrum - Red Maple 'Red Sunset'

Carpinus carolina - American Hornbeam



Tree Group 4

Gleditsia tricanthos var. inermis - Thornless Honeylocust



Tree Group 5

Taxodium distichum - Bald Cypress

Ulmus parvifolia - Lacebark Elm

Gleditsia tricanthos var. inermis - Thornless Honeylocust



Tree Group 6

Liquidambar styraciflua - Sweet Gum

Quercus palustris - Pin Oak

Taxodium distichum - Bald Cypress

Carpinus carolina - American Hornbeam



Tree Group 7

Quercus palustris - Pin Oak

Taxodium distichum - Bald Cypress

Ulmus parvifolia - Lacebark Elm

Carpinus carolina - American Hornbeam

