



TOWN OF KNIGHTDALE

PLANNING DEPARTMENT

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ORD #09-01-21-002
AN ORDINANCE TO AMEND THE UNIFIED DEVELOPMENT ORDINANCE
OF THE TOWN OF KNIGHTDALE,
REGARDING STREET CROSS-SECTIONS

WHEREAS, the Town of Knightdale has received a petition to amend the Unified Development Ordinance in regard to street cross-sections; and

WHEREAS, the Town of Knightdale Unified Development Ordinance Section 15.15 establishes uniform procedures for amending the text of the Ordinance; and

WHEREAS, the proposed zoning text changes comply with the goals of the Town's Comprehensive Plan because they are reasonable in that they advance the stated objective of influencing and managing the development of the community by establishing preferred examples of complete street design and thereby also coordinating the public and private investment that is put forth in Knightdale; as well as being consistent with the Comprehensive Plan's stated goal of providing balanced and responsible urban design, planning and development.;

NOW, THEREFORE BE IT ORDAINED by the Town Council of the Town of Knightdale, North Carolina:

SECTION 1. That the Unified Development Ordinance of the Town of Knightdale Code be amended to read as follows:

17.4A Street Classification and Design

In an effort to protect this investment, the Town views streets as the most important public space and therefore has developed a set of principles which permit this space to be used by both the automobile, pedestrian and bicyclist. New development with frontages on existing and new publicly maintained streets shall be required to upgrade all their frontages to meet the standards of this Chapter.

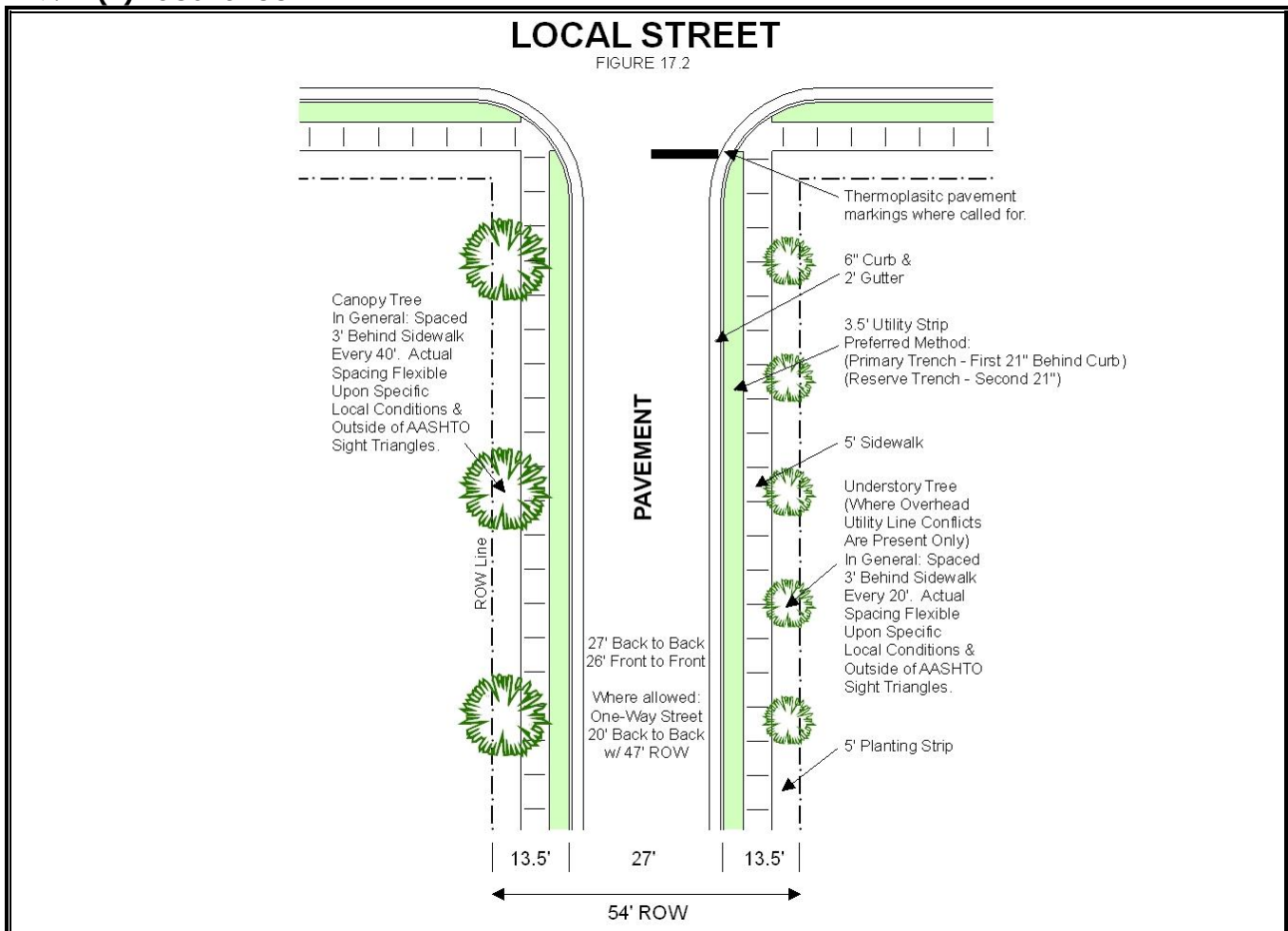
Healthy, traditional streets are categorized by the work they perform for the neighborhood. For simplicity, street types can be broken down into three (3) groups:

- **Category One:** providing neighborhood access such as alleys and local streets;
- **Category Two:** roadways providing transitional access to neighborhood streets, i.e., avenues and main streets;
- **Category Three:** roadways providing regional access, i.e., boulevards and freeways.

General illustrations of each street type are shown in Figures 17.1 thru 17.7. For internal streets in MI Districts, please refer also to Section 2.12.B.4. Although the general illustrations have been designed with NCDOT planting guidelines in mind; whenever a street is to be maintained by

NCDOT, NCDOT's *Guidelines for Planting within Highway Right-of-Way* shall supersede the general illustrations provide herein in the case of a conflict between the two sets of guidelines.

17.4A(2) Local Street



Street Features:

- Curb & gutter
- Informal parking
- Street Tree Planting strips – 5 ft. (see introduction of Section 17.4A for further notes about NCDOT maintained streets)
- Sidewalks – 5 ft. on each side
- Requires 54 ft. of right-of-way – two way
- Requires 47 ft. of right-of-way – one way
- Utility location underground or alley
- Two to Six blocks long
- Average speed 20-25 mph

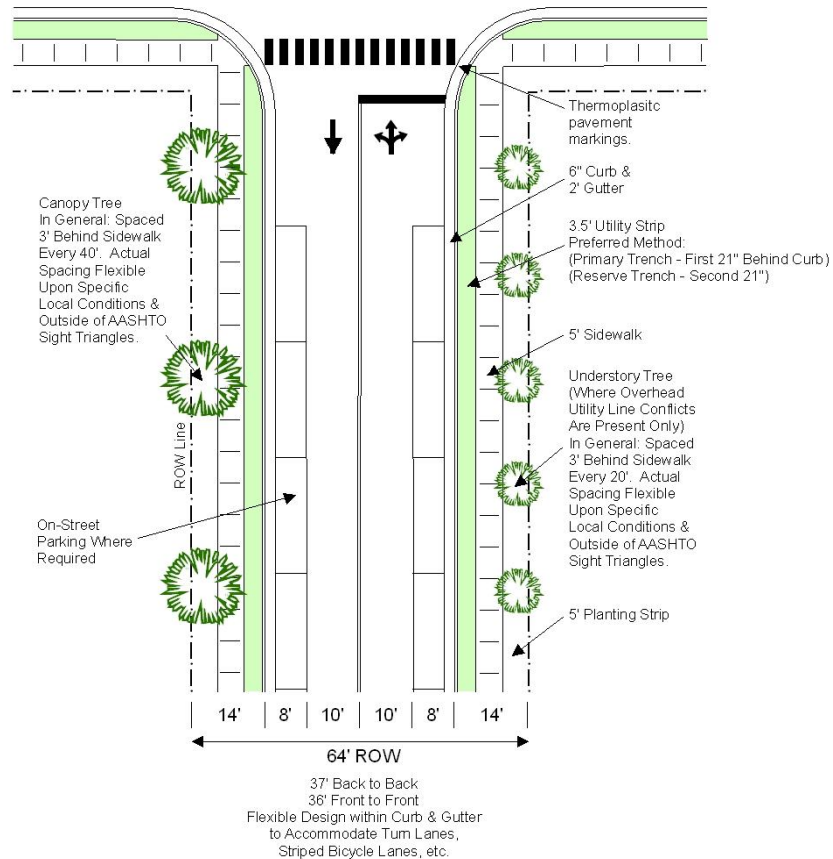
Buildings & Land Use:

- Residential – many residential types
- Residences brought close to sidewalk
- Consistent building line recommended
- Front porches encouraged

17.4A(3) Main Street

MAIN STREET

FIGURE 17.3



Street Features:

- Travel lanes of 10 ft. minimum
- Curb & gutter
- Striped parking in mixed use and commercial areas
- Street Tree Planting strips – 5 ft. minimum on each side (see introduction of Section 17.4A for further notes about NCDOT maintained streets)
- Sidewalks – 5 to 13.5 ft. on each side (Where sidewalk, utility and planting strips combined in commercial use areas, approved tree grates must be used and trees planted according to standard specification location.)
- If no on-street parking is required and this section is identified for use with a designated bikeway, a minimum 4 foot striped outside bicycle lane excluding gutter shall be provided – see Appendix 3
- Requires 64 ft. of right-of-way
- Utility location underground or alley
- Average speed 20-25 mph
- Includes bulbouts at intersections and midblock crossings

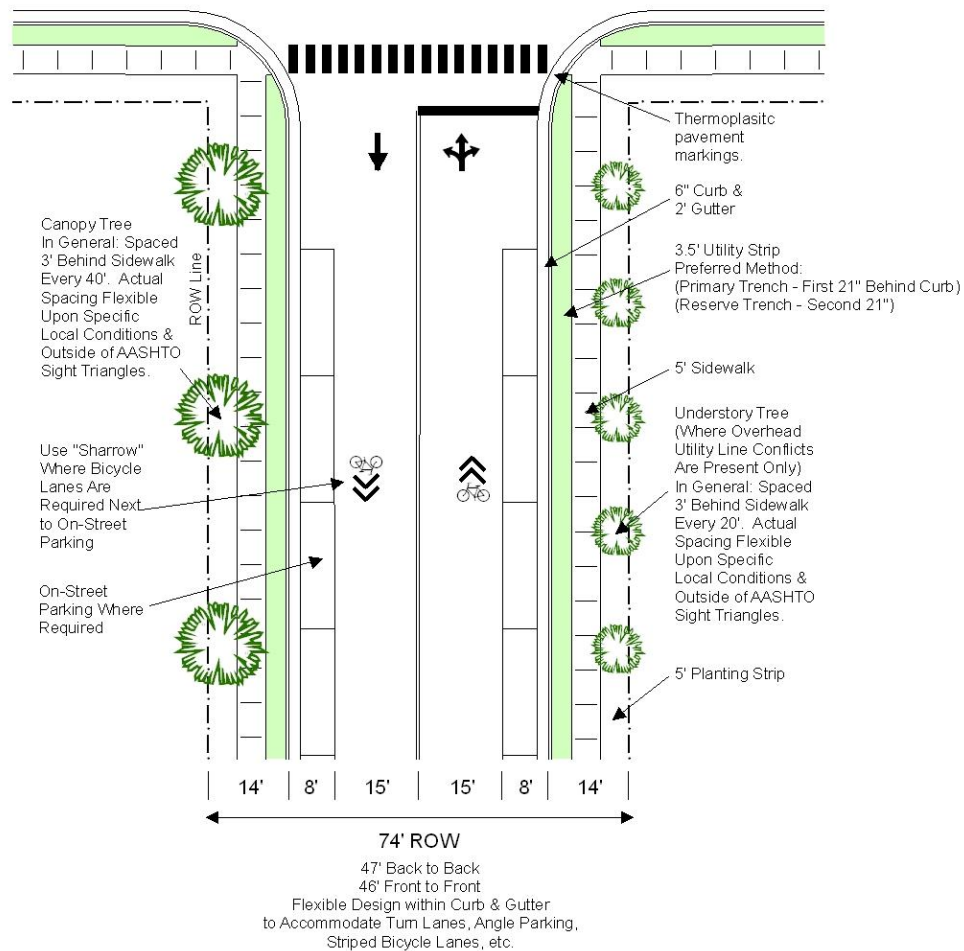
Buildings & Land Use:

- Commercial and mixed use
- Major roadway in neighborhoods
- Consistent building line recommended
- Buildings next to sidewalk
- Pedestrian awnings and arcades recommended

17.4A(4)(a) Avenue

AVENUE

FIGURE 17.4



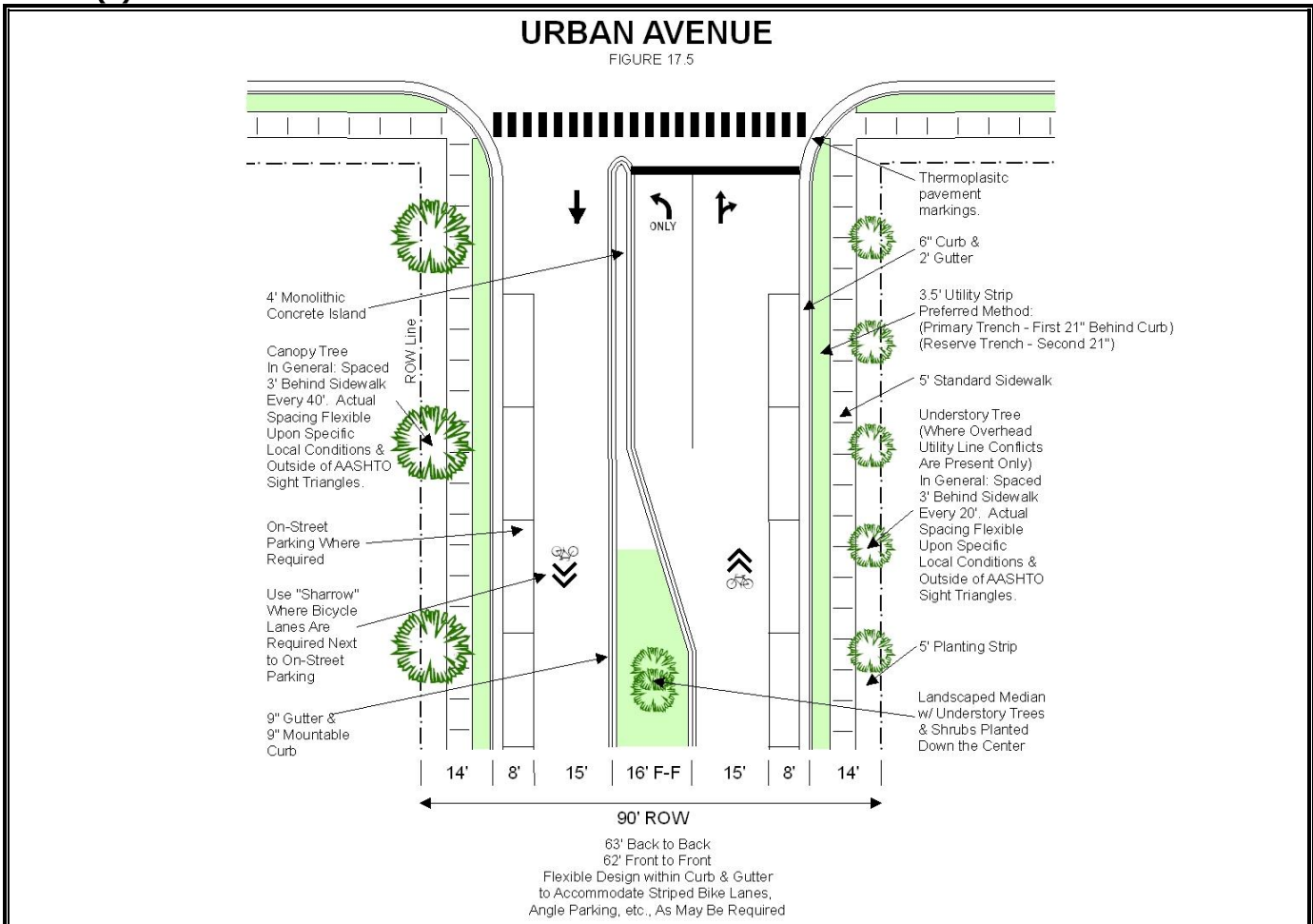
Street Features:

- Travel lanes of 15 ft. to accommodate bicyclists (Sharrow pavement markings to be included on designated bikeways where on-street parking is provided – see Appendix 3; otherwise if on-street parking is not required, a minimum 4 foot striped outside bike lane on designated bikeways excluding gutter shall be provided)
- Curb & gutter
- Striped parking in commercial and mixed use areas
- Street Tree Planting strips – 5 ft. minimum on each side (see introduction of Section 17.4A for further notes about NCDOT maintained streets)
- Sidewalks – 5 to 13.5 ft. on each side (Where sidewalk, utility and planting strips combined in commercial use areas, approved tree grates must be used and trees planted according to standard specification location.)
- Requires 74 ft. of right-of-way
- Utility location underground or alley
- Average speed 30-35 mph

Buildings & Land Use:

- Residential, Industrial, and Commercial areas
- Consistent building line recommended
- Buildings next to sidewalk
- Place prominent public buildings and plazas at end of vista

17.4A(5) Urban Avenue



Street Features:

- Left turn lanes of 11 ft. which includes a 9" gutter where median present
- On-Street parking in commercial use areas
- Travel lanes of 15 ft. to accommodate bicyclists (Sharrow pavement markings to be included on designated bikeways where on-street parking is provided – see Appendix 3; otherwise if on-street parking is not required, a minimum 4 foot striped outside bike lane on designated bikeways excluding gutter shall be provided)
- Curb & gutter
- Landscaped Medians– 16 ft. minimum in width
- Street Tree Planting strips – 5 ft. minimum on each side (see introduction of Section 17.4A for further notes about NCDOT maintained streets)
- Sidewalks – 5 to 13.5 ft. on each side (Where sidewalk, utility and planting strips combined in commercial use areas, approved tree grates must be used and trees planted according to standard specification location.)
- Requires 90 ft. of right-of-way
- Utility location underground or alley
- Average speed 35-45 mph

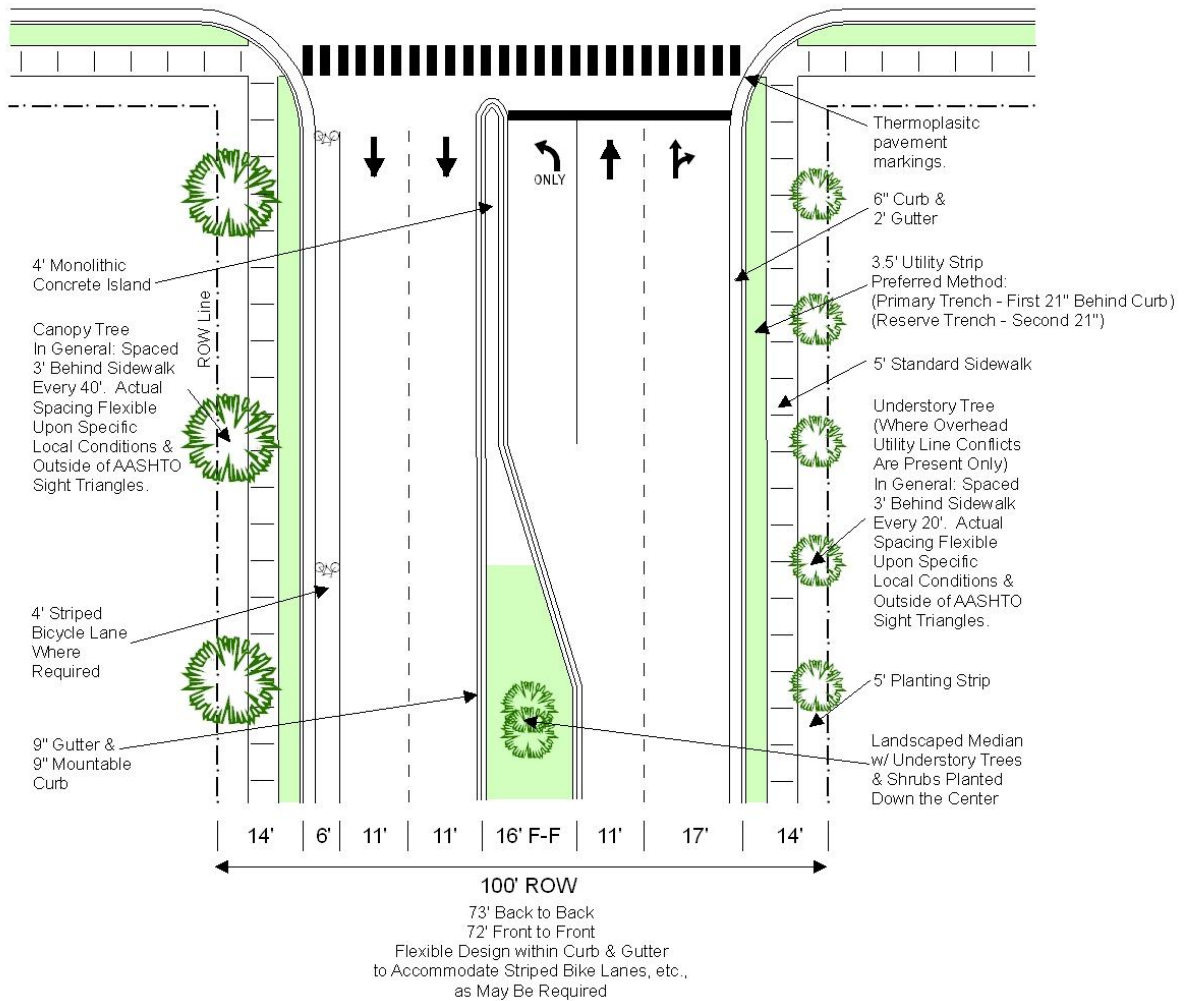
Buildings & Land Use:

- Residential and commercial use areas
- Consistent building line recommended
- Commercial buildings should be close to the sidewalk
- Place prominent public buildings and plazas at the end of vistas

17.4A(6) Boulevard

BOULEVARD

FIGURE 17.6



Street Features:

- Inside travel lanes of 11 ft.
- Outside travel lanes of 15 ft. to accommodate bicyclists; otherwise, on designated bikeways, a minimum 4 foot striped outside bicycle lane excluding gutter shall be provided – see Appendix 3
- Curb & gutter
- Landscaped Medians– 16 ft. minimum in width
- Street Tree Planting strips – 5 ft. minimum on each side (see introduction of Section 17.4A for further notes about NCDOT maintained streets)
- Sidewalks – 5 to 8 ft. on each side
- Requires 100 ft. of right-of-way
- Utility location underground or alley
- Average speed 35-45 mph

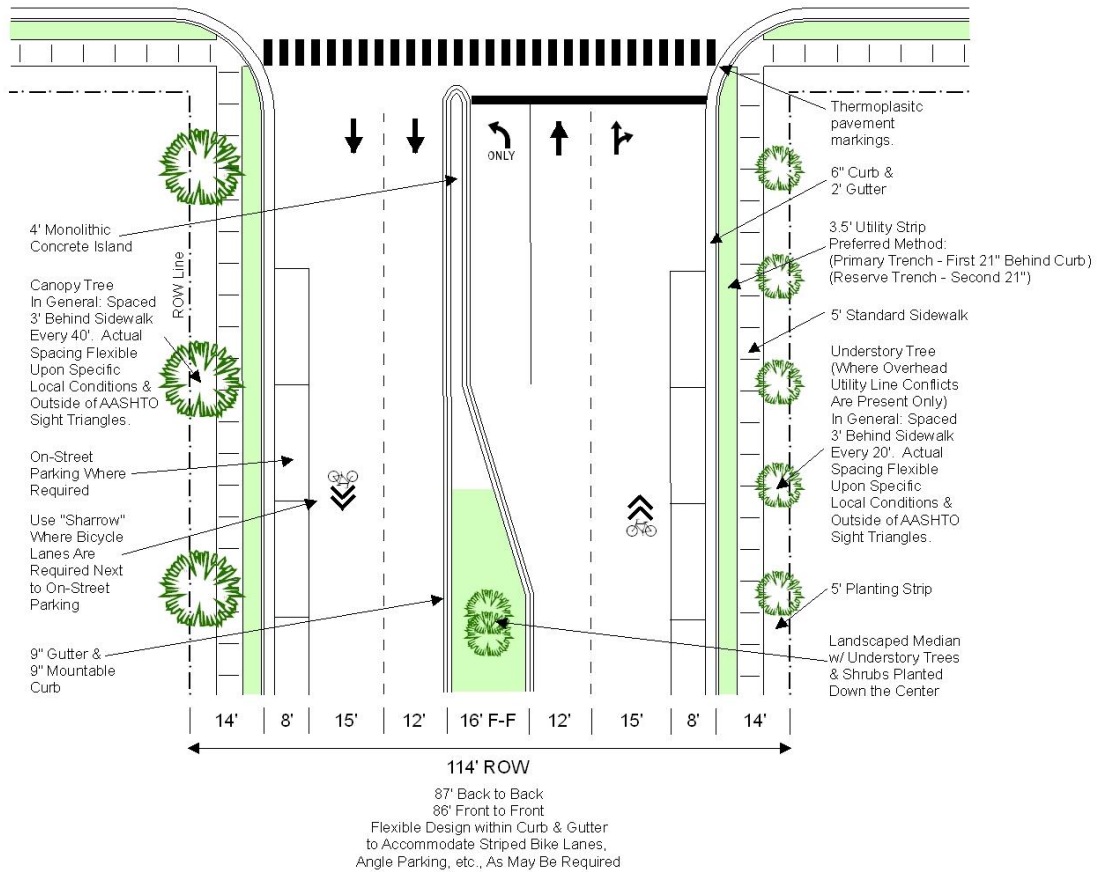
Buildings and Land Use:

- Mixed residential and commercial use areas

17.4A(7) Urban Boulevard

URBAN BOULEVARD

FIGURE 17.7



Street Features:

- Inside travel lanes of 11.5 ft.
- Outside travel lanes of 15 ft. to accommodate bicyclists (Sharrow pavement markings to be included on designated bikeways where on-street parking is provided – see Appendix 3; otherwise, a minimum 4 foot striped outside bike lane on designated bikeways excluding gutter shall be provided)
- Curb & gutter
- Striped parking in mixed use and commercial areas
- Landscaped Medians– 16 ft. minimum in width
- Street Tree Planting strips – 5 ft. minimum on each side (see introduction of Section 17.4A for further notes about NCDOT maintained streets)
- Sidewalks – 5 to 8 13.5 ft. on each side (Where sidewalk, utility and planting strips combined in commercial use areas, approved tree grates must be used and trees planted according to standard specification location.)
- Requires 114 ft. of right-of-way
- Utility location underground or alley
- Average speed 35 mph

Buildings & Land Use:

- Mixed residential and commercial uses
- Consistent building line recommended
- Buildings next to sidewalk
- Place prominent public buildings and plazas at end of vista

SECTION 2. That all laws and clauses of law in conflict herewith are hereby repealed to the extent of said conflict.

SECTION 3. That if this ordinance or application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions of this ordinance which can be given separate effect and to the end the provisions of this ordinance are declared to be severable.

SECTION 4. That this ordinance has been adopted following a duly advertised public hearing of the Town Council and following review and recommendation by the Land Use Review Board.

SECTION 5. That this ordinance shall be enforced as provided in G.S. 160A-175 or as provided for in the Knightdale Town Code.

SECTION 6. That this ordinance shall become effective upon its adoption by Town Council.

Adopted this 21st day of January, 2009.

Russell B. Killen, Mayor

ATTEST:

Suzanne M. Yeatts, Town Clerk

APPROVED AS TO FORM:

Clyde Holt, III; Town Attorney