

10A NCAC 29C .0502 STREETS

(a) Official Plan. In any new residential area streets shall generally conform to the arrangement and locations indicated on the latest official plans or maps as officially adopted for Butner. In areas for which such plans have not been completed, streets must provide for the continuation or appropriate projection or principal streets in surrounding areas and provide reasonable means of ingress and egress for surrounding acreage tracts.

(b) Right-of-Way. Major streets as designated on the major thoroughfare plan for Butner shall have the following minimum right-of-way:

- (1) major highways--100 feet;
- (2) major streets--80 feet;
- (3) collector streets--60 feet;
- (4) minor (residential) streets--60 feet; and
- (5) marginal access streets--40 feet.

(c) Paving Widths

- (1) Curbs and Gutters. Where approved curbs and gutters are provided, the paving widths back to back of curbs shall be not less than the following:
 - (A) major streets and highways--49 feet;
 - (B) collector streets--37 feet;
 - (C) minor (residential) streets--31 feet;
 - (D) marginal access streets--27 feet; and
 - (E) cul-de-sacs--27 feet.
- (2) No Curbs and Gutters. Where curbs and gutters are not provided, the paving widths shall not be less than 20 feet on all streets.
- (3) Grades
 - (A) Unless necessitated by exceptional topography street grades shall be not more than 10 percent nor less than one-half of one percent on any street.
 - (B) Grades approaching intersections shall not exceed five percent within a distance of not less than 100 feet from the center line of said intersection.
 - (C) Street grades shall be established wherever practicable in such a manner as to avoid excessive leveling of topography by grading.
 - (D) All vertical curves shall have such length as necessary to provide safe sight distance and a gradual change in grade.
- (4) Circular Curve. When a street center line deflects at any point by more than 10 degrees, a circular curve shall be introduced, having a radius of curvature of said center line of not less than the following:
 - (A) major streets--300 feet;
 - (B) collector streets--200 feet; and
 - (C) minor streets--100 feet.
- (5) Tangents
 - (A) A tangent at least 100 feet long shall be provided between reverse curves on all streets.
 - (B) Streets shall be laid out so far as to intersect as nearly as possible at right angles and no street shall intersect any other street at less than 60 degrees.
 - (C) Street jogs with center line offsets of less than 100 feet on collector or major streets shall be prohibited.
 - (D) Intersections with a major street or highway less than 800 feet apart shall be avoided.
- (6) Cul-de-Sacs. Permanent dead-end streets and cul-de-sacs shall be no longer than 600 feet and shall be provided at the closed end with a turn-around having an outside roadway diameter of at least 80 feet and a street property line diameter of at least 80 feet and a street property line diameter of at least 100 feet.
- (7) Curb Cuts
 - (A) No portion of any entrance driveway leading from a public street shall be closer than 50 feet to the property line corner of any intersection measured from the right-of-way line in manufacturing and institutional districts and no closer than 20 feet in business and residential districts.
 - (B) The width of any entrance driveway leading from the public street shall not exceed 30 feet at its intersection with the curb or street line.

- (C) No two driveways leading from a public street shall be within 20 feet of each other measured along the full height of the curb.
- (8) **Corner Visibility.** No obstruction of any kind or nature to the visibility of vehicles on streets at intersections shall be erected, maintained or allowed to exist. This area of visibility shall be considered to be not more than three feet higher than the curb level and not less than 10 feet from the property corner.

*History Note: Authority G.S. 122-95; 143B-10;
Eff. March 21, 1980;
Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. August 24, 2019.*