21 NCAC 23 .0504 SYSTEM LAYOUT

- (a) An irrigation contractor shall install the irrigation system's components according to the design specifications and manufacturer's performance standards.
- (b) Microirrigation devices shall be installed at a spacing to meet the maximum irrigation requirements of the plants being irrigated. The flow rate of the microirrigation devices, soil types, and plant types must all be considered in selecting the spacing of the microirrigation devices.
- (c) Sprinklers shall be installed such that the spacing between sprinklers results in approximate "head-to-head" coverage, but in no event shall the spacing exceed the radius listed in the manufacturer's specifications. An irrigation contractor shall determine the radius by referring to the manufacturer's specifications for a sprinkler at a specific operating pressure.
- (d) Irrigation systems shall be installed such that they do not spray water onto or over surfaces made of concrete, asphalt, brick, wood, or any other continuous impervious material, such as walls, fences, sidewalks, and streets. The irrigation system as installed may spray water onto such surfaces due to irregularly-shaped hardscapes, wind drift, or fixed spray patterns of sprinklers.
- (e) Under sloping conditions, an irrigation system shall be installed with check valves to hold water in the piping system.

History Note: Authority G.S. 89G-5;

Eff. July 1, 2011;

Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. September 22,

2014;

Amended Eff. November 1, 2016.