

WQ-21 SPLIT TRACK AND SHARED DRIVEWAYS

1.0 Split Track and Shared Driveways

1.1 Description

The installation of shared driveways or split track driveways is a practice that reduces the total amount of impervious cover. Reducing the impervious area decreases stormwater runoff volumes, peak flow rates and potentially lowers concentrations of suspended pollutants draining from a site.

1.2 Split Track Driveway Requirements

Split track driveways use two strips of paved surface separated by an inner pervious strip. Split track driveways are generally used for residential developments and may only be used in high density urban areas. The following design guidelines are required for all split track driveway installations:

- The total width for split track driveways is 9 feet.
- Paved strips for split track driveways will be 3 feet in width.
- Pervious separating paved strips will be 3 feet in width.
- Driveway design will include concrete apron at adjoining street.

An alternate design for Split Track Driveways is to use Pervious Pavement (see *Greenville County Technical Specification WQ-16: Pervious Pavement*) at the lower ¼ length of driveway. The Pervious Pavement will start just outside of the road right-of-way.

1.3 Shared Driveway Applications

Shared driveways are generally used for residential development but could also be appropriate for other land uses such as commercial development depending on site layout and specific serviceability needs. Shared driveways are particularly relevant to urban area residential development due to relatively low traffic demands and high development density. Benefits of this strategy for residential developments include; larger pervious lawns, meadows, forests, and/or gardens and reduced construction and maintenance costs for driveways and downstream stormwater infrastructure. Opportunities for implementing shared driveways are based on site specific factors such as; development density, site layout, parking requirements, and anticipated vehicular traffic demands.

1.3.1 Urban Area Shared Driveway Requirements

Shared driveways can be implemented in high density urban areas with a paved surface and unincorporated/non-zoned parts of Greenville County may use a paved or unpaved surface for shared driveways. The following design guidelines are required for all shared driveways in urbanized areas:

- Two or more owners may choose to utilize an alternate driveway (shared with one or more properties) to access their property, although they have 20 ft of road frontage to a Public or Private Road
- Two or more adjacent properties may use the same driveway for ingress and or egress, although each has 20 ft of road frontage to a Public or Private Road.
- Joint access and cross access should be promoted in Urban and Suburban areas properties with less than 50 to 60 feet along an Arterial street.
- Construct shared driveways to provide sufficient access for emergency vehicles.
- Construct shared driveways to provide adequate access to all adjacent properties.