PERVIOUS PAVEMENT SYSTEMS

- Uncompacted subgrade is critical for proper infiltration
- Geotextile fabric lines the subsurface bed and separates stone layers
- Permeable pavers
- Geotextile to cover aggregate base and separate gravel subgrade from aggregate base
- Perforated underdrain pipe
- Surface layer with void space of 15–20%
- Install aggregate base in maximum 8” lifts
- 8 inch gravel layer (No. 5 or No. 57 aggregate)
- Underdrains are required for all pervious pavement applications in Greenville County

PERMEABLE PAVERS

- Concrete curb set below top of pavers
- Permeable paver
- Geotextile along perimeter
- Turn up at curb (do not cover top of base)
- Bedding sand
- 8 inch gravel layer (No. 5 or No. 57 aggregate)

REINFORCED GRID SYSTEMS

- Topsoil with grass
- Geoblock/grid system
- Aggregate base
- Geotextile separator may be required for some conditions
- Subgrade

2–4 inches permeable asphalt or 4–12 inches permeable concrete with 15–20% void space

- 1–2 inch choker course layer with 1.5 – 0.0937 inch (No. 8 stone) crushed & washed stone
- 18–36 inch storage layer with 2.5 – 0.5 inch crushed & washed stone (No. 3 stone)
- 8 inch layer with 1.0 – 0.5 inch crushed & washed stone (No. 5 or No. 57 stone)

Greenville County
Storm Water Management

PERVIOUS PAVEMENT

STANDARD DRAWING NO. WQ–16A

APPROVED BY: ___________________ DATE: January 2019