Vegetated Filter Strip Feasibility Checklist

**Stormwater BMP Category**

- ✔ Receiving Low Impact Development Practice

**SWM Credits**

- ✔ SWM Criteria #1: Runoff Reduction
  - ☐ 60% reduction of $R_{RV}$ conveyed through vegetated filter strip on HSG A/B soils
  - ☐ 30% reduction of $R_{RV}$ conveyed through vegetated filter strip on HSG C/D soils

- ✔ SWM Criteria #2: Water Quality Protection
  - ☐ 60% reduction of $R_{RV}$ conveyed through vegetated filter strip on HSG A/B soils
  - ☐ 30% reduction of $R_{RV}$ conveyed through vegetated filter strip on HSG C/D soils

- ✔ SWM Criteria #3: Aquatic Resource Protection: Proportionally adjust CN to calculate $AR_{PV}$
- ✔ SWM Criteria #4: Overbank Flood Protection: Proportionally adjust CN to calculate $Q_{p25}$
- ✔ SWM Criteria #5: Extreme Flood Protection: Proportionally adjust CN to calculate $Q_{p100}$

**Site Feasibility**

**Contributing Drainage Area**
- ☐ ≤ 150’ length of flow path in pervious contributing drainage area
- ☐ ≤ 75’ length of flow path in impervious contributing drainage area

**Surface Area of Vegetated Filter Strip**
- ☐ ≥ 25’ length of flow path within the ‘receiving’ vegetated filter strip; or
- ☐ ≥ 15’ length of flow path within the ‘receiving’ vegetated filter strip if equipped with permeable berm
- ☐ ≥ 0.5% and ≤ 6% slope within the ‘receiving’ vegetated filter strip

**Site Topography**
- ☐ ≤ 3% slopes in the contributing drainage area; or
- ☐ > 3% slopes with terracing or level spreaders at 20’ intervals

**Water Table**
- ☐ No restrictions
- ☐ Consider use of pocket wetlands or wet swales in areas where shallow water table causes surface ponding

**Soils**
- ☐ No restrictions (although vegetated filter strips on HSG A/B soils provide greater benefits; consider soil restoration in HSG C/D soils)

**Site Applicability**
- ☐ Rural Use: Suitable for use on most rural (large lot) developments
- ☐ Suburban Use: Suitable for use on most suburban developments (e.g., designated open space areas)
- ☐ Urban Use: Generally not suitable due to lack of green space and sheet flow in urban/commercial areas; however filter strips may be used with appropriate sizing and sheet flow provisions.

- ☐ Construction Costs: Low Medium High
- ☐ Maintenance: Low Medium High