### Submerged Gravel Wetlands Feasibility Checklist

#### Stormwater BMP Category

- ✔ Limited Application Stormwater Management Practice

#### SWM Credits

- ✔ **SWM Criteria #1**: Runoff Reduction: no credit
- ✔ **SWM Criteria #2**: Water Quality Protection:
  - 80% TSS load reduction
  - 50% TP load reduction
  - 20% TN load reduction
  - 50% Metals load reduction
  - 70% Bacteria load reduction (estimated from limited data)

#### Site Feasibility

**Contributing Drainage Area**
- □ ≤ 5 acre Contributing Drainage Area (CDA) to Submerged Gravel Wetlands
- □ > 5 acre CDA to Submerged Gravel Wetlands (CDA can be larger than 5 acres with provisions)

**Surface Area of the Submerged Gravel Wetlands**
- □ 2% to 3% of CDA available for the BMP surface area

**Site Topography**
- □ ≤ 6% slope (average); area of practice should be as flat as possible (<2%)

**Depth of BMP**
- □ 3’ to 5’ for Submerged Gravel Wetlands

**Water Table**
- □ ≥ 2’ separation from SHWT at stormwater hotspots
- □ 0 to 2’ separation from SHWT when not treating stormwater hotspot

**Soils**
- □ low permeability
- □ Medium to high permeability requires a liner

#### Site Applicability

- □ Rural Use: Not suitable for rural development
- □ Suburban Use: Not suitable for use on suburban residential developments; may be suitable for use on small areas of commercial/business developments in suburban areas
- □ Urban Use: Suitable for urban and ultra-urban areas; and stormwater hotspots

**Construction Costs:** Low Medium High

**Maintenance:** Low Medium High