

Dry Wells Feasibility Checklist

Stormwater BMP Category

- Receiving* Low Impact Development Practice

SWM Credits

- SWM Criteria #1:** Runoff Reduction: subtract 100% of storage volume from RR_V
- SWM Criteria #2:** Water Quality Protection: subtract 100% of storage volume from RR_V
- SWM Criteria #3:** Aquatic Resource Protection: Proportionally adjust CN to calculate ARP_V
- 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

- $\leq 2,500 \text{ ft}^2$
- $\leq 150'$ length of flow path in pervious contributing drainage area
- $\leq 75'$ length of flow path in impervious contributing drainage area

Surface Area of Dry Well

- 5% to 10% of the size of the Contributing Drainage Area (CDA) (varies with soil infiltration rate)

Site Topography

- $\leq 6\%$ (average) slopes in the CDA
- $> 6\%$ (average) with provisions to address runoff velocity & soil erosion and sedimentation

Depth of BMP

- $\geq 2'$ total depth
- $\geq 1.5'$ total depth w/ shallow WT

Water Table

- $\geq 2'$ separation (bottom of practice to SHWT)

Soils

- $\geq 0.5''/\text{hr}$ infiltration rate (designed to drain within 24 hours)

Site Applicability

- Rural Use: Suitable for use in rural areas
- Suburban Use: Suitable for use on most suburban developments
- Urban Use: Suitable for use on most urban developments
- Construction Costs: Low Medium High
- Maintenance: Low Medium High