

BMP/design	SUSPENDED SEDIMENT	TOTAL PHOSPHORUS	TOTAL NITROGEN	OXYGEN DEMAND	TRACE METALS	BACTERIA	OVERALL REMOVAL CAPABILITY
EXTENDED DETENTION POND							
DESIGN 1	●	◐	◑	◑	◑	⊗	MODERATE
DESIGN 2	●	◑	◑	◑	◑	⊗	MODERATE
DESIGN 3	●	●	◑	◑	◑	⊗	HIGH
WET POND							
DESIGN 4	◑	◑	◑	◑	◑	⊗	MODERATE
DESIGN 5	◑	◑	◑	◑	◑	⊗	MODERATE
DESIGN 6	●	◑	◑	◑	◑	⊗	HIGH
INFILTRATION TRENCH							
DESIGN 7	◑	◑	◑	◑	◑	◑	MODERATE
DESIGN 8	●	◑	◑	◑	◑	◑	HIGH
DESIGN 9	●	◑	◑	◑	◑	◑	HIGH
INFILTRATION BASIN							
DESIGN 7	◑	◑	◑	◑	◑	◑	MODERATE
DESIGN 8	●	◑	◑	◑	◑	◑	HIGH
DESIGN 9	●	◑	◑	◑	◑	◑	HIGH
POROUS PAVEMENT							
DESIGN 7	◑	◑	◑	◑	◑	◑	MODERATE
DESIGN 8	●	◑	◑	◑	◑	◑	HIGH
DESIGN 9	●	◑	◑	◑	◑	◑	HIGH
WATER QUALITY INLET							
DESIGN 10	○	⊗	⊗	⊗	⊗	⊗	LOW
FILTER STRIP							
DESIGN 11	◑	○	○	○	◑	⊗	LOW
DESIGN 12	●	◑	◑	◑	◑	⊗	MODERATE
GRASSED SWALE							
DESIGN 13	○	○	○	○	○	⊗	LOW
DESIGN 14	◑	◑	◑	◑	○	⊗	LOW

KEY:

- 0 TO 20% REMOVAL
- ◐ 20 TO 40% REMOVAL
- ◑ 40 TO 60% REMOVAL
- ◒ 60 TO 80% REMOVAL
- 80 TO 100% REMOVAL
- ⊗ INSUFFICIENT KNOWLEDGE

- Design 1: First-flush runoff volume detained for 6-12 hours.
- Design 2: Runoff volume produced by 1.0 inch, detained 24 hours.
- Design 3: As in Design 2, but with shallow marsh in bottom stage.
- Design 4: Permanent pool equal to 0.5 inch storage per impervious acre.
- Design 5: Permanent pool equal to 2.5 (Vr); where Vr=mean storm runoff.
- Design 6: Permanent pool equal to 4.0 (Vr); approx. 2 weeks retention.
- Design 7: Facility exfiltrates first-flush; 0.5 inch runoff/imper. acre.
- Design 8: Facility exfiltrates one inch runoff volume per imper. acre.
- Design 9: Facility exfiltrates all runoff, up to the 2 year design storm.
- Design 10: 400 cubic feet wet storage per impervious acre.
- Design 11: 20 foot wide turf strip.
- Design 12: 100 foot wide forested strip, with level spreader.
- Design 13: High slope swales, with no check dams.
- Design 14: Low gradient swales with check dams.