







LEN BRADLEY, PE

Supervisor of Engineering // Associate

Resume // Registrations

BS, Civil Engineering, University of Cincinnati - 2004 PE in Maryland, New Jersey and Pennsylvania Governor's Statewide Water Resources Committee Member President-elect PSPE – Lincoin Chapter

My Passion and Expertise

Stormwater management, floodplain restoration, hydrology & hydraulics, and KCBS Certified BBQ Judge











































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Size Does Matter REQUIREMENTS & REGULATIONS

- 0 4,999 sf
 NPDES: Nothing Required
 Municipal: Check Ordinance
- 4,999 sf < 1 acre
 NPDES: E&S "Narrative"
 Municipal: Typically SWM Approval
- > 1 acre NPDES: NPDES Permit Municipal: SWM Approval

































REQUIREMENTS & REGULATIONS

Conventional. Collect > Detain > Release

- · Minimize Quantity of SWM Facilities
- Minimize Quantly of SWM Facilities
 Centralized Structural Practices
 Large Drainage Areas to Regional Basin
 Peak Rate Control Focus
 Large, Deep Basins in Lowest Point of Site
 Concentrated Discharge Points















4 UNITS DENSITY UNITS DENSITY UCREASE OF 9% 6 UNITS 5 UNITS

32

























































































































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