**NJ PINELANDS STORMWATER BMP–SOIL PROFILE CROSS-SECTION**

**Structure Name**

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**Test Pit 1**
- Show original ground surface elevation at each test pit location.
- Show depth and elevation of each horizon boundary in test pit logs.
- Show texture & moisture content(s) of each horizon in test pit logs.
- Show elevation of seasonal high water level in each test pit log.

**Test Pit 2**

**Test Pit 3**
- Show test pit depths are min. 8' below basin or twice (2x) max. water depth.
- Show elevation and permeability results (in./hr.) for each permeability test.
- Show max. water depth in BMP (between bottom of BMP and lowest spillway/outfall elev.)
- Show perm. tests in most restrictive soil to remain below the BMP invert (4x or 2x water depth).

**Test Pit 4**

**Test Pit 5**

**NOTES:**
1) Highest SHMT elevation = __________
2) Maximum calc. ground water mound elev. = __________
3) Lowest elevation (invert) of BMP bottom = __________
4) Distance between bottom of BMP and a. SHMT __________ b. Max. GW mound __________
5) Soil replacement is/is not proposed
6) If proposed, soil replacement extends to elev. __________
7) Elev. and rates of the perm. tests:

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**TESTS(S) CONDUCTED IN:** (add soil textures) characterize the most hydraulically restrictive soil to remain below BMP.

8) Soil loss extend a minimum of eight feet below BMP bottom or two times the maximum water depth in the BMP:
   a. Eight feet below the BMP bottom = elev. __________, or
   b. Two times the maximum depth of water (Dw) in the BMP (as defined by the lowest spillway elev.) (Dw x 2) = elev. __________.

Therefore the test pits must penetrate to min. __________ elev.

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**Design By:**
- N.J. No.
- Date
- Last Rev.