

**Did you know a rain garden should be dry 48 hours after a rain fall?**

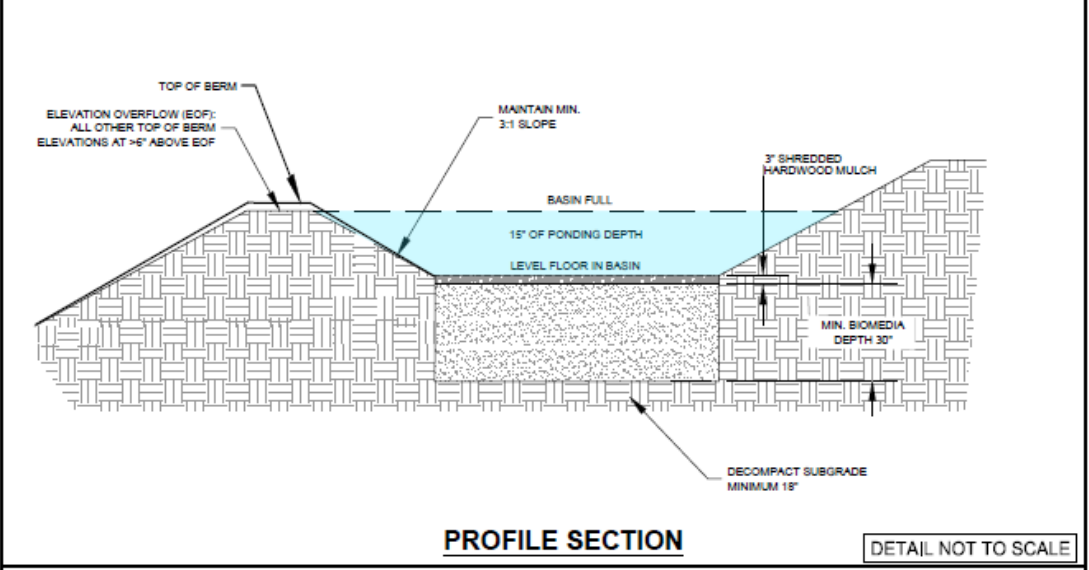
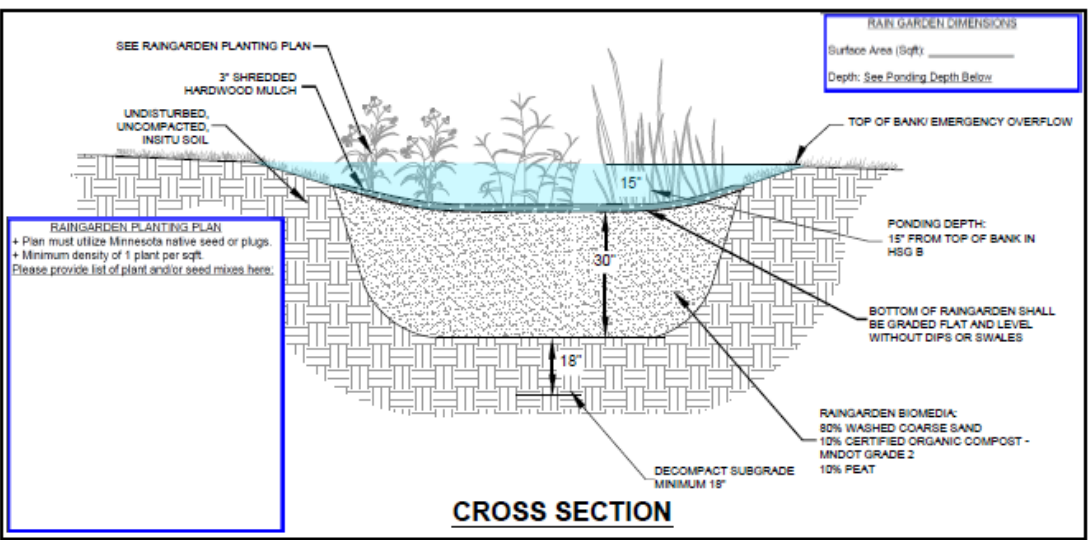
**Something to consider in your rain garden design.**

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**Biofiltration Rain Gardens** (with underdrain) These rain gardens will work in all soils type within the District (HSG A, B, C, & D) as a gate valve can be opened after 48 hours of a rain event to help draw the stormwater water through the biomedica before leaving cleaned via the drain.

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**Bioretention Rain Gardens** (without underdrain) These rain gardens are permissible in HSG A or B (sandy) as long if soils are not compacted and the rain garden doesn't hold water past 48 hours of storm event. Sandy soils are naturally good at infiltrating stormwater. Bioretention basins capture and allow time for the infiltration to occur.

\*Biofiltration is the CMSCWD recommended approach in all soils.

\*\*If staff inspections determine that a rain garden isn't draining properly the underdrain may become a required feature regardless of site soil classification.



**USE IN YOUR PLANS:** BLUE BOXES MUST BE COMPLETED. MUST DIRECTLY INCORPORATE ONTO PLAN OR BE CALLED OUT AND ATTACHED AS ADDITIONAL SHEET.  
**OTHERWISE:** DETAIL IS INTENDED FOR GUIDANCE PURPOSES ONLY; PERMIT APPLICATION SHALL INCLUDE PROJECT-SPECIFIC DESIGNS AND DETAILS FOR DISTRICT REVIEW.

**ADDITIONAL PERMITS MAY BE REQUIRED BEYOND DISTRICT PERMIT. PERMITTEE SHALL BE RESPONSIBLE FOR AND ACQUIRE ANY ADDITIONAL REQUIRED PERMITS.**

NOTES:  
 1. FULL EXCAVATION AND SOIL MEDIA IMPORT NOT PERMITTED UNTIL IMPERVIOUS AREA CONSTRUCTION IS COMPLETE WITHIN CONTRIBUTING DRAINAGE AREA AND PERVIOUS AREAS ARE SUBSTANTIALLY STABLE, AS DETERMINED BY ENGINEER. A MINIMUM OF 18" DEPTH OF IN SITU SOIL SHALL REMAIN IN BIORETENTION UNTIL ENGINEER APPROVAL.  
 2. IF FACILITY IS USED AS A TEMPORARY SEDIMENT BASIN, CONTRACTOR SHALL OVER-EXCAVATE AND IMPORT MEDIA PER ENGINEER DIRECTION AT COST OF CONTRACTOR.