

MIDS Credits: Swales

MIDS Work Group
April 19, 2013

Work Plan Drawings

- Barr will update the June 2012 draft swale drawings to address MPCA-compiled comments
- Tech Team:
 - Make the upstream face of the check dam 1H:6V or flatter
 - show the top of the ditch block as parabolic or curved
 - show a permanent Category (such as 6 or 7) of ECB
 - Update drawings to show elevated drain tile
- MPCA:
 - several changes

- Additional Comments:
 - Replace “erosion control” with “erosion and sediment controls”
 - Add note that flow shall be restricted from the swale until vegetation has been established
 - Fix typo
 - Replace “Imported Soil” with “Amended Soil”
 - Eliminate extraneous word
 - Use a different definition for topsoil

Work Plan Algorithms

- Barr will develop algorithms for TP, DP, and TSS for
 - swales with check dams and no drain tile,
 - swales with check dams and drain tiles, and
 - swales with planting media (bioretention) bases
- Tech Team:
 - Allow more Manning's n values
 - Change “soil type” to “infiltration rate” and allow the user to input actual values obtained with testing from the site

Work Plan Meetings

- Barr will meet with the swale tech team at one meeting
- Barr will present swale information to the MDS Work Group at two meetings