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
• 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.