

Minimal Impact Design Standards
(MIDS):
*Enhancing stormwater management
in Minnesota*

MIDS-Turf Subgroup



The MIDS Turf Group

Members:

- **Connie Fortin**
- **Mary Davy**
- **John Hanson**
- **Nick Olson**
- **Shane Missaghi**
- **Mike Trojan**
- **Bruce Wilson**
- **Anne Gelbmann**





Purpose:

to investigate if the
Minnesota Stormwater Manual
adequately addresses turf as a
viable BMP





The MIDS Turf Group

Actions:

- **3-4 Conference Calls,**
 - Collect available information, establish goals, get information, come up with recommendations
- **Website to gather information**

The screenshot shows the homepage of 'The Turf Group' website. At the top left is a header image of a green lawn with a grid pattern. To the right of the image is the title 'The Turf Group' and a search bar. Below the header image is a sidebar with links: 'MIDS Turf Subgroup', 'Calendar', 'Tasks & Actions', 'Project Documents Exchange Center', 'Sitemap', and 'Recent site activity'. The main content area features a 'Welcome' message, a '52 days since Next Conf. Call' countdown, and a '1 day until MIDS Meeting' countdown. Below these are sections for 'Recent site activity' and 'Recent Updates'. The bottom of the page has a footer with 'Announcements' and a 'Powered by Google Sites' notice.

The Turf Group

Welcome

This is the website of MIDS Turf Subgroup to evaluate turf (management) as a stormwater BMP as part of **Minimal Impact Design Standards (MIDS)** working group. MIDS is based on low impact development approach and is currently developing a **calculator** to help agencies and developers to determine and identify the most effective stormwater BMPs. Turf could play a major role in the calculation process. **The purpose of this group is to investigate if the Minnesota Stormwater Manual adequately addresses turf as a viable BMP.**

All contributions are welcomed!
Check out the "Project Documents" for latest meeting notes and other files.

52
days since
Next Conf. Call

1
day until
MIDS Meeting

Recent site activity

[Project Documents Exchange Center](#)
attachment from jhanson@barr.com
attachment removed by jhanson@barr.com
attachment from Shahram Missaghi
attachment from Nicholas Olson
edited by Shahram Missaghi

[MIDS Turf Subgroup](#)
edited by Shahram Missaghi

[Project Documents Exchange Center](#)
edited by Shahram Missaghi
attachment from Shahram Missaghi

[View All](#)

Tasks & Actions
Action items

Calendar
Important dates

Recent Updates
Site activity feed

Project Documents
IRB, Forms, Articles

Announcements: **We need to start adding files to the documents folder.**

[Sign in](#) [Recent Site Activity](#) [Terms](#) [Report Abuse](#) [Print Page](#) [Powered by Google Sites](#)



Recommendations:

*Turf ~~is~~ can be a
viable Stormwater
BMP*





Design Criteria:

*Turf like any other BMP
must follow the
Essential
Design
Elements*





Current Status:

turf is considered pervious,
but



Essential Design Criteria:

- *slopes, lot size*
- *sunny,* flow path,
- *good infiltration rates,*
- *dense turfgrass stand*
- *maintenance, Soils*
- *... → MN Stormwater Manual...*





Recommendations:

*#1: Turf can be a viable
Stormwater BMP*





Recommendations:

#2: Establish Turf Essential Design Elements that can guide

- *how much* (10% to 25% + soil amendments), *and*
 - *where*
- credits (both + & -) should be applied.*





The MIDS Turf Group

Thank You

