

# *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 Turf Group**

**MIDS Turf Subgroup**

Calendar  
Tasks & Actions  
Project Documents Exchange Center  
Sitemap  
Recent site activity

**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](#)

**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 Control adequately addresses turf as a viable BMP.**

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

**Tasks & Actions**  
Action items

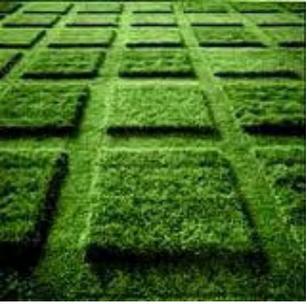
**Calendar**  
Important dates

**Recent Updates**  
Site activity feed

**Project Documents**  
IRB, Forms, Articles

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

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*Recommendations:*

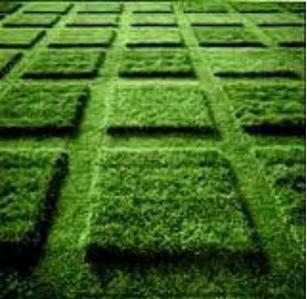
*Turf ~~is~~ can be a  
viable Stormwater  
BMP*



*Design Criteria:*

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

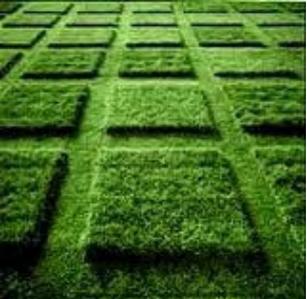




## *The MIDS Turf Group*

*Current Status:*

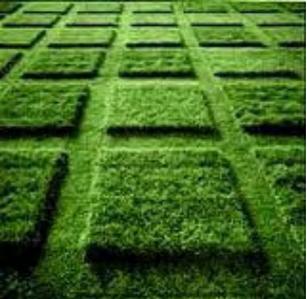
turf is considered pervious,  
*but ....*



*Essential Design Criteria:*

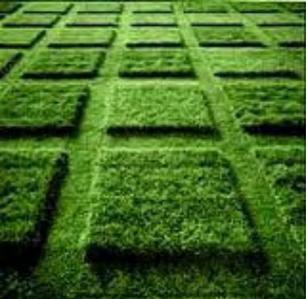
- *slopes, lot size*
- *sunny,* flow path,
- *good infiltration rates,*
- *dense turfgrass stand*
- *maintenance, Soils*
- *... → MN Stormwater Manual...*





*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.*



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# Thank You