

# Stratford Addition Raingardens

## City of Avon

Stormwater Bio-Retention



### Practice :

Stormwater Bio-Retention

### Target Waters :

Middle Spunk Lake

### Year Constructed :

2011

### Components :

- Infiltration
- Native Planting
- Mulch

### Benefits :

- Hydrology Benefits
- Sediment Removal
- Nutrient Removal
- Wildlife Habitat

### Partners :

- City of Avon
- Stratford Homeowners
- Initiative Foundation
- Avon Area Lakes Association
- BWSR

### Watershed :

Upper Mississippi Watershed

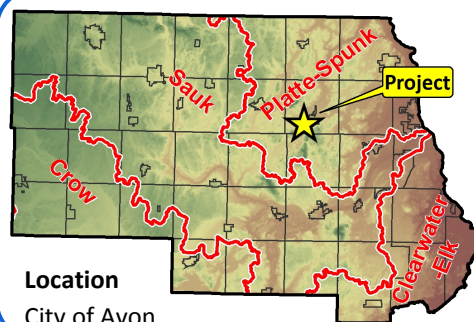
**Project Description:** The Stratford Homeowners Association identified a stormwater runoff issue that was impacting Middle Spunk Lake. A watershed approach was taken to address the situation and the drainage areas impacting Middle Spunk Lake. The Stearns County SWCD worked with a local consulting firm to develop the project, situate the BMP's in the most ideal locations and implement the plan. In all, 40 BMP's were established in the 93 lot development to treat the stormwater runoff before entering Middle Spunk Lake.

### **Pollution Reduction Estimates:**

Phosphorus 15.9 Lbs./Yr.

### **Volume Reduction Estimates:**

Outflow 13.2 Ac./Ft.



Location  
City of Avon

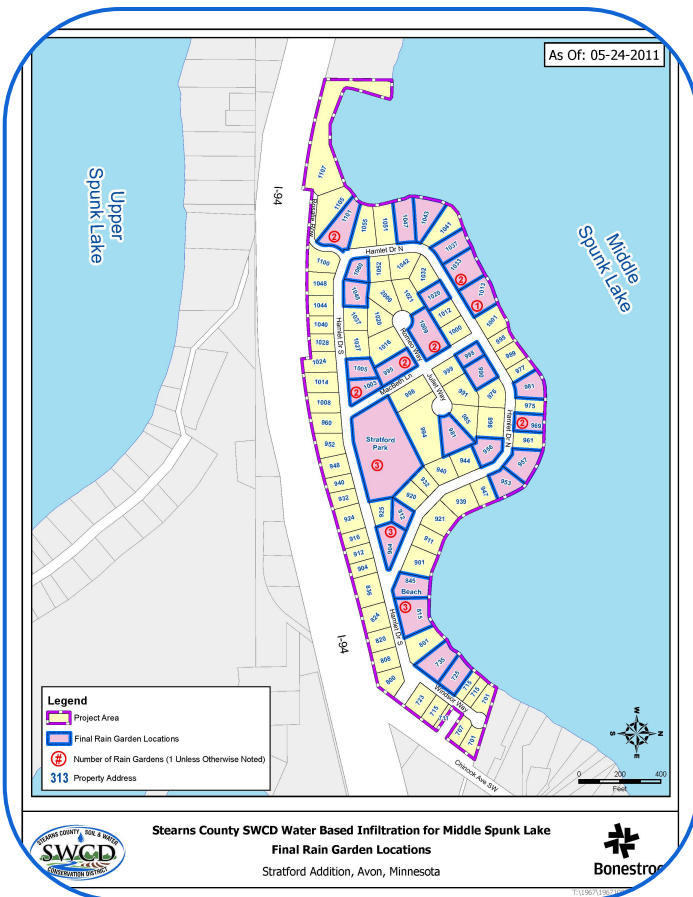
Stearns County Soil and Water Conservation District  
110 2nd Street South, Waite Park, MN 56387

Ph: 320-251-7800 x3  
[www.stearnscountyswcd.net](http://www.stearnscountyswcd.net)



## Stratford Addition Raingardens - Stormwater Bio-Retention

*"What a unique project and partnership! The success achieved because of the local residents was "off the charts"!" – Greg Berg, SWCD Shoreland Specialist*



## Project Planning Meetings



## Staked Raingarden



### Raingarden Under Construction

**Funding:**

State Funds*	\$ 146,881
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Private Funds	\$ 16,000
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\* Administered by Stearns SWCD  
BWSR Clean Water Funds



## Finished Raingarden