



Village of Shorewood Hills, WI

A History of Stormwater Issues and Events since 1993



*your
trusted partner*

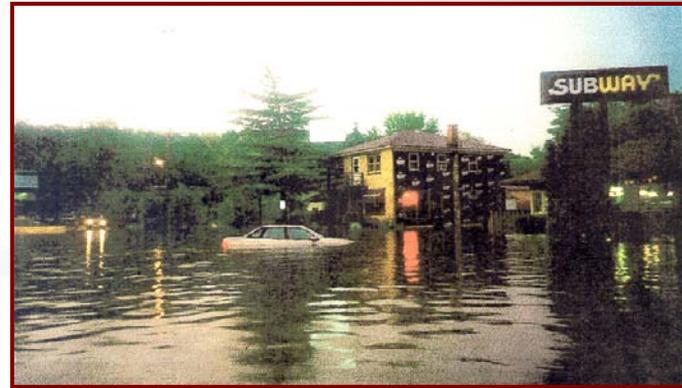
helping you be more successful

MSA
PROFESSIONAL SERVICE

Water Quantity Timeline

Flooding of University/Midvale Ave Intersection & Garden Homes

1992 & 1993



Partners

INTEGRITY • EXCELLENCE • INNOVATION

MSA

PROFESSIONAL SERVICES

Water Quantity Timeline

Flooding of University/Midvale Ave Intersection & Garden Homes



June 2000

Partners

MAKING SURE WE HAVE YOURS

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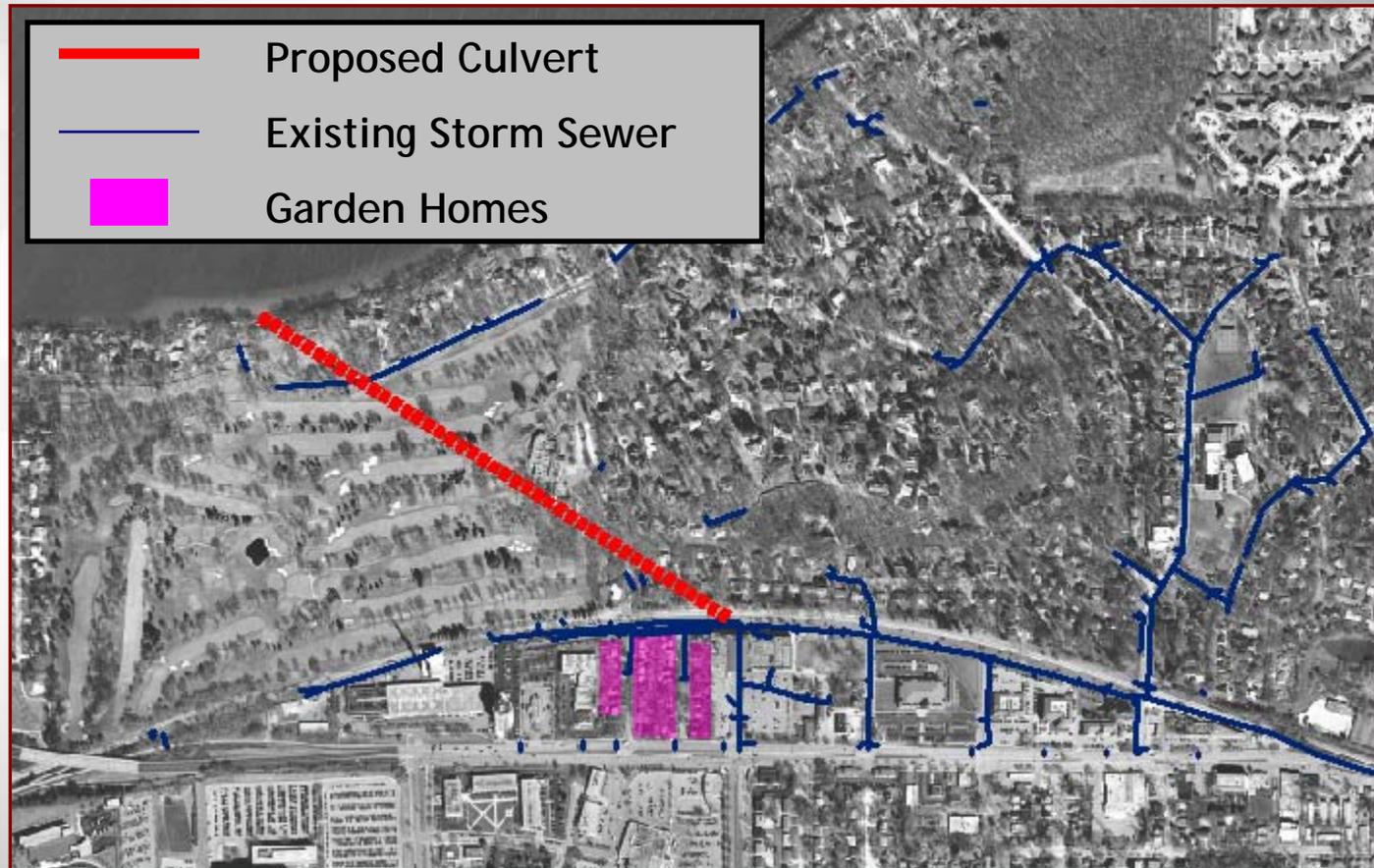
Water Quantity Timeline

Proposed Stormwater Relief Culvert

- Oct. 1997 Stormwater study recommends 108" diameter stormwater relief culvert for an estimated cost \$7 million.
- Dec. 2000 Village residents express concern about environmental impacts and cost of proposed culvert
- Feb. 2001 Environmental report on proposed culvert
- Fall 2001 Culvert project rejected
- 2002-2003 Other Flood Control Measures Implemented
 - »University Avenue berm constructed
 - »Shorewood Commons detains runoff
 - »Streets elevated & storm grates improved (Locust & Burbank)

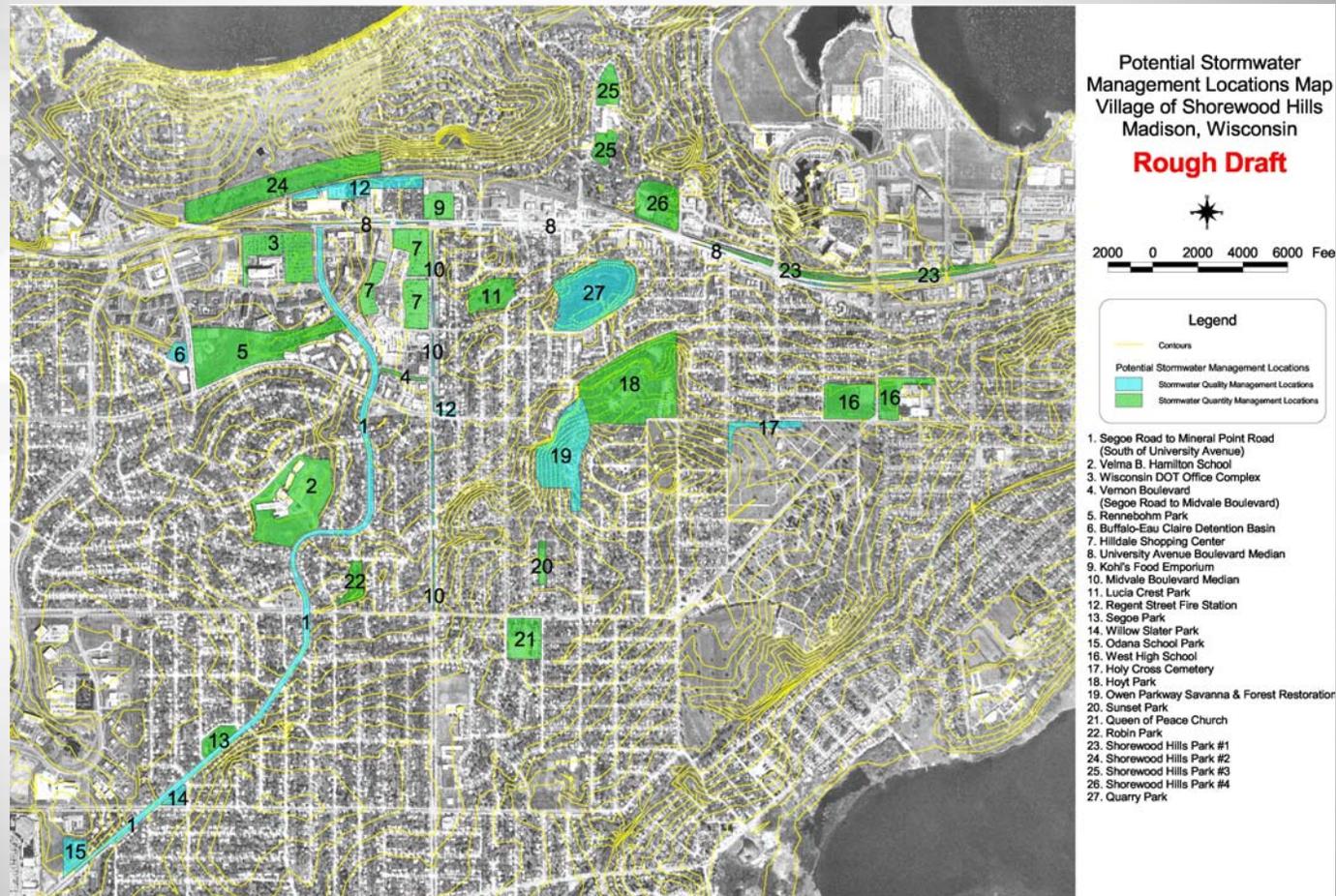
Water Quantity Timeline

Proposed Stormwater Relief Culvert



Water Quantity Timeline

Flood Relief Alternatives Plan



Water Quantity Timeline

Proposed Stormwater Relief Culvert

- 2002-2003 Other Flood Control Measures Implemented
 - » University Avenue berm constructed
 - » Shorewood Commons detains runoff
 - » Streets elevated & storm grates improved (Locust & Burbank)



Water Quality Timeline

Municipal Stormwater Permit Program

- Aug. 1997 NR 216 WPDES Municipal Stormwater Permit Program Rules Adopted
- Jan. 1999 Village of Shorewood Hills Designated Phase I WPDES Regulated Community
- Sept. 2002 NR 151 Municipal Runoff Management Standards Adopted
 - » Reduce TSS in runoff by 20% by 2008
 - » Reduce TSS in runoff by 40% by 2008
 - » Public Education & Involvement
 - » Municipal Housekeeping Practices
 - » Illicit Discharge Detection & Elimination
 - » Ordinances

Water Quality Timeline

Madison Area Municipal Stormwater Permit Group (MAMSWaP)

- April 2000 MAMSWaP Permit Group Formed
- Jan. 2003 MAMSWaP Info and Educ Plan Complete
- March 2004 Joint Municipal NR 216 Permit Issued
- Spring 2005
 - My Fair Lakes Media Campaign Launched
 - Plant Dane! Matching Grant Program
- Feb. 2007 Dane Waters Educational Stormwater Video Released

Water Quality Timeline

Madison Area Municipal Stormwater Permit Group (MAMSWaP)

- A legal partnership between nineteen Dane County municipalities to jointly submit their Municipal WPDES permit application.*
- The permit group meets quarterly and jointly funds a part time education coordinator, and other I&E activities.*

- Cities & Villages

- Fitchburg
- Madison
- Middleton
- Monona
- Sun Prairie
- Verona
- DeForest
- Maple Bluff
- McFarland
- Shorewood Hills
- Waunakee

- Towns

- Blooming Grove
- Burke
- Madison
- Middleton
- Westport
- Windsor

- Other

- Dane County
- UW-Madison

Water Quality Timeline

Stormwater Utility and Water Quality Planning

- April 2005 Village Submits WDNR UNPS Stormwater Planning Grant Application
 - Stormwater Utility Development
 - Stormwater Quality Planning & Ordinances
- Aug. 2005 Village receives notice WDNR of grant award
- Oct. 2005 Preliminary Stormwater Utility Feasibility Study Completed
- Jan. 2006 Stormwater utility and water quality planning work begins
- Feb. 2007 Village Board approves 3rd reading of Stormwater Utility Ordinance
- Feb. 2007 Stormwater Task Force Forms
- Dec. 2007 UNPS Planning Grant Expires

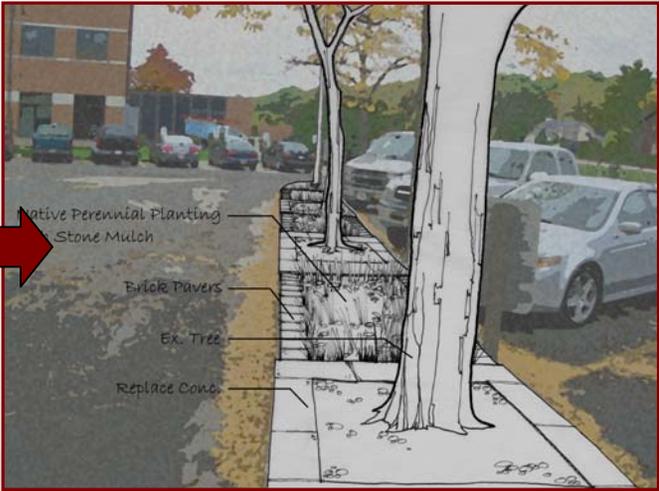
Water Quality Timeline

Stormwater Utility and Water Quality Planning



Shoreline
Channel
Stabilization

Green
Practices
Identification



Water Quality Timeline

Village Street Reconstruction Project

