



# ***CITY OF BLOOMFIELD HILLS***

## **2009 ROAD IMPROVEMENT PROGRAM**



**HUBBELL, ROTH & CLARK, INC**  
Consulting Engineers

Public Meeting #2 11/13/08

# City of Bloomfield Hills Road Improvement Program Introductions

---

- City Commissioners in Attendance
- Hubbell, Roth and Clark, Inc.
  - Mike Waring
  - Jamie Burton
  - Brad Shepler
  - Dana Calhoun
- City Staff
  - Jay Cravens –City Manager
  - Jamie Spivy – DPW Foreman



# City of Bloomfield Hills Road Improvement Program Brief Background

---

- City approved a 10 year Road Improvement Program – Year 3
- Local roads Barden, Guilford, & Keswick were selected for the this round of improvements
- Coordinating the road improvements with the water main improvements and intersection improvements at Vaughan, Barden, & Long Lake Roads
- Paving of gravel roads including Guilford and Denbar (SAD)
- Engineering design is 90% complete



# City of Bloomfield Hills Road Improvement Program

## Division 1

---

- Pressure Reducing Valve and water main improvements at Long Lake Road, Barden Road, & Vaughan Road Intersection
  - Improves pressure, quality, redundancy, and fire flow
- Intersection will be closed during construction (3-4 months)
- Disruption to water service will be minimal during this phase
- Local traffic maintained from the south
- Advanced signage/detour
- Enforcement



# City of Bloomfield Hills Road Improvement Program Division 1



# City of Bloomfield Hills Road Improvement Program

## Division 2

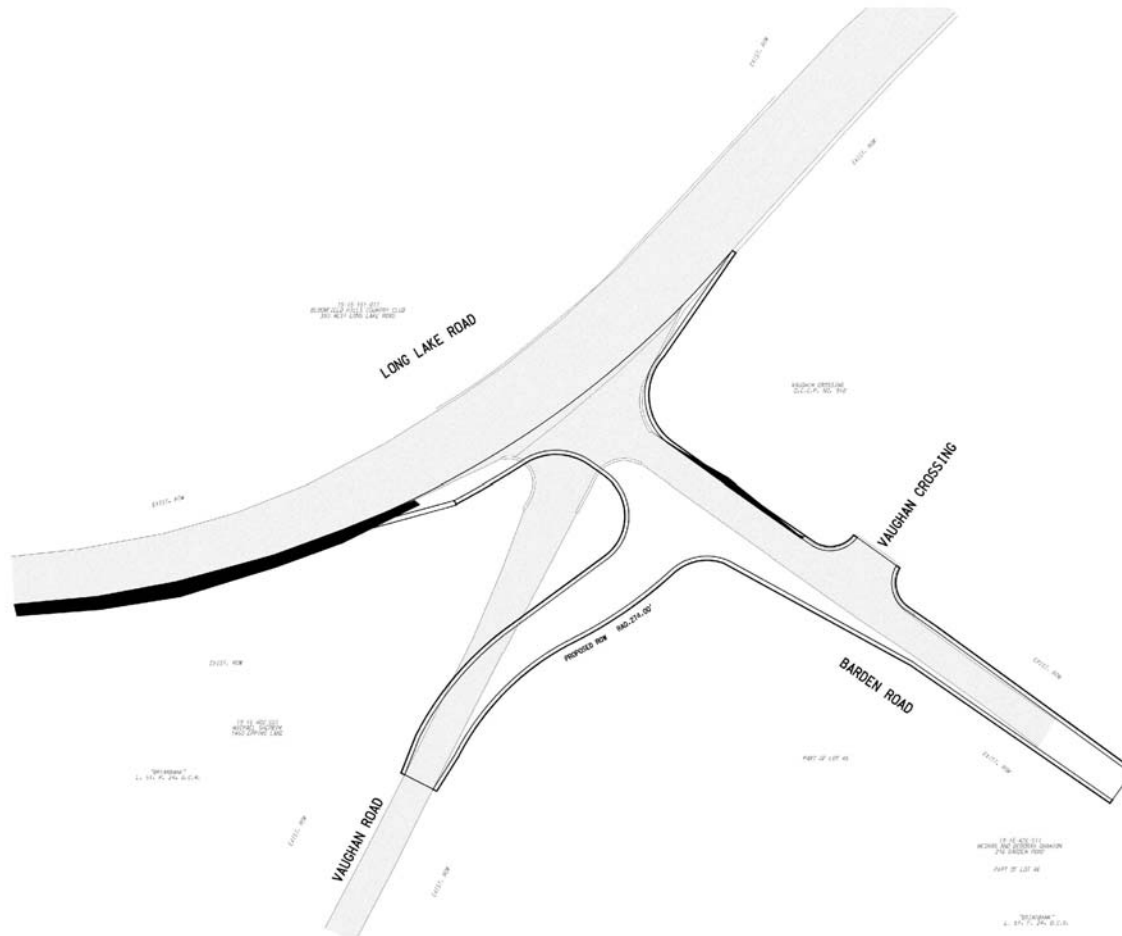
---

### Division 2- Intersection Re-Alignment at Long Lake, Barden, and Vaughan Roads

- Provide location for PRV
- Improve intersection safety
- Reduce traffic that uses Vaughan as a cut through



# City of Bloomfield Hills Road Improvement Program Division 2



# City of Bloomfield Hills Road Improvement Program

## Divisions 3 & 4

---

Division 3- Replacement of subdivision roads including Barden, Keswick, & Guilford and local water main improvements

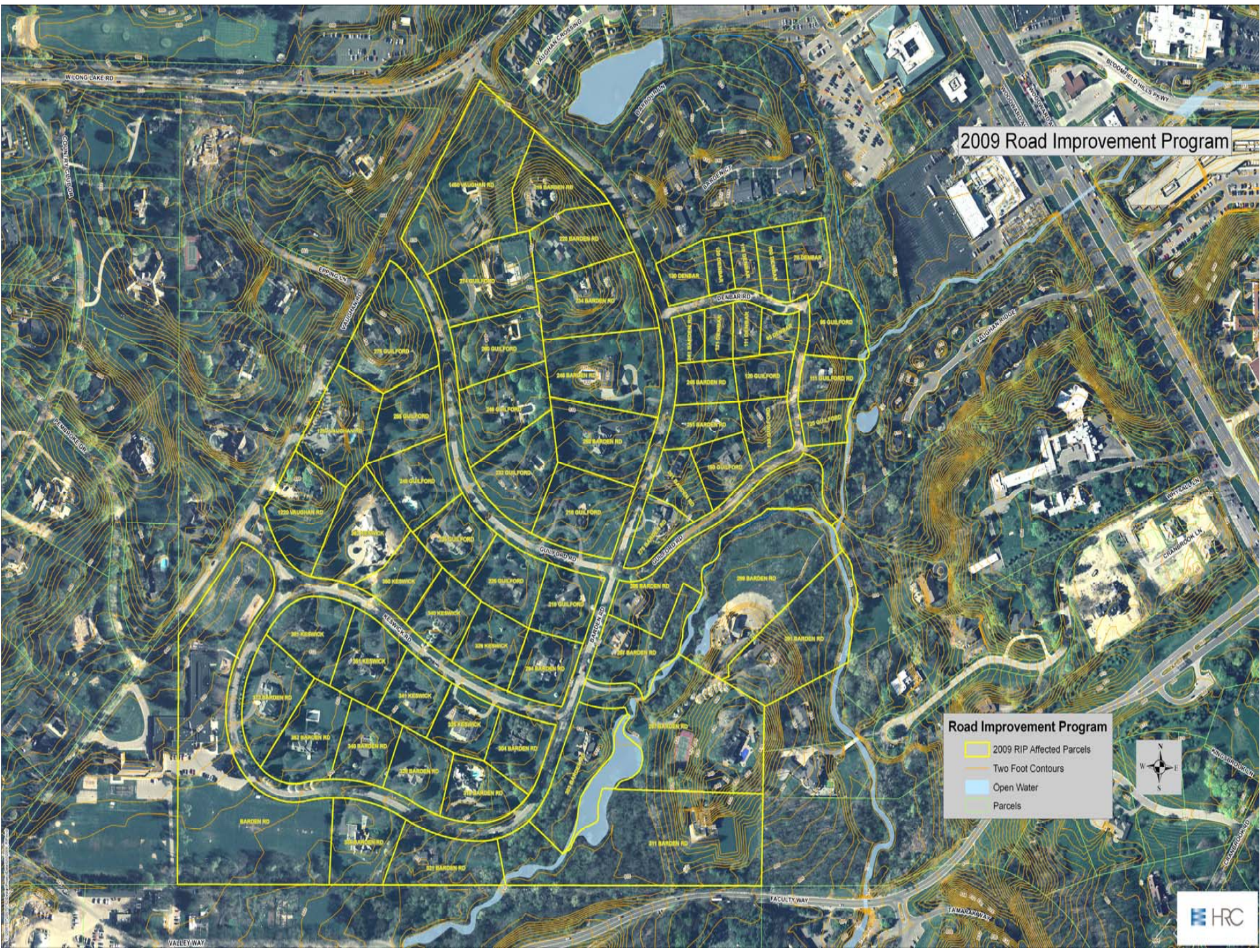
- Completely remove and replace pavement
- Minor drainage improvements
- Water main replacement on Guilford & Denbar
- Intersection modifications at Vaughan and Barden and Keswick and Barden
- Local traffic maintained
- Driveways open except 2-3 days in areas where curb & gutter is going to be installed

Division 4- Special Assessment District for the paving of the gravel portion of Guilford and all of Denbar

- Road will be graded and re-aligned to be placed into the center of the ROW



# 2009 Road Improvement Program



**Road Improvement Program**

- 2009 RIP Affected Parcels
- Two Foot Contours
- Open Water
- Parcels



# City of Bloomfield Hills Road Improvement Program Construction Issues

---

## Division 3 “Y” Intersections

### ■ Vaughan/Barden Intersection

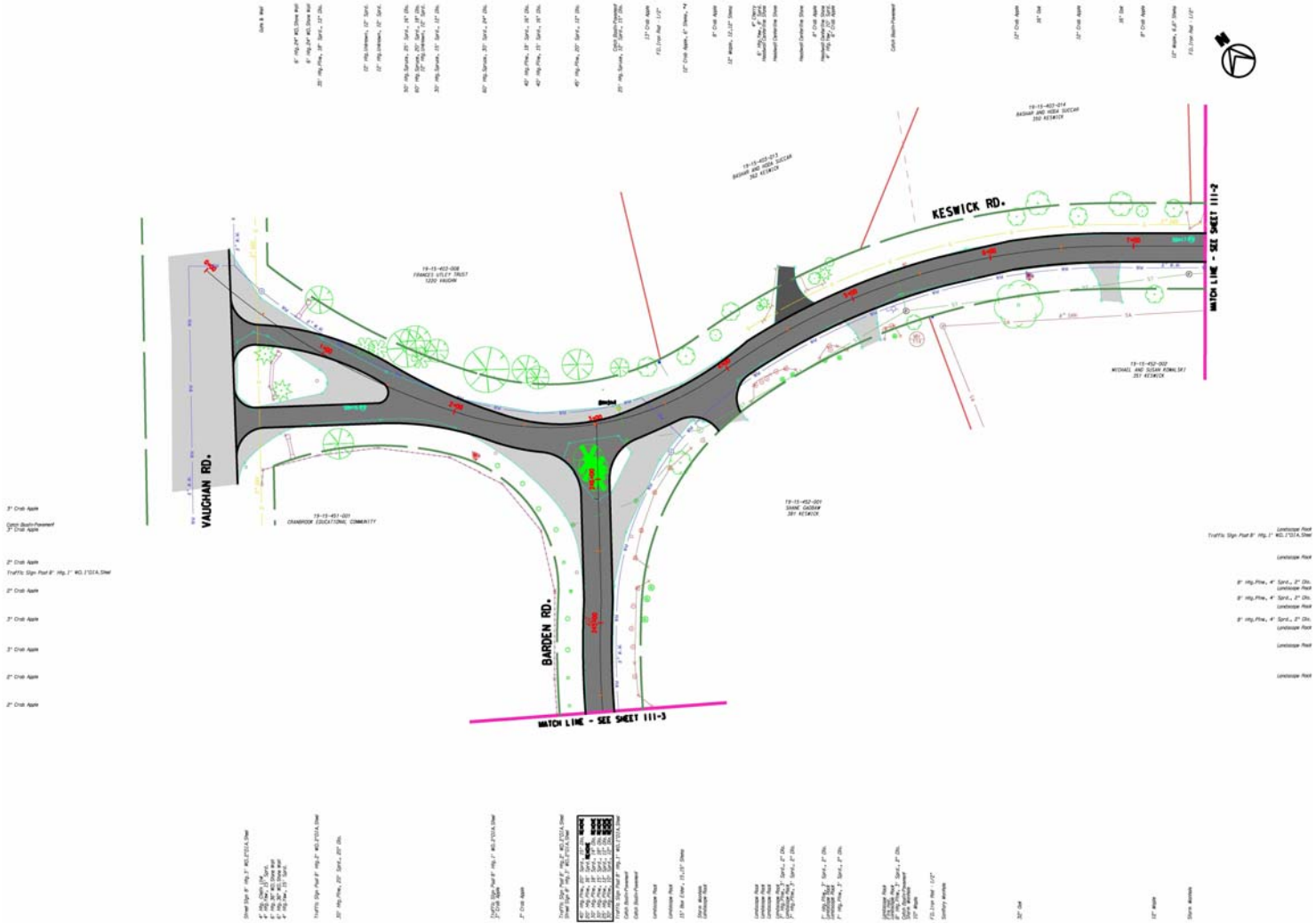
- Modifications to intersection to meet safety and design standards
- Decorative walls at entrance to subdivision shall remain

### ■ Keswick/Barden Intersection

- Re-aligned for Barden to tee into Keswick
- Uncontrolled to controlled intersection
- Less impervious surface, more green space
- Opportunities for innovative “Green” stormwater management practices

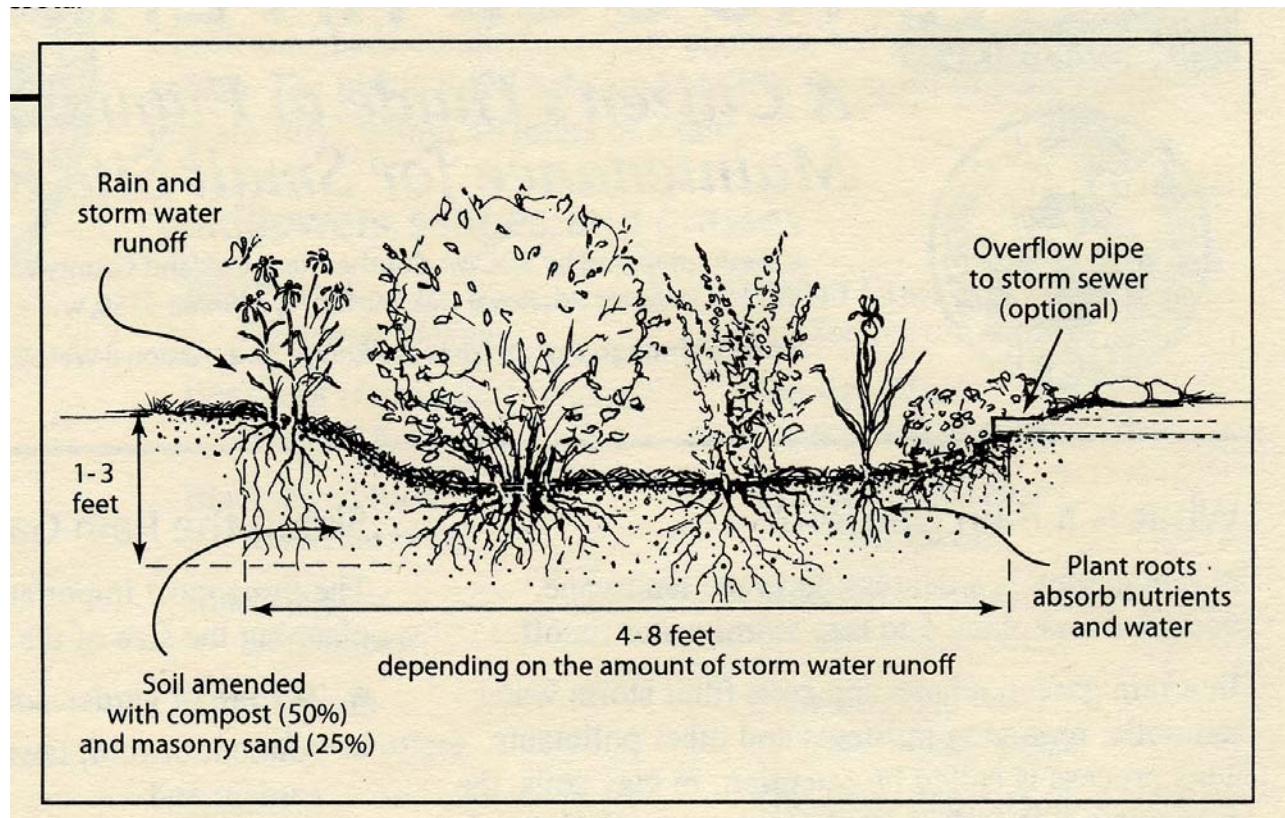


# City of Bloomfield Hills Road Improvement Program Division 3

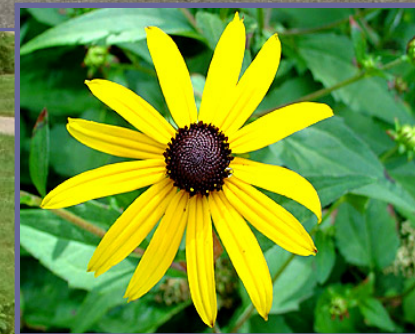
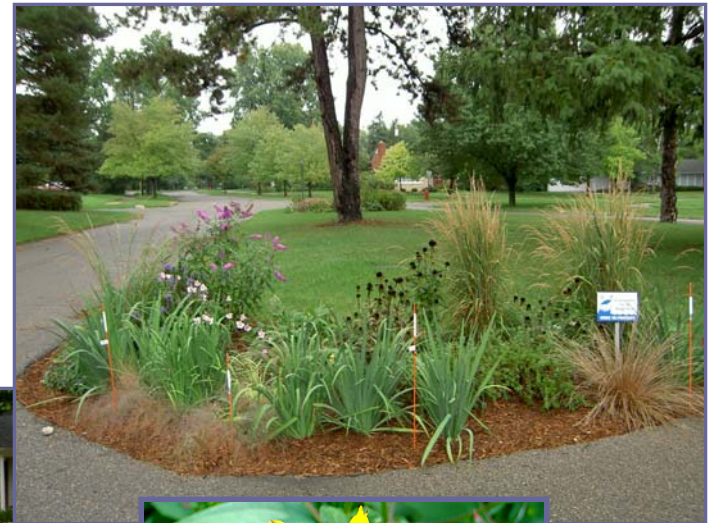


# City of Bloomfield Hills Road Improvement Program Rain Gardens

Opportunities for Innovative “Green” Storm Water Management Practices



# City of Bloomfield Hills Road Improvement Program Rain Gardens



# City of Bloomfield Hills Road Improvement Program Construction Issues

---

## Division 3 Water Main Improvements

- Purpose
- Pipe bursting water main replacement
  - Reduces excavation and associated restoration
  - May require temporary water service to affected customers



# City of Bloomfield Hills Road Improvement Program Construction Timeline Summary

---

- Second Public Meeting in November 2008
- Bid Advertisement in November 2008
- Bid Award in December 2008
- Start construction in February 2009
- Construct PRV and Water/Utility Improvements at intersection (February through April)
- Construct Long Lake/Barden/Vaughan Intersection Improvements (April through May)
- Construct local road pavement improvements for Barden, Keswick, and Guilford (April through August)



# City of Bloomfield Hills Road Improvement Program Q&A Format

---

## General Questions

## Specific Questions

- Individual Basis
- Around City Hall



# City of Bloomfield Hills Road Improvement Program Interested in Knowing?

---

## Various Concerns

- Drainage
- Utilities
- Irrigation Systems
- Lighting, Invisible Dog Fences, Landscaping, etc.
- Special Events



# City of Bloomfield Hills Road Improvement Program Contacts

---

- City website [www.bloomfieldhillsmi.net](http://www.bloomfieldhillsmi.net)
- City Hall 248.644.1520
  - Mayor Mike Zambricki
  - City Manager Jay Cravens
- Hubbell, Roth and Clark, Inc.
  - Brad Shepler, P.E. Project Engineer
    - 248.454.6356
    - [bshepler@hrc-engr.com](mailto:bshepler@hrc-engr.com)

