



E. Dean Ave., Allis Ave., Seth Cir. and Tyler Cir. Reconstruction 2021

**Public Informational Meeting
by City of Madison Engineering Division
12-17-2020**

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- ✓ All attendees should stay be **muted** to keep background noise to a minimum.
- ✓ You may use the **“raise hand”** option at the bottom if you have something that required immediate clarification.
- ✓ Use **“chat”** option if you are having technical issues and a staff person can try to assist.
- ✓ Please use the **“Q&A”** option at the bottom of the screen to type your question. Questions will be answered at the end of the presentation. Inappropriate questions may be dismissed.



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It is a public record subject to disclosure.

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Make sure to join audio

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Recording

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City of Madison

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For comments or ask additional questions.

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Use chat if you have technical issues or a question for the panelists

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Use Q/A if you have questions.
We will answer after the presentation

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City of Madison

Phone Call

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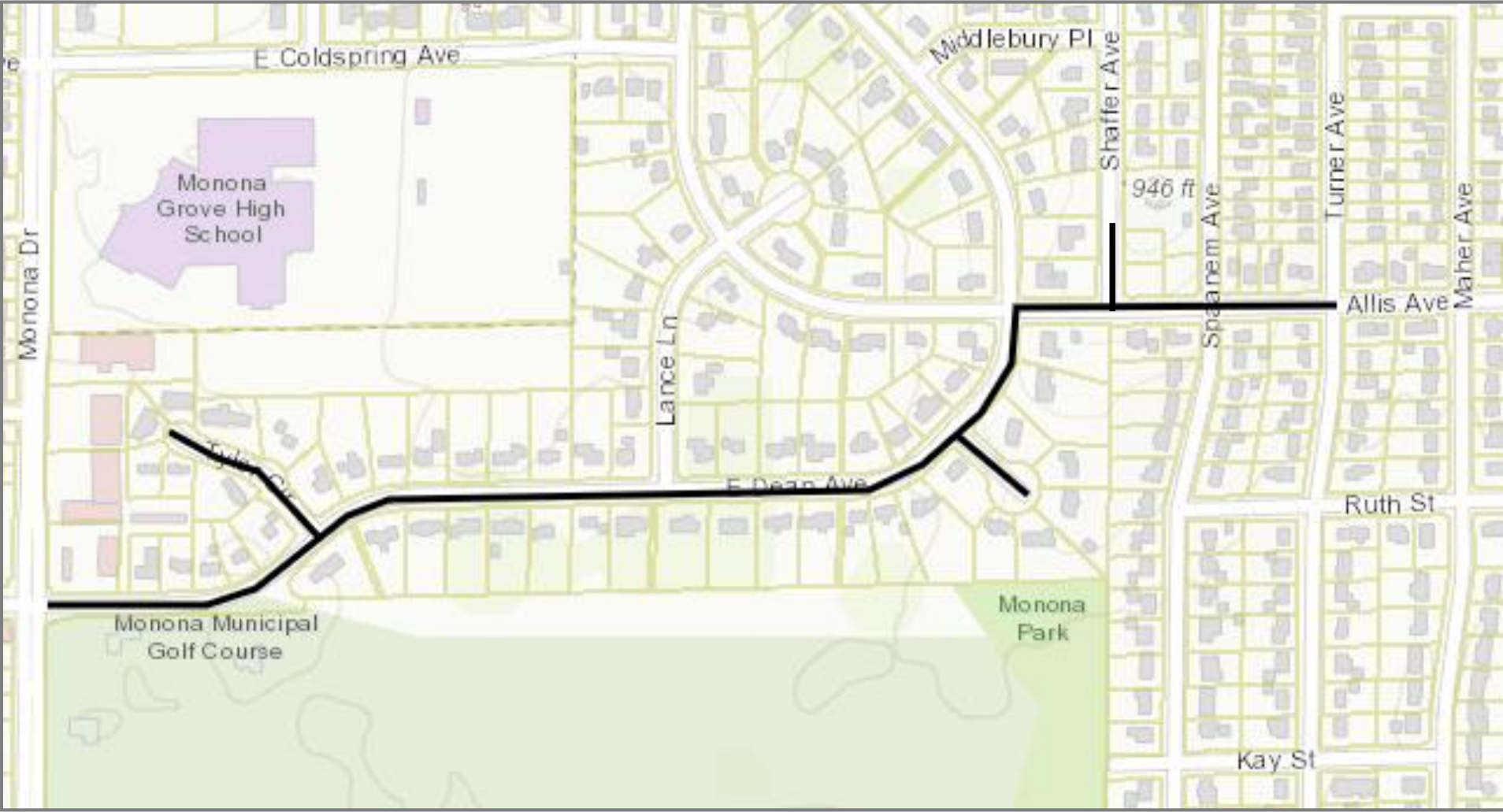
To leave the meeting click here



Meeting Outline

- Quick review of project limits & scope
- Summary of options & Transportation Commission
- More detailed review of Advisory Bike Lane option
- Update on stormwater drainage and treatment
- Assessments
- Schedule

Project Location



Proposed Scope of Work

- Replace City Utilities
 - Sanitary sewer main & laterals
 - Water main
 - Storm sewer
- Replace street infrastructure
 - Pavement
 - Curb & gutter
 - Sidewalk
- Improve drainage and stormwater treatment



Project Process Review

- Sent preliminary survey
 - Comments related to specific property concerns will be reviewed more closely with more detailed design
- Public Meeting #1 – 11/9/2020
- Updated design options and sent another survey
- Transportation Commission – 12/9/2020

Overall Street Design Goals

- Safe travel by all users
- Reduce speeds
- Maintain terrace space
 - Space for City services (leaf/brush collection, snow storage, etc.)
 - Space for larger canopy tree plantings
 - Opportunities for rain gardens (stormwater treatment)
- Improve drainage
- Consistent with City plans & polices that also includes neighborhood input
- 3 viable options for Dean Ave.

Design Options Overview – Option 1

- Typically 24 ft. wide street with standard sidewalks
 - Advisory bike lanes (edge lanes) marked with dashed lines
 - Parking areas added
 - More opportunities than other options for rain gardens & canopy tree plantings
 - Up to 15 requested rain gardens
 - Narrow street to help calm traffic
 - Speed humps



Advisory bike lanes look like dedicated bike lanes, except a dashed line is used in place of a solid bike lane stripe.

Design Options Overview – Option 2

- Typically 26 ft. wide street with wide sidewalk on south side
 - No lane markings
 - Parking allowed on one side of the street
 - Maintains some opportunities for rain gardens & canopy tree plantings
 - Up to 11 of 15 requested rain gardens
 - Narrower street to help calm traffic, bumpouts at intersections
 - Speed humps

Design Options Overview – Option 3

- Typically 32 ft. wide street to Lance, and 24 ft. street east of Lance, with standard sidewalks on both sides
 - New option since first meeting
 - Marked travel and bike lanes between Monona & Lance
 - More typical street design
 - Bike sharrows without lane markings between Lance & Allis
 - Parking pull-out areas to provide some on-street parking
 - Fewest opportunities for rain gardens and larger tree plantings
 - Up to 10 of 15 requested rain gardens
 - Wider street than other options
 - Higher overall project costs
 - Likely not as much of a traffic calming effect, but still includes speed humps

Design Options Overview – Allis Ave. Options

- Option A – 26 ft. wide street
 - Standard sidewalks on both sides
 - Parking allowed on one side of the street
 - Less pavement
 - Narrow street to help calm traffic
- Option B – 28 ft. wide street
 - Standard sidewalks on both sides
 - Parking allowed on both sides of the street
 - Narrower than Allis Ave. to east, but not as narrow as Option A

Input on Design Options

➤ Survey Results

- 28 of 42 respondents preferred Option 1 (2nd choice for 7)
- 8 preferred Option #2 and 6 preferred Option #3
- 25 of 34 respondents preferred 26 ft. option for Allis Ave. (Option A)

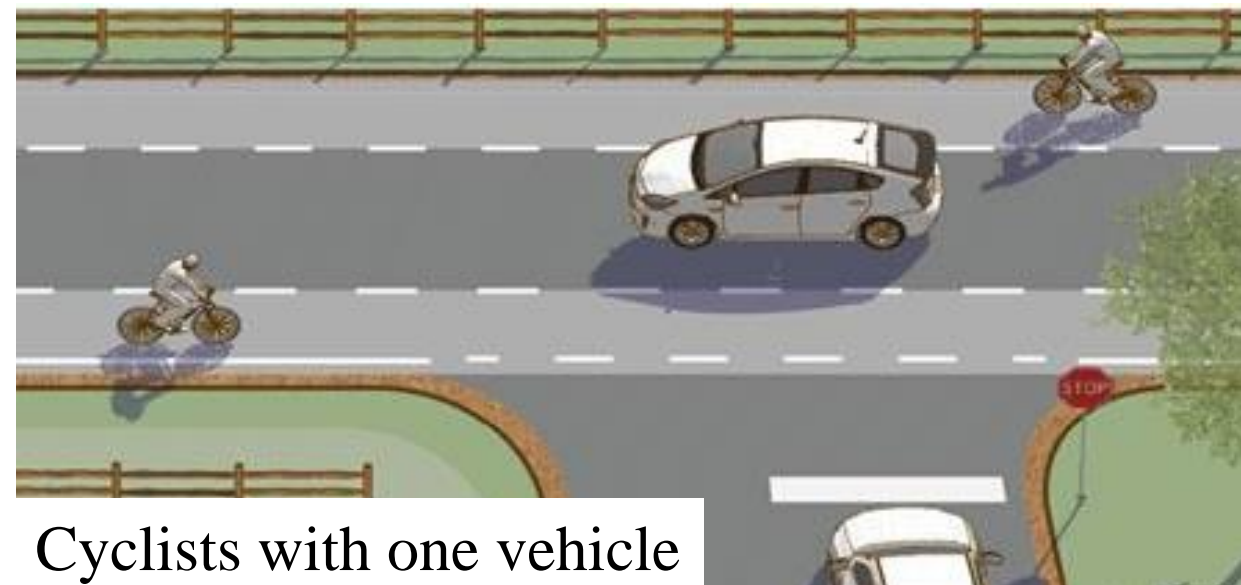
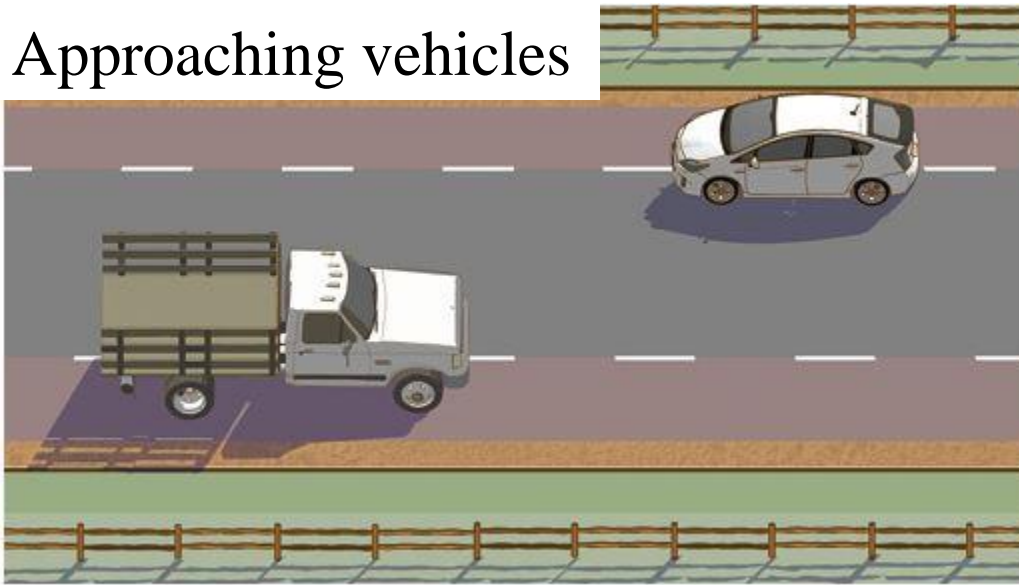
➤ Transportation Commission

- Reviewed designs on 12/9
- Recommended Option 1 for Dean, and 26 ft. Option for Allis Ave.
- Additional input from Commission
 - Evaluate Advisory Bike Lanes for potential use elsewhere
 - Review transition near Monona Dr.
 - Provide educational material when implemented

Dean Ave. Option 1

- Preferred option of N'Hood & Transportation Commission
- Advisory bike lanes
 - Functions similarly to typical local street
 - Provides greater awareness to use of street by cyclists
 - Vehicles use center lane; 2 approaching vehicles move over to pass
 - Yield to cyclists, if present

Approaching vehicles

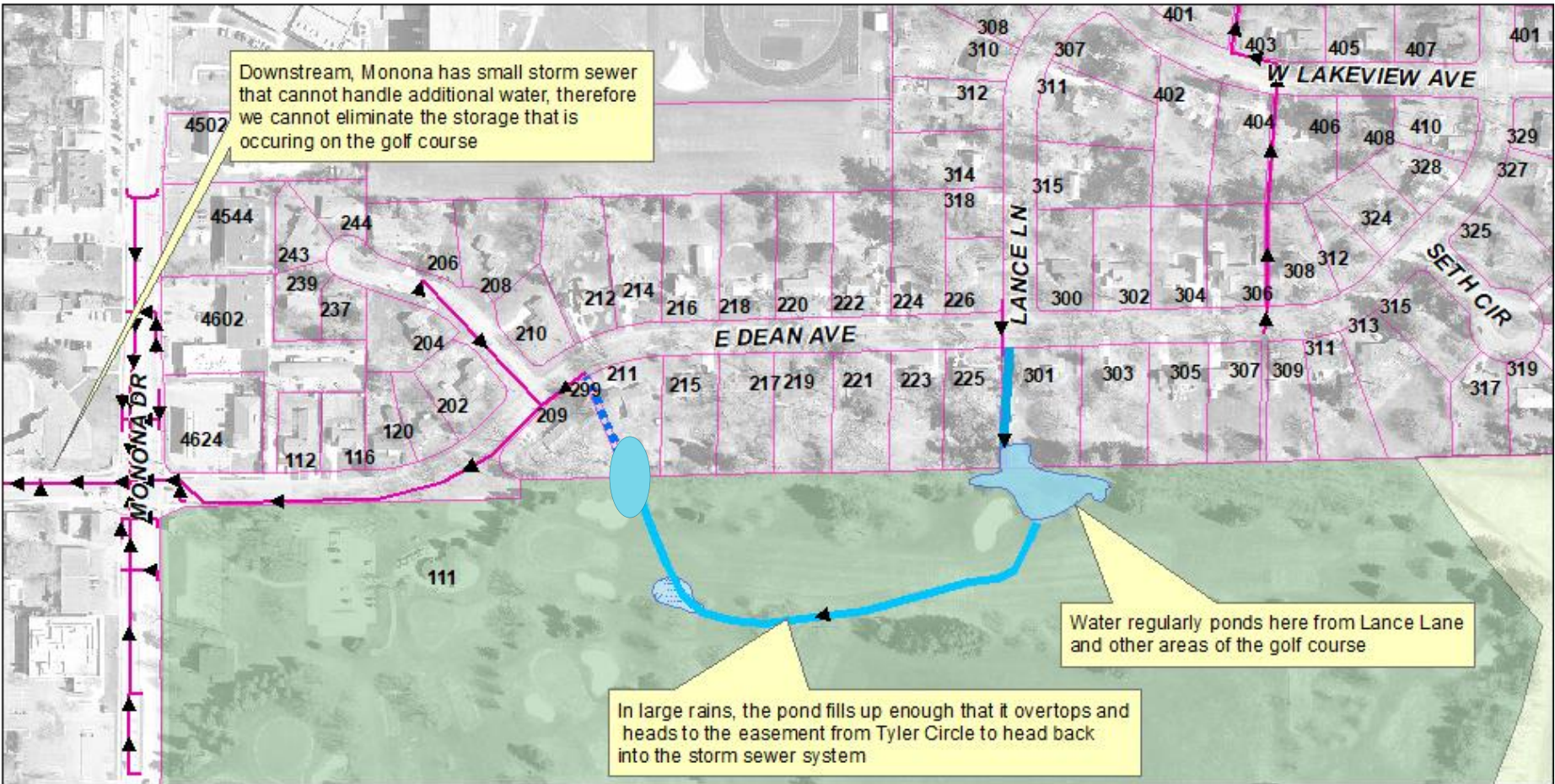


Cyclists with one vehicle

Dean Ave. Option 1

- Advisory bike lanes allow for narrower streets while still providing bike facilities
- Potential for future use within the City
- More detailed review of current plan with parking areas

Monona Golf Course - Part of Stormwater System



Downstream, Monona has small storm sewer that cannot handle additional water, therefore we cannot eliminate the storage that is occurring on the golf course

Water regularly ponds here from Lance Lane and other areas of the golf course

In large rains, the pond fills up enough that it overtops and heads to the easement from Tyler Circle to head back into the storm sewer system

- ■ ■ ■ Intended flowpath, but does not drain well

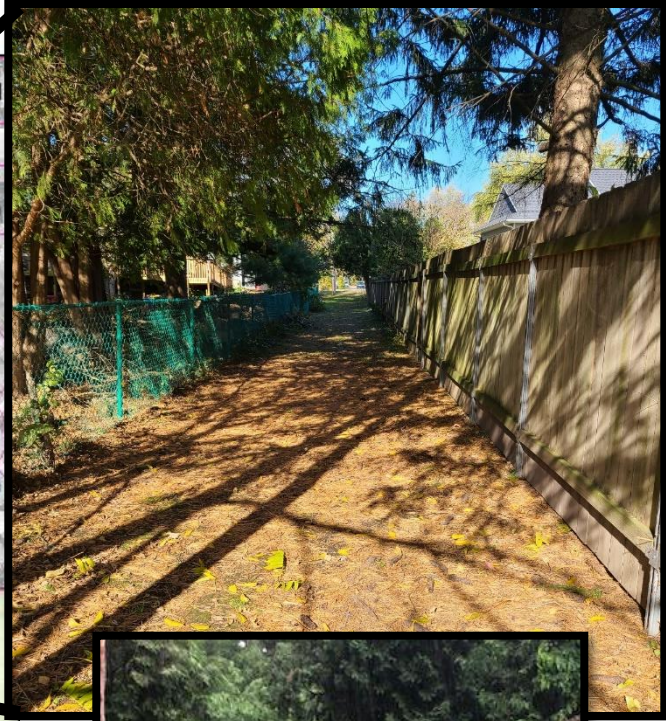
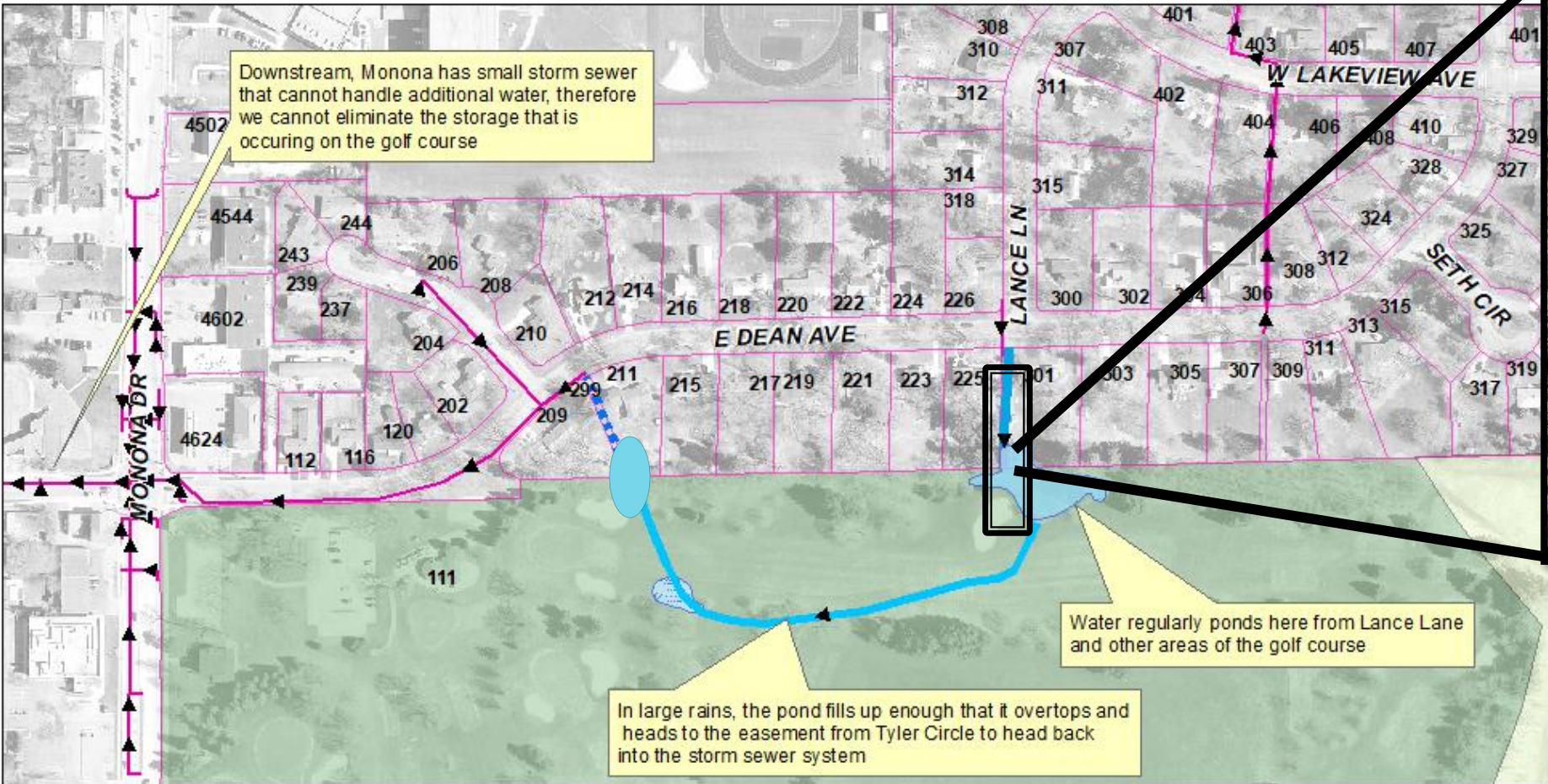
 Ownership Parcels
- ▶ Overland flow of stormwater

 Monona Golf Course
- ▶ Stormwater Pipes

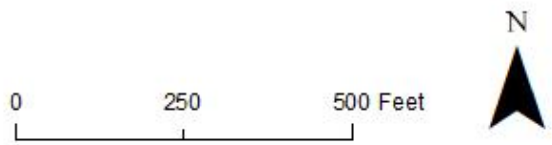
 Monona Park
- Water ponds in spring or high runoff event
- Fairway can be wet



Monona Golf Course - Part of Stormwater System

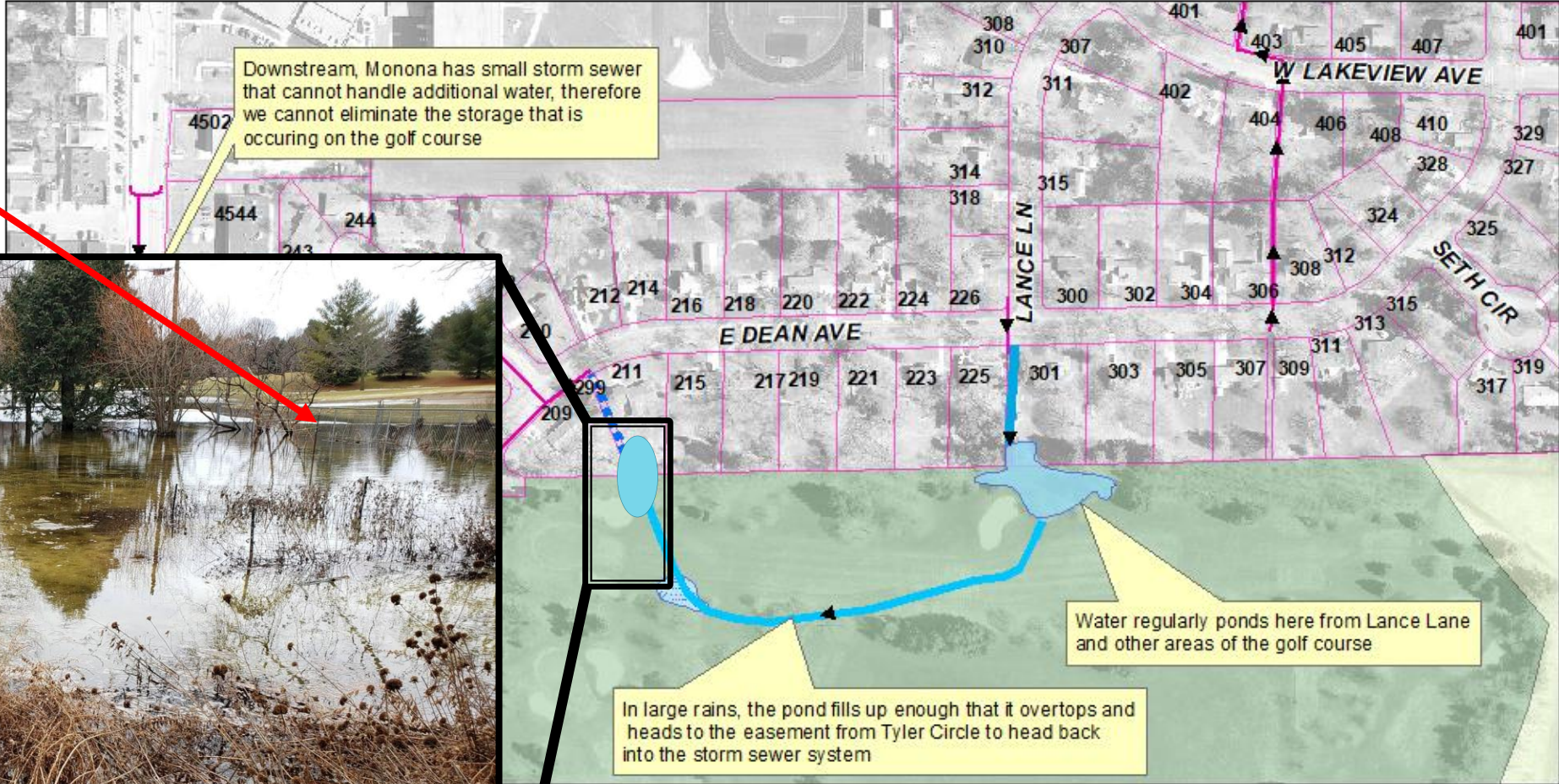


- Intended flowpath, but does not drain well
- ▶ Overland flow of stormwater
- ▶ Stormwater Pipes
- Water ponds in spring or high runoff event
- Fairway can be wet
- Ownership Parcels
- Monona Golf Course
- Monona Park



Monona Golf Course - Part of Stormwater System

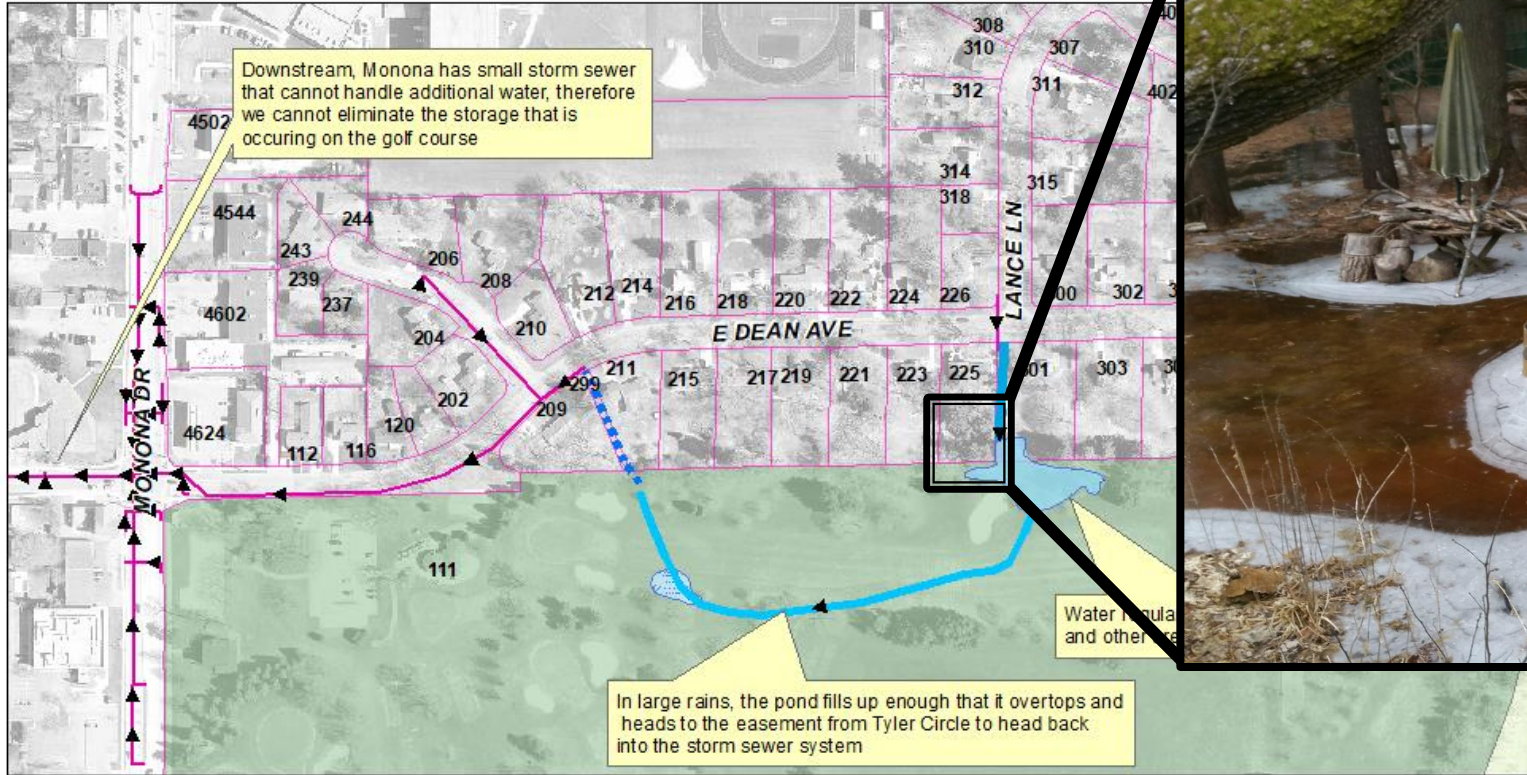
Property line



- Ownership Parcels
- Monona Golf Course
- Monona Park



Monona Golf Course - Part of Stormwater System



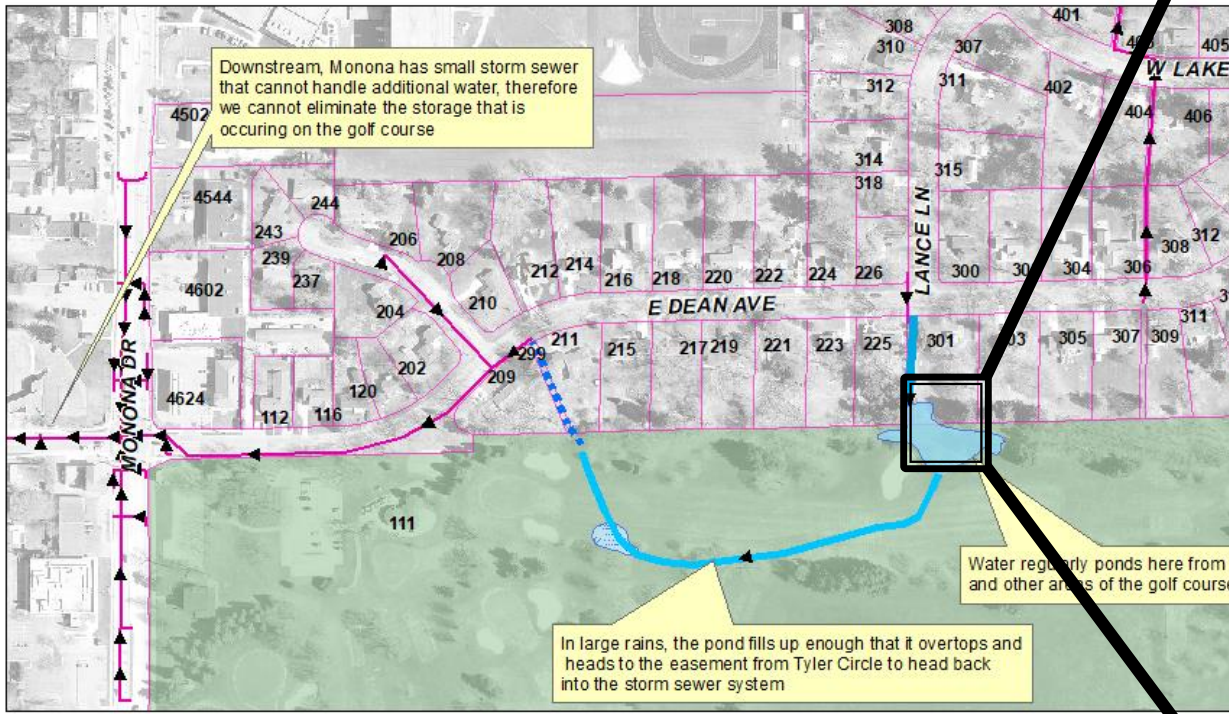
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0 250 500 Feet



Monona Golf Course - Part of Stormwater System

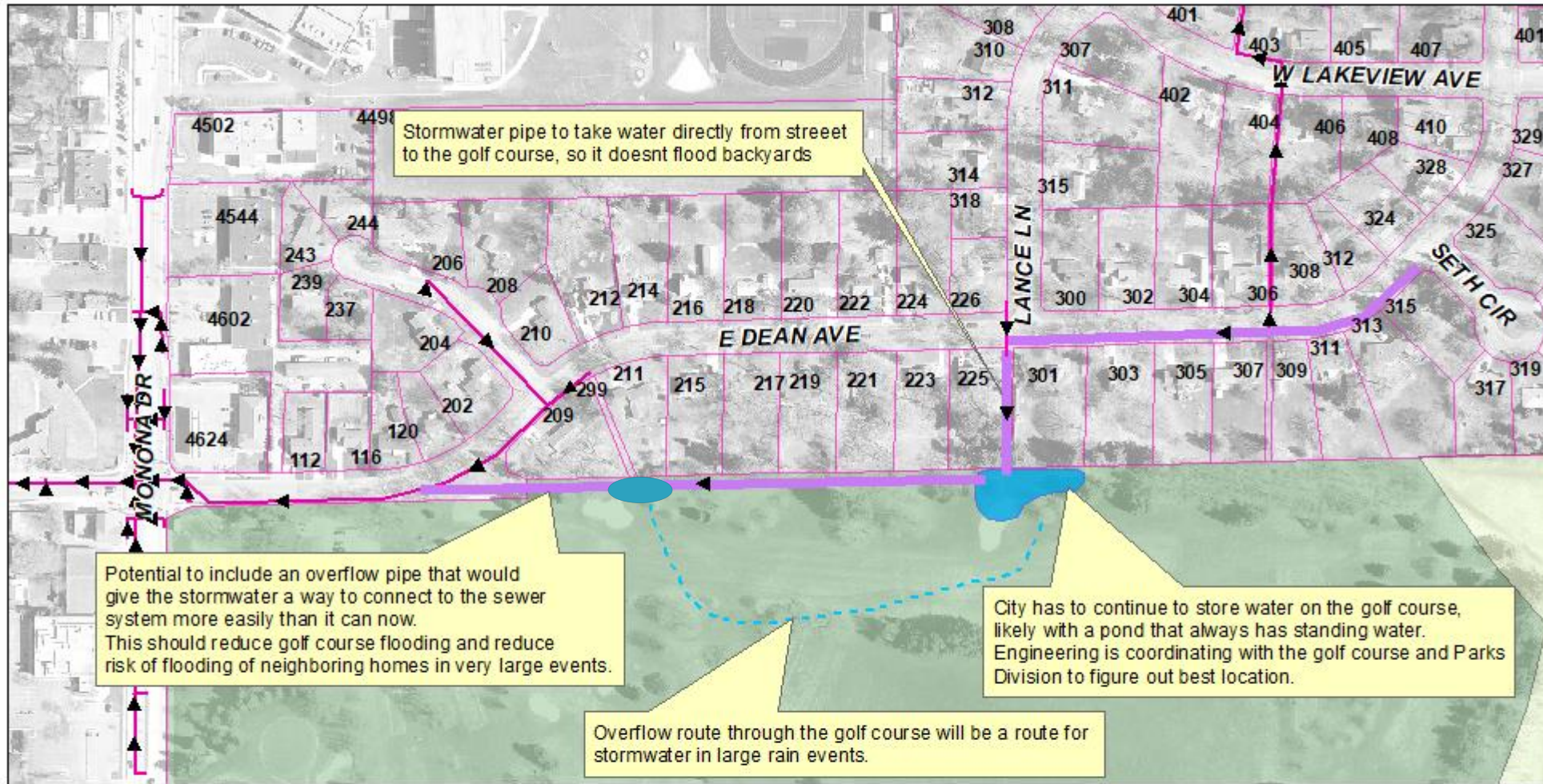
Property line



- Intended flow path, but does not drain well
- Overland flow of stormwater
- Stormwater Pipes
- Water ponds in spring or high runoff event
- Fairway can be wet
- Ownership Parcels
- Monona Golf Course
- Monona Park



Potential Stormwater System Improvements



- Preliminary concept shown
- Pond or bioretention could be at either or both low points
- Overflow pipe thru Golf Course
- Soil borings, tree survey and coordination with Parks/Golf Course/Water Utility will help narrow in on design

Why a pond?

Dean Ave

Water flowing
between houses

Golf course

Profile View

Why a pond?

Dean Ave

Water flowing between houses

Golf course

Underground storm sewer pipes will need to be installed with project to properly drain Dean Ave.

Profile View

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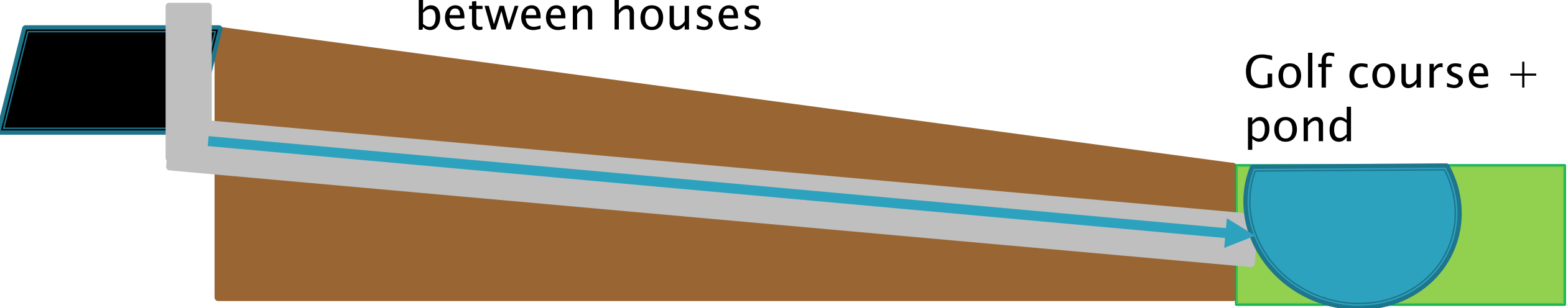


Why a pond?

Dean Ave

Water flowing between houses

Golf course + pond



Profile View

Terrace Rain Garden

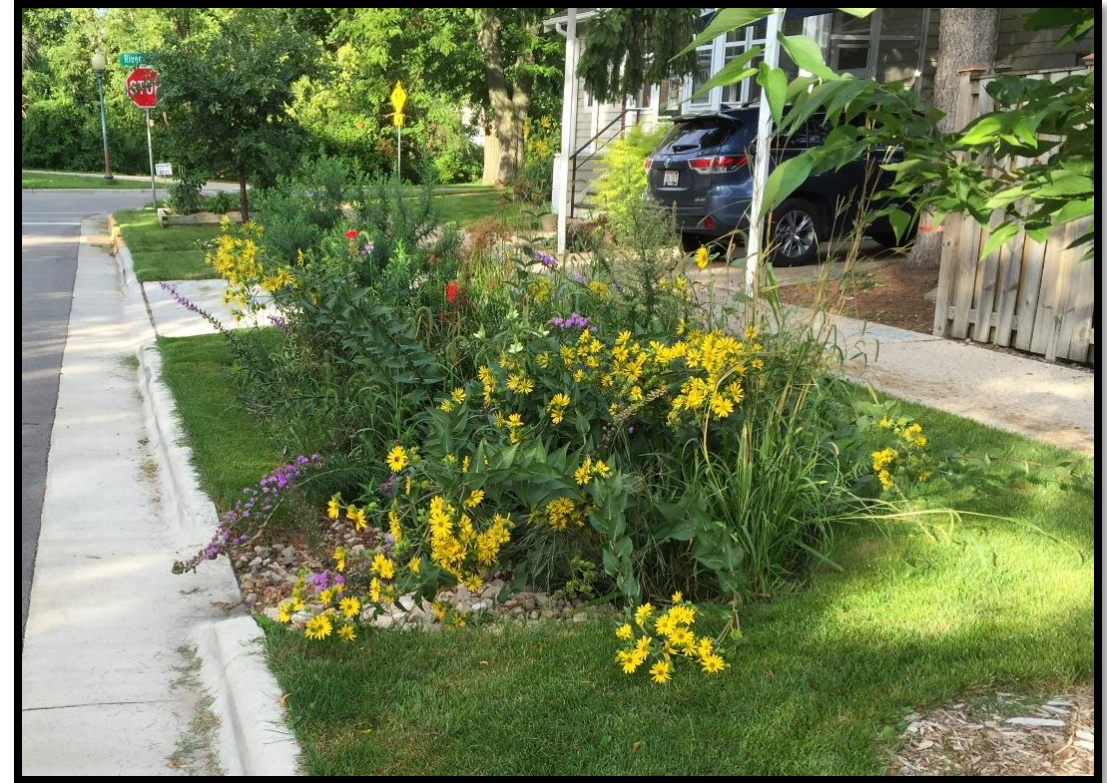


- ▶ Collects runoff from road
 - Will help to minimize flooding impacts to Monona Golf Course in smaller storms
 - Reduces nutrients going into lakes by infiltrating stormwater
- ▶ 1 foot deep (from top of curb)
- ▶ Planted with native vegetation
- ▶ Constructed and planted by City
- ▶ Maintained by residents
 - Maintenance information available
- ▶ **\$100** cost to residents

Learn more at: www.cityofmadison.com/TerraceRainGardens

Do You Want a Terrace Rain Garden?

- ▶ City hopes enough residents will want rain gardens that we can infiltrate 40% of runoff
 - This will also help reduce runoff that ends up at golf course
- ▶ Interested?
 - If you didn't indicate interest on the survey, please contact Jojo O'Brien directly:
 - Email: Jobrien@cityofmadison.com
 - Phone: (608) 266-9721



Learn more at: www.cityofmadison.com/TerraceRainGardens

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Next steps for stormwater design

- ▶ Soil borings—complete
- ▶ Tree quality/health survey—complete
- ▶ Topography survey—in progress
- ▶ Build flood model to help size ponds and overflow pipe—in progress
 - Will help understand existing flood risk & extent of potential flooding
- ▶ Draft grading in both low points to see impacts to trees and golf course
- ▶ Input options into model to see flood risk improvement
- ▶ Bring solutions to impacted residents, Board of Parks Commission, Board of Public Works

Assessment Policy & Costs

Item	Property Owner Share	City Share
Curb and Gutter & 4' of Pavement**	100%	100%
Remaining 12'–14' of Pavement	0%	100%
*Install new sidewalk**	100%	0%
Replace driveway apron	50%	50%
Storm Sewer	0%	100%
Private Storm Connects, if any	100%	0%
Pond and stormwater treatment	0%	100%
Terrace rain garden	\$100	Remainder
Sanitary Sewer Main	0%	100%
Sanitary Sewer Laterals to R/W	25%	75%
Water main & services	0%	100%

Notes: *Safe routes grant would cover 50% of costs to install new sidewalks

**Assess for ½ of frontages on 1 or 2 family corner properties



Assessment Policy & Costs

- ▶ All City reconstruction projects include assessments to adjacent properties based on the adopted policy
- ▶ Preliminary, estimated assessments mailed prior to project
- ▶ Final assessments calculated following construction using measured quantities and actual bid prices
 - Final billing sent in summer after construction (2022 for this project)
- ▶ Assessments are payable in lump sum or in installments at current interest rate (2%)
 - Will request an extension from standard 8 years to 15 years
 - Extension can only be granted by BPW, so notices will still indicate 8 yr

Assessment Policy & Costs

- ▶ Estimated Assessments for typical 100 ft. frontage
 - Street Improvements (curb and gutter and 4' of pavement): \$5,500
 - New sidewalk installation: \$3,500
 - Replace Driveway Apron: \$1,500
 - Replace Sanitary Sewer Lateral: \$2,000
 - Total Estimated Assessment: \$12,500
 - Less Safe Routes Grant for Sidewalk: \$1,750
 - Total Estimated Cost: \$10,750
- ▶ Total assessment approximately 15% of project cost

Construction, Access, and Impacts

- Streets will be closed to thru traffic during construction
 - Local access maintained
 - Driveway access for majority of project, closed for up to 3 weeks
- Standard work hours 7AM–7PM Mon–Sat, 10AM–7PM Sun
 - Limited weekend work anticipated
- 2 water shut-offs to each property, on average
 - Project may also require temporary water services
- Items in or near right-of-way will likely be disturbed
 - Within approx. 13' to 15' of the existing pavement
 - Contact Jim Wolfe with any questions
- Best guess construction timeframe: May 2021 to Sept. 2021

Anticipated Project Schedule

- 12/9/2020: Transportation Commission (Approved Opt #1 for Dean & 26' Allis Ave.)
- 1/8/2021: Mail Estimated Assessments, BPW Public Hearing Notice
- 1/20/2021: BPW Public Hearing (held virtually)
- 2/2/2021: Common Council Hearing (held virtually)
- 2/18/2021: Advertise for Bids
- 4/26/2021: Tentatively Begin Construction
- 8/30/2021: End Construction

Contact Information & Resources

➤ City Staff

- Jim Wolfe, Project Manager, 608-266-4099, jwolfe@cityofmadison.com
- Jojo O'Brien, Stormwater Engineer, 608-266-9721, jobrien@cityofmadison.com
- Renee Callaway, Ped & Bike Coordinator, 608-266-6225, recallaway@cityofmadison.com
- Alexandra Heinritz, Traffic Engineering, 608-267-1102, aheinritz@cityofmadison.com
- Pete Holmgren, Water Utility, 608-261-5530, pholmgren@madisonwater.org

➤ Project Website: <https://www.cityofmadison.com/engineering/projects/dean-ave-east-and-allis-ave>

- Sign-up for project email updates on the website
- Updates on closures & work progress will be posted to the project website
- Survey will remain open until 11/23/2020

➤ Facebook – City of Madison Engineering