

# Crystal Vista Study Area: Thornwood Lane Ditch and Storm Sewer



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ILLINOIS

February 19, 2019  
Stormwater Solutions & Stakeholder Engagement

## Thornwood Ditch and Storm Sewer Project

### Agenda:

- Discuss existing and proposed drainage patterns
- Present project benefits and impacts
- Discuss next steps and anticipated schedule
- Complete Property Owner Acknowledgement Form
- Available to meet one-on-one after presentation



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# Thornwood Ditch and Storm Sewer Project

## Existing Condition



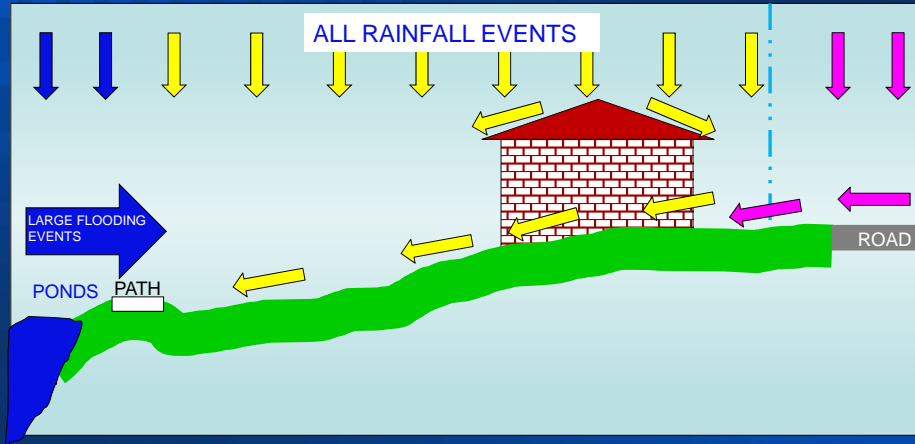
# Thornwood Ditch and Storm Sewer Project

## Proposed Project



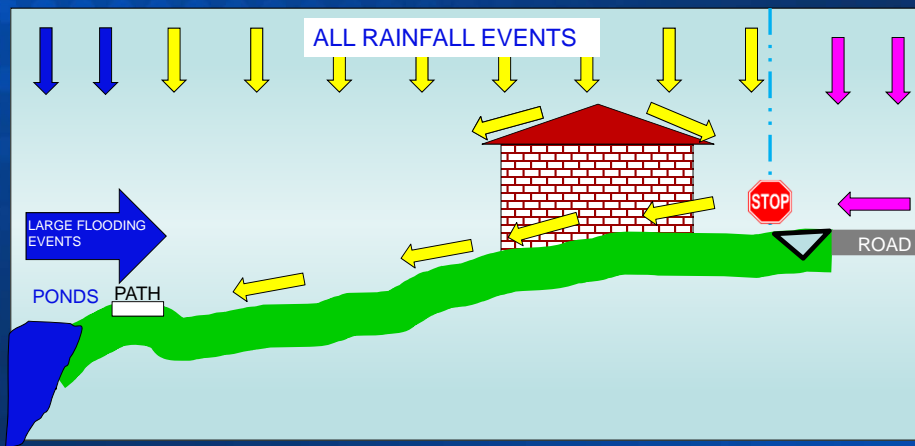
## Thornwood Ditch and Storm Sewer Project

### Existing Condition



## Thornwood Ditch and Storm Sewer Project

### Proposed Project



## Thornwood Ditch and Storm Sewer Project

### PROJECT BENEFITS:

- Capture stormwater from pavement and grassed area adjacent to pavement (Right of Way) This is City property – 25 ft. from center of road. It is the area approximately from ComEd poles towards road.
- Conveys the water to the Honey Suckle storm sewer instead of flowing through side yards.

### PROJECT IMPACTS:

- Removal of trees, landscaping in City's Right-of-Way
- Removal of isolated sidewalk sections that do not connect



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## Thornwood Ditch and Storm Sewer: Proposed Plan



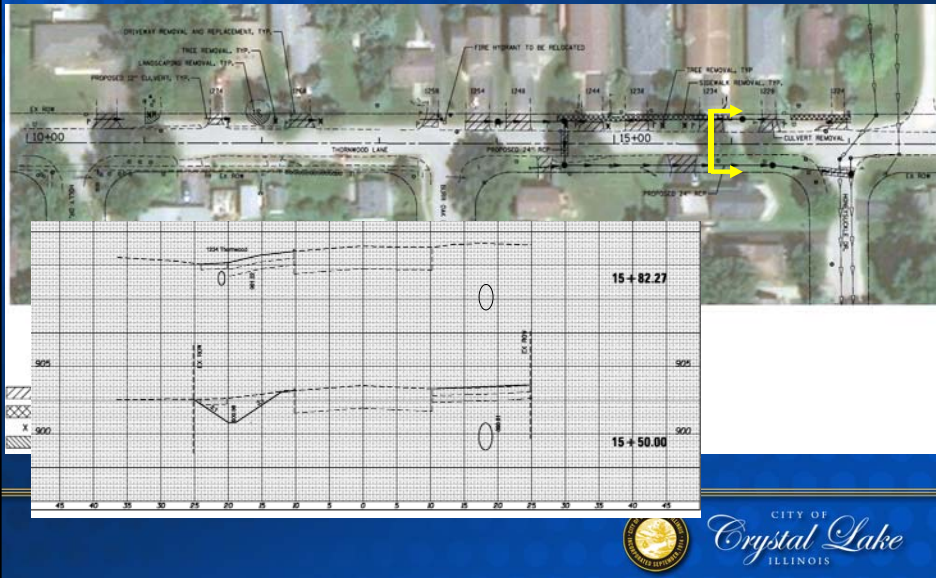
LEGEND	PAVEMENT LEGEND
DRIVEWAY REMOVAL AND REPLACEMENT	PAVEMENT REMOVAL AND REPLACEMENT
SIDEWALK REMOVAL	
TREE REMOVAL	
LANDSCAPING REMOVAL	

New driveway aprons as part of culvert installation.



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## Thornwood Ditch and Storm Sewer: Proposed Cross-Sections



## Thornwood Ditch and Storm Sewer: Proposed Ditch

- Standard “rural” subdivision ditch (see wall exhibit)
- Approx. 2 foot wide shoulder adjacent to road
- Ditch sides between 3.5 and 5 feet wide (“mowable”), 2 ft. wide bottom
- Plans and detailed cross-sections are available for discussion after this meeting



Bryn Mawr Subdivision Crystal Lake (IL 176 near IL 47)

## Thornwood Ditch and Storm Sewer

### Next Steps:

- Complete Property Owner Project Acknowledge Form
- Utility coordination (gas main south side, fire hydrant relocations by City on north side)
- Spring construction (in-house and contractor)
- Will provide advance notice for landscaping removal



## Stormwater Solutions & Stakeholder Engagement

Questions?

