

# 7th Avenue Creek Project – Phase 1 Project Update



City of St. Charles, IL

November 25, 2019



# Tonight's Agenda

- ▷ Brief Project History
- ▷ Overview of Phase 1 Preliminary Plans
- ▷ Phase 1 Project Benefits
- ▷ Phase 1 Project Costs
- ▷ Project Schedule
- ▷ Feedback & Questions

# Project History

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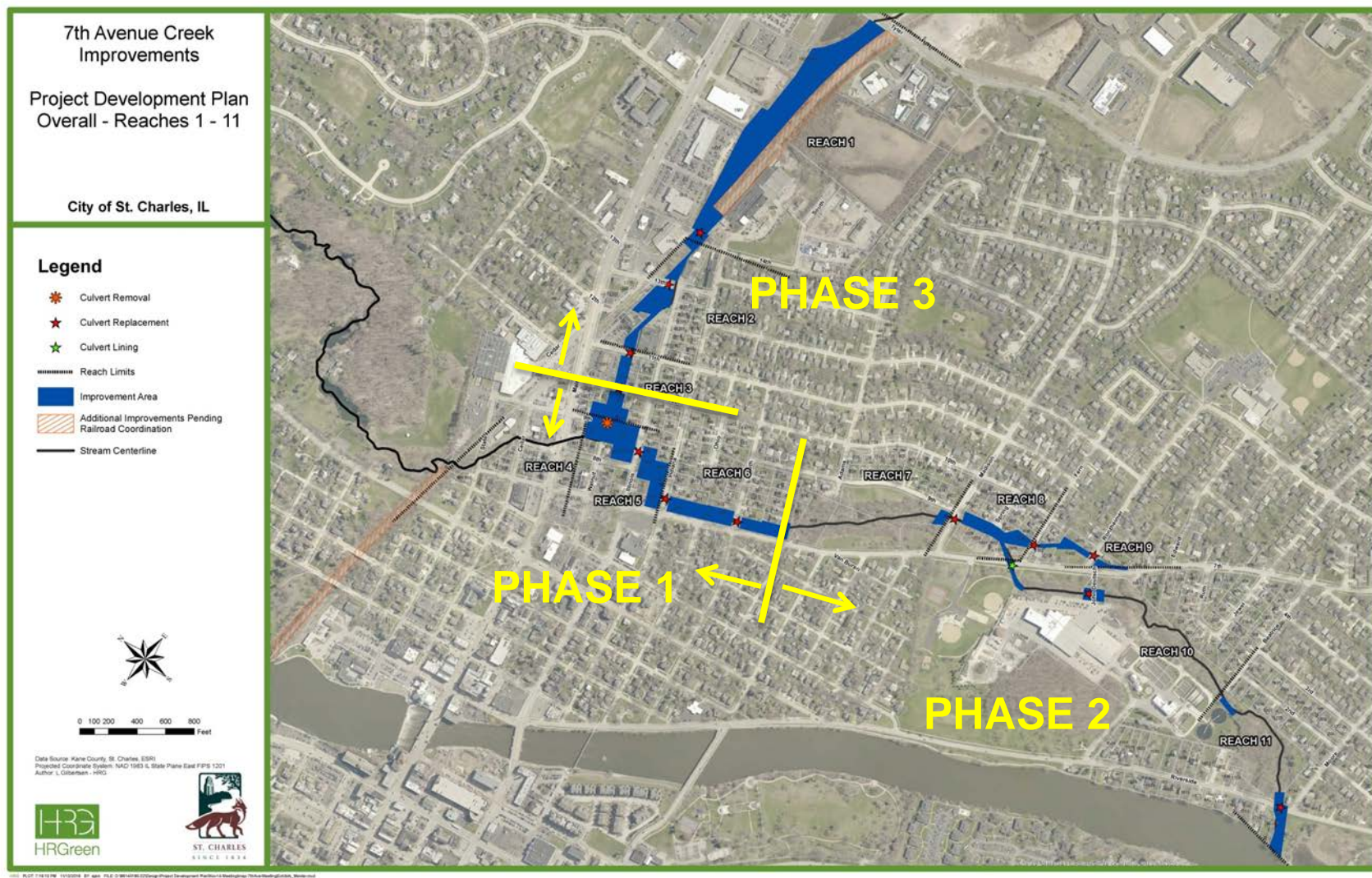
- ▷ FEMA Floodplain and Floodway map revisions – under final review
  - ▷ Map update process began after 2008 flooding (50 Year Rainfall Event)
  - ▷ On track to be finalized in 2020
  - ▷ 118 parcels and 70 structures (55 currently) impacted
- ▷ 7<sup>th</sup> Avenue Creek Master Plan Development Completed in 2017
  - ▷ Guiding document
  - ▷ Mix between Greenway and Engineered solution
  - ▷ Estimated \$18M total project cost, broken into phases





# Overall Master Plan

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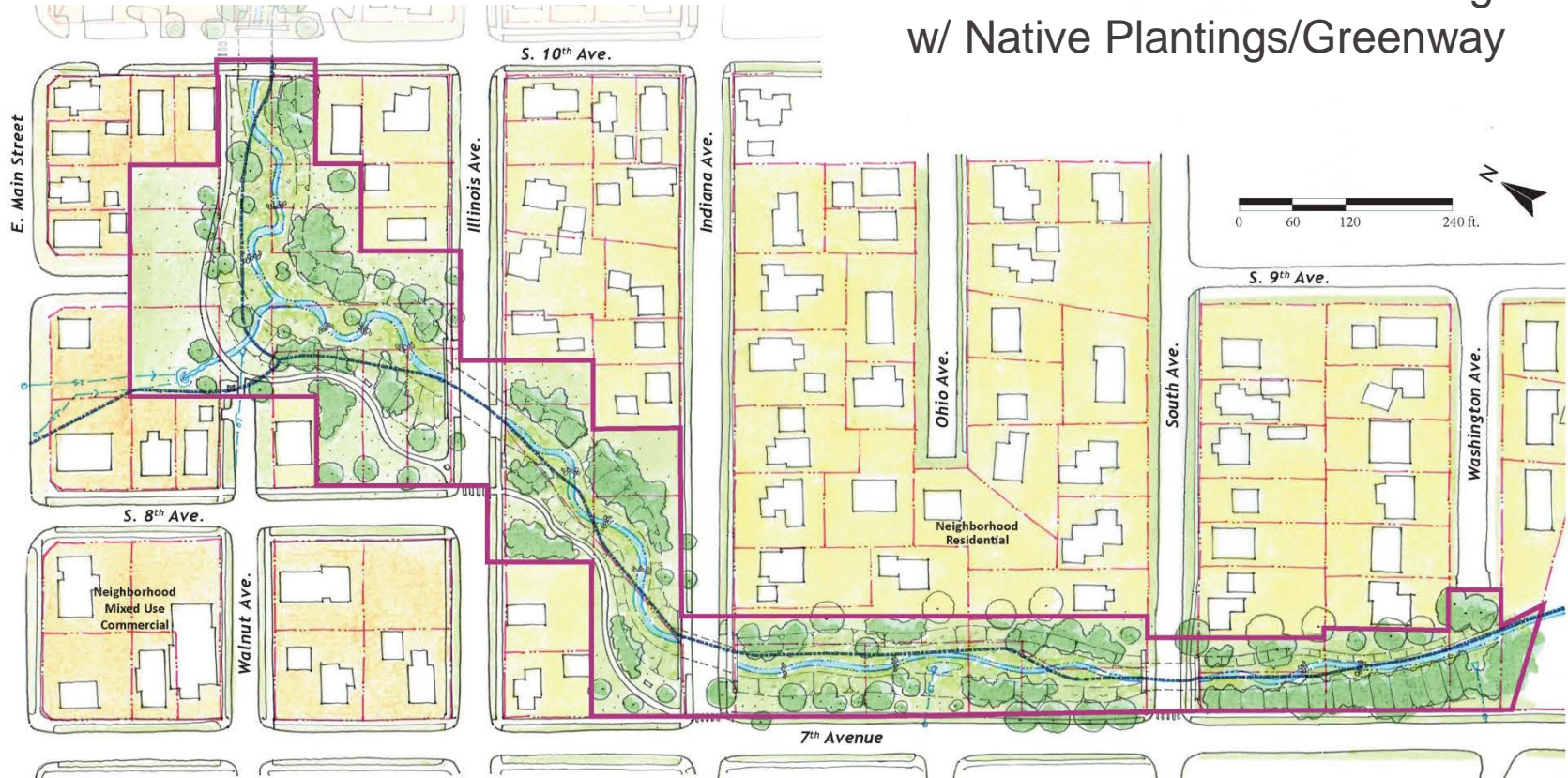




# Overview of Phase 1 – IEPA Grant Project Area

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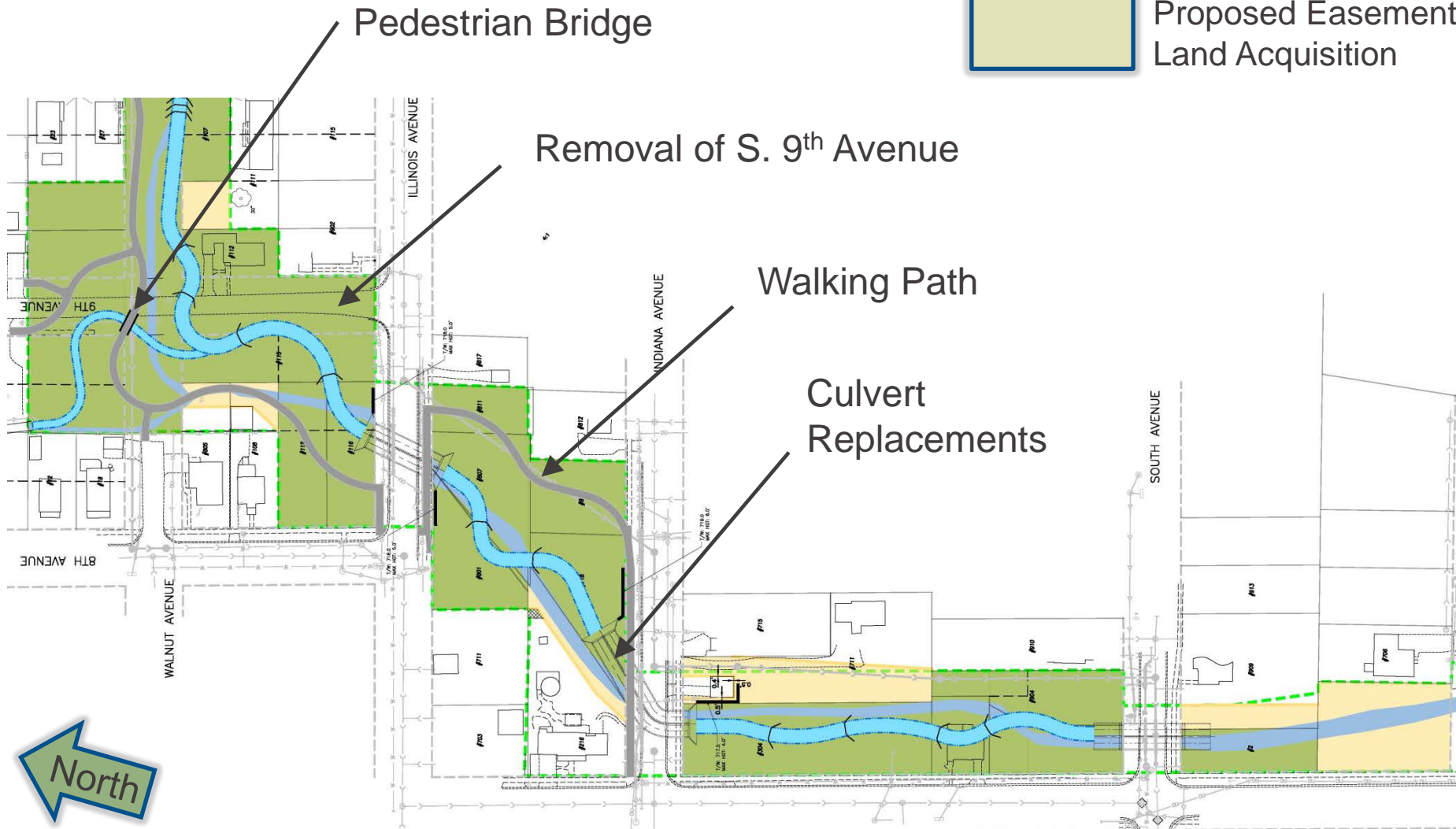
- Removal of S. 9<sup>th</sup> Avenue
- Creation of natural park-like setting w/ walking path
- Restores Natural Meandering Creek w/ Native Plantings/Greenway



# Overview of Preliminary Plans

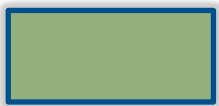
-  City Property
-  Proposed Easement/  
Land Acquisition

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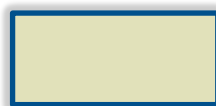


# Overview of Preliminary Grading Plan

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City Property



Proposed Easement/  
Land Acquisition







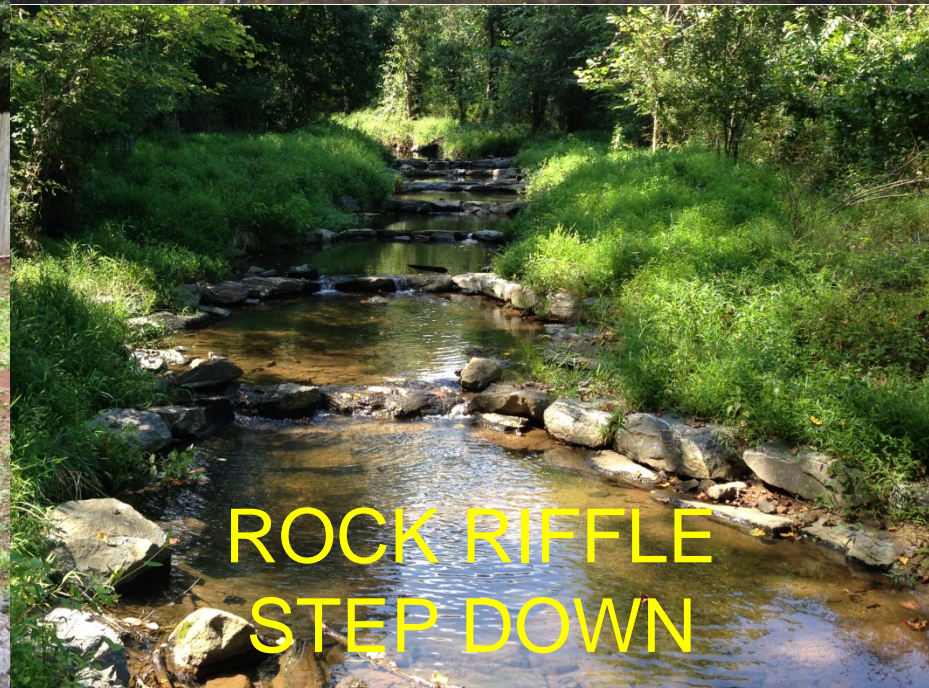
MEANDERING CREEK  
W/ NATIVE VEGETATION



ROCK RIFFLE



PEDESTRIAN BRIDGE  
OVER TRIBUTARY



ROCK RIFFLE  
STEP DOWN



## Phase 1 Project – Benefits

- Removal of 13 Structures from the floodplain/floodway
- Creek will no longer overtop South Avenue roadway in a 100-yr rainfall event. Will not overtop Illinois or Indiana in a 50-yr event (i.e. 2008)
- Water quality improvements within 7<sup>th</sup> Avenue Creek

	2008	2019 - Current	2021 - Phase 1 Completion	Phase 2 Completion	Phase 3 Completion
Structures in Floodplain	70	57	44	20	0

# Updated Phase 1 Project Costs

	PROJECT BUDGET
Land Acquisition	\$582,860
Design Engineering	\$380,100
Construction	\$3,990,942
Construction Engineering	\$316,751
<b>Total Project Cost</b>	<b>\$5,270,653</b>
Grant Reimbursement	(\$1,283,599)
<b>Project Cost after Grant Reimbursement</b>	<b>~\$4,000,000</b>



# Project Schedule

## Phase 1 Project Schedule:

- Final Design and Permitting: 2019-2020
- Construction
  - Commencing Spring 2021
  - Target Completion Date: December 2021

## Future Phases:

- ~2022-2024: Construction - Phase 2
- ~2025-2027: Construction - Phase 3

# Questions?

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