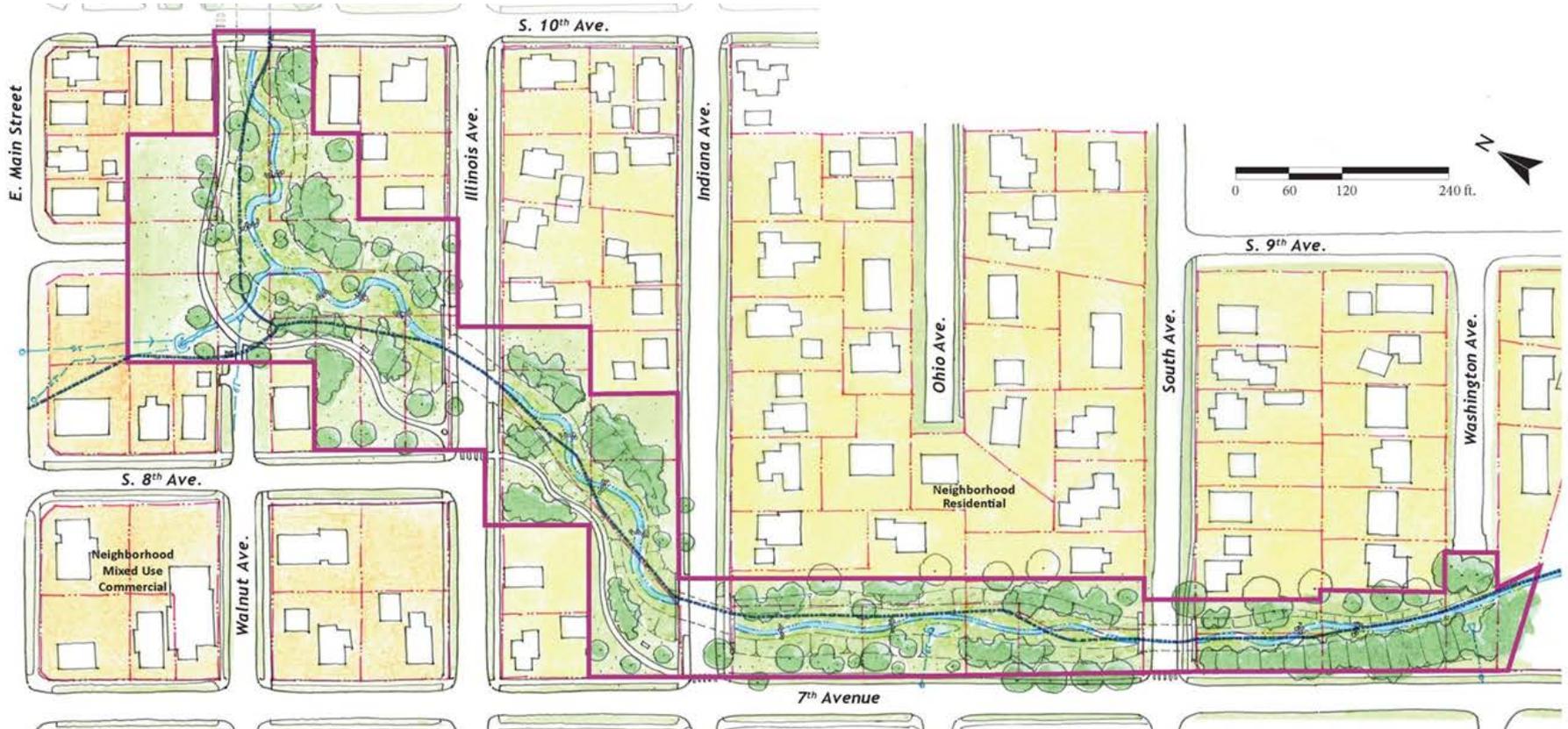


7th Avenue Creek Project – Phase 1 Project Update



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

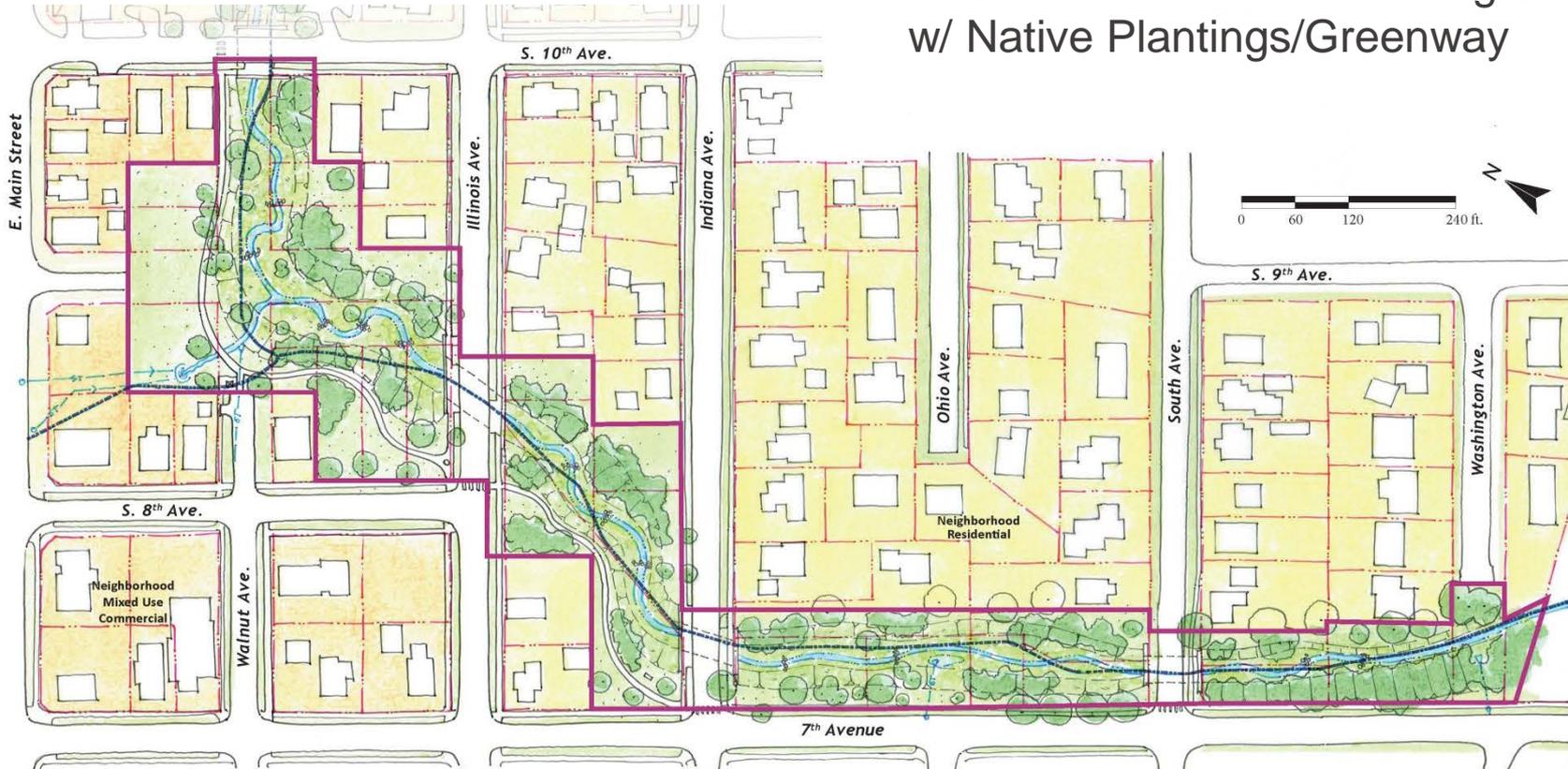
Project History

- ▷ 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
- ▷ 7th Avenue Creek Master Plan Development Completed in 2017
 - ▷ Guiding document
 - ▷ Mix between Greenway and Engineered solution
 - ▷ Estimated \$18M total project cost, broken into phases



Overview of Phase 1 – IEPA Grant Project Area

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



Overview of Preliminary Plans



City Property



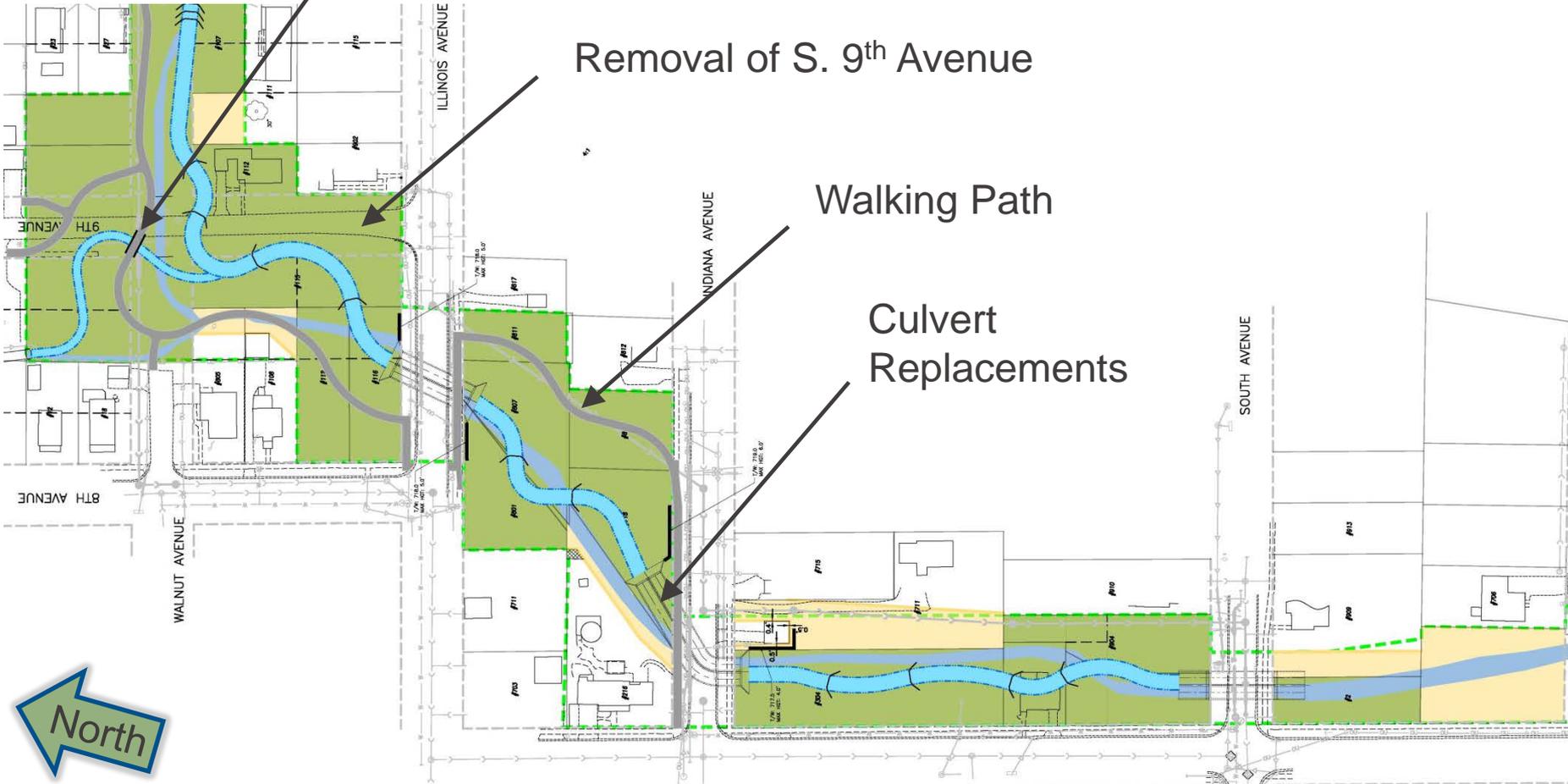
Proposed Easement/
Land Acquisition

Pedestrian Bridge

Removal of S. 9th Avenue

Walking Path

Culvert
Replacements



Overview of Preliminary Grading Plan



Walking Path

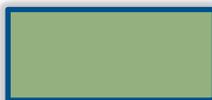
Removal of S. 9th Avenue

Pedestrian Bridge

Rock Riffle

Meandering Creek

Culvert Replacements



City Property



Proposed Easement/
Land Acquisition





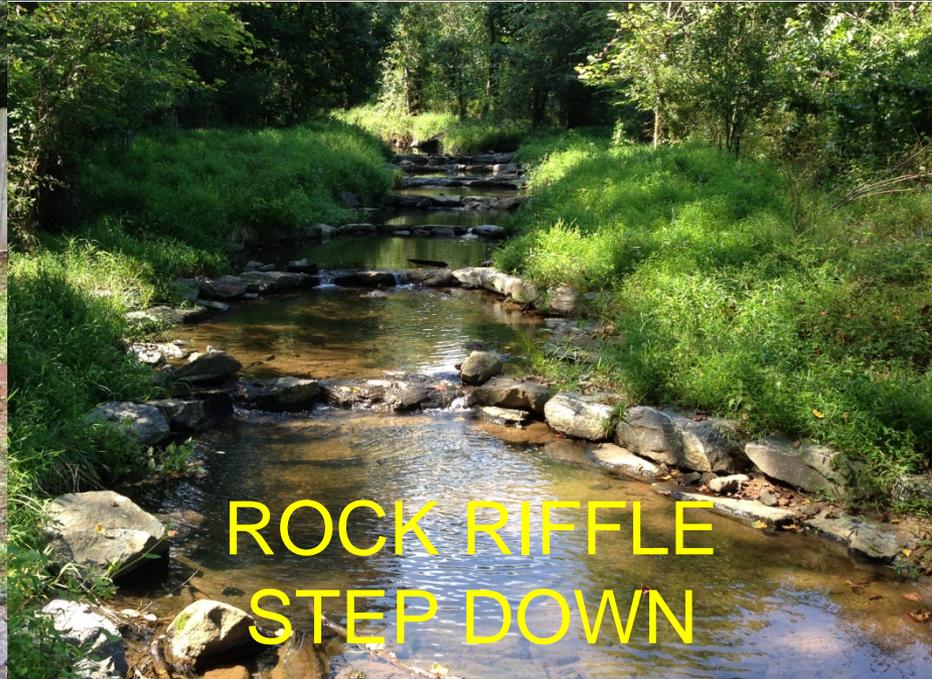
MEANDERING CREEK
W/ NATIVE VEGETATION



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 7th 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
Total Project Cost	\$5,270,653
Grant Reimbursement	(\$1,283,599)
Project Cost after Grant Reimbursement	~\$4,000,000

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?

