

# **GARFIELD BOULEVARD RECONSTRUCTION & TRAIL**

## **CES ENGINEERING CONFERENCE**

**FEBRUARY 27, 2025**

**Eric Mack, PE** | Planning Section Chief Engineer, Cuyahoga County DPW

**Sean McDermott, PE** | Chief Planning + Design Officer, Cleveland Metroparks

**Douglas Blank, PE** | Project Manager + Associate VP, Michael Baker International

Decorative wavy lines in blue and yellow at the bottom of the slide.

# WELCOME!

- Garfield Boulevard Improvements
  - History, Purpose & Need
  - Project Goals
  - Design Overview
- Question & Answer





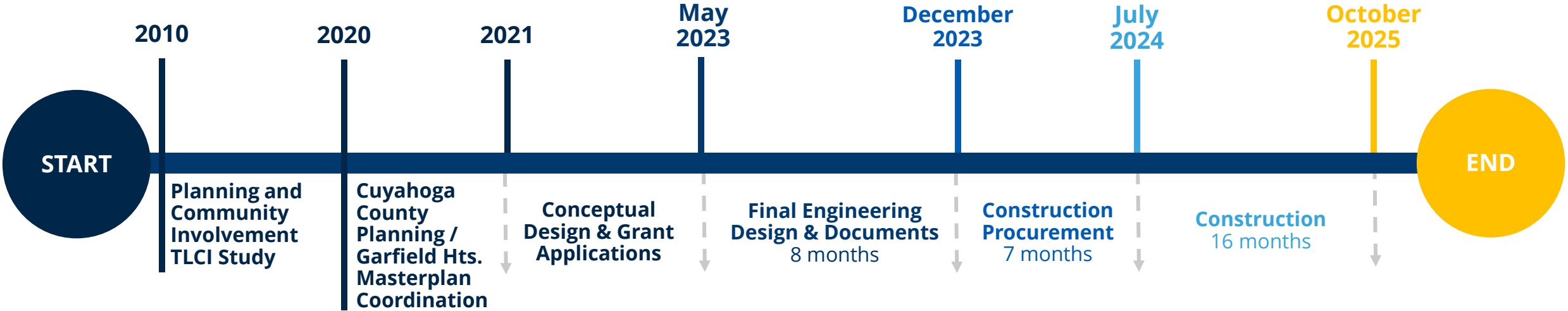
# MEET THE TEAM



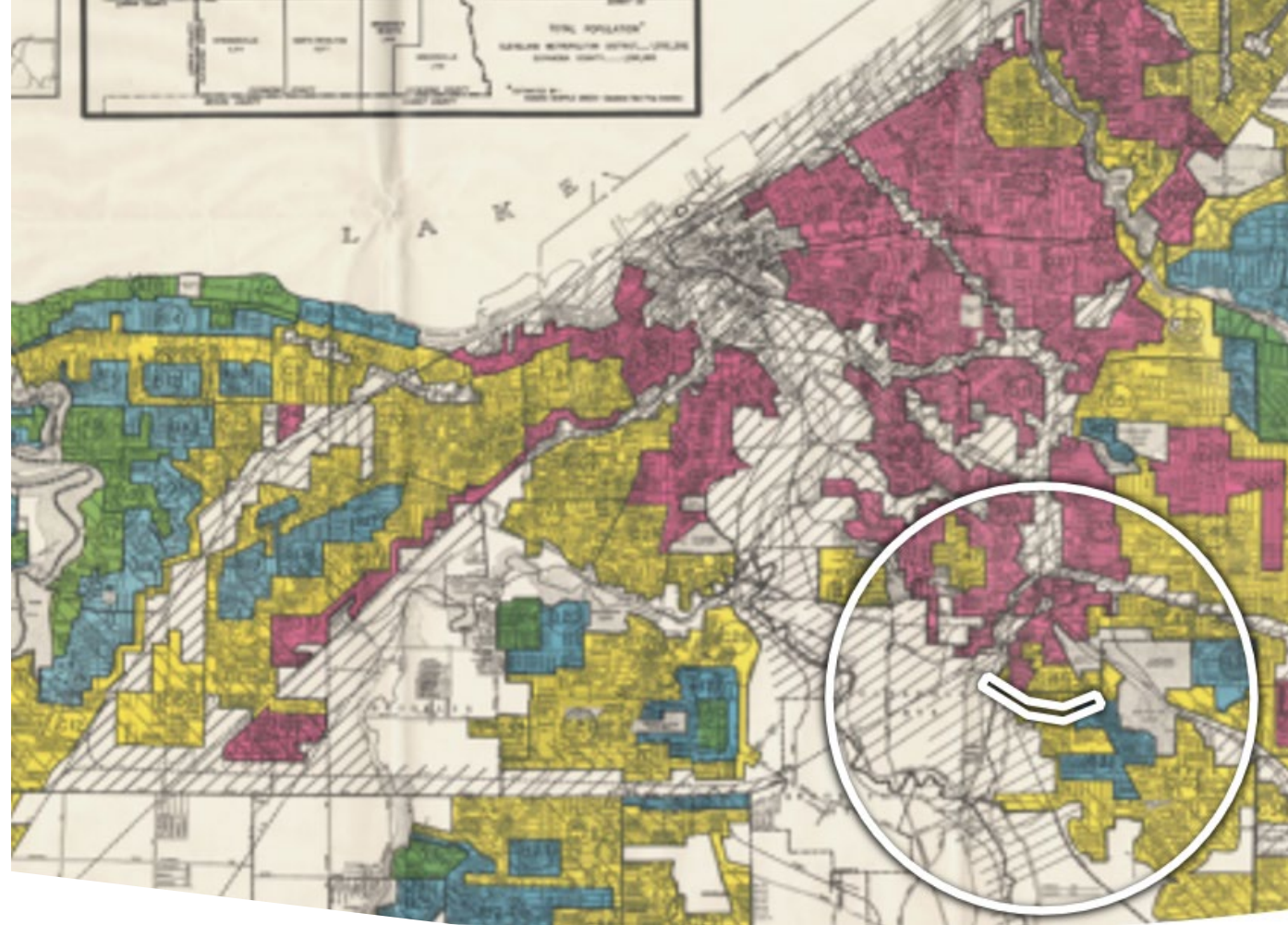
**Michael Baker**  
INTERNATIONAL



# PROJECT TIMELINE



# PROJECT HISTORY



# PROJECT HISTORY

## Warner Road/Garfield Boulevard Connector and Trailhead Study

April 2010

Prepared for:  
Cleveland Metroparks  
City of Garfield Heights  
Northeast Ohio Areawide Coordinating Agency

JJR Baker

Project Development and Community Engagement

### Communication and Documentation

Communicate with the agencies and individuals who were part of the study area. The City of Garfield Heights provided meeting notifications, and the study area residents, e-mail notification, and posted information was acquired through the use of questionnaires and public meetings. Ideas, opinions and suggestions that addressed the

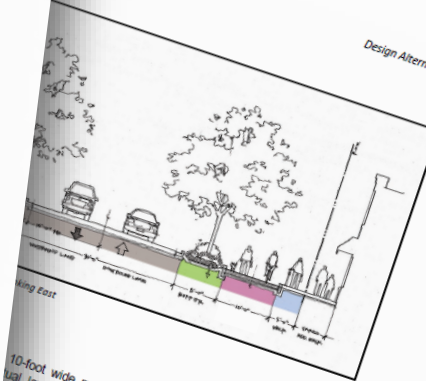
gathered to initiate the study. The group defined the existing conditions and potential issues. The team presented context sensitive solutions that resulted in a discussion of those design concepts and their

### Connector Concepts

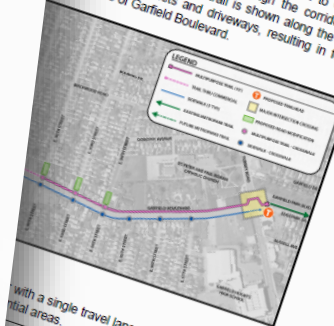


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Design Alternatives

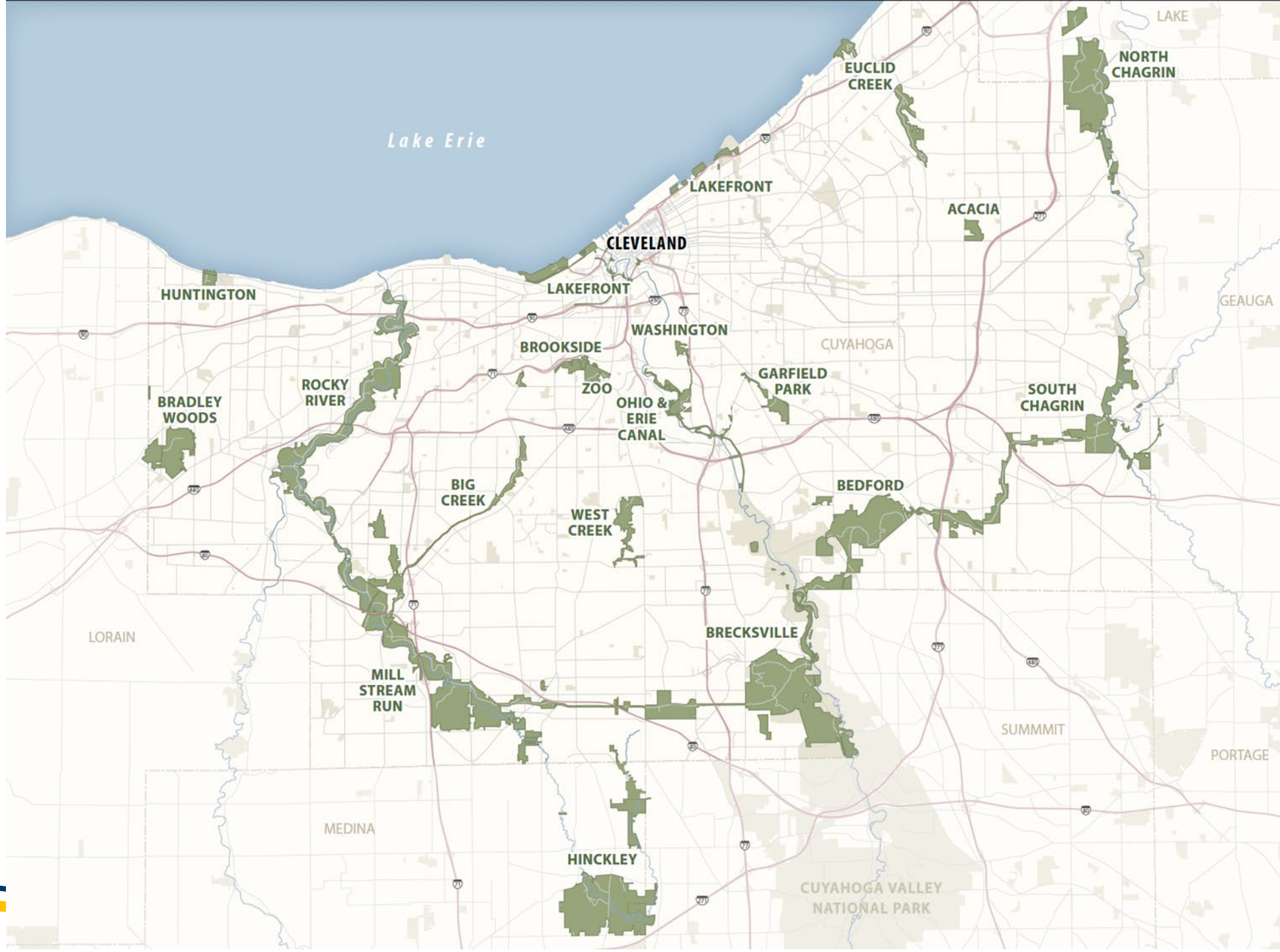


10-foot wide multi-purpose trail located parallel to Garfield Boulevard. The trail layout of the Parkway Trail through the corridor and Figures 13 through 17. The trail is shown along the north side of Garfield Boulevard, resulting in fewer cross streets and driveways.



with a single travel lane and on-street bike lane in certain areas.

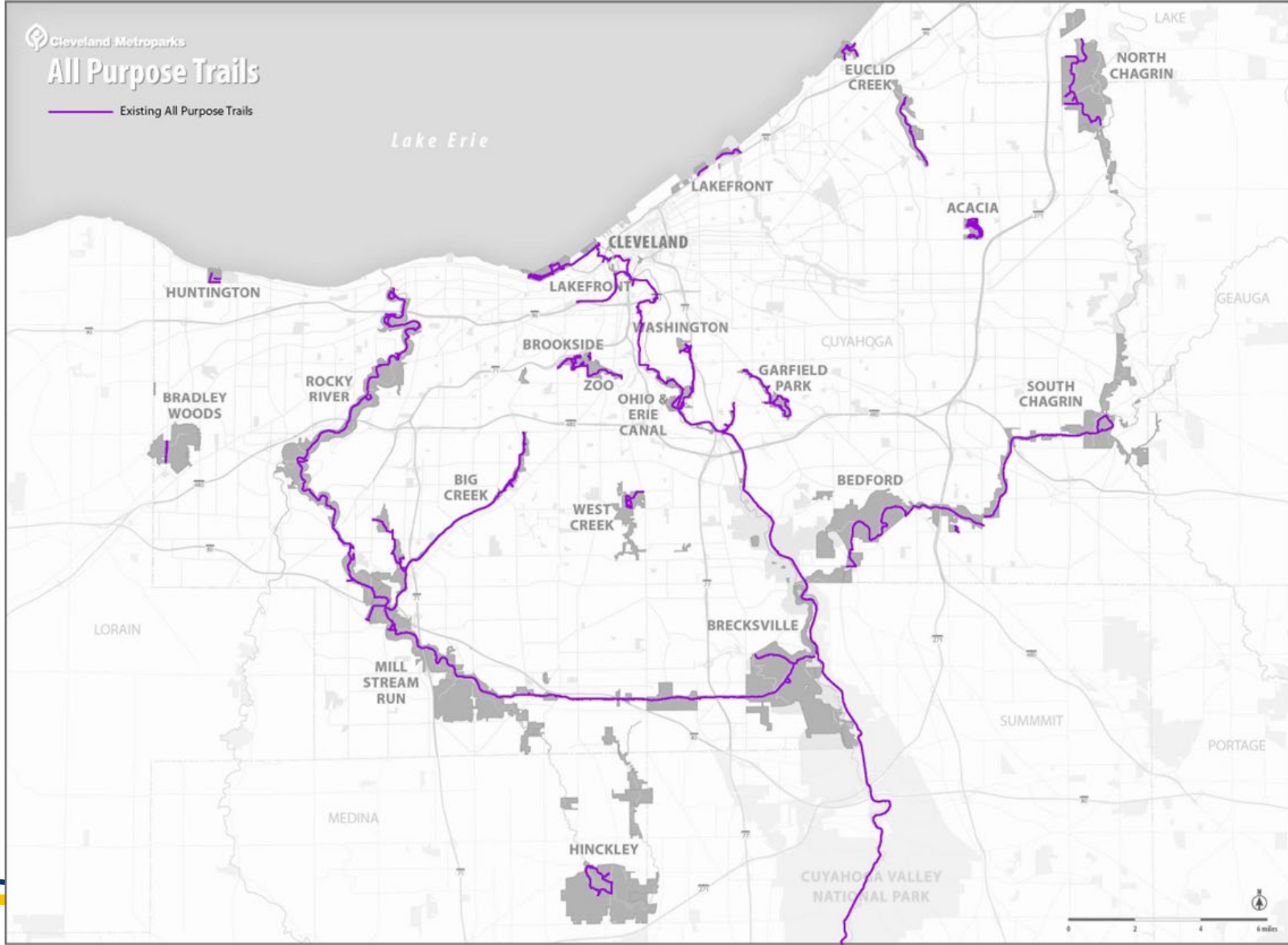
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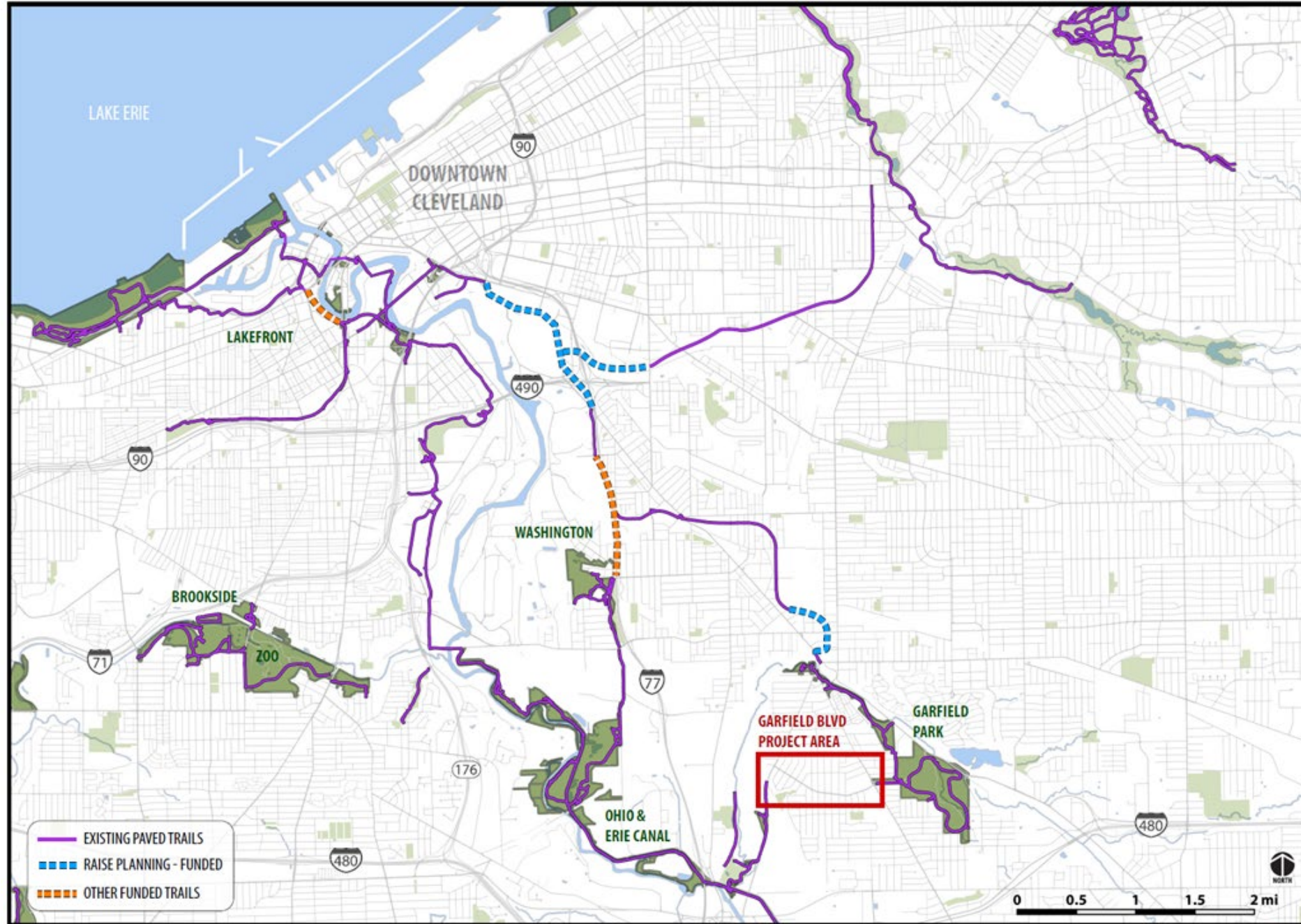




Cleveland Metroparks  
**All Purpose Trails**

Existing All Purpose Trails





**GARFIELD BOULEVARD TRAIL AND GREEN INFRASTRUCTURE CONCEPT - PROJECT LOCATION**  
CLEVELAND METROPARKS

MARCH 2022



# CONNECTIVITY



## GARFIELD BOULEVARD TRAIL AND GREEN INFRASTRUCTURE CONCEPT - PROJECT LOCATION

CLEVELAND METROPARKS

MARCH 2022



# GARFIELD PARK RESERVATION





Lake at Garfield Park, Cleveland, Ohio.





# GARFIELD POND RESTORATION GARFIELD PARK RESERVATION VICINITY PLAN

NEW IRON SPRINGS  
RESERVABLE PICNIC AREA  
AND RESTROOMS







# GARFIELD PARK RESERVATION





# GARFIELD PARK RESERVATION





# GARFIELD PARK RESERVATION



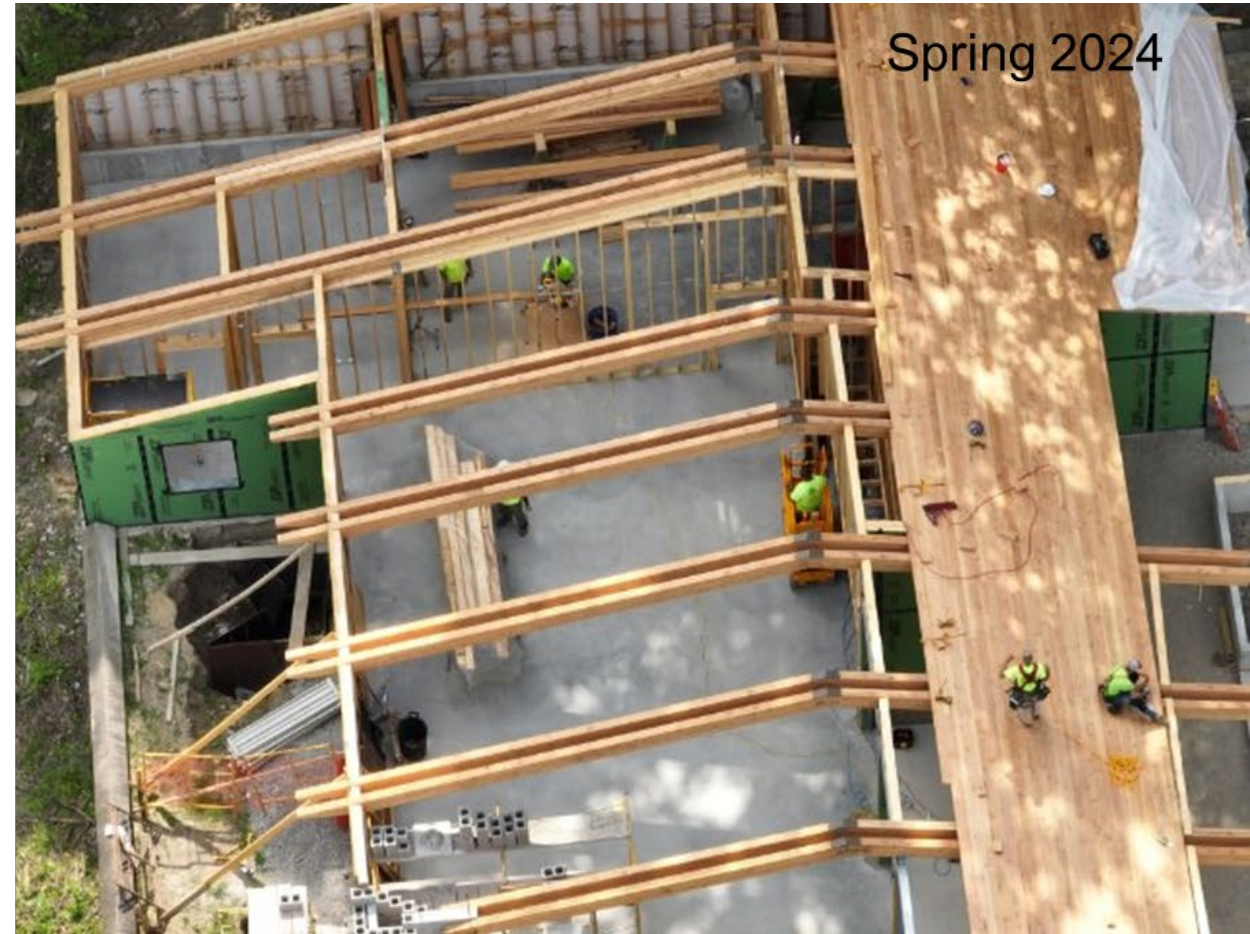
# GARFIELD PARK RESERVATION



# GARFIELD PARK RESERVATION



# GARFIELD PARK RESERVATION



# GARFIELD PARK RESERVATION







# GARFIELD PARK RESERVATION



**G'S AND YANKS GO AGAIN**

THE GUARDIANS WERE AIMING TUESDAY TO EVEN THE SERIES AGAINST THE YANKEES WITH A GAME 2 WIN. FIND FULL COVERAGE IN THE UPDATE SECTION OF THE PLAIN DEALER ONLINE. AVAILABLE TO SUBSCRIBERS AT NO ADDITIONAL COST.

**ThirdFederal**

Check out our new 3-Year Rising Rate CD!

Take advantage of higher rates now!

FDR

CLEVELAND METROPARKS

## Reservation restoration



Cleveland Metroparks hopes the restored Garfield Park Reservation can revive the water sport atmosphere of decades ago.

**Massive makeover at Cleveland Metroparks' Garfield Park Pond is complete and ready for boating, kayaking and nature walks.**

Megan Kline [mekline@cleveland.com](mailto:mekline@cleveland.com)

Garfield Park Reservation's old boating pond is beginning to get painted with the color of the crisp fall leaves towering above, just in time to showcase newly completed renovations to the century-old pond that had been neglected for decades by vegetation and silt.

This and more await leaf peepers and about anyone else who enjoys the outdoors, two years after the Cleveland Metroparks began its long anticipated \$7 million renovation. Later this week, it will put these new features on display, with an official opening Thursday.

Brian Zimmerman, CEO of Cleveland Metroparks, called the changes at Garfield Park "nothing short of a remarkable renaissance."

This renaissance has been defined by extensive site work at the pond like stream restoration (in partnership with



A stone bridge at the restored Garfield Park Reservation connects the old and new. Joshua Dicker, Cleveland.com

restrooms up on top, attention to detail with all of the stonework," Zimmerman told [cleveland.com](http://cleveland.com) inside the nearly finished programming center last week as final details were being completed.

The new Garfield Park Program Center mimics a cozy cabin with its large wood beams along the asymmetrical ceiling, a stone fireplace, a small kitchenette and picture frame windows that provide a scenic view of the 2-acre pond. The center will house educational programs and will be reusable for wedding events, among other things.

The center will also provide storage for kayaks and stand-up paddle boards, as the Metroparks hopes bringing new life to the pond will revive the watersport atmosphere of decades ago. The pond had been a hub for swimming, fishing and boating in the early 20th century.

"We've already started to stock the pond with fish, so then we can have a pretty healthy fish population," Sean McDermott, Cleveland Metroparks chief planning and design officer said. The pond will be home to sunfish, largemouth bass and channel catfish.

"So, if you want to learn how to fish, you can do that here and you can learn how to kayak," McDermott continued. "This might be a great place for someone to be on the water for the first time ever."

SEE CLEVELAND METROPARKS, A2

VOTING IN OHIO

## Court upholds directive on use of ballot drop boxes

Anyone submitting ballots on behalf of another must do so inside elections office.

Jeremy Peltzer [jpelzer@cleveland.com](mailto:jpelzer@cleveland.com)

COLUMBUS — The Ohio Supreme Court on Tuesday let stand Secretary of State Frank LaRose's directive that ballot drop boxes in Ohio can only be used this year by people submitting their own early absentee ballots.

In a 4-3, party-line decision, the state's high court held that the Ohio Democratic Party and two Ohio voters waited too long to file their legal, 27 lawsuit challenging LaRose's directive, which was issued in late August.

Under the directive, anyone returning a completed ballot on behalf of someone else can't use a drop box stationed at one of Ohio's 88 county boards of elections. Instead, that person must either take the ballot or turn it in inside the elections office, where they must sign a form saying they are returning the ballot within the bounds of the law.

SEE VOTING IN OHIO, A2

PORTAGE COUNTY

## DOJ to monitor voting after sheriff's post about Harris

Lucas Dapelle [ldapelle@cleveland.com](mailto:ldapelle@cleveland.com)

Federal authorities will monitor voting in Portage County, a move that follows Sheriff Bruce Zachowski's online post that said supporters to "write down" the addresses of residents whose yards had signs supporting Kamala Harris.

The U.S. Department of Justice announced Tuesday it will examine both early voting and Election Day voting in the county to ensure federal voting laws are upheld.

It's unclear exactly what the Justice Department's involvement will be, however, a statement notes the department "regularly deploys its staff to monitor for compliance with federal civil rights laws in elections in communities all across the country."

Last month, Zachowski wrote in a since-deleted Facebook post: "When people ask me what's gonna happen when the Flip-Flopping Laughing Hyena

SEE VOTING LAWS, A2



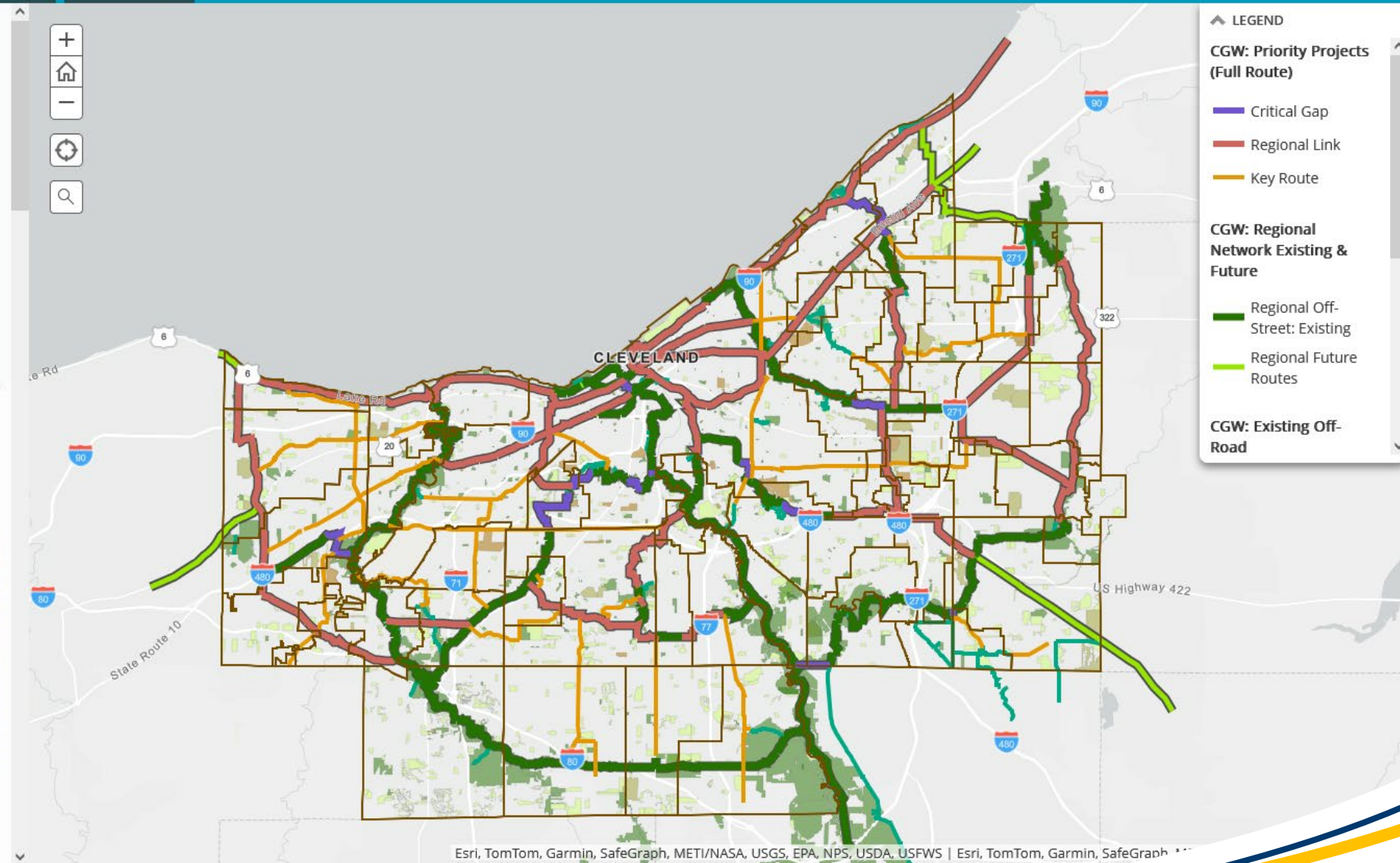


## Vision Statement

Cuyahoga Greenways is an *interconnected system* of greenways and urban trails that tie in with public transportation and parks to offer *recreational opportunities and options for getting around the county, elevating the health of the community and the individuals who call it home.*

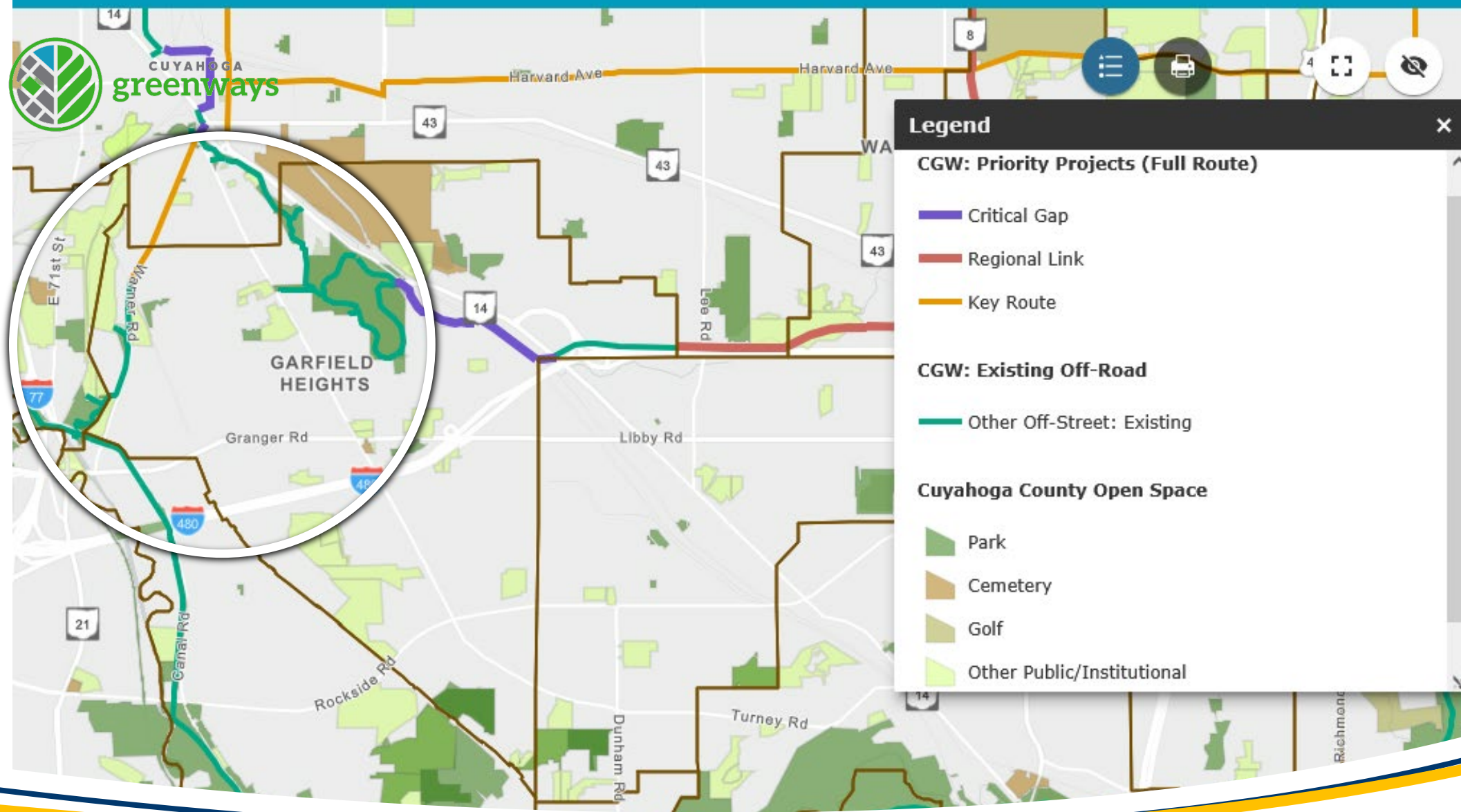


## Greenway Framework: Regional Routes

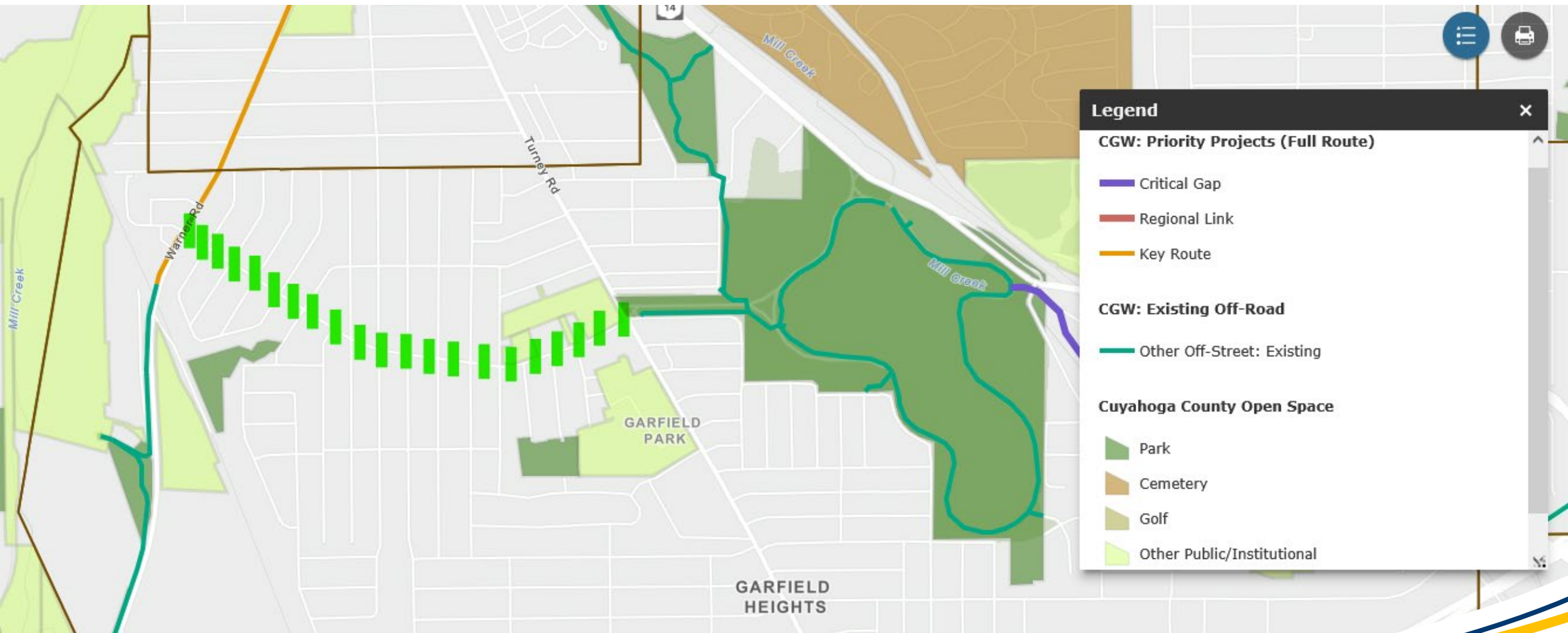




# CONNECTIVITY



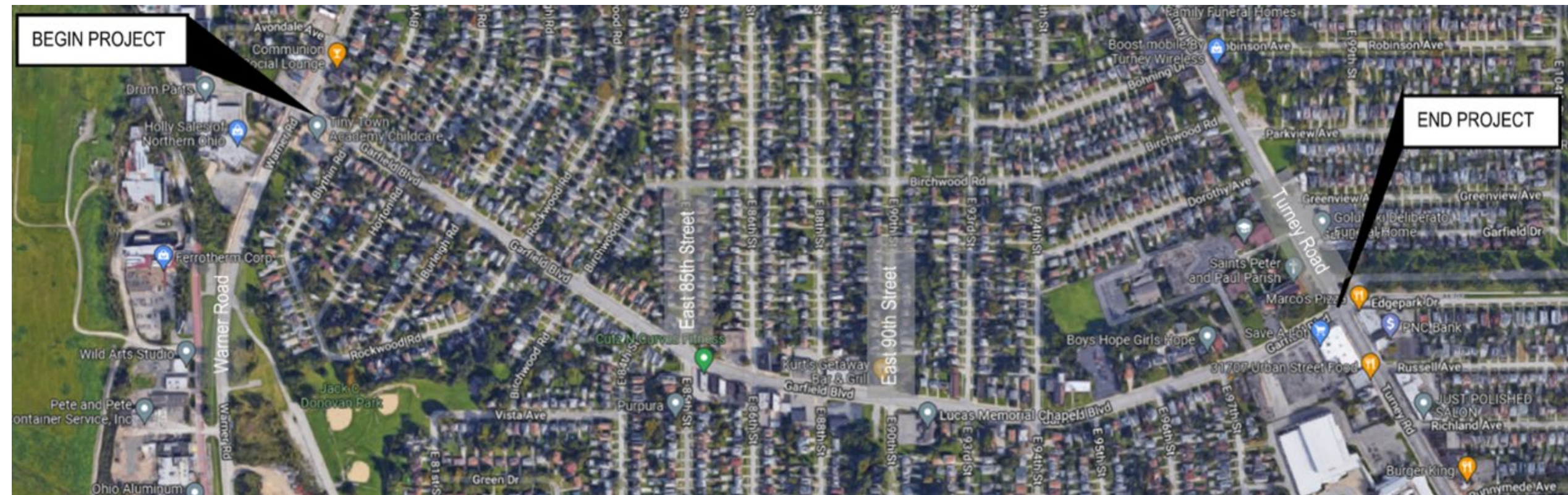
# CONNECTIVITY





# ASSEMBLING THE FUNDING

- The Garfield Boulevard Reconstruction & Trail Project has been paid for through **a number of resources:**
  - Cuyahoga County
  - City of Garfield Heights
  - Recreational Trails Program - Clean Ohio Trails Fund
  - Ohio Public Works Commission Grant (Issue 1)
  - NEORSD Green Infrastructure Grant



# PROJECT GOALS



The **overall goals** of the Garfield Boulevard Reconstruction & Trail Project are...

# Strengthen Access to Key Amenities & Destinations



# Improve Pedestrian & Bicyclist Safety





# Encourage Community Reinvestment Opportunities



# Enhance Stormwater Management Practices





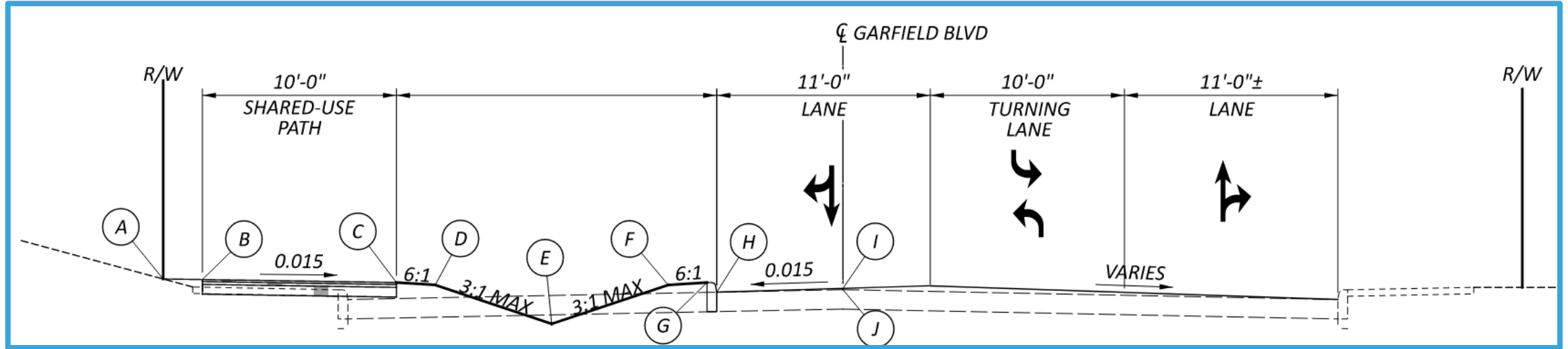
# PROJECT COST

| Project Item         | Cost As Bid        |
|----------------------|--------------------|
| Roadway              | \$700,000          |
| Drainage             | \$300,000          |
| Pavement             | \$1,425,000        |
| Green Infrastructure | \$800,000          |
| Utilities            | \$125,000          |
| Traffic Signals      | \$125,000          |
| Traffic Control      | \$175,000          |
| Maintain Traffic     | \$350,000          |
| Mobilization         | \$200,000          |
| SUBTOTAL             | \$4,200,000        |
| Incidentals          | \$300,000          |
| <b>TOTAL COSTS</b>   | <b>\$4,500,000</b> |

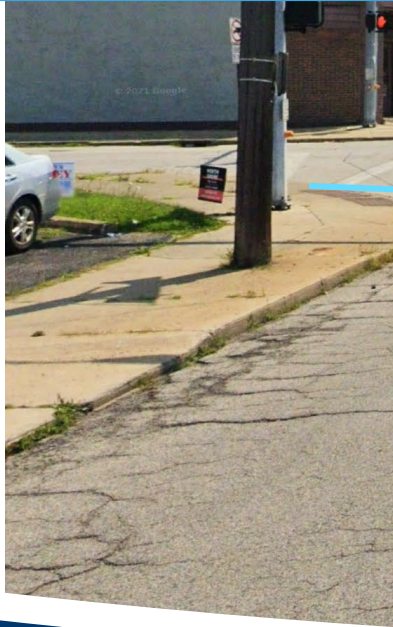
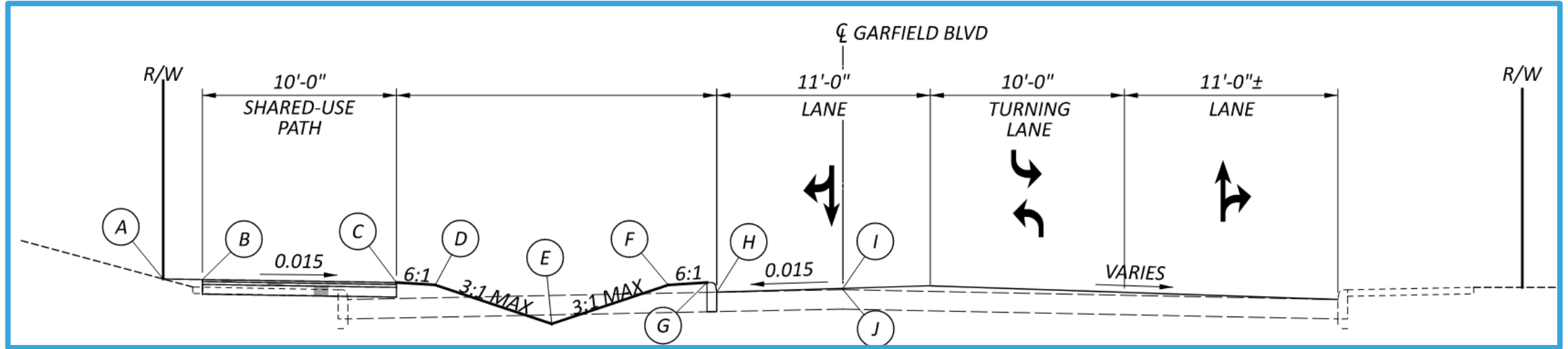
# PROJECT OVERVIEW

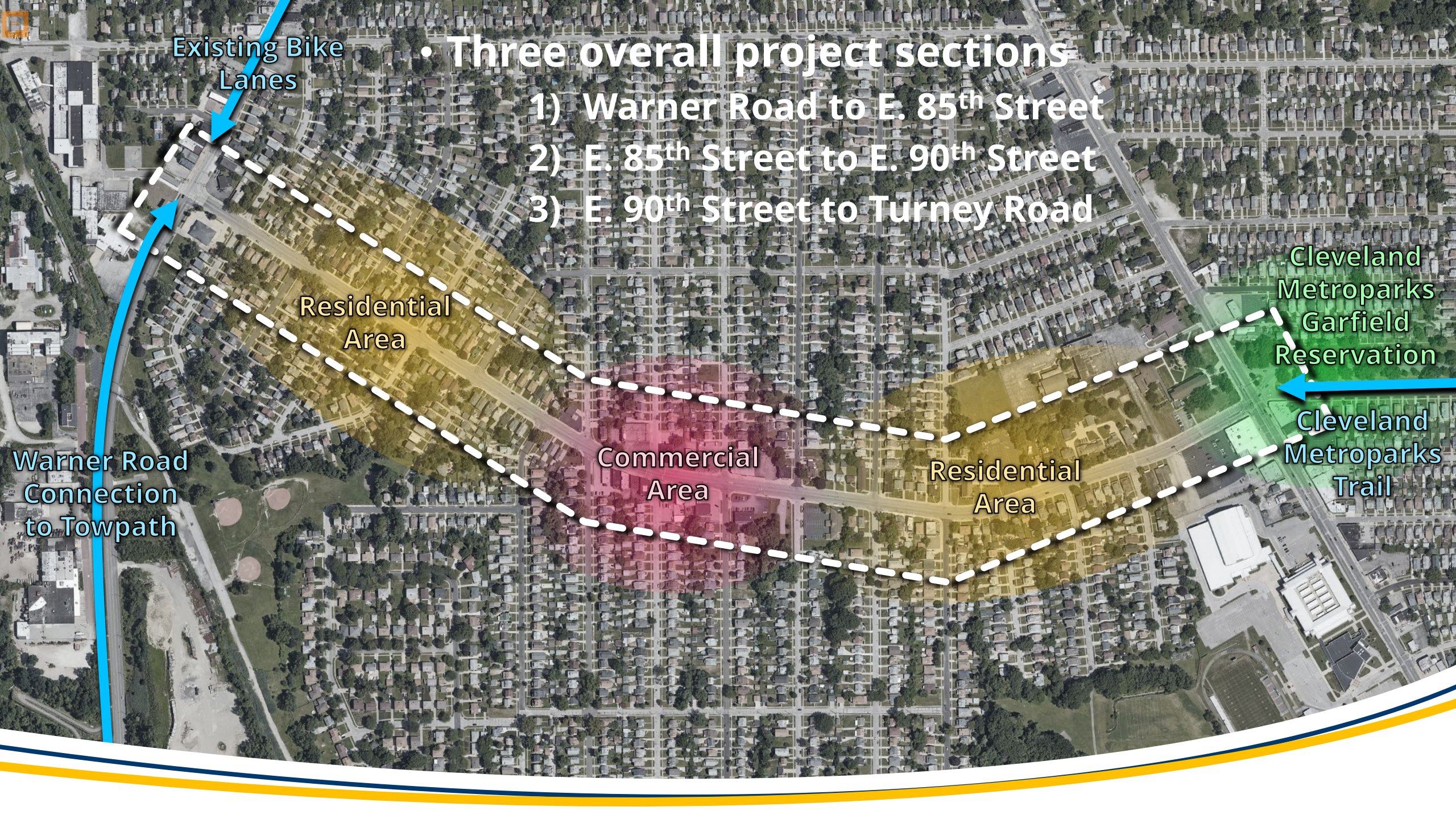


# PROJECT OVERVIEW



# PROJECT OVERVIEW





- Three overall project sections

- 1) Warner Road to E. 85<sup>th</sup> Street
- 2) E. 85<sup>th</sup> Street to E. 90<sup>th</sup> Street
- 3) E. 90<sup>th</sup> Street to Turney Road

Existing Bike  
Lanes

Residential  
Area

Commercial  
Area

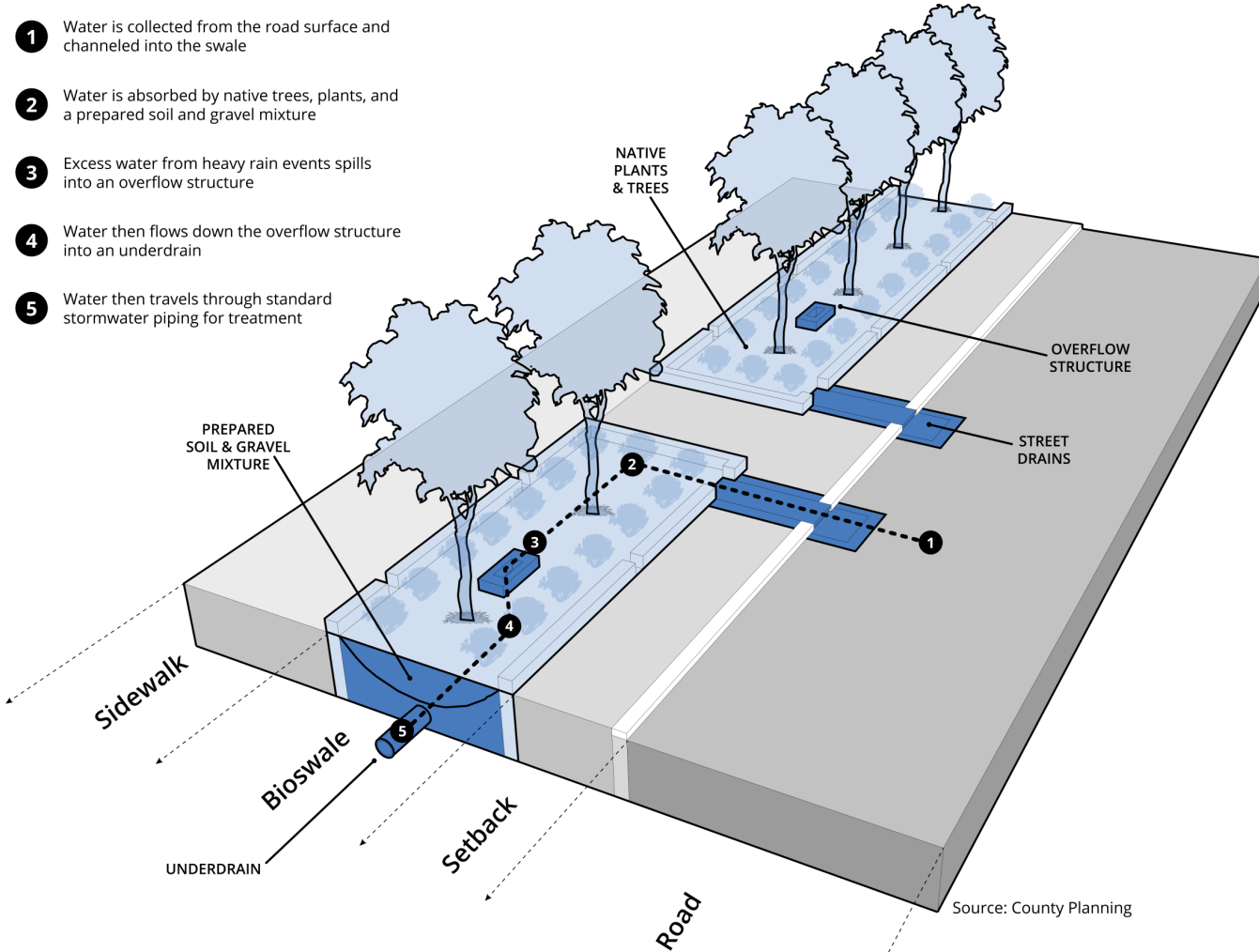
Residential  
Area

Cleveland  
Metroparks  
Garfield  
Reservation

Cleveland  
Metroparks  
Trail

Warner Road  
Connection  
to Towpath

# GREEN INFRASTRUCTURE BMPs



- Filter the “first flush” stormwater
- Reduce peak flows to CSOs
- Aesthetically pleasing and environmentally friendly

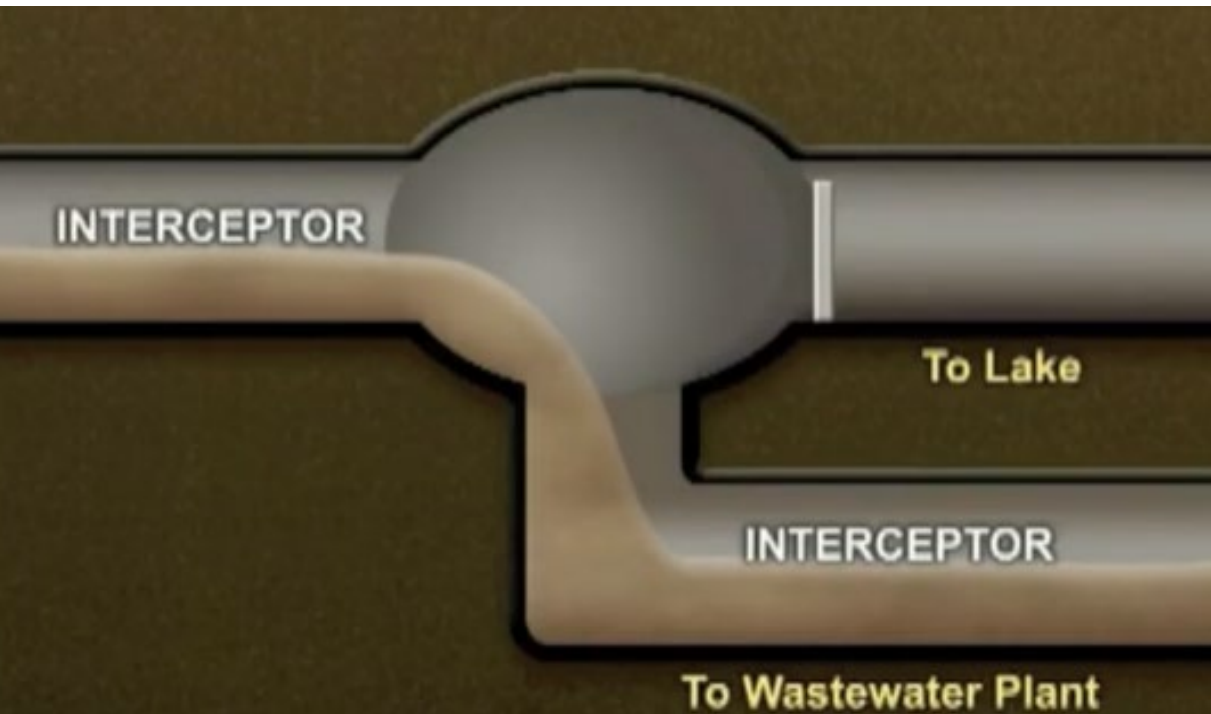
# WHAT IS A CSO?



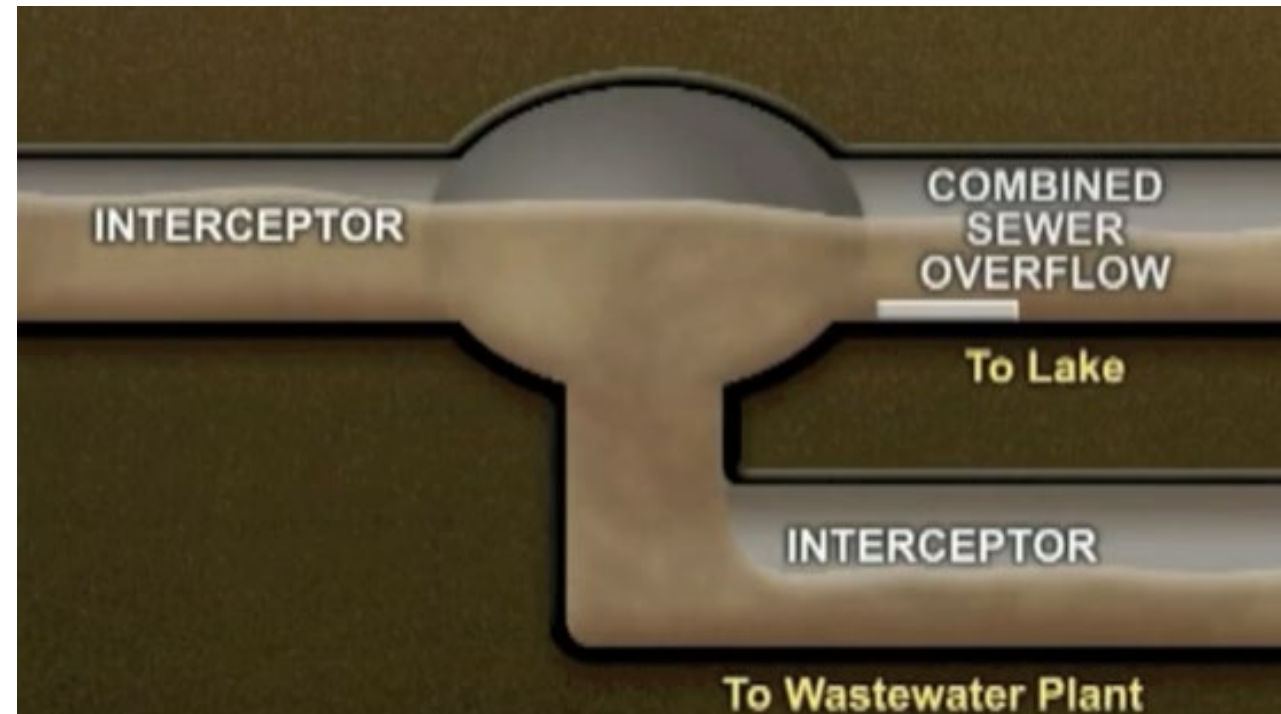


# WHAT IS A CSO?

Dry Weather



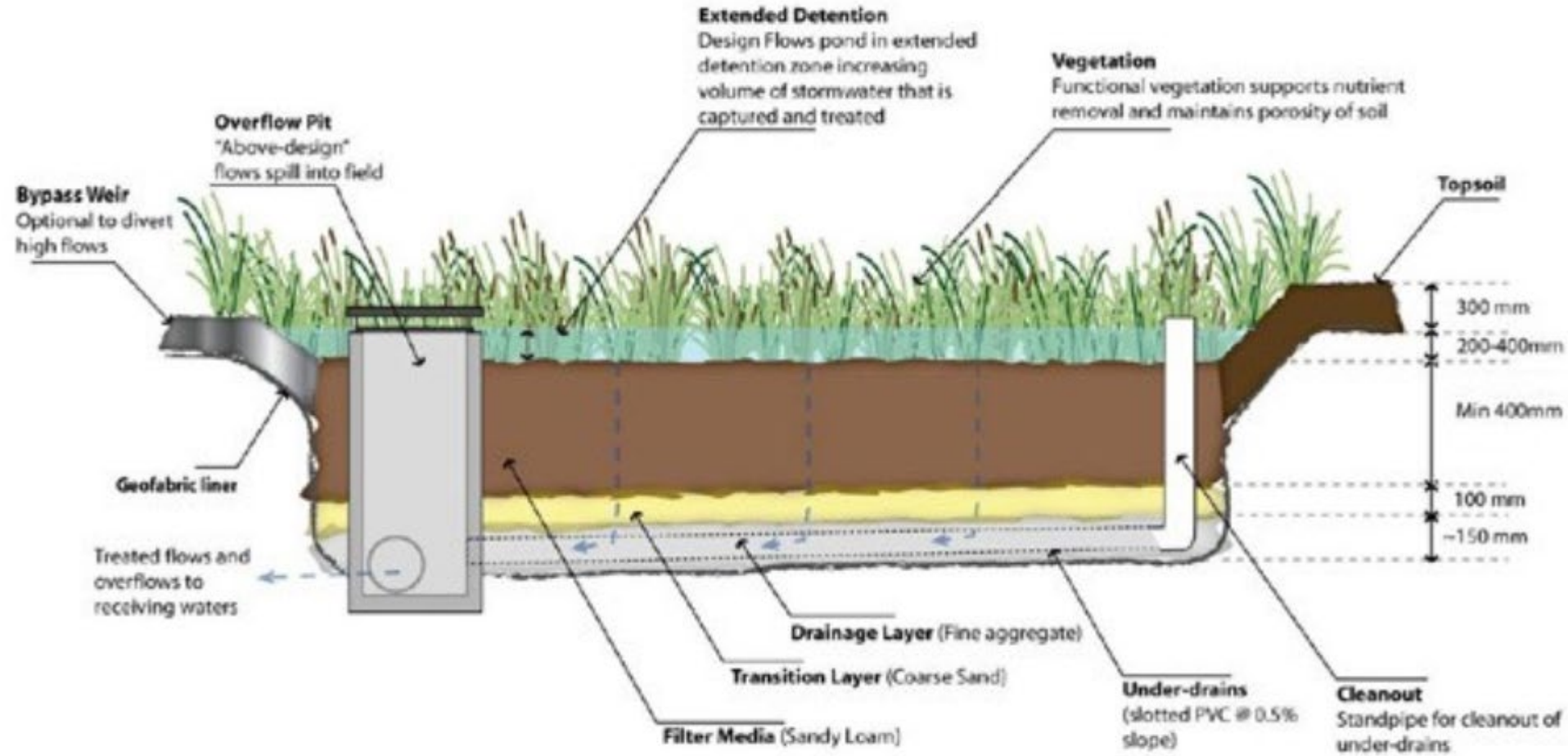
Wet Weather



# WHAT IS A CSO?



# BIORETENTION CELLS



# BIORETENTION CELLS





# WARNER ROAD TO E. 85<sup>TH</sup> STREET

Residential  
Area

51 feet





# WARNER ROAD TO E. 85<sup>TH</sup> STREET

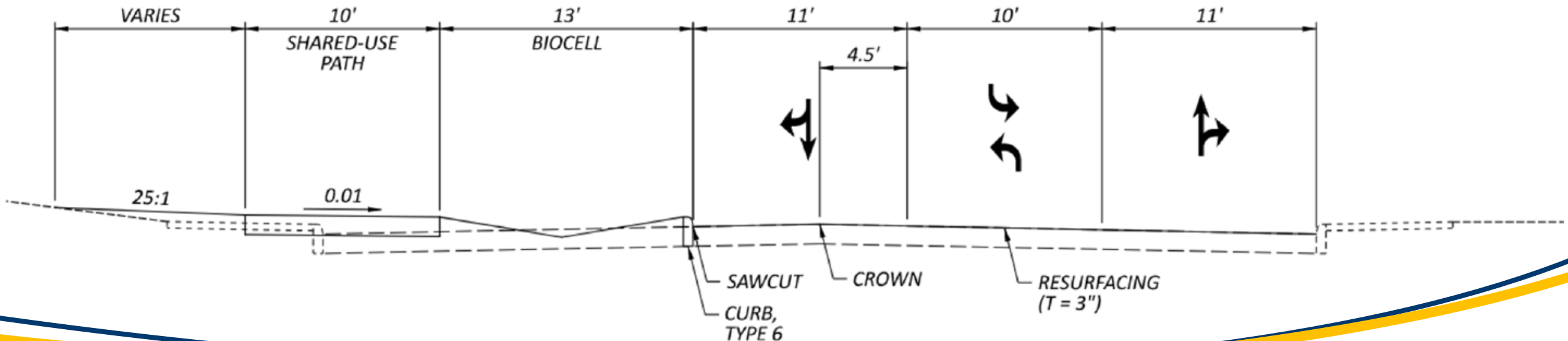
## BIOCELL



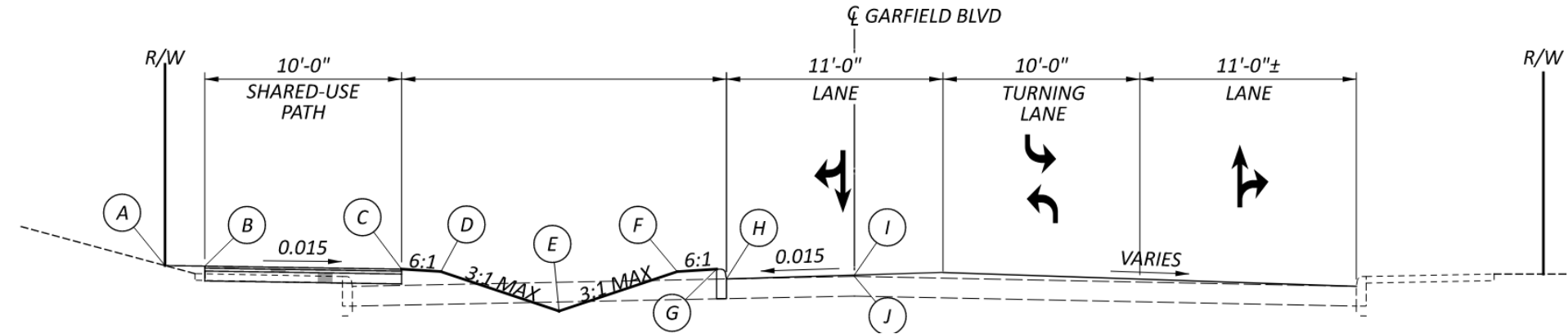
WARNER ROAD TO EAST 85TH ST.



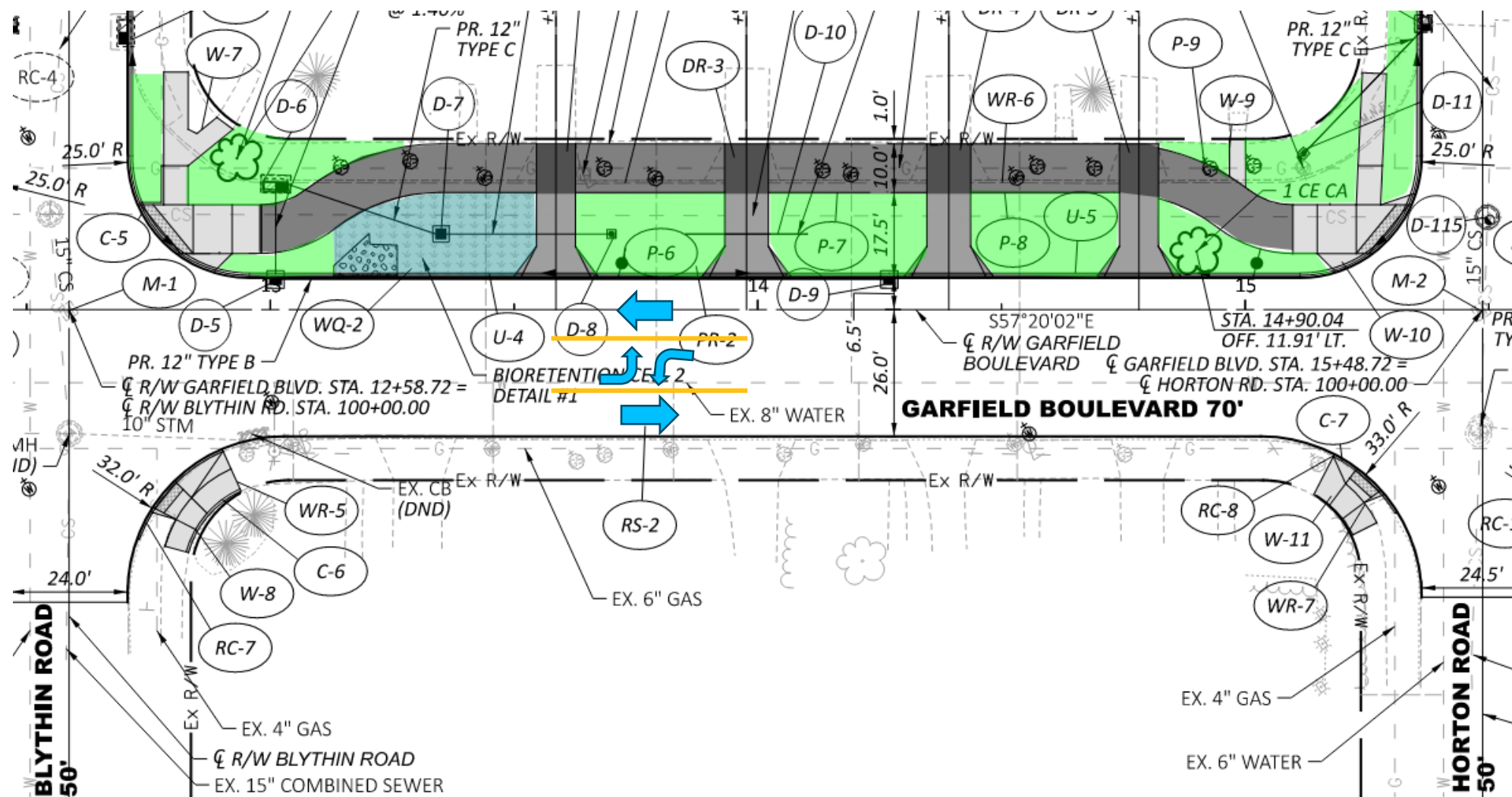
# WARNER ROAD TO E. 85<sup>TH</sup> STREET

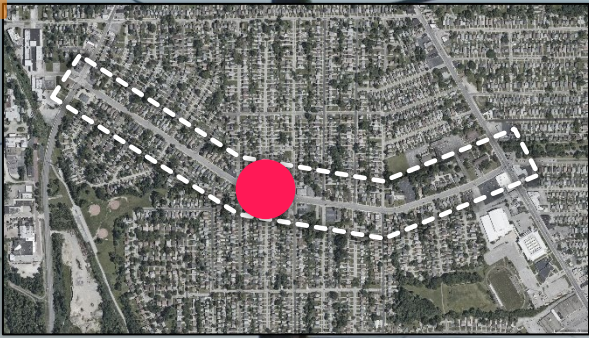


# WARNER ROAD TO E. 85<sup>TH</sup> STREET



- Allow the curb line NOT to be the low point on the cross-section
- Saves project cost by enabling resurfacing instead of full pavement reconstruction





# E. 85<sup>TH</sup> STREET TO E. 90<sup>TH</sup> STREET



Commercial  
Area

51 feet



# E. 85TH STREET TO E. 90TH STREET

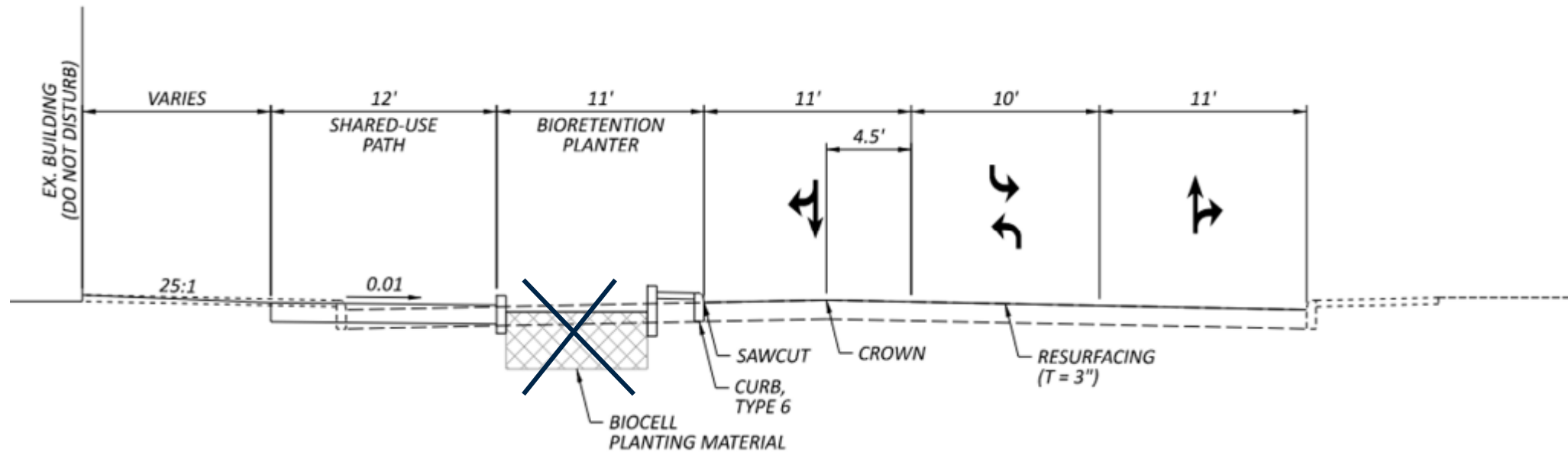
## BIORETENTION PLANTER



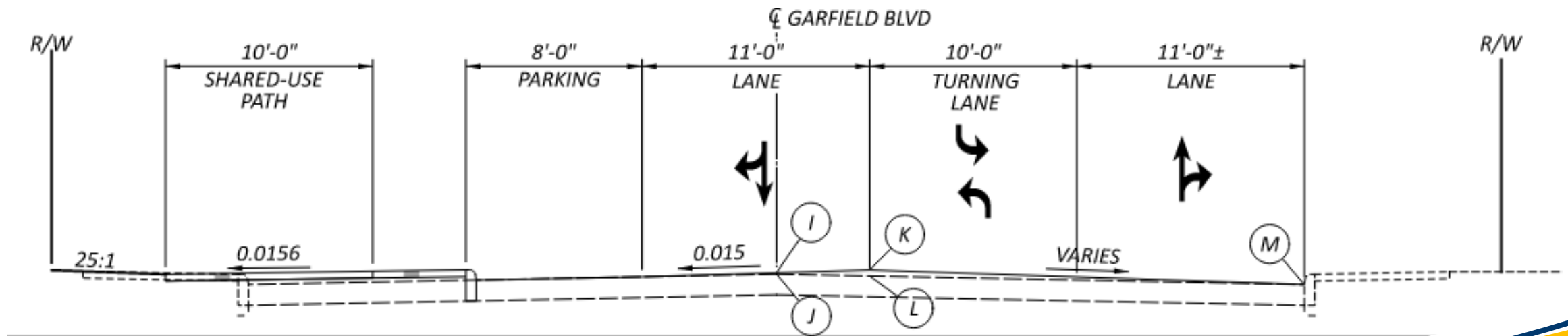
EAST 85TH ST. TO EAST 90TH ST.

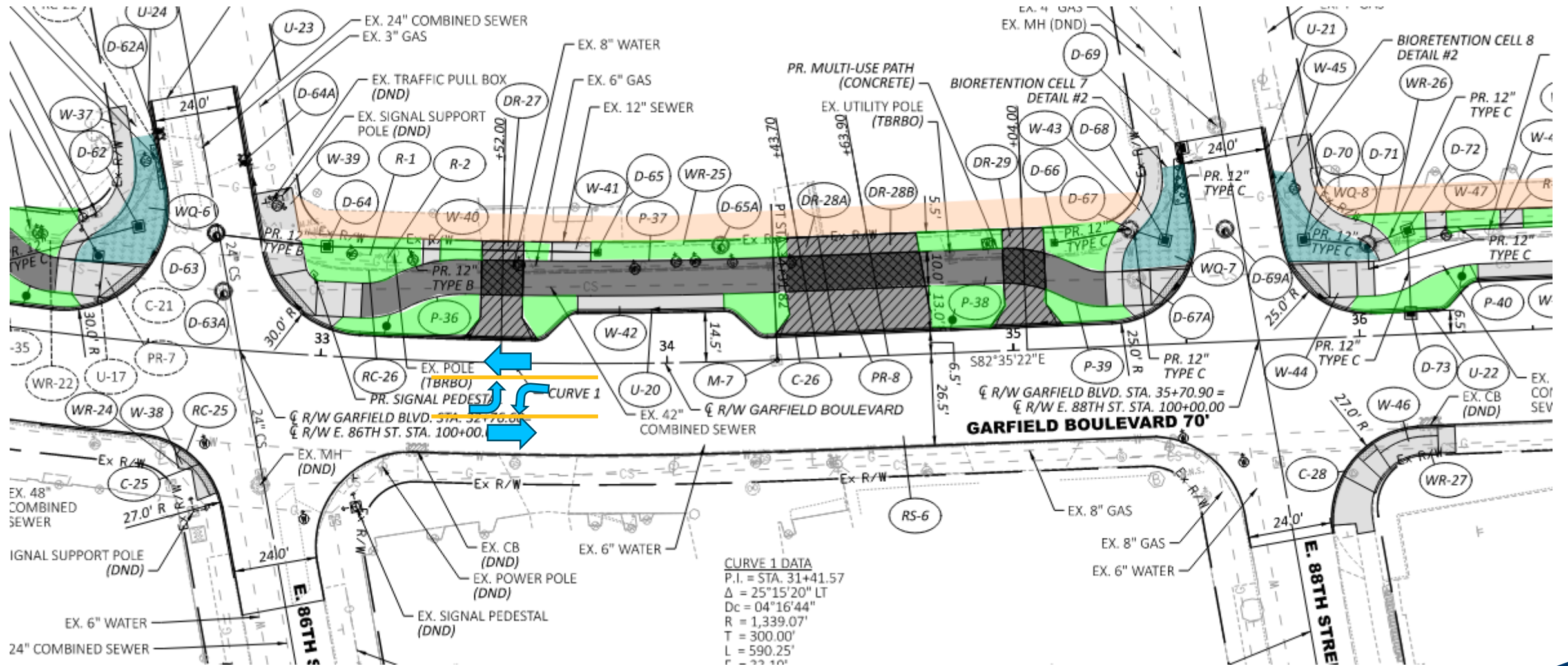


# E. 85TH STREET TO E. 90TH STREET



# E. 85TH STREET TO E. 90TH STREET





# E. 85TH STREET TO E. 90TH STREET





# E. 90<sup>TH</sup> STREET TO TURNEY ROAD

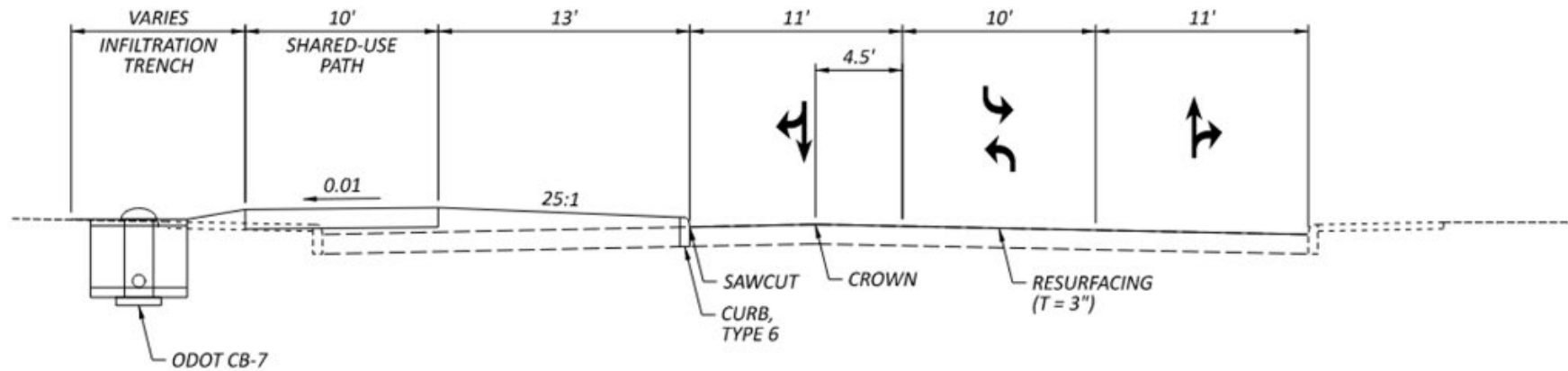
Cleveland  
Metroparks  
Garfield  
Reservation

Cleveland  
Metroparks  
Trail

51 feet

St. Paul  
Church

# E. 90<sup>TH</sup> STREET TO TURNEY ROAD



## INFILTRATION TRENCH



EAST 90TH ST. TO TURNEY RD.



# E. 90<sup>TH</sup> STREET TO TURNEY ROAD

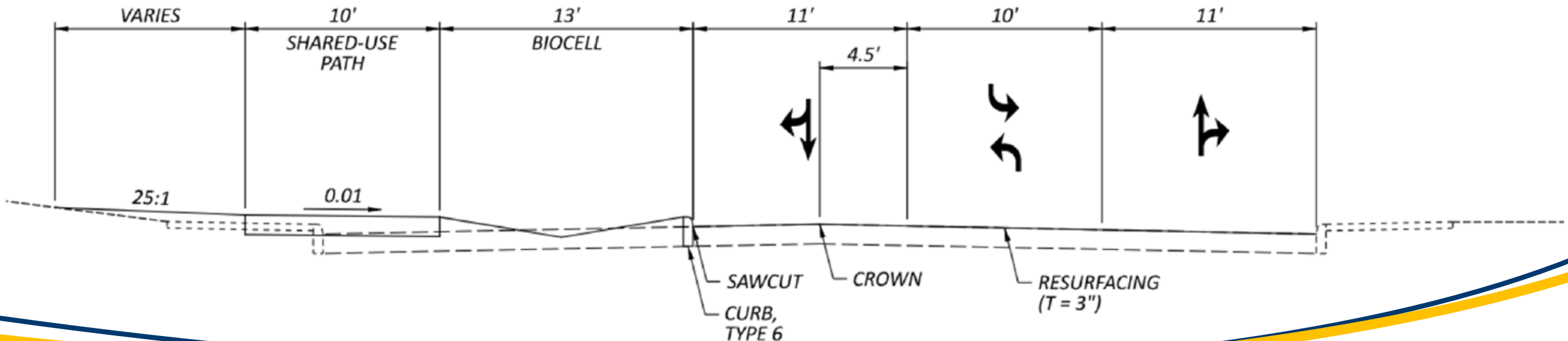
**BIOCELL**



EAST 90TH ST. TO TURNEY RD.



# E. 90<sup>TH</sup> STREET TO TURNEY ROAD



# BEFORE/EXISTING CONDITIONS





# AFTER/CONCEPTUAL DESIGN

CONCEPT



# CONSTRUCTION



# CONSTRUCTION



# CONSTRUCTION





# AFTER/CONCEPTUAL DESIGN





# AFTER/CONCEPTUAL DESIGN





# PROJECT HIGHLIGHTS

- The Garfield Boulevard Reconstruction & Trail Project will have **important impacts**:
  - **Direct benefits** can include improved safety, access, and stormwater management
  - **Secondary benefits** can include more pedestrian and bicycle traffic through the core business district on Garfield Boulevard, reinvestment as a result of renewed interest in the corridor, and a more attractive corridor



# PROJECT HIGHLIGHTS

- The proposed changes will not negatively **impact traffic**
- On-street parking will be reduced – design allows for on-street **parking spaces in business district**
- The trail and green infrastructure will be **maintained by Cleveland Metroparks**



# QUESTION & ANSWER



