

# The TRAILS and Tribulations of Restoring Beechers Brook

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*Project Manager, NEORSD*

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# NEORSD Stormwater Design & Construction Program

Navigate using the tabs below and by clicking the images to view more details on our completed, current design, and current construction stormwater projects. Zoom in to view satellite imagery and Regional Stormwater System features (e.g. streams, culverts, conduits, etc). Use the "Zoom To" drop down menu to locate your watershed.

- All Projects
- Design
- Construction
- Complete

## 1 Beechers Brook Bank Stabilization



Project Name: Beechers Brook Bank Stabilization

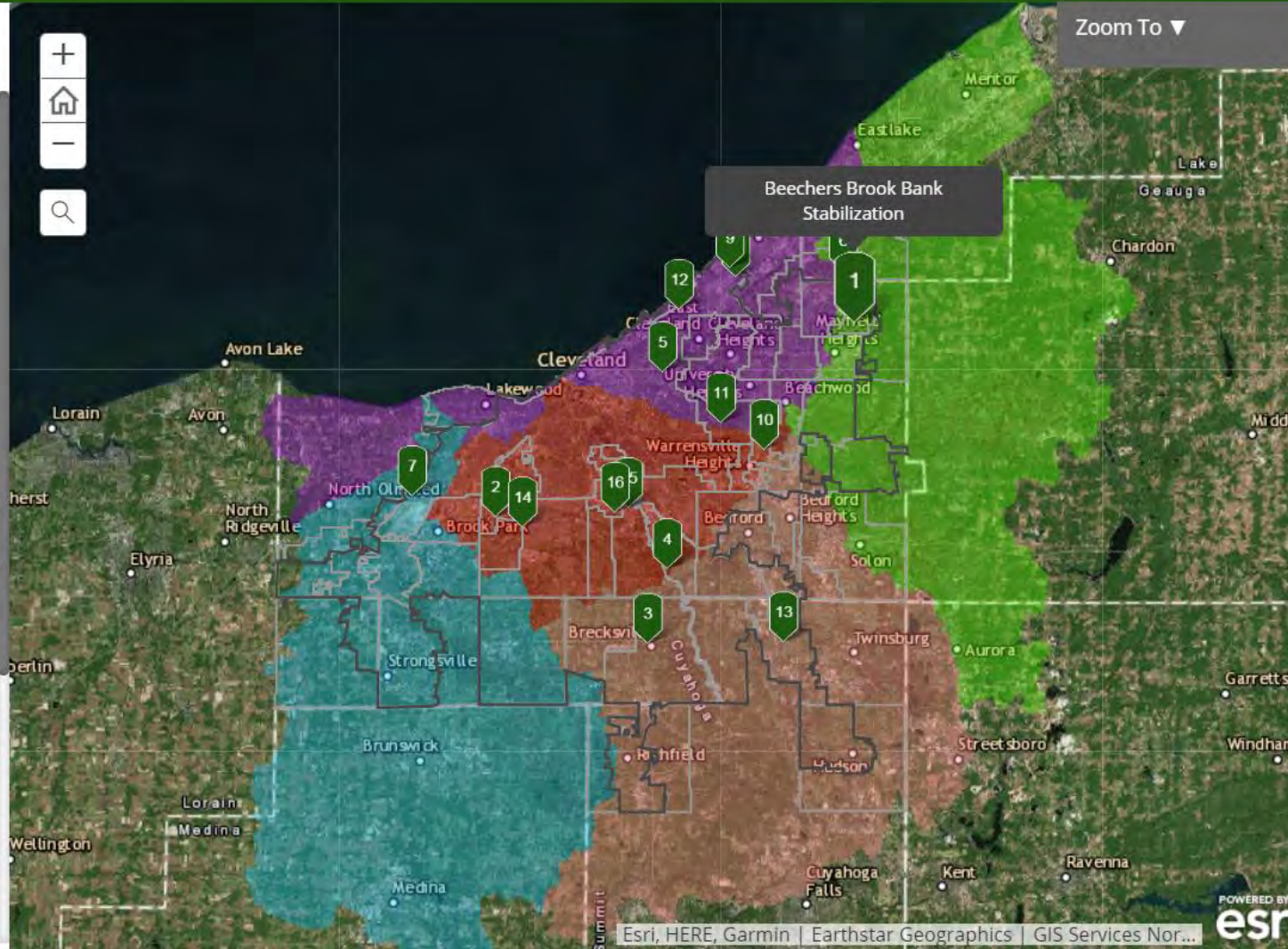
Community: Mayfield Village

Watershed Team Leader: [Jeff Jowett](#)

Watershed: Chagrin River

Subwatershed: Beechers Brook

Summary: This project stabilized approximately 595 linear feet of Beechers Brook in Mayfield



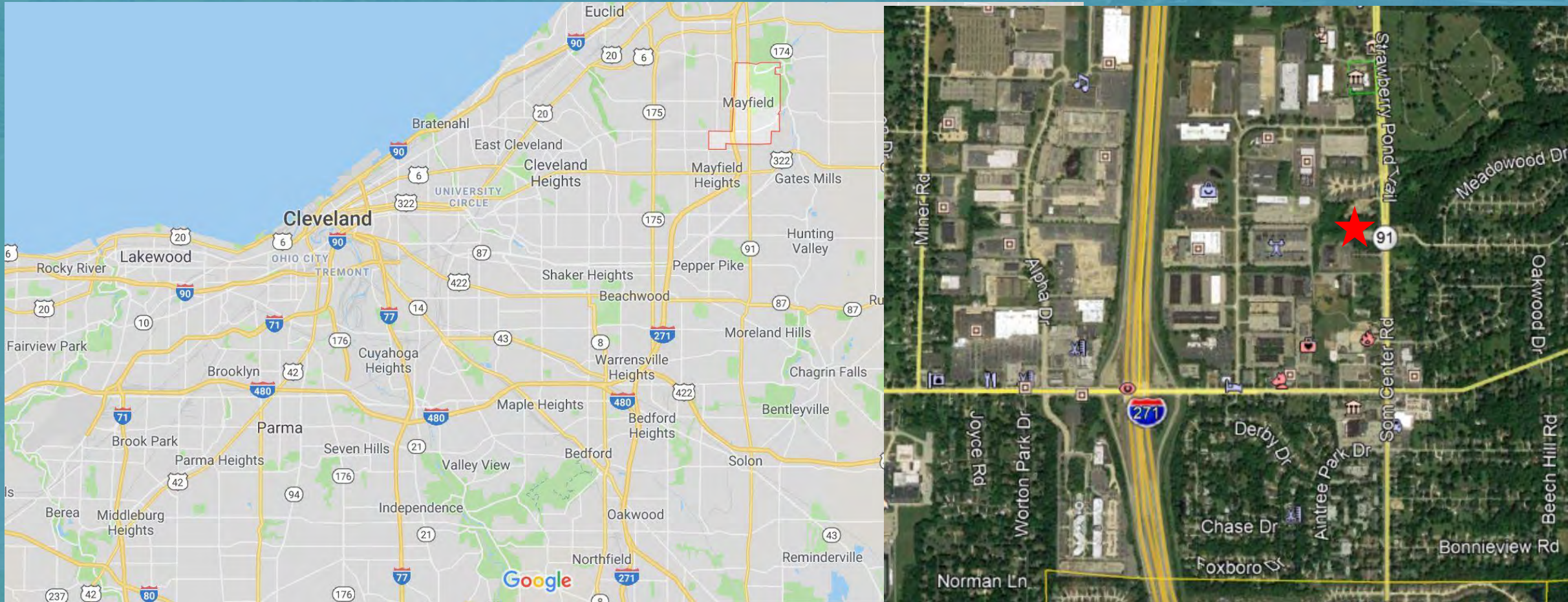


# Design-Build Project Team





# Project Location















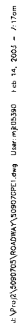


# Site History – SR 91 2003





Path: \\C:\Users\jashn\Documents\5020025\2014\5020025\5020025\ROADWAY\ User: jashn Date: 4/20/2013 7:50am



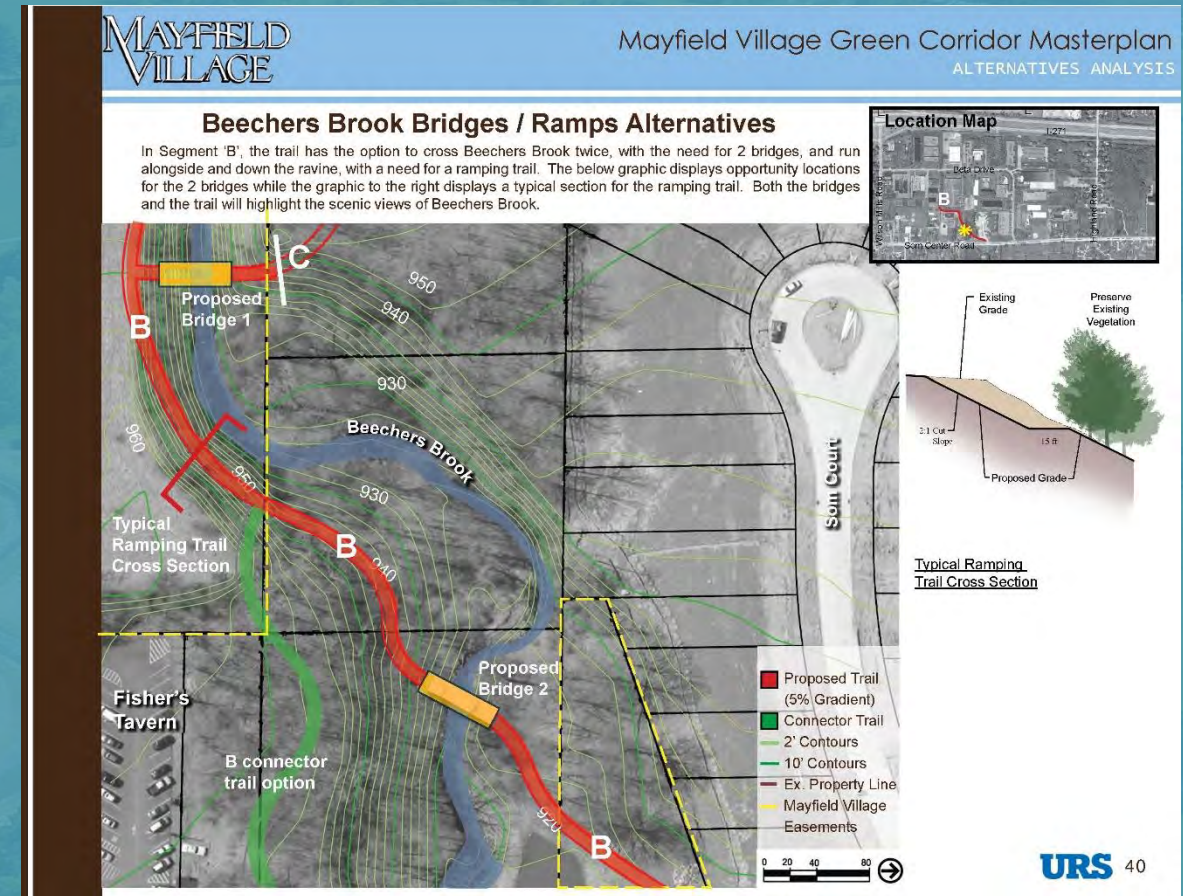
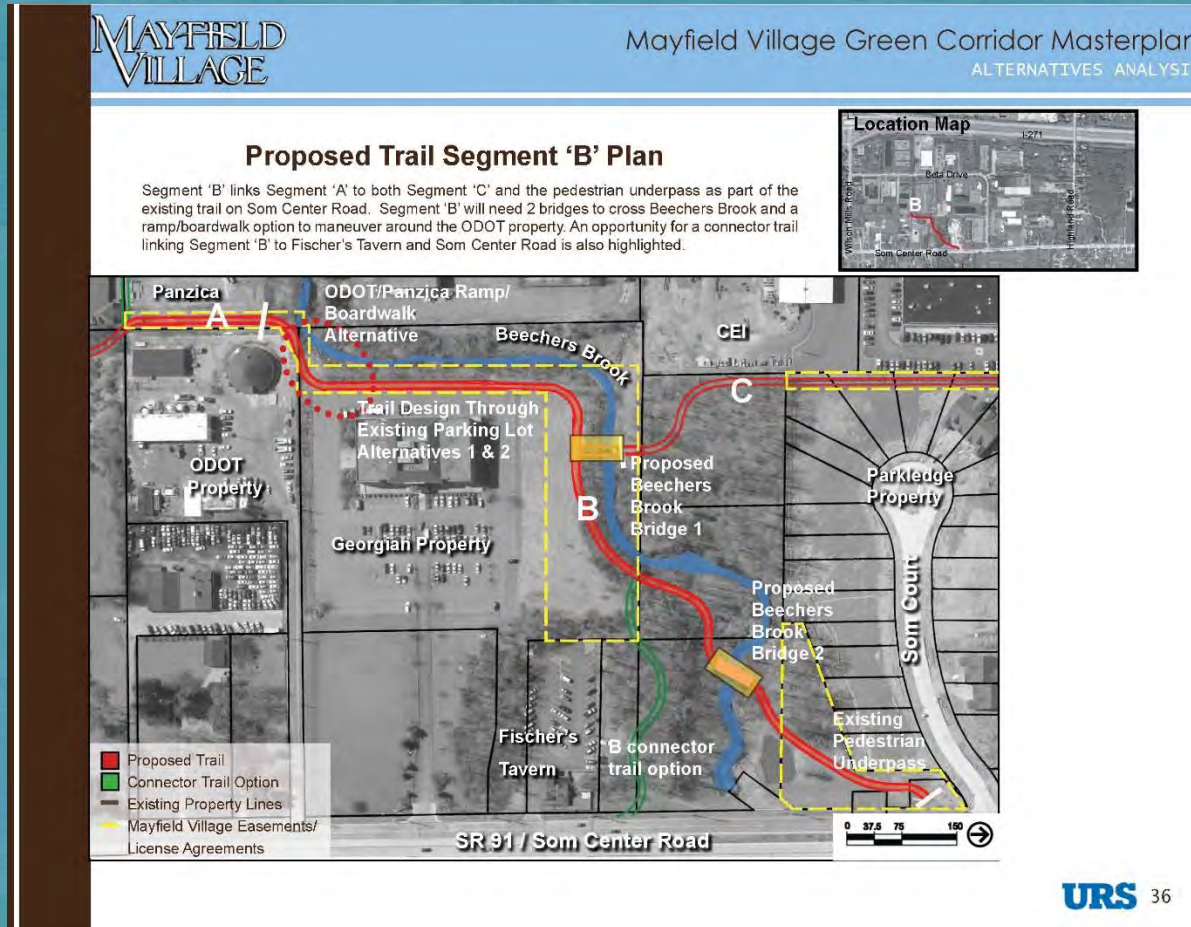


# Site History – SOM Court 2005-2017



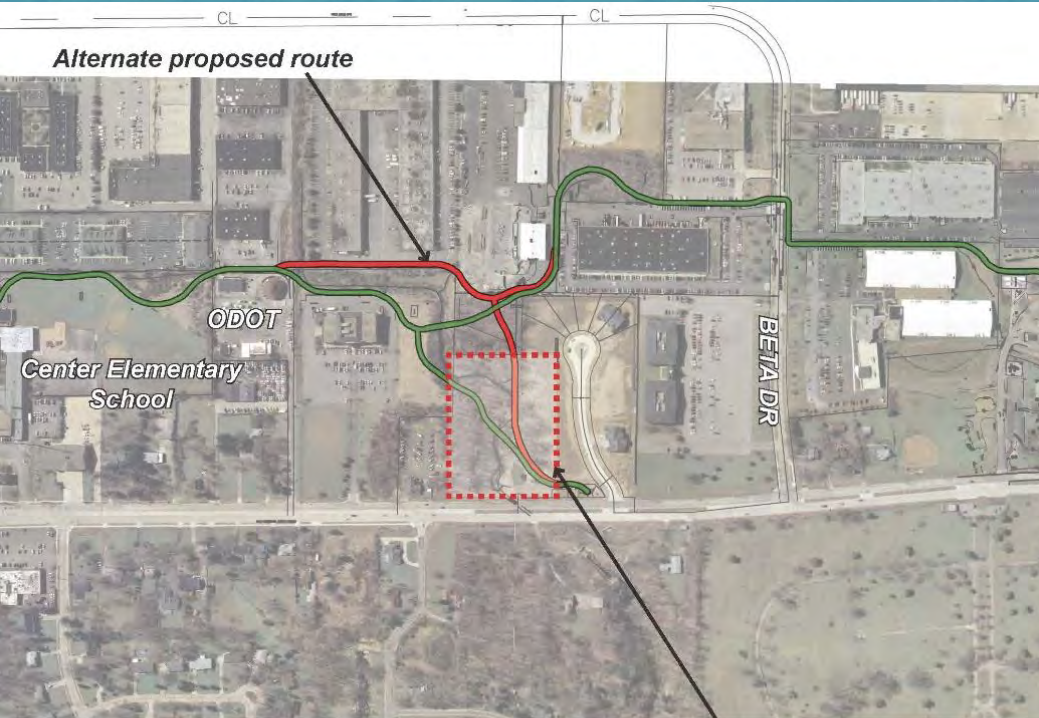


# Site History – NOACA TLCI 2008

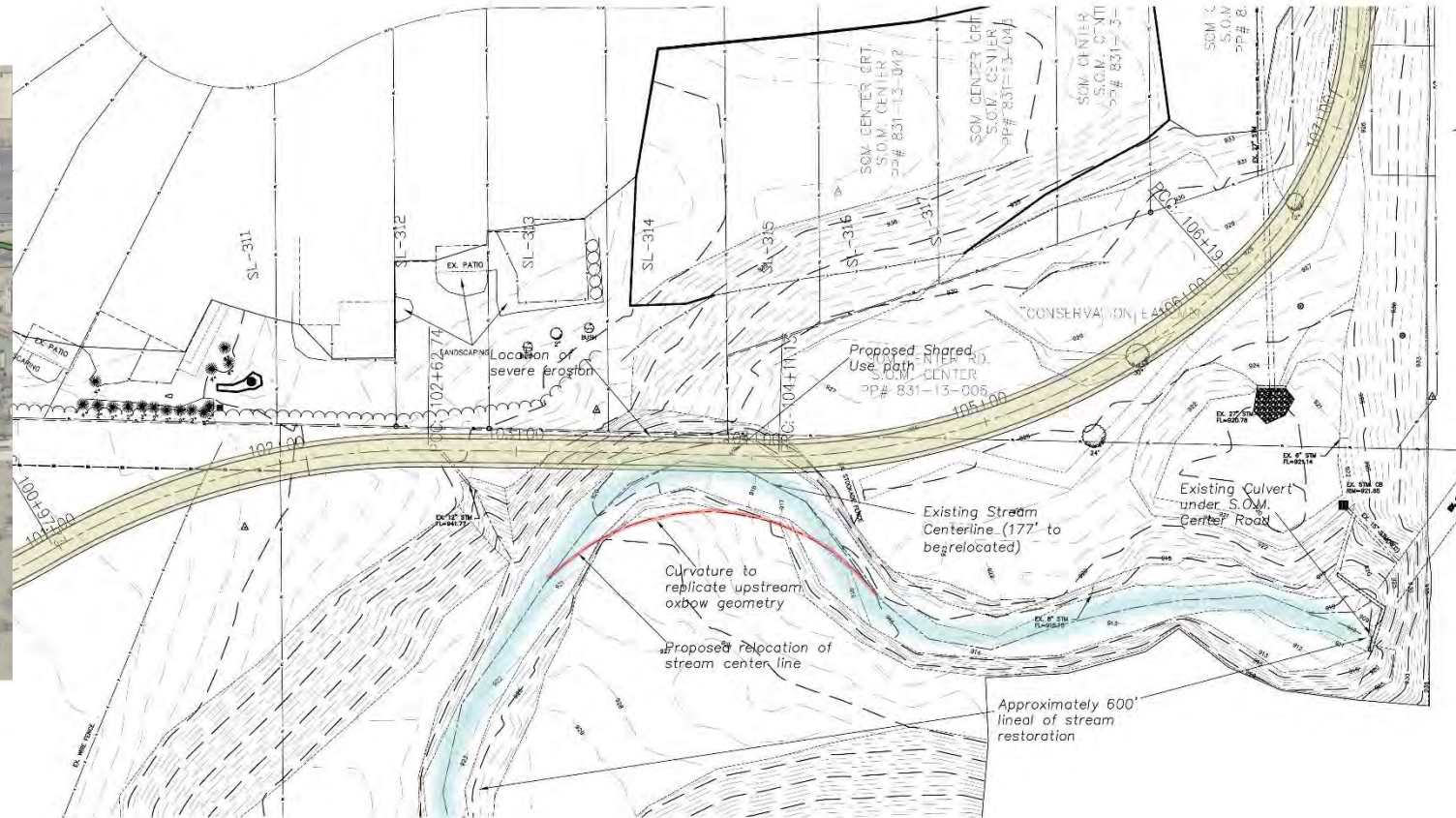




# Site History – Feasibility Study 2011

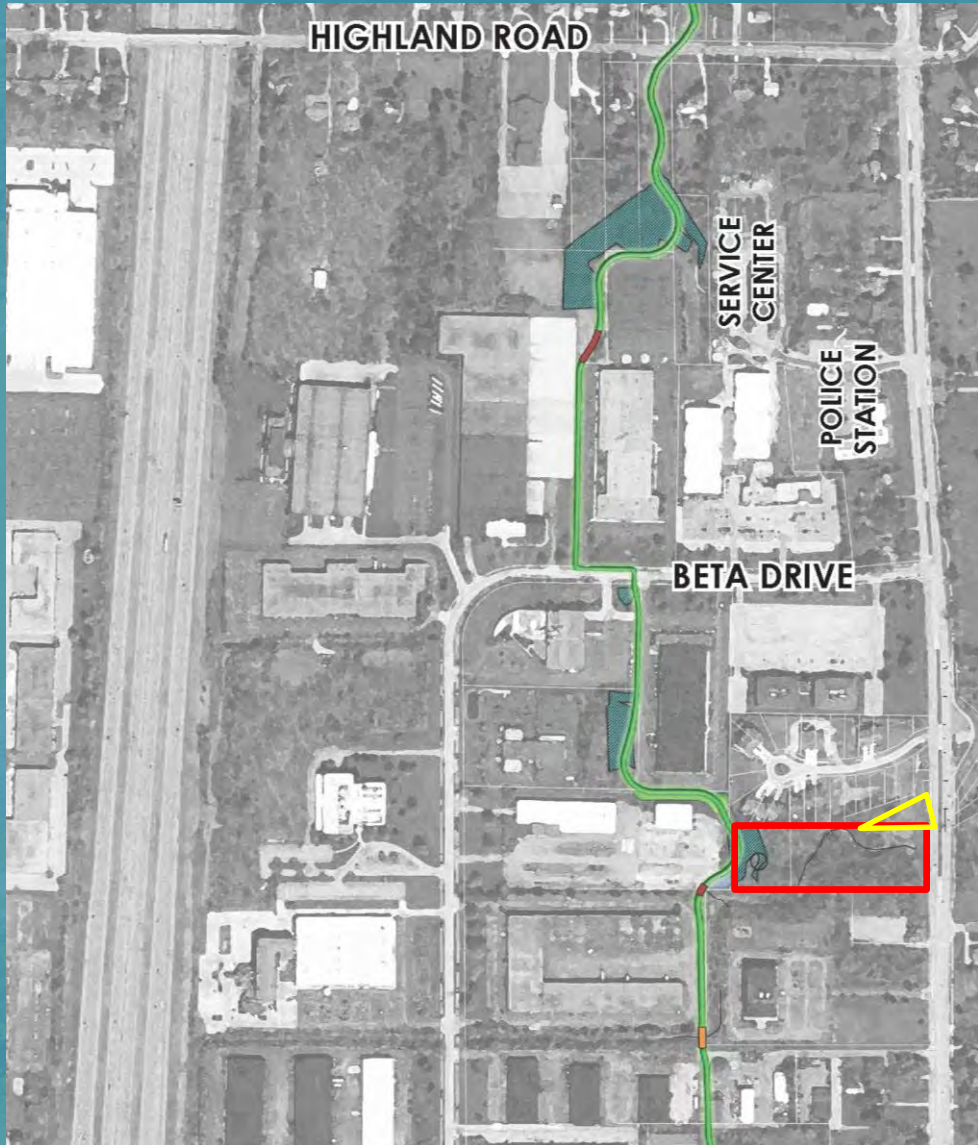


Location identified for stream restoration





# Site History – Greenway Trail – 2016





# Initial Project Goals

- Address erosion and improve water quality
- Improve stream alignment into SOM Center culvert
- Incorporate a trail connection that aligns with the stabilization and restoration project
  - Agreement between NEORSD and Mayfield Village





**Northeast Ohio  
Regional Sewer District**



@neorsd





Northeast Ohio  
Regional Sewer District



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# LEGEND

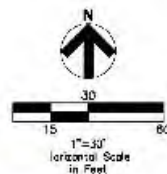
- R/W RIGHT OF WAY LINE
- XXXX EXISTING CONTOUR
- P PROPERTY LINE
- BUILDING
- STREAM - EDGE OF WATER



EXISTING WETLAND



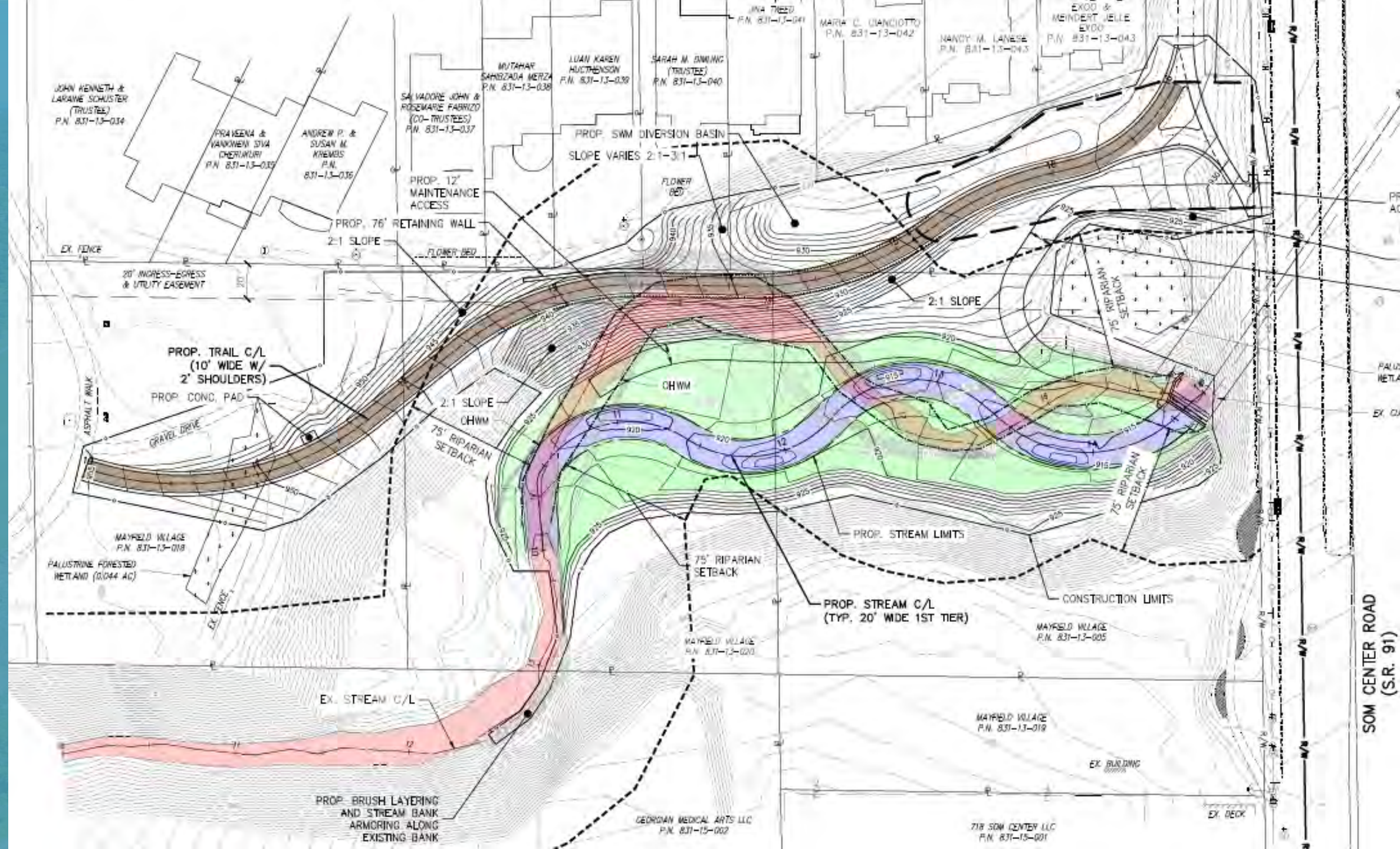
EXISTING STREAM CHANNEL



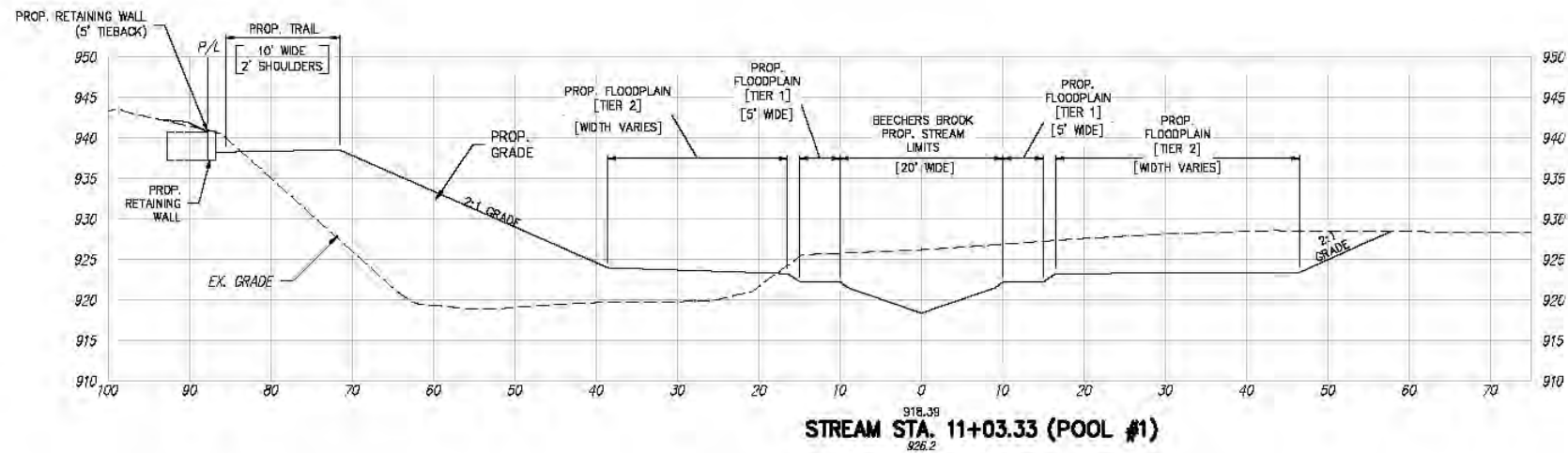
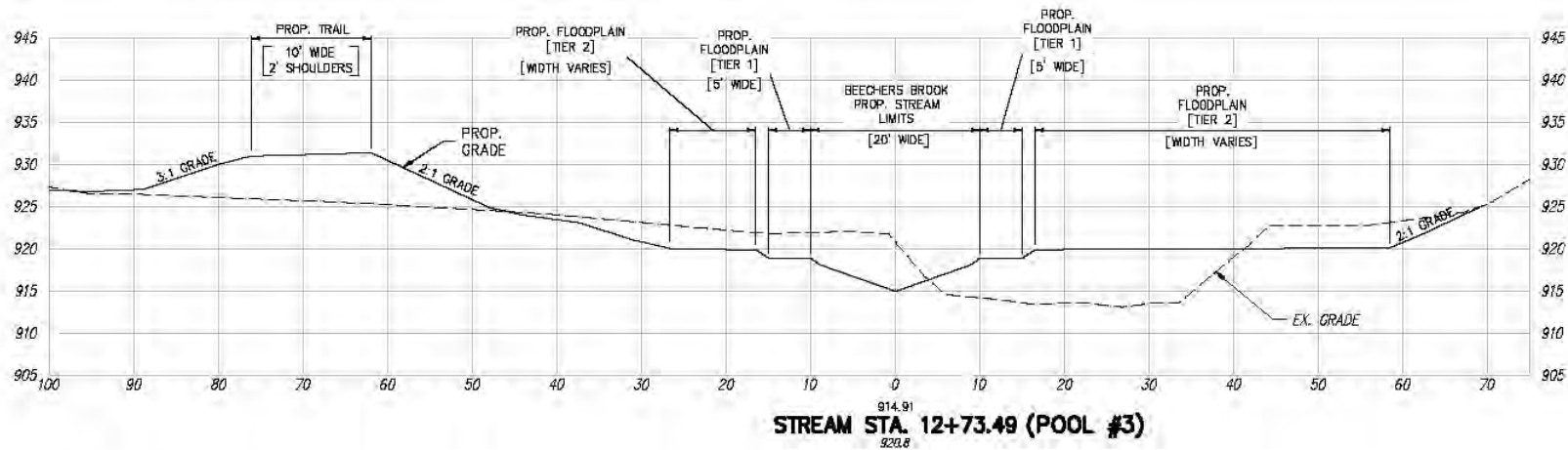














# Tribulations....

- Public meeting with residents November 2018
  - Safety
  - Trail
  - Erosion
- Council meetings with residents

Do I have to wear my house coat?

I saw someone bathing in the creek!

I called the police!

Kids come through my yard.

Where is the bridge?

Get me out of here!



# Tribulations....

- Lack of public support
- Lack of support from council
- Required approvals
  - Planning Commission
  - Variance
  - Council
- Easements

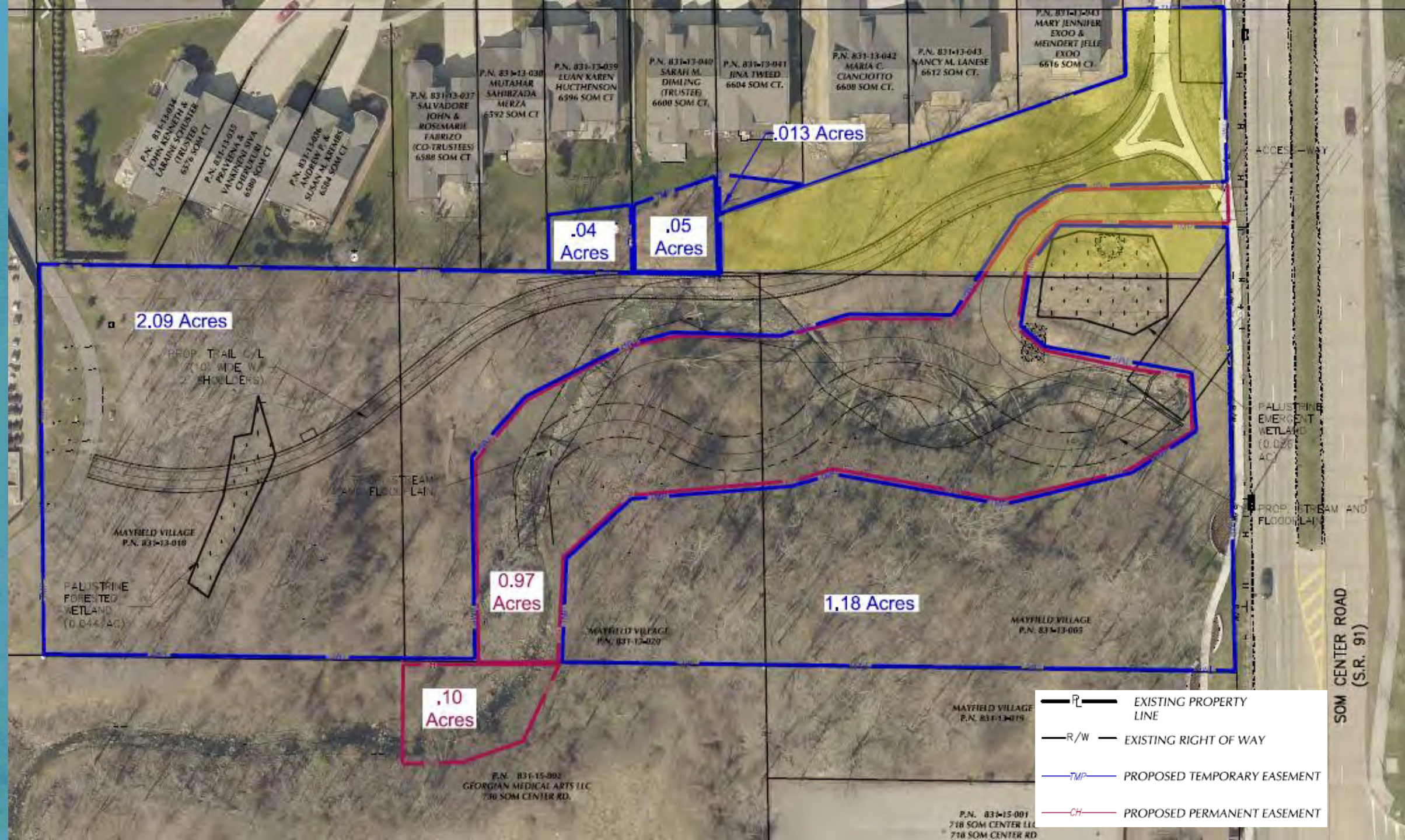
HILLCREST

## Mayfield Village Council delights residents by saying no to connector path

Posted Feb 20, 2018







- EXISTING PROPERTY LINE
- EXISTING RIGHT OF WAY
- PROPOSED TEMPORARY EASEMENT
- PROPOSED PERMANENT EASEMENT



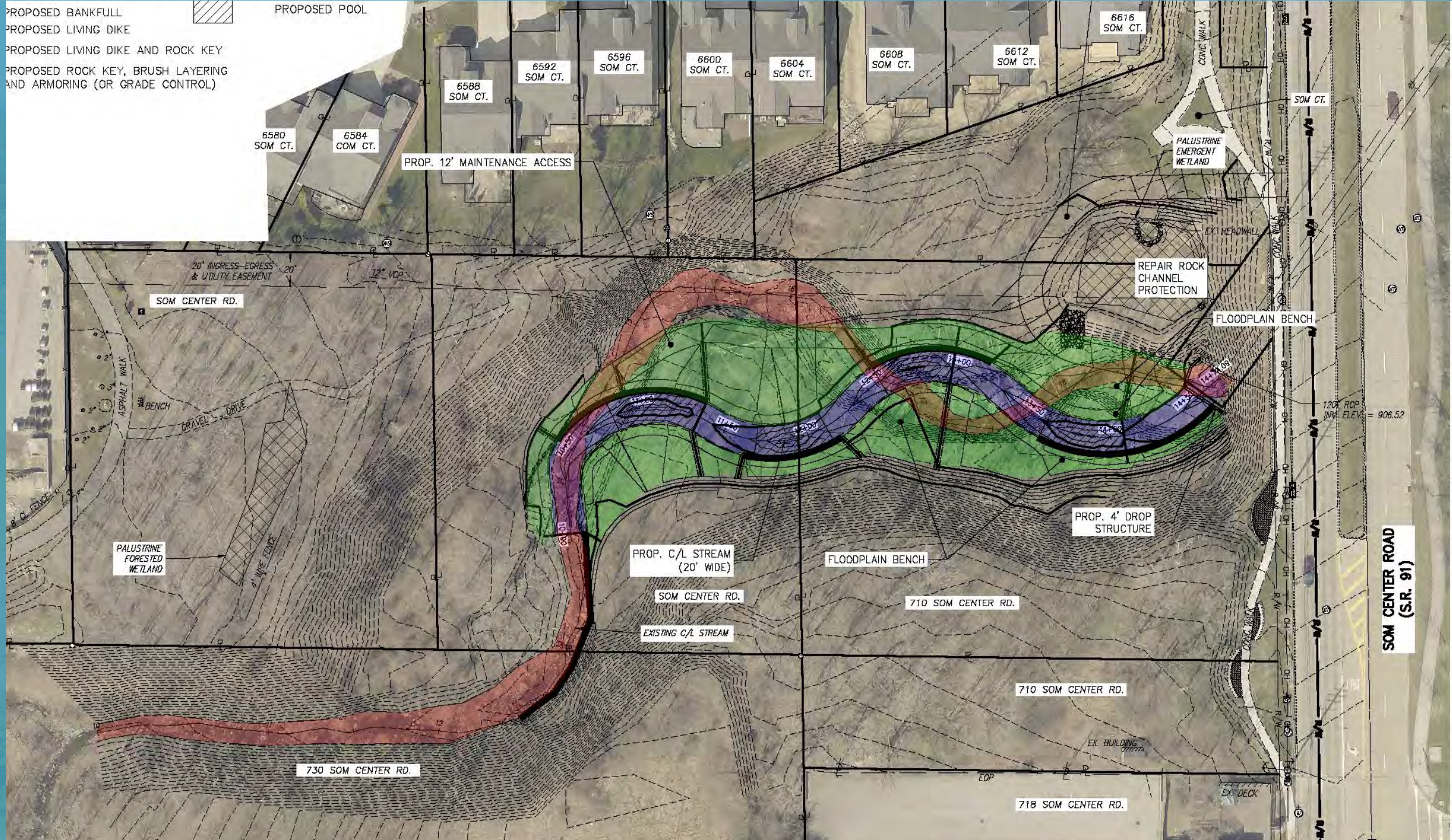
PROPOSED BANKFULL  
PROPOSED LIVING DIKE



PROPOSED POOL

PROPOSED LIVING DIKE AND ROCK KEY

PROPOSED ROCK KEY, BRUSH LAYERING  
AND ARMORING (OR GRADE CONTROL)

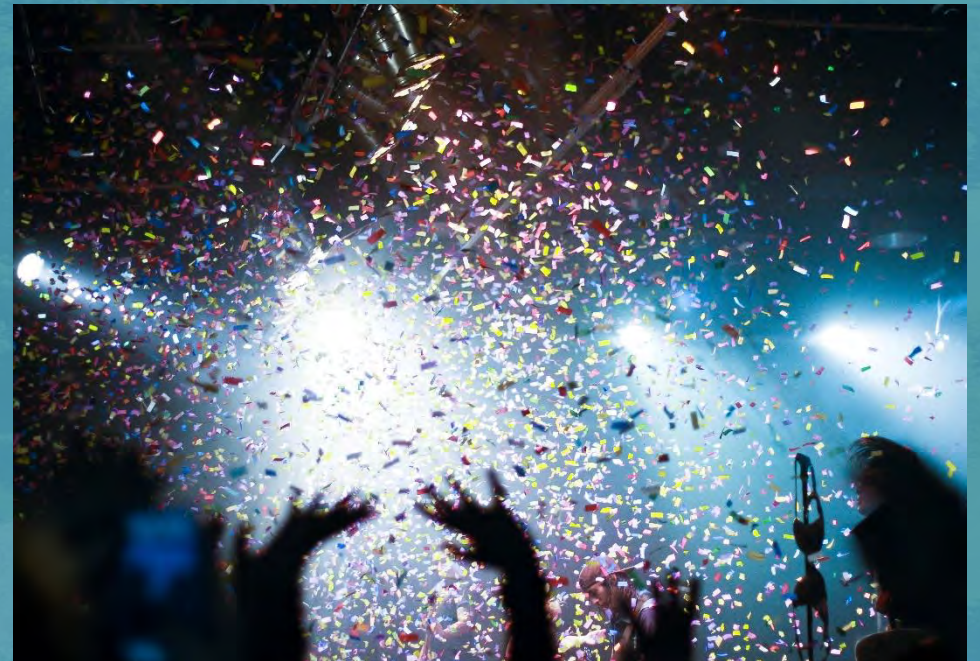


SOM CENTER ROAD  
(S.R. 91)



# Success

- Planning Commission
- Variance
- Council
- 4 out of 5 Easement requests
- Time to construct!





# It's not over till it's over...

- Protect against risk
  - Home Inspections
  - Seismographs
- Building trust
  - Additional landscape
  - Limited access and parking
  - Grade out
  - Get your boulders
  - Saving Trees







Proximity to Structures









2017

nearmap



2018

nearmap



















# Summary

- Manage expectations
- Flexibility
- Public support







Northeast Ohio  
Regional Sewer District

## Beecher's Brook Bank Stabilization

will improve stream function and water  
quality, and address erosion issues.



Contract cost:  
\$1,400,000  
(216) 881-8247  
seorsd