

# White Beech Drain

## Public Informational Meeting

Saginaw Charter Twp – Firehall #1

March 12, 2024

6:00 PM



Brian J. Wendling

Saginaw County Public Works Commissioner

# Purpose of Meeting



- Inform landowners adjacent to drain of proposed improvements
- Public Works Commissioner to receive input and comments from landowners on the proposed plan

# Presentation Agenda

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- Drain Background
- Drainage District
- Survey and Design
- Storm Sewer Improvements
- Cleanup and Restoration
- Tentative Project Schedule
- Preliminary Estimate of Cost
- Questions and Comments

# Drain Background

- The White Beech Drain will be a newly established county drain
- Application for establishing Drainage District Received on September 8, 2022
- Order Laying out and Designating District filed October 18, 2022
- Petition to establish a county drain received on November 28, 2022
- Board of Determination held January 11, 2023
- Surveying and Engineering for project authorized to begin March 15, 2023

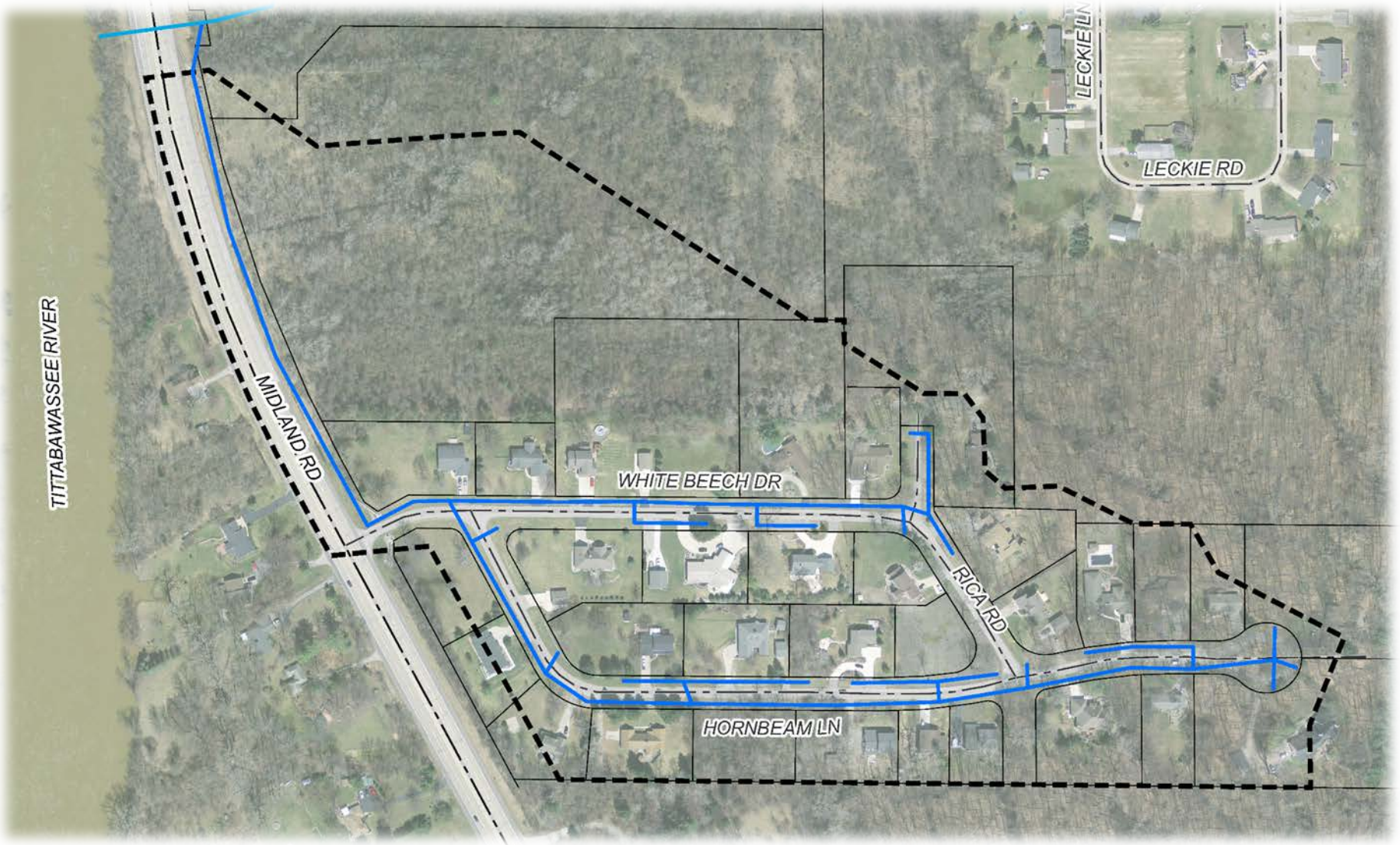
# Drain Background

- Where will the White Beech Drain be located?
  - The drain will be a storm sewer system that will serve all of the White Beech subdivision.
  - The drain will utilize a storm sewer along the east side of M-47 to convey the water north and eventually outlet the storm water to the Rapanos Drain
  - Total length of approximately 1.2 Miles

# Drainage District

- What is the drainage district?
  - Lands that contribute storm water to drain
  - Drainage District serves as the special assessment district
  - White Beech Drain Drainage District includes:
    - Saginaw Charter Township
    - Saginaw County
    - MDOT
    - Landowners – Approximately 31 parcels
    - 41 Acres +/-

# Drainage District Map and Drain Location Map



# Survey, Engineering & Design

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- Survey of drain
- Draft survey onto plans
- Engineering field review
- Existing utility research
- Hydrology and hydraulic calculations
- Analyze alternatives
- Final design of plans



# Survey

- Surveyed entire White Beech Subdivision
  - Collected topographic features in road ROW area
    - Road, Driveways, CB/MH, Hydrants, Utilities, Trees
  - Cross sections every 100 feet
  - Also surveyed the east side of M-47 along the route of the drain outlet.

# Design

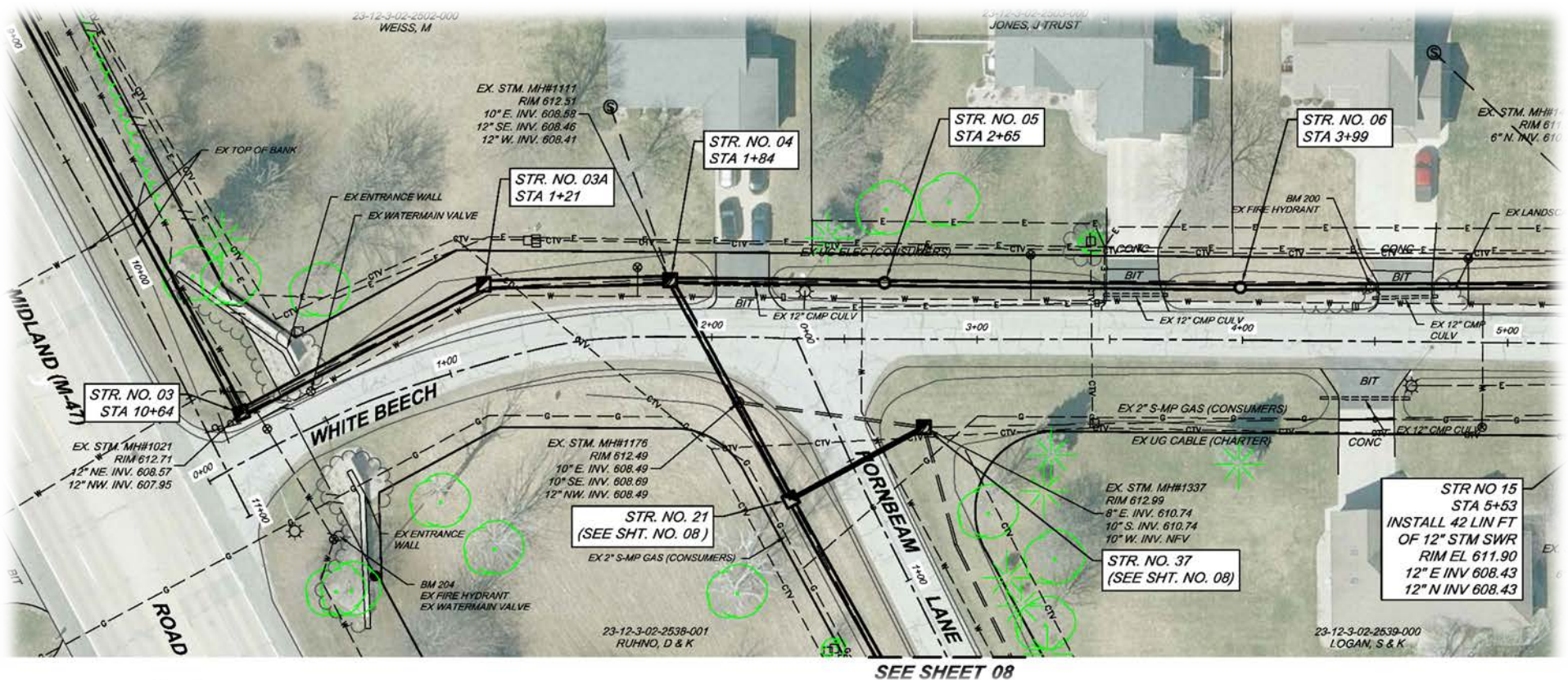
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- 10-Year Design Storm
  - Saginaw County Standard Level of Service
  - 1.43 Inches of rain in 1 hour
  - 3.05 Inches of rain in 24 hours

# Project Scope

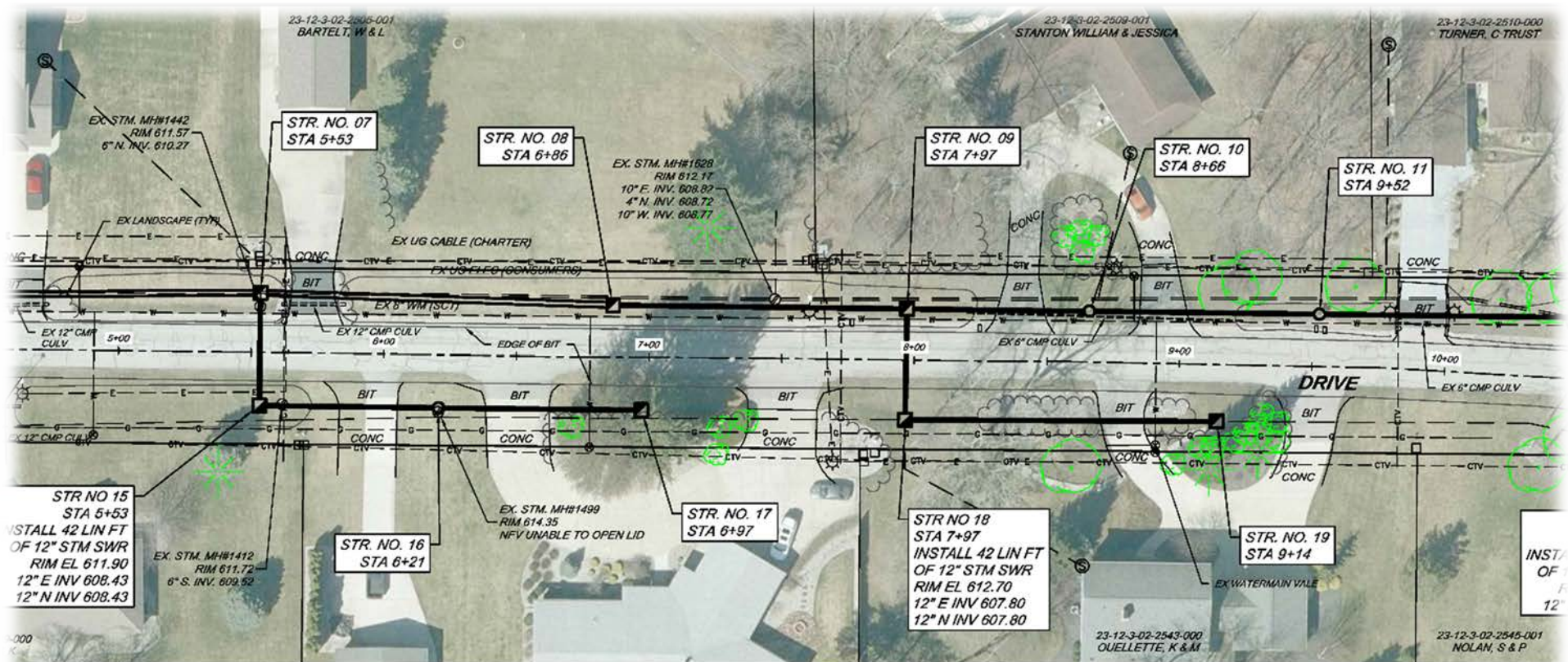
- Storm Sewer Improvements
  - Existing storm drain tiles will be removed or abandoned
  - New larger and deeper storm sewers will be installed
  - Direct access to storm drain catch basins
- Pavement Restoration
  - Roads will be patched as needed to facilitate construction
  - Driveways removed for construction will be restored in kind

# White Beech Drive

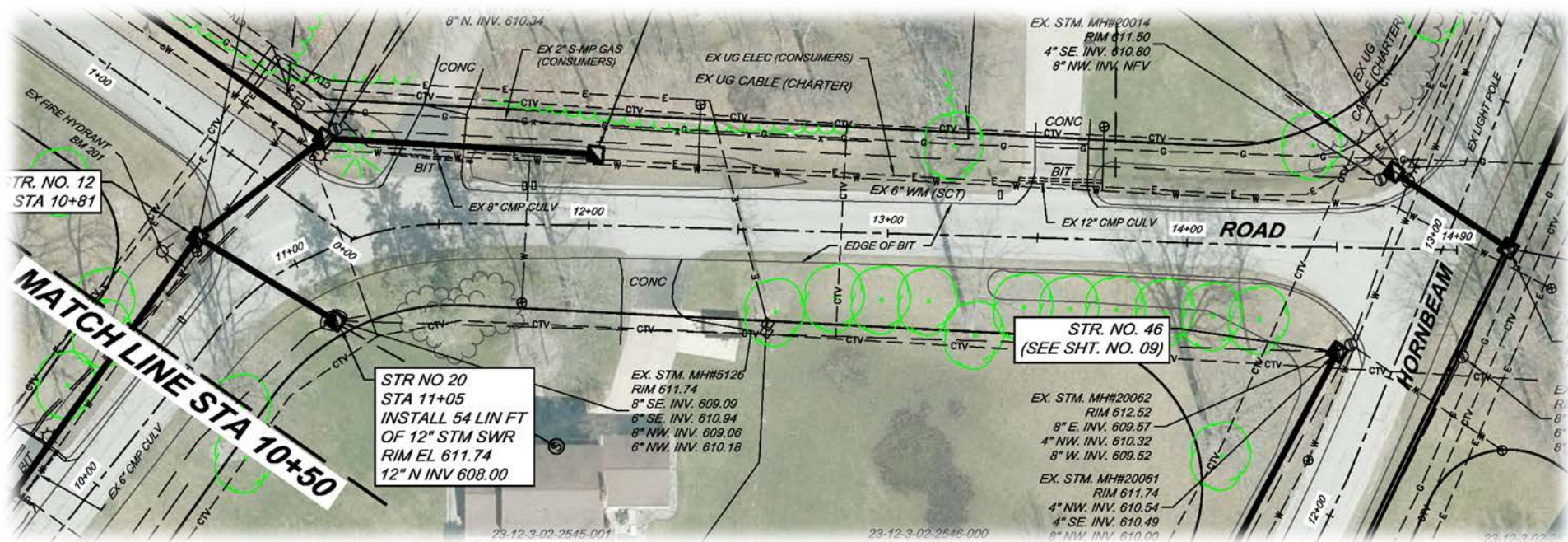




# White Beech Drive (cont.)

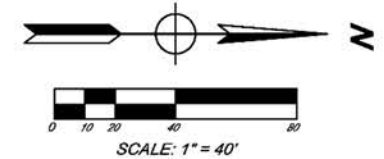
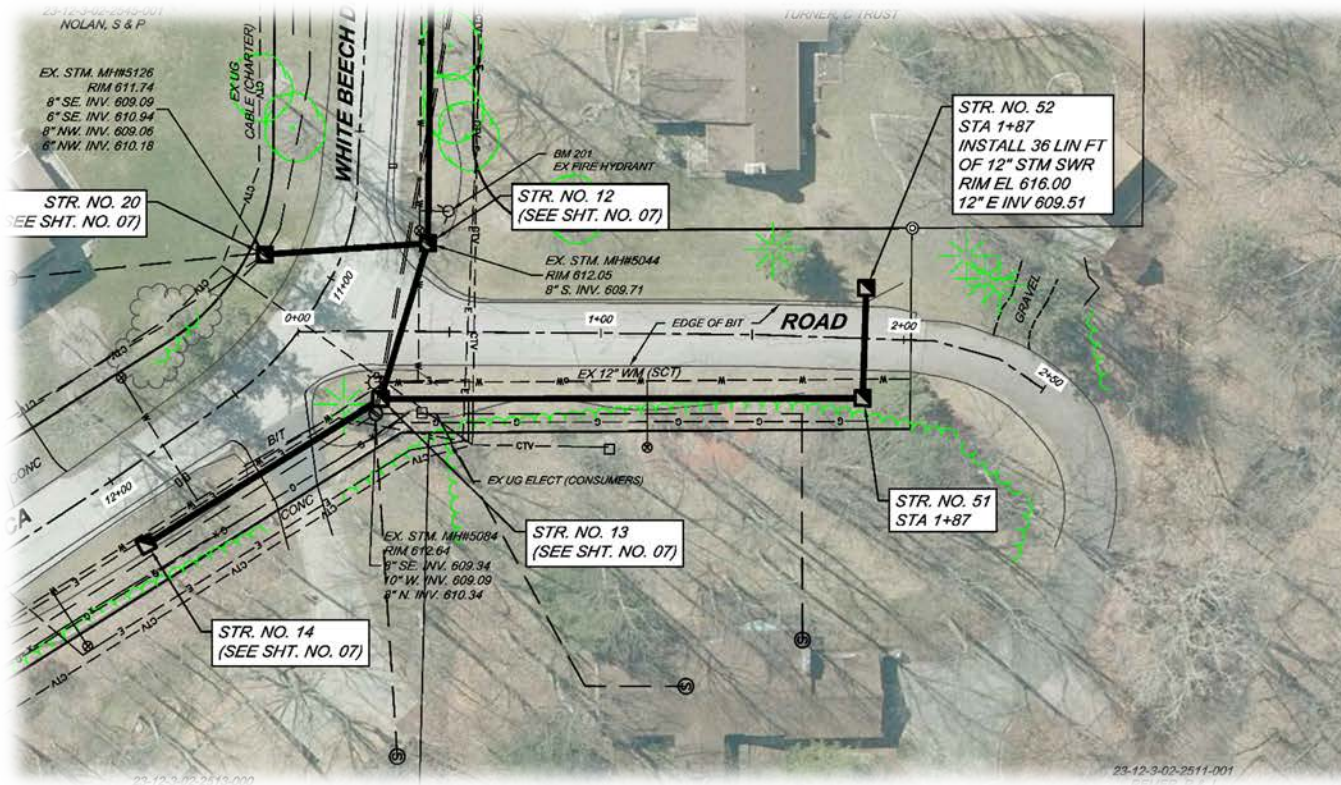


# White Beech Drive / Rica Road





# Rica Road



**SECTION 02, T12N-R03E,  
SAGINAW TOWNSHIP,  
SAGINAW COUNTY, MICHIGAN**

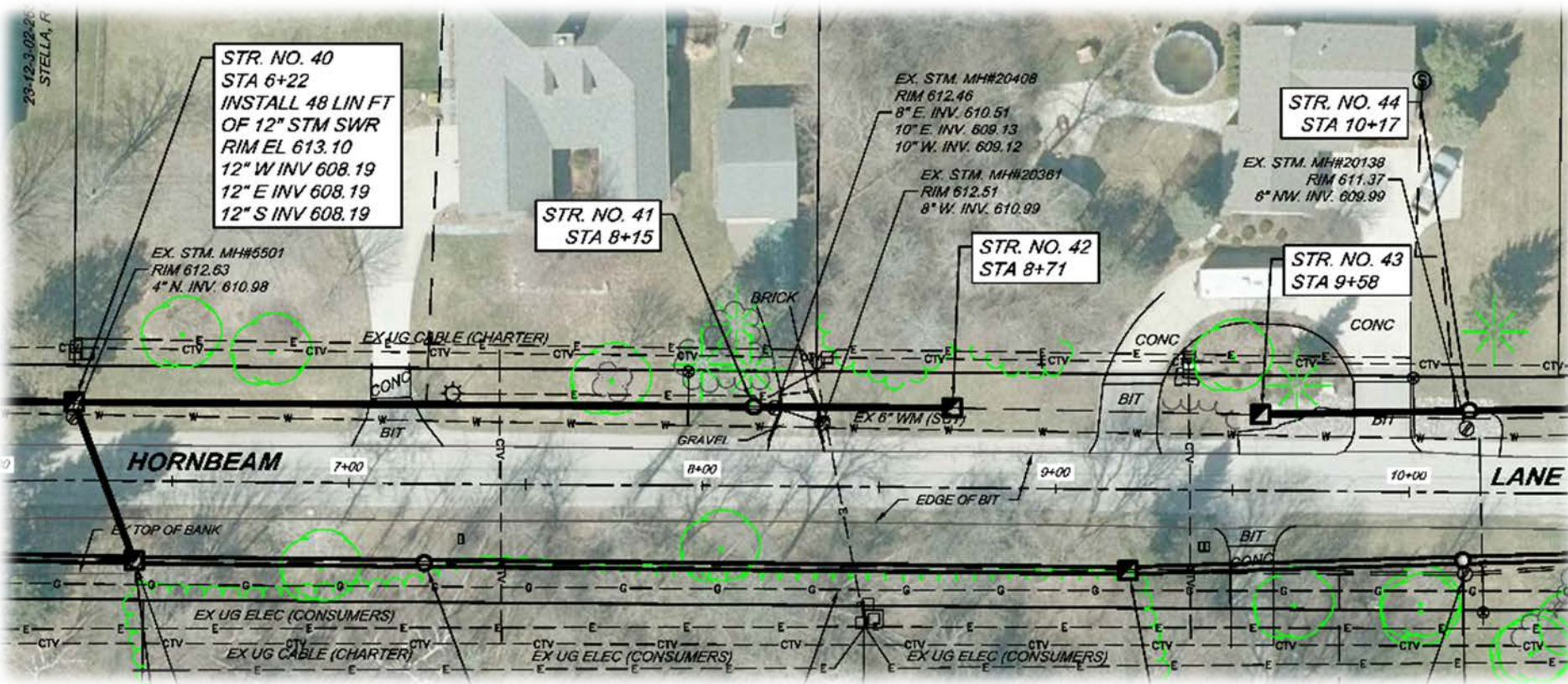






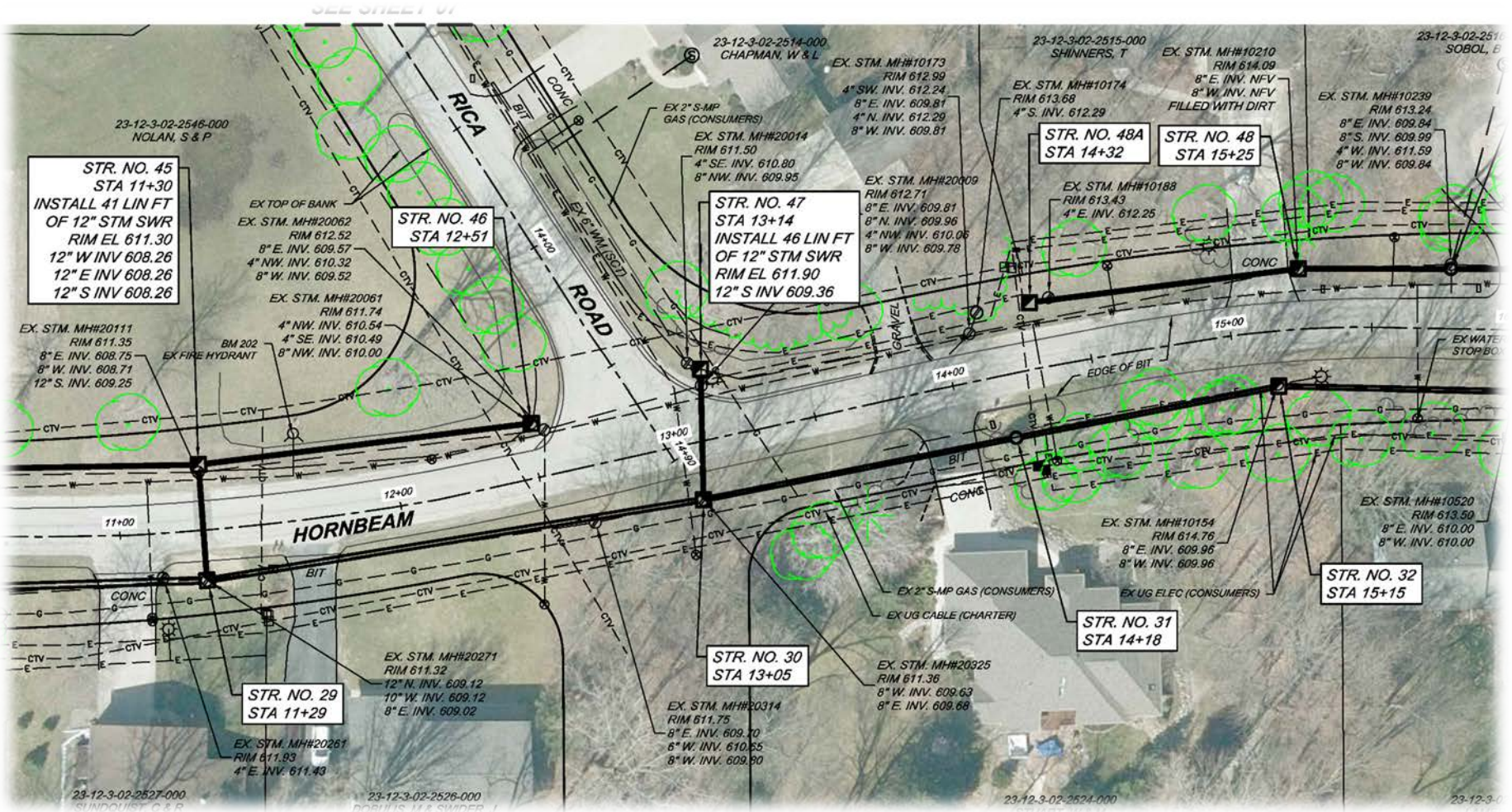
# Hornbeam Lane (cont.)

23-12-3-02-2  
STELLA, F



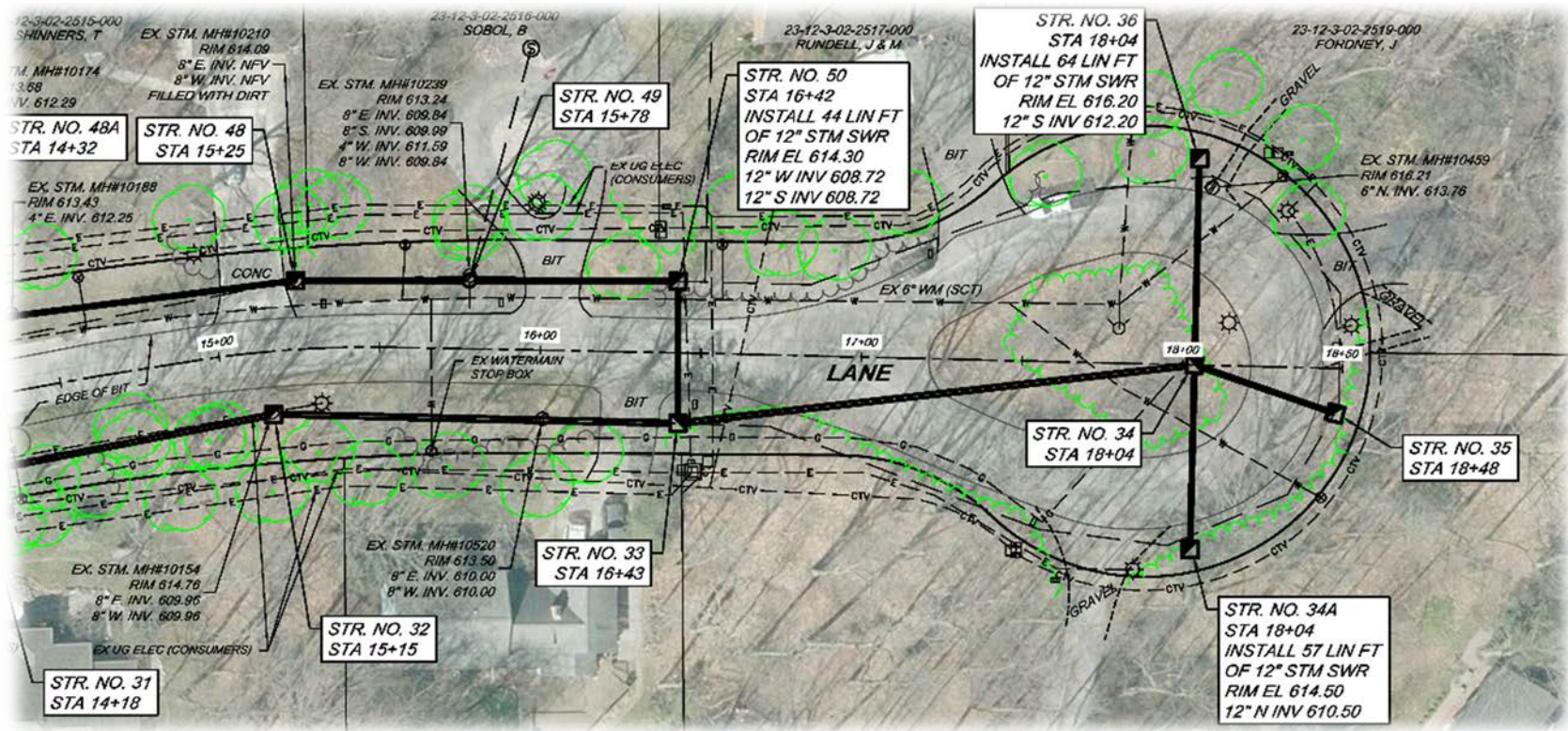


# Hornbeam Lane (cont.)





# Hornbeam Lane (cont.)



# Right of Way Encroachments

- Fences, Sheds, Other items in Right-of-Way
  - Landowners to remove all fences, landscaping, or other items within the road/drain right-of-way in advance of construction
  - Any items left within the right-of-way will be removed and stockpiled as needed for construction
  - Reinstallation of removed fencing and landscaping only allowed outside of the drain right-of-way and is the responsibility of the landowner

# Cleanup and Restoration

- All spoils along lawn areas will be hauled.
- All disturbed lawn areas will be landscape graded and seeded with a minimum 4" of topsoil.
- All trees removed in lawn areas will be completely removed from the site unless the landowner requests to keep the wood.
- Stumps from cut trees in mowed areas will be ground below the surface, covered with topsoil, and seeded.

# Cleanup and Restoration

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- Small trees and shrubs will be removed as needed for construction
- If needed, mailboxes will be temporarily relocated and reinstalled as needed for construction
- Local traffic shall be maintained at all times

# Tentative Project Schedule

- Bid Project – End of April
- Day of Review of Drainage District Boundary – End of April
- Day of Review of Apportionment – Following Bidding - May 2024
- Contractor Notice to Proceed – Late Summer/Fall 2024
- Substantial Completion – October 2025
- A formal Notice will be mailed with date for day of review



# Project Cost

- Estimated Cost: \$1,550,000
  - Includes:
    - Storm Sewer construction
    - Cleanup and restoration
    - Utility coordination
    - Engineering, survey and design
    - Financing fees
    - Construction staking and inspection
    - Contingencies
  - Final project cost determined by Contractor's bid

# Questions or Comments?

