

Kilgus Drain

Board of Determination Meeting
July 25, 2022



Ken Yonker
Kent County Drain Commissioner

Why Are We Here?

- **Petition** filed by Bowne Township on June 24, 2022 for *Maintenance and Improvement*
- **Michigan Drain Code** (Public Act 40 of 1956) mandates a Board of Determination meeting
- **Board** composed of 3 disinterested property owners from outside of affected municipalities
- Determine **necessity** based on public health, convenience or welfare after hearing testimony

BOWNE TOWNSHIP
**PETITION FOR MAINTENANCE
AND IMPROVEMENT OF A DRAIN**

KILGUS DRAIN

To the Kent County Drain Commissioner:

The undersigned is Bowne Township, Kent County, Michigan. This petition has been duly authorized by the governing body of Bowne Township and requests that the Kilgus Drain be maintained and improved as provided in Chapter 8 of Public Act 40 of 1956, as amended, to alleviate drainage issues in the Drainage District.


The Kilgus Drain is located in Bowne Township, Kent County, Michigan.

The proposed maintenance and improvement is necessary for the public health, convenience or welfare and benefits the public health in Bowne Township.

Bowne Township will be liable for an assessment at large against it for a percentage of the cost of the proposed maintenance and improvement.

Dated: Jun 24, 2022


By: Randy Wilcox
Its: Supervisor


By: Karen L. Hendrick
Its: Clerk

Please Note:

- Function of the Board of Determination is ***to determine whether a problem exists and whether a project is necessary.***
- If voted necessary, then the drain commissioner is responsible for assessing possible solutions.
- This hearing ***does not*** address scope or corresponding costs of any potential project.
- No project has been decided; ***no assessments known.***



KILGUS DRAIN

Drainage District
Boundary

52ND ST SE

SEGWUN AVE SE

60TH ST SE

WINGEIER AVE SE

64TH ST SE

ALDEN NASH AVE SE

KILGUS DRAIN

KILGUS DRAIN

PRATT LAKE AVE SE

68TH ST SE

MONTCALM AVE SE

33

34

35

36

4

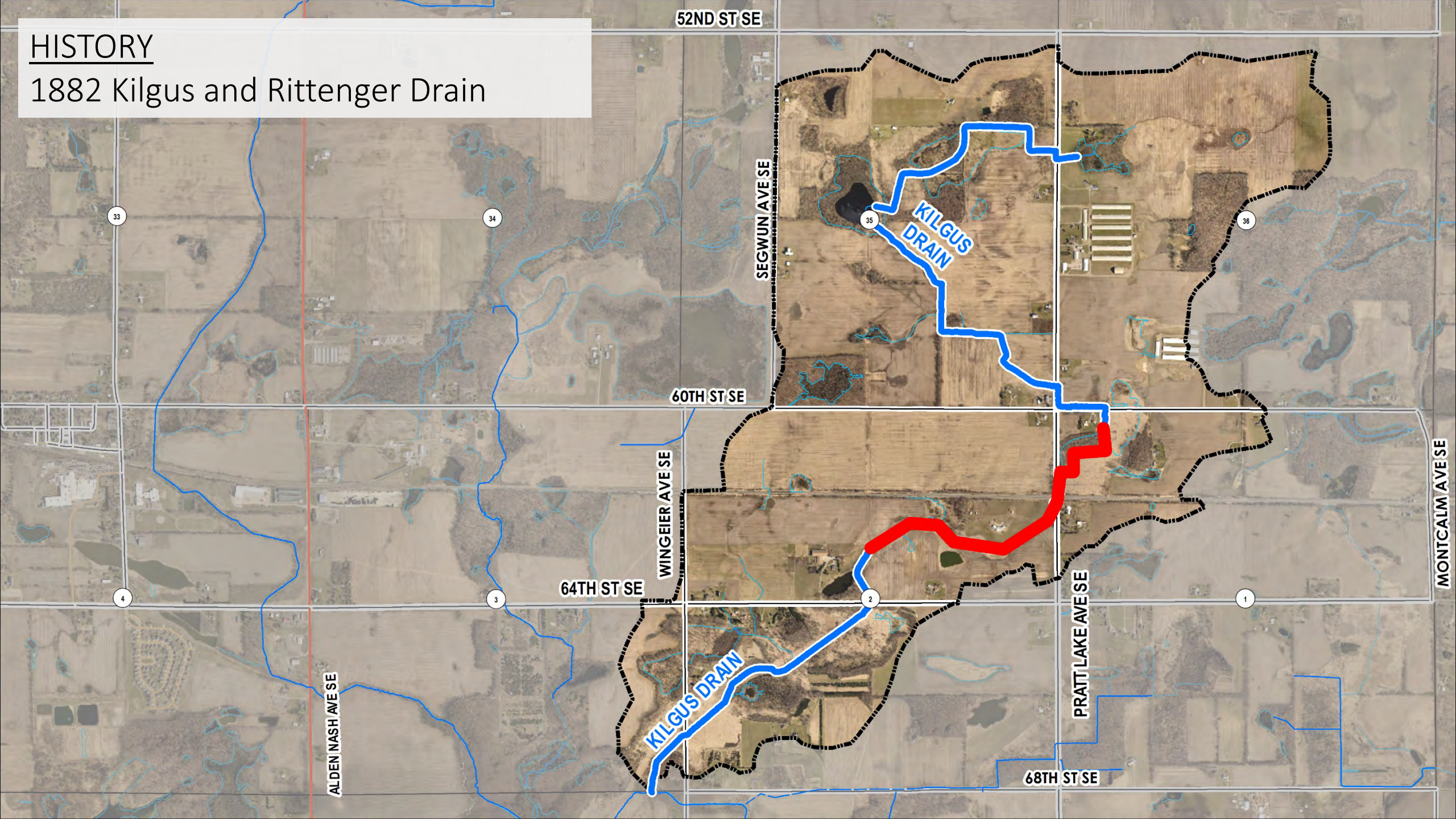
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HISTORY

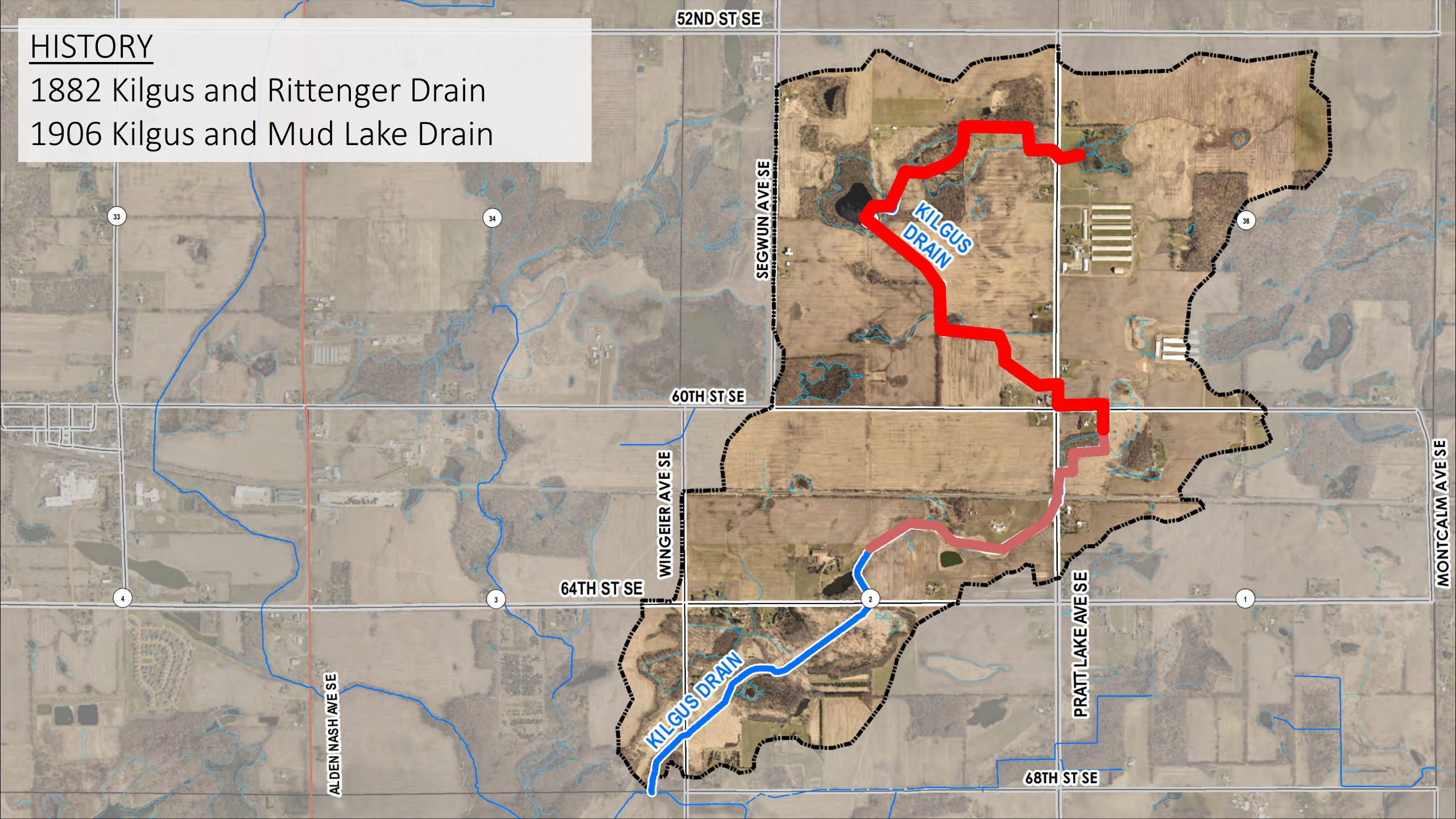
1882 Kilgus and Rittenger Drain



HISTORY

1882 Kilgus and Rittenger Drain

1906 Kilgus and Mud Lake Drain

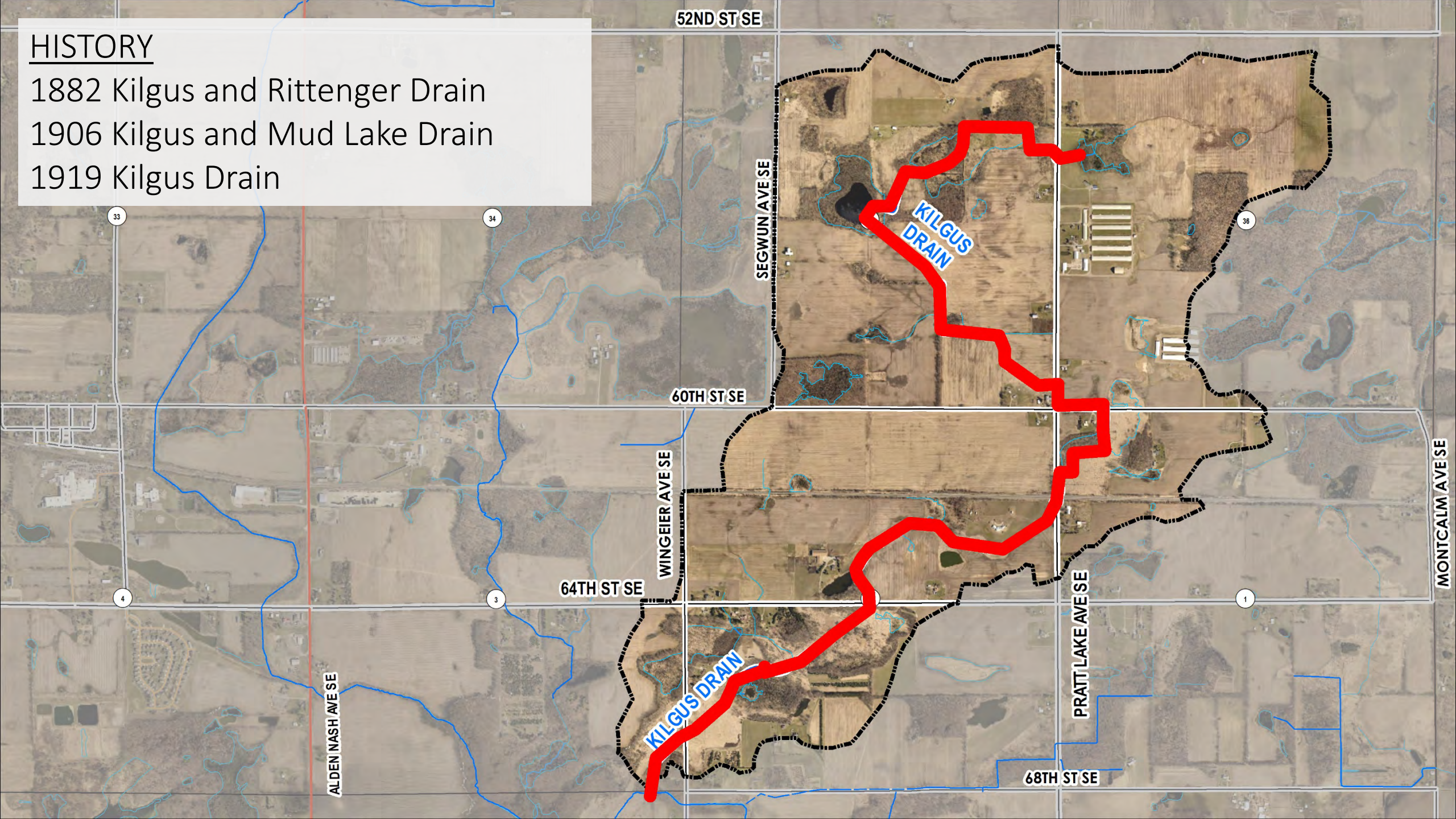


HISTORY

1882 Kilgus and Rittenger Drain

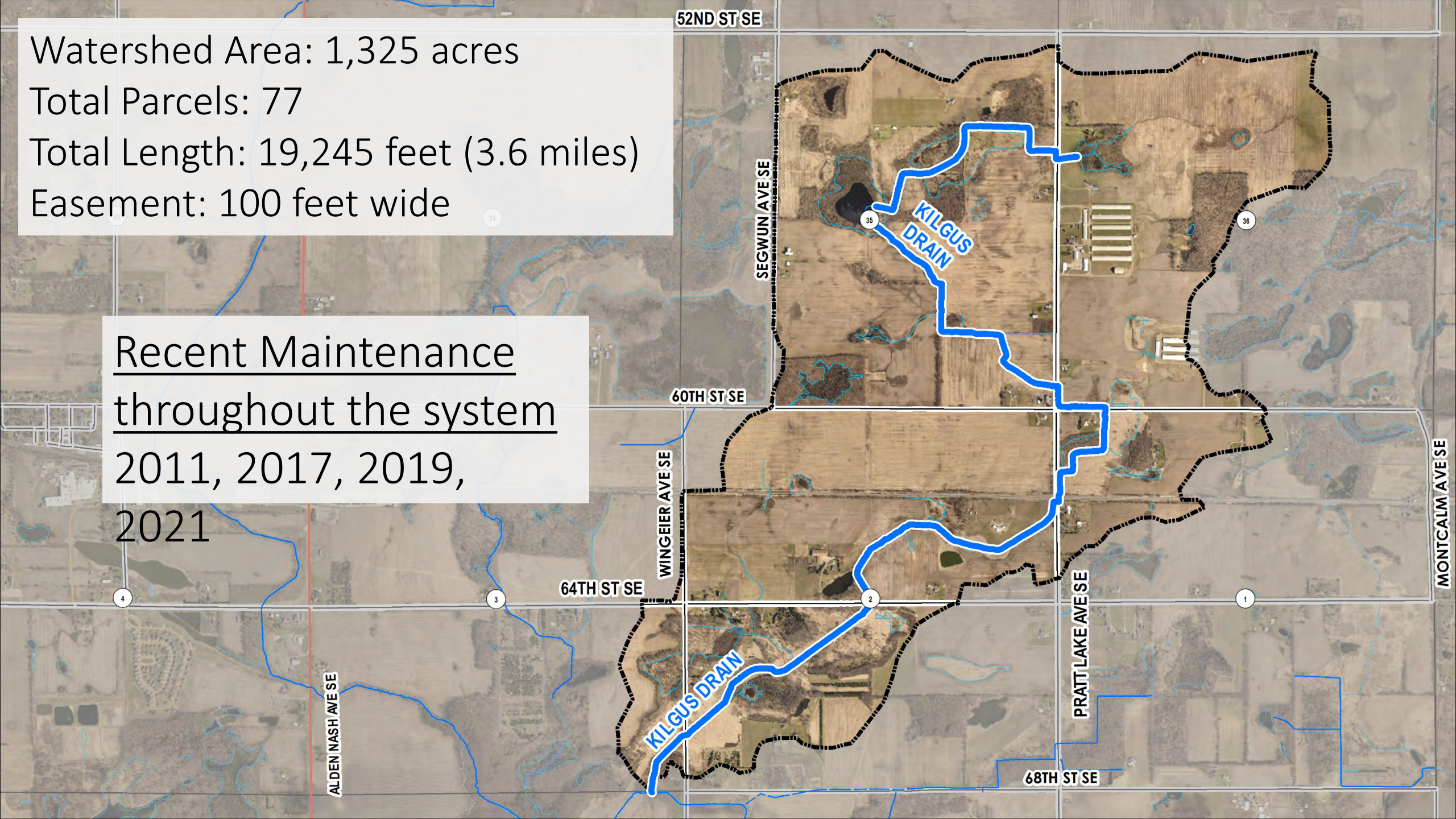
1906 Kilgus and Mud Lake Drain

1919 Kilgus Drain

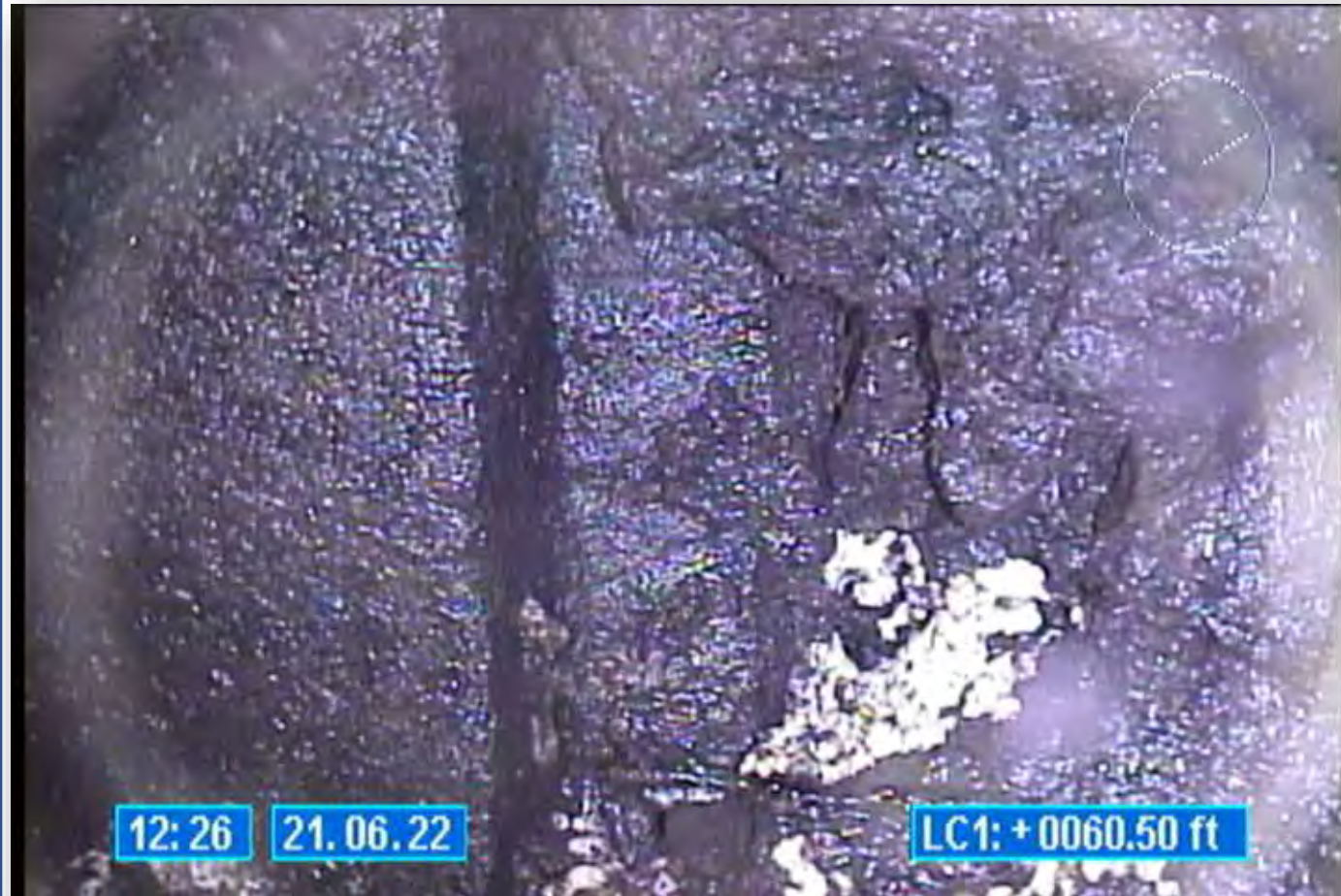


Watershed Area: 1,325 acres
Total Parcels: 77
Total Length: 19,245 feet (3.6 miles)
Easement: 100 feet wide

Recent Maintenance
throughout the system
2011, 2017, 2019,
2021



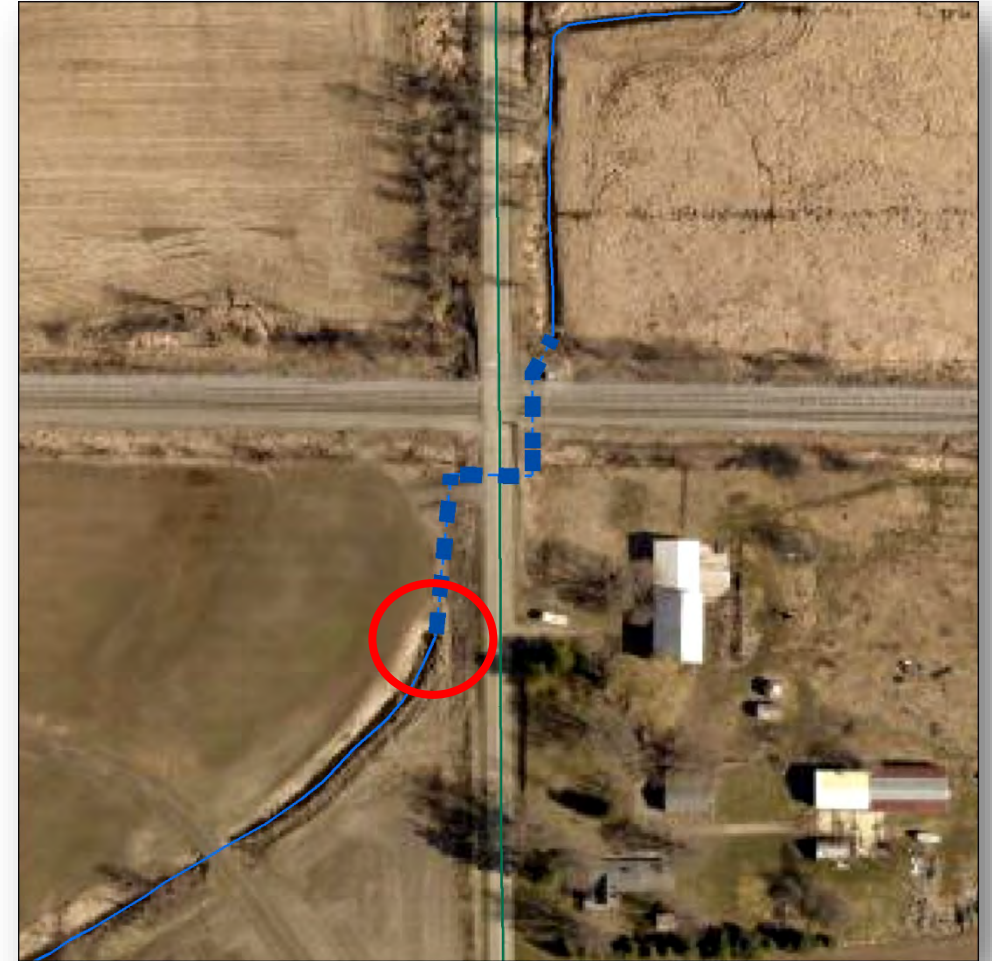
2022 Sinkhole Under Railroad



2022 High Water, Not Draining



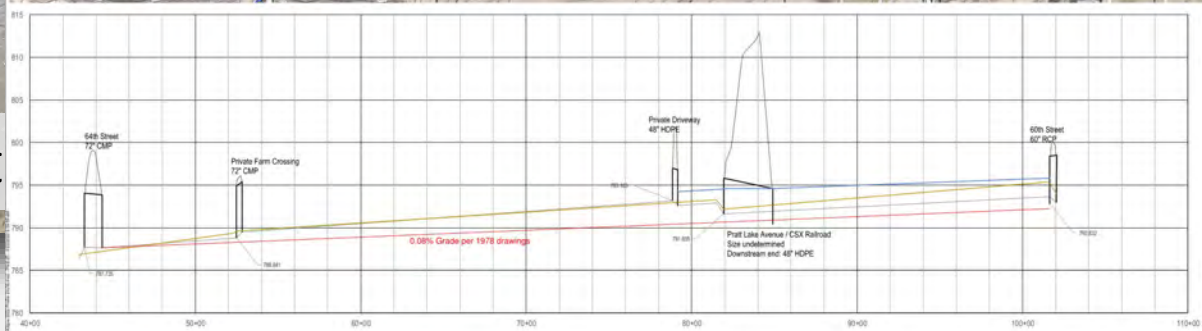
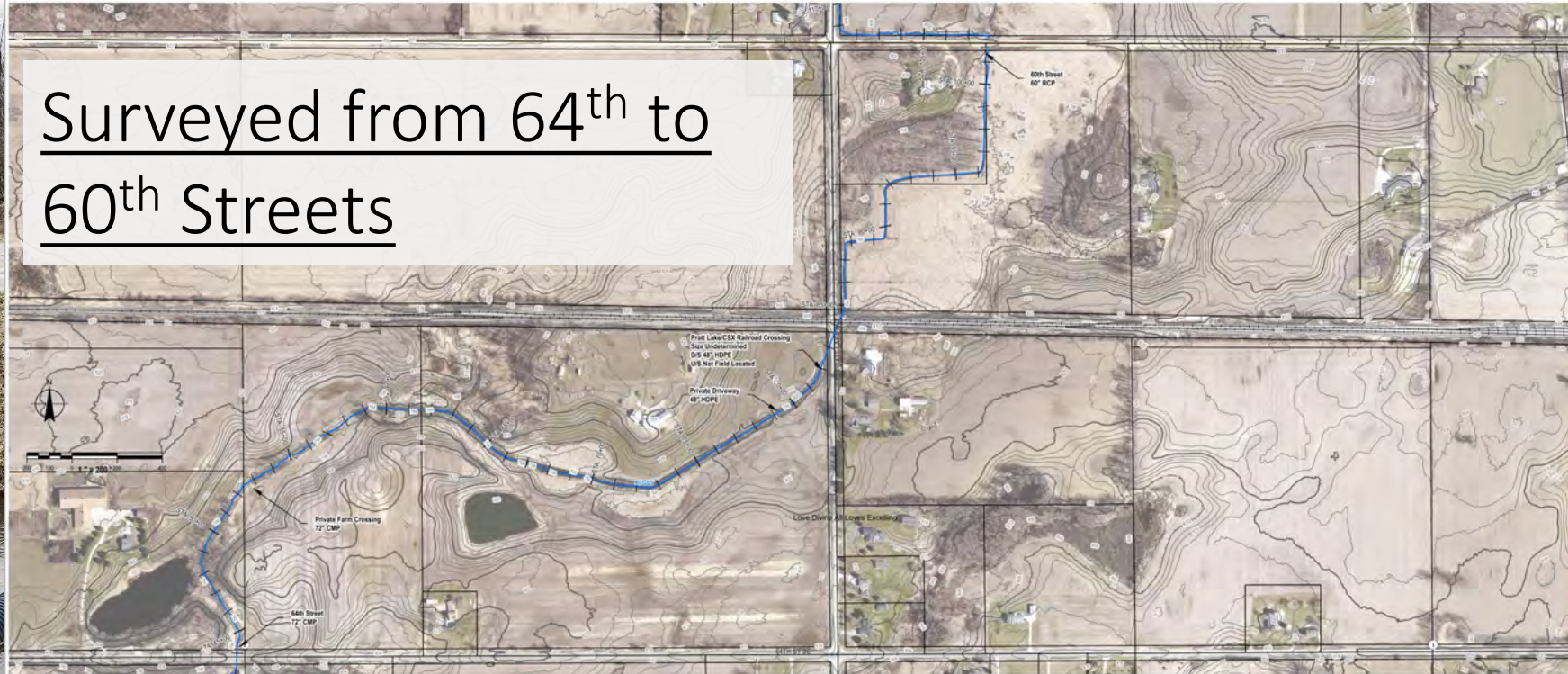
36" Diameter Pipe, half full of water



2022 High Water, Not Draining



Surveyed from 64th to 60th Streets



All Soil Elevation and Submergence Contour (SESC) features based on Authorized Public Agency Procedures Manual, 2018 (MNCDC) on file at the Drain Office.
Map Scale not to printing is 1:2400

LEGEND
 KDC Drawn
 --- Channel
 --- Open or Other Drain
 (S) SESC Features

PROJECT DATUM
 COORD. SYS. STATE PLANE
 HORIZ. INT. NAD 83 (2011)
 VERT. INT. NAVD 83
 UNITS: INTERNATIONAL FEET

REVISION
 Drawing Prepared
 DATE: Nov. 2022

OFFICE OF THE KENT COUNTY DRAIN COMMISSIONER
 KEN YONKER, DRAIN COMMISSIONER
 100 WOODMAN DR. GRAND RAPIDS MI 49508
 616.781.2000

BOVINE TOWNSHIP KENT COUNTY MI
KILGUS DRAIN
OPEN CHANNEL PROFILE

1 of 1

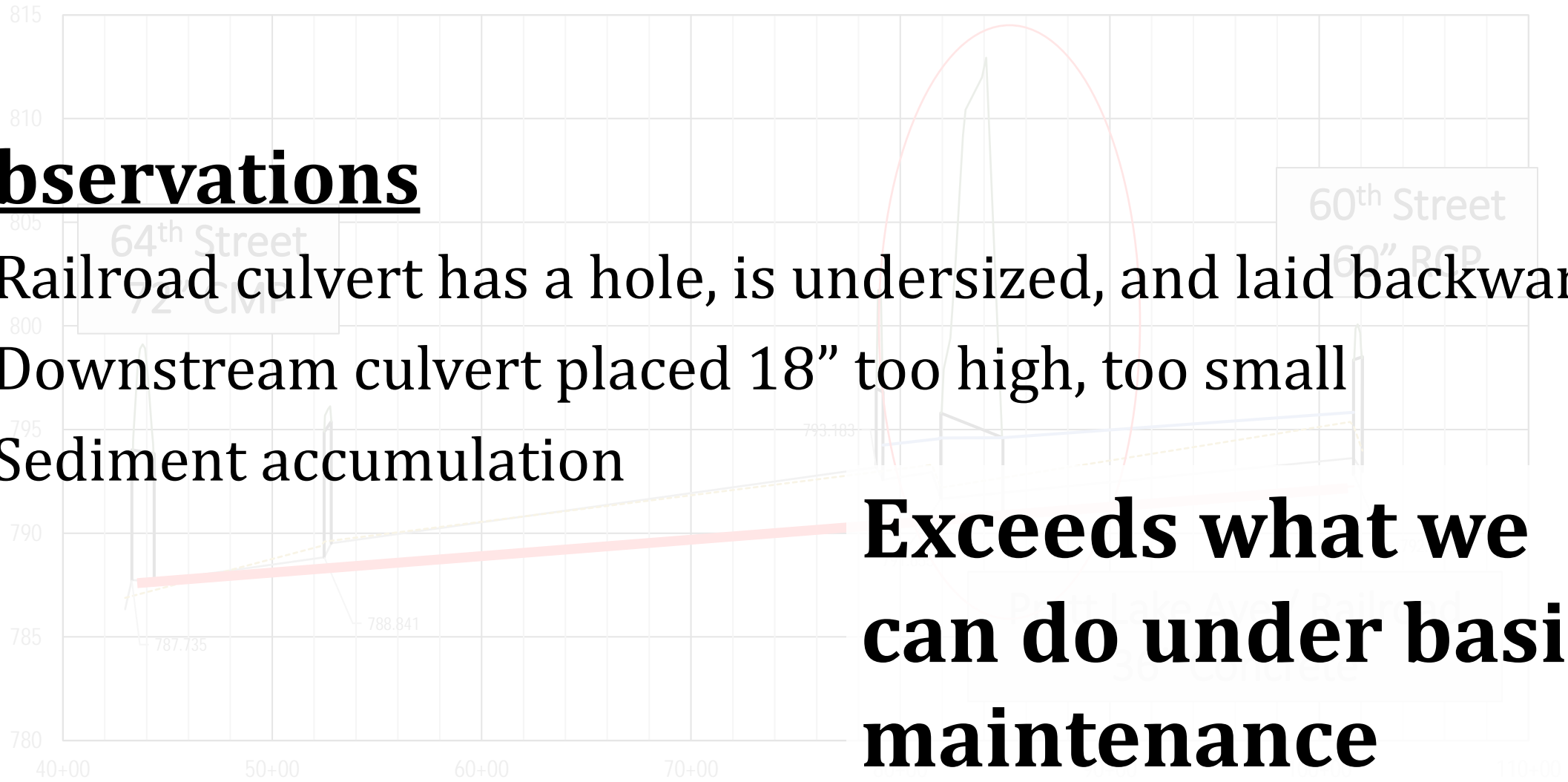


2022 High Water, Not Draining

Observations

- Railroad culvert has a hole, is undersized, and laid backwards
- Downstream culvert placed 18" too high, too small
- Sediment accumulation

**Exceeds what we
can do under basic
maintenance**



Next Steps

- Public Testimony
- Board to Determine Necessity of Petition
- If Petition Deemed “Not Necessary”
 - Process ends
- If Petition deemed “Necessary”
 - Evaluate scope of work needed
 - Obtain required permits and bid any maintenance
 - Day of Review of Apportionments



Reminder

Function of the Board of Determination is to decide whether a problem exists and whether a project is necessary.

If the Board finds the proposal necessary, then the drain commissioner determines possible solutions.

No engineering work has been completed and no projects are identified today

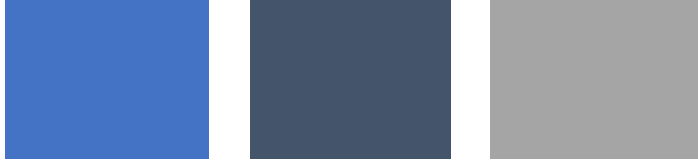
No costs or assessments have been determined

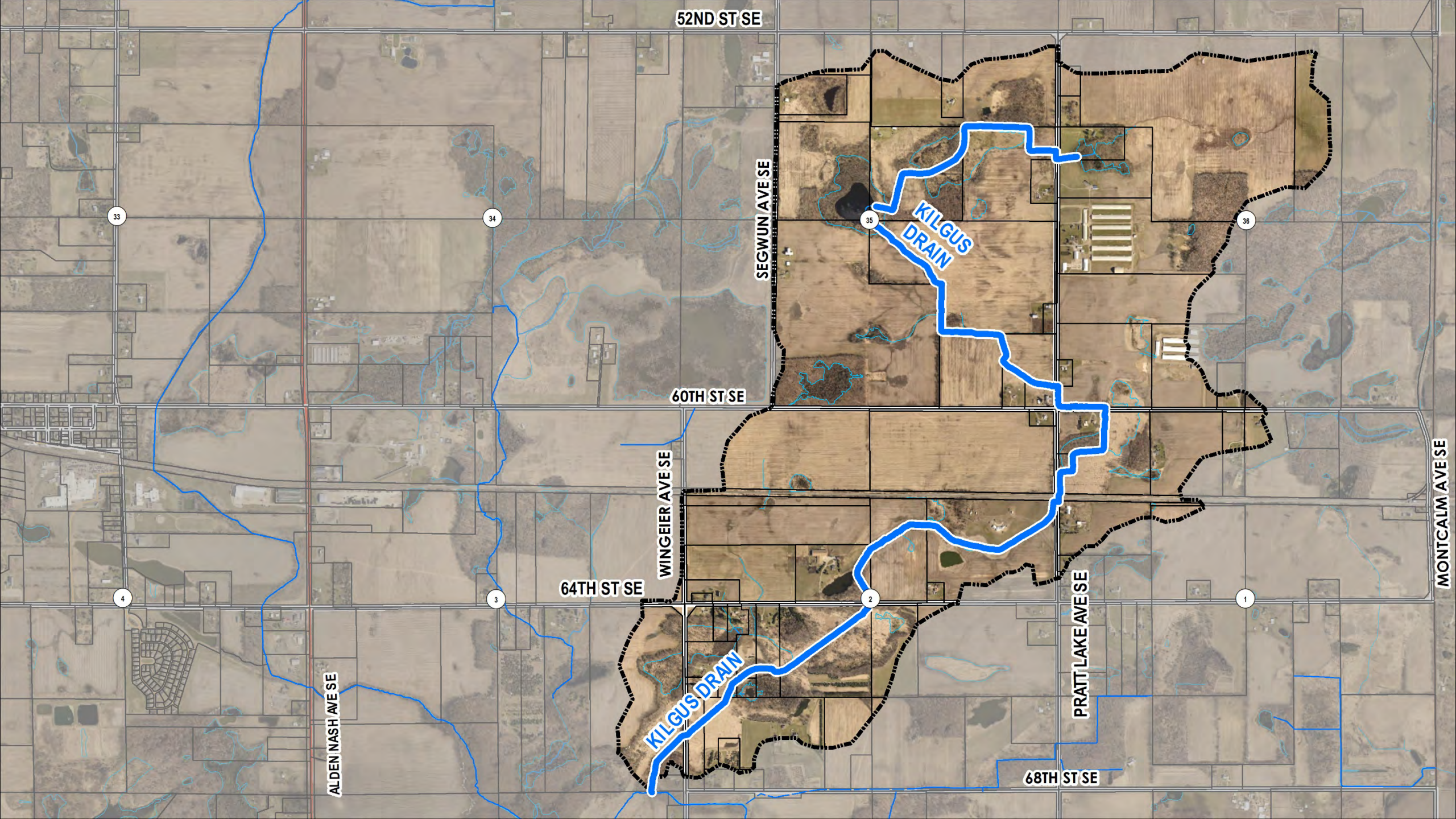


Public Comment

- Please state your name and address clearly
- Address comments to the Board
- Limit comments to 3 minutes







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