

County Ditch 41

Informational Meeting
February 6, 2024 – 6pm
Todd County Boardroom



Agenda

1. Opening of Public Hearing – Board Chairperson
 - a. Pledge of Allegiance
 - b. Introductions
2. Purpose of Informational Meeting – Kale Van Bruggen - Attorney
3. Notice Requirements – Nancy Uhlenkamp CDI
4. Basics of Ditch Law Statute (103E) – Kale Van Bruggen - Attorney
5. Ditch Discussion – Nancy Uhlenkamp CDI
 - a. History & Details of Ditch
 - b. Overview of Lake Shamineau Lake Improvement District (LSLID) Outlet Petition
 - c. Condition of Ditch
 - d. Types of maintenance projects
 - i. Full clean out
 - ii. Spot cleaning
 - e. Estimates
6. Public Comments and Questions
7. What's Next
8. Adjourn



- Purpose of Info Meeting
- Notice requirements
- Basics of Ditch Law
 - Statute 103E

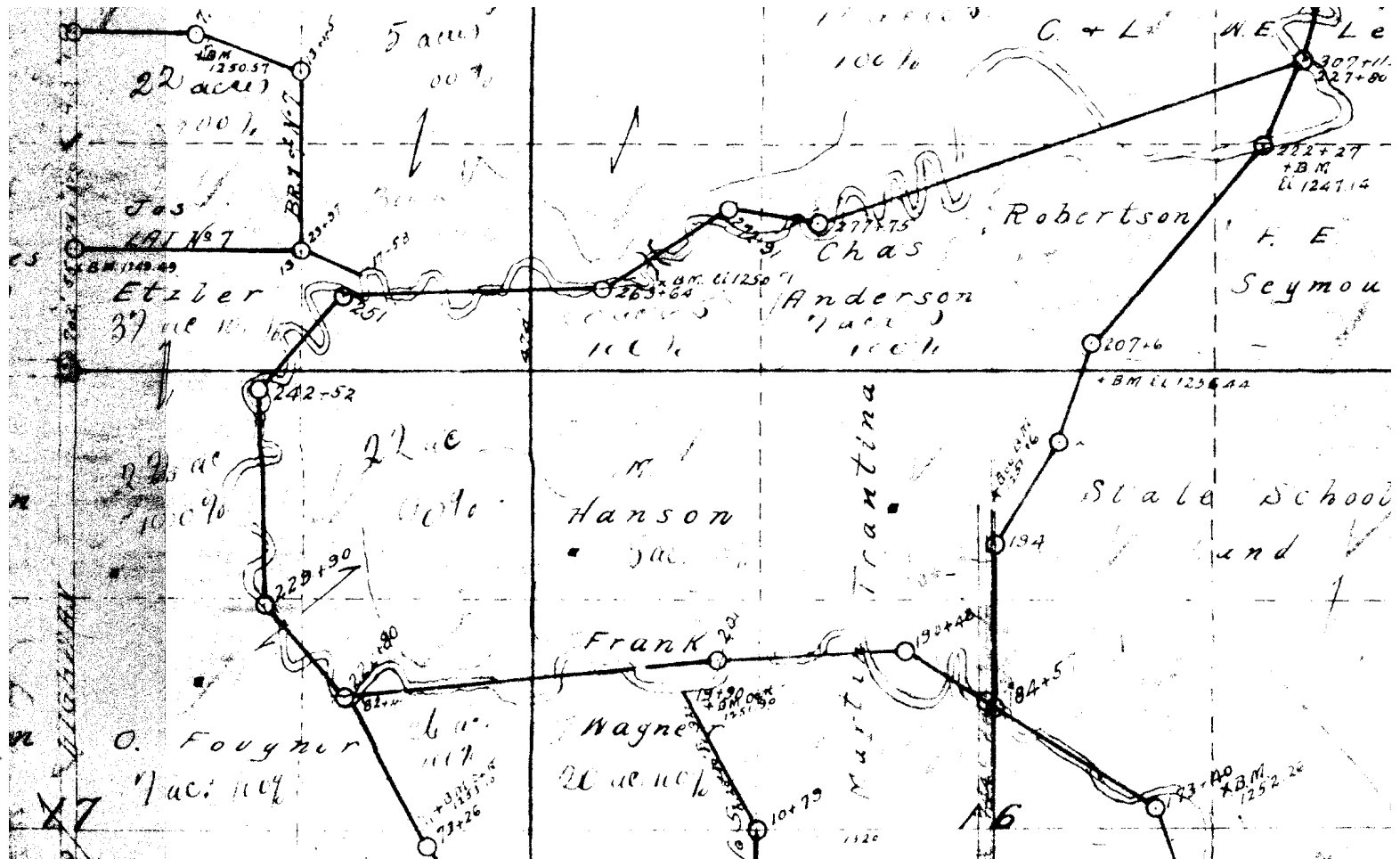


History & Details of Ditch

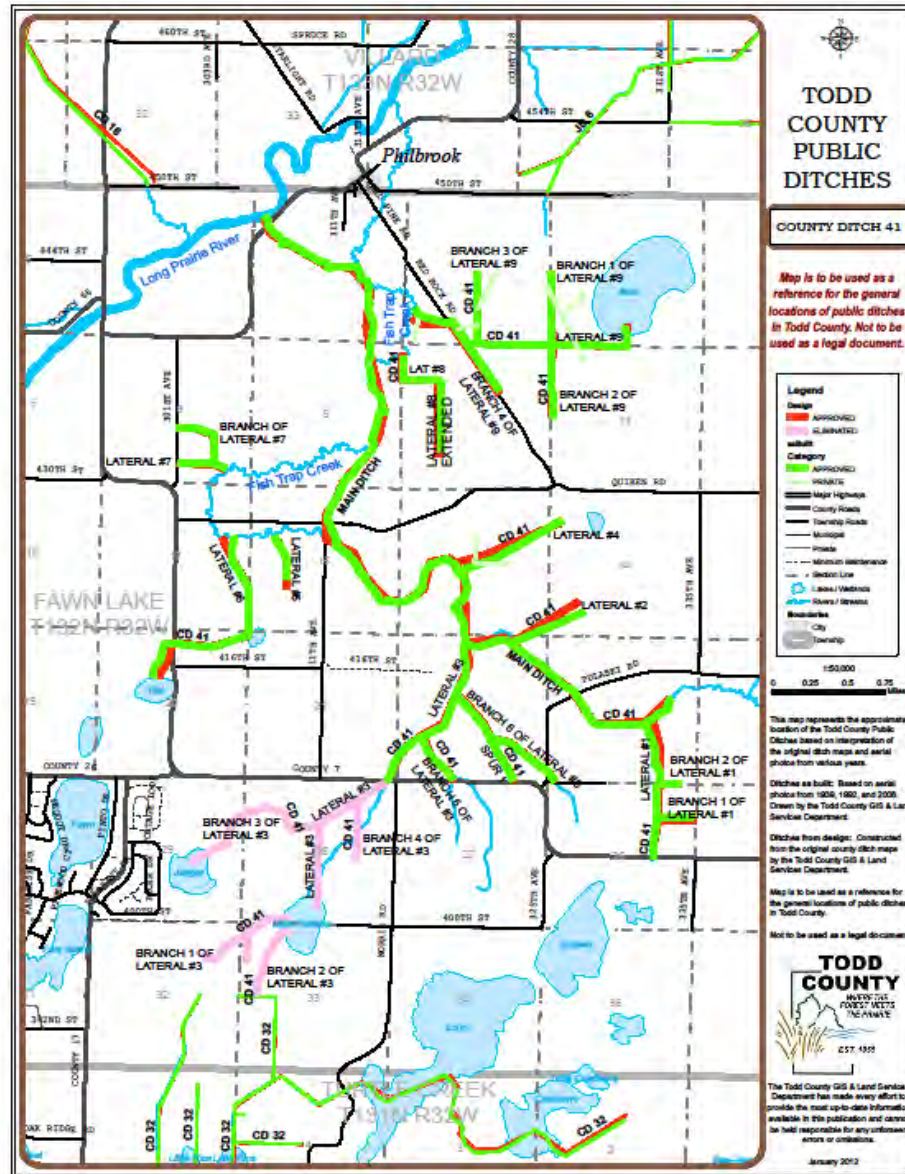
- Ditch was built in 1917
- Located in Fawn Lake Township, Sections 2, 3, 4, 8, 9, 10, 11, 14, 15, 16, 17, 20, 21, 22, 23, & 26
- Designed to be 23.74 miles long but the approved ditch is 19.18 miles long
 - 6.3 miles (33,031 feet) - Main Ditch
 - 12.88 miles (67,972 feet) – laterals & branches
- Original Ditch Cost - \$26,892.96
- Original Benefits - \$30,015.50



Laterals 5, 6 & 7 terminate in "old" Fish Trap Creek.



General Reference Map



- Ditch Design
- Main Ditch – approximate measurements
 - Start Pulaski Rd area, end County Road 28
 - Ditch bottom width varies from 10 ft to 18 ft
 - Ditch top width varies from 13 ft to 25 ft
 - Ditch depth varies from 4 ft to 7 ft
- Laterals and Branches – approximate measurements
 - Ditch bottom width varies from 3 ft to 4 ft
 - Ditch top width varies from 5.5 ft to 10 ft
 - Ditch depth varies from 2 ft to 5 ft

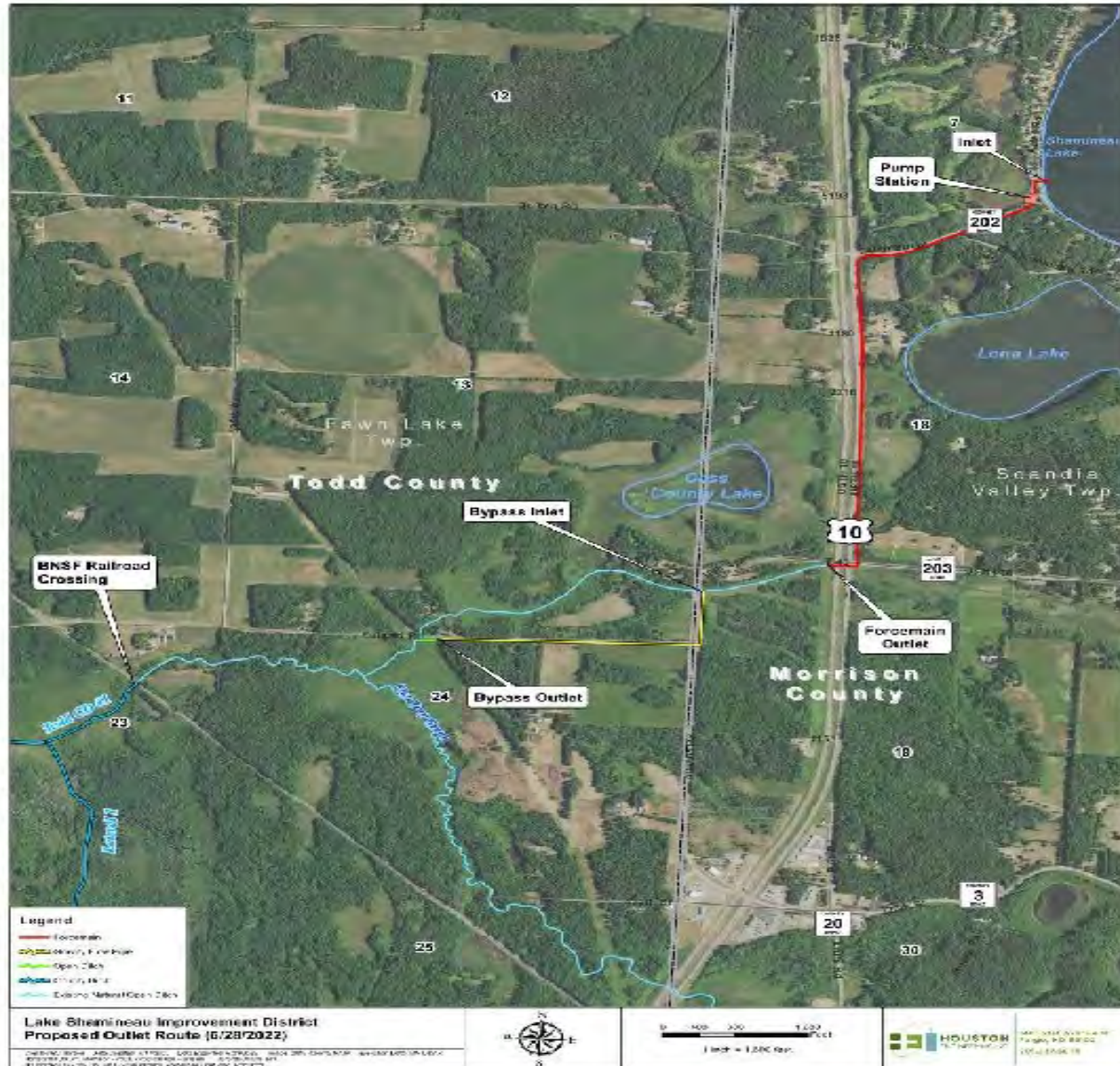


Overview of LSLID Outlet Petition

- March 2021 – LSLID submitted Outlet Petition
 - Use CD41 as outlet for their high-water project
 - Three Hearings held
 - October 2021 – Outlet approved
 - Outlet fee - \$30,000 per year for the first three years
 - May 2021 – Morrison County Board passed Resolution in support of LSLID High-water Project
 - Will contribute \$200,000.00 to maintenance of CD41 upon award of construction contract – done 10/5/2023
 - July 2024 – approximate completion of LSLID project



LSLID Outlet Route



Condition of Ditch

- Soil type
 - Majority of ditch - 541 Rifle muck
 - Approximately 1 mile of ditch south east of County Road 28 is 543 Markey muck
- Very remote areas – road access limited
- Limited amount of trees
- Main Ditch – is Fish Trap Creek – Public Waters
 - Much of the ditch line is open
 - Chronic beaver issues - old dam debris, beaver houses



- Laterals (Lateral 3 is also public waters)
 - Overgrown with vegetation
 - Lateral 7 no open channel
 - Many other laterals not much better
- Beaver trapping, dam removal, drone flights and County Ditch Inspector (CDI) fees have been the only expenses



Types of Maintenance Projects

- Full clean out
 - Main Ditch and Lateral 3 are Public Waters
 - DNR would likely require survey
 - Laterals – most are completely silted in
- Spot Cleaning
 - Main Ditch – old dam debris, vegetation
 - DNR may let us do this without need for a survey
 - Laterals – spot cleaning is not practical
- Most of main ditch and laterals will likely have spoils leveled with excavator.
 - I don't believe it will be possible to be done with a dozer in most areas



Estimates

- Midwest Amphibious Equipment – contractor in Grand Rapids
 - Amphibious excavators
 - GPS on machines, can give accurate as-built survey info if needed
 - Can work by the day or bid the job
 - Reluctant to give estimate without site visit
 - Will ask for a quote if project moves forward



- Other contractors
 - When decisions are made on type of project, I will get estimates
 - after ice out
 - Because of soil types and remote locations estimates will likely not be typical of past projects
- Could use more than one contractor
- Cost to clean full ditch would exceed amount of money in Maintenance fund after Morrison County and LSLID payments



- Public Comments and Questions
- What's Next
- Adjourn

