

# No. 9 Drain

## Board of Determination

Brady Township Hall

April 27, 2016

7:00 PM



**Brian J. Wendling**

**Saginaw County Public Works Commissioner**

# Meeting Agenda

- I. Introduction
- II. Opening of Board of Determination Meeting
- III. Outline of the Board of Determination Procedure
- IV. Inspection Report
- V. Public Testimony - (3 minutes per person.)
- VI. Vote of Board of Determination
- VII. Appeal Procedures and Closing Comments
- VIII. Adjournment

# Role of the B.O.D.

- The Board of Determination's role is to make two decisions:
  1. Whether the project is necessary
  2. Whether a portion of the cost is to be assessed at-large to the municipalities

# Role of B.O.D. (cont.)

- The Board of Determination DOES NOT decide:
  - ▣ The scope of the project
  - ▣ The cost of the project
  - ▣ How much property owners and municipalities are assessed for the project

Information on these topics will be made available at a later date. Please see a member of the Public Works Commissioner's staff after the meeting if you have questions.

# Public Comment

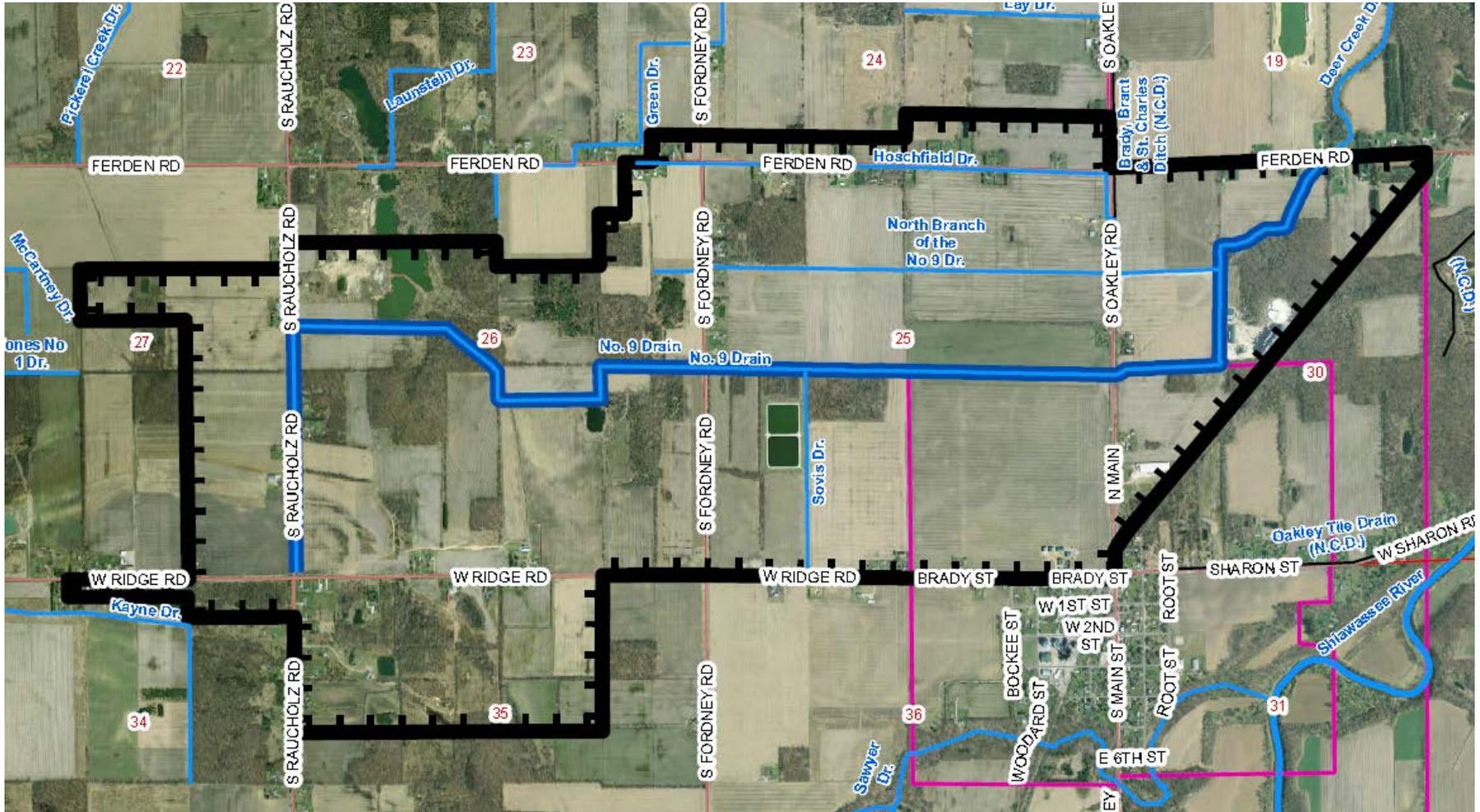
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- The speaking order will be on a first come, first serve basis. Petitioner will have a chance to speak first.
- State your full name and address. Spell your last name for the court reporter.
- Limit comments to 3 minutes.

# Public Comment (cont.)

- Briefly state your position on the petition for the No. 9 Drain. For example: “I support the petition for the No. 9 Drain because . . .” or “I oppose the petition for the No. 9 Drain because . . . .”
- Remember to stay on topic! Comments for tonight’s meeting are limited to the current petition for the No. 9 Drain only.
- The Public Works Commissioner’s staff will gladly speak with you on other topics after the conclusion of tonight’s meeting.

# Drainage District Map

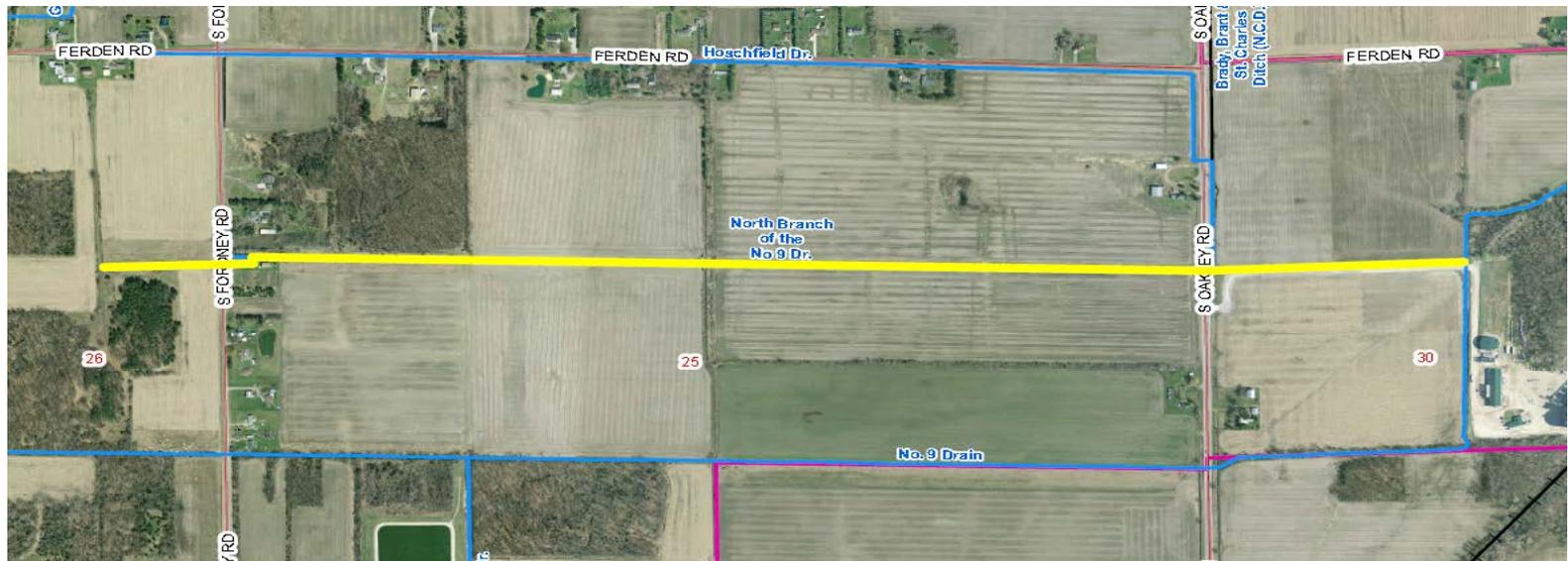


# Drain Facts

- Where is the No. 9 Drain?
  - ▣ See Map
  - ▣ Approximately 26,611 feet long (5.0 miles)
  - ▣ Watershed area: 1,828 acres
- What is the drainage district?
  - ▣ Lands that contributes storm water to the drain
  - ▣ Drainage District serves as the special assessment district
  - ▣ No. 9 Drain Drainage District includes:
    - Brady Township
    - Village of Oakley
    - Saginaw County
    - Michigan Department of Transportation (MDOT)
    - Great Lakes Central Railroad
    - Landowners – Approximately 123 parcels

# Drain Facts Continued

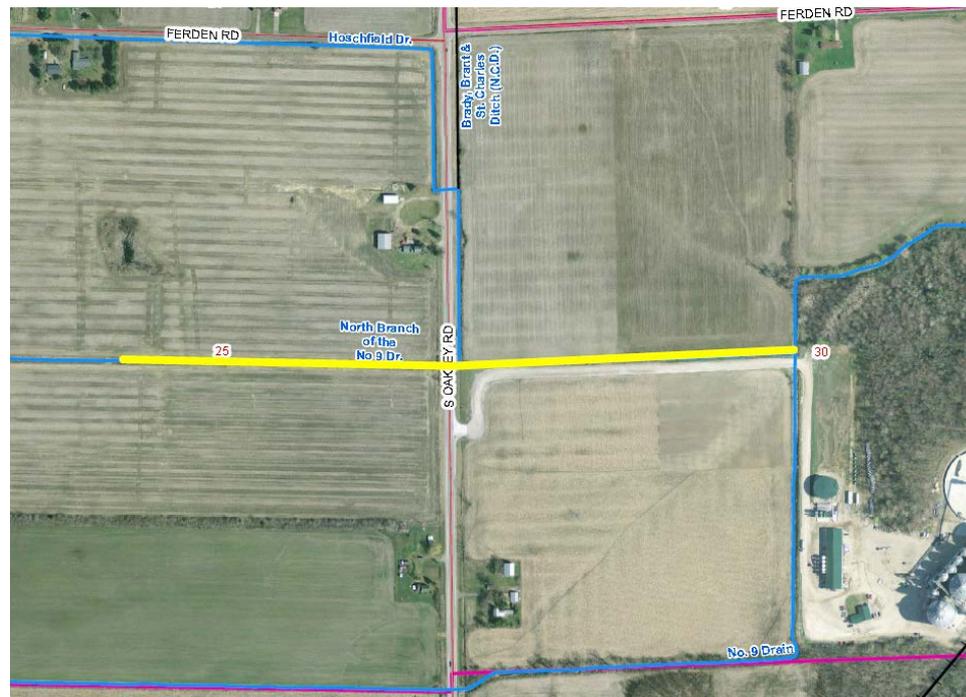
- No. 9 Drain was established as a county drain in 1905.
- The main drain was cleaned out via petition in 1915-1916 and 1943.
- The drain was extended and the new portion was cleaned out via petition in 1977, effectively creating the North Branch of the No. 9 Drain.



# Drain Facts Continued

June-July 2015 – Drain maintenance completed.

- Landowner Bill Spike cleaned out approx. 1/2 mile of the North Branch of the No. 9 Drain, from 1/4 mile east of Oakley Road to the outlet with the main drain



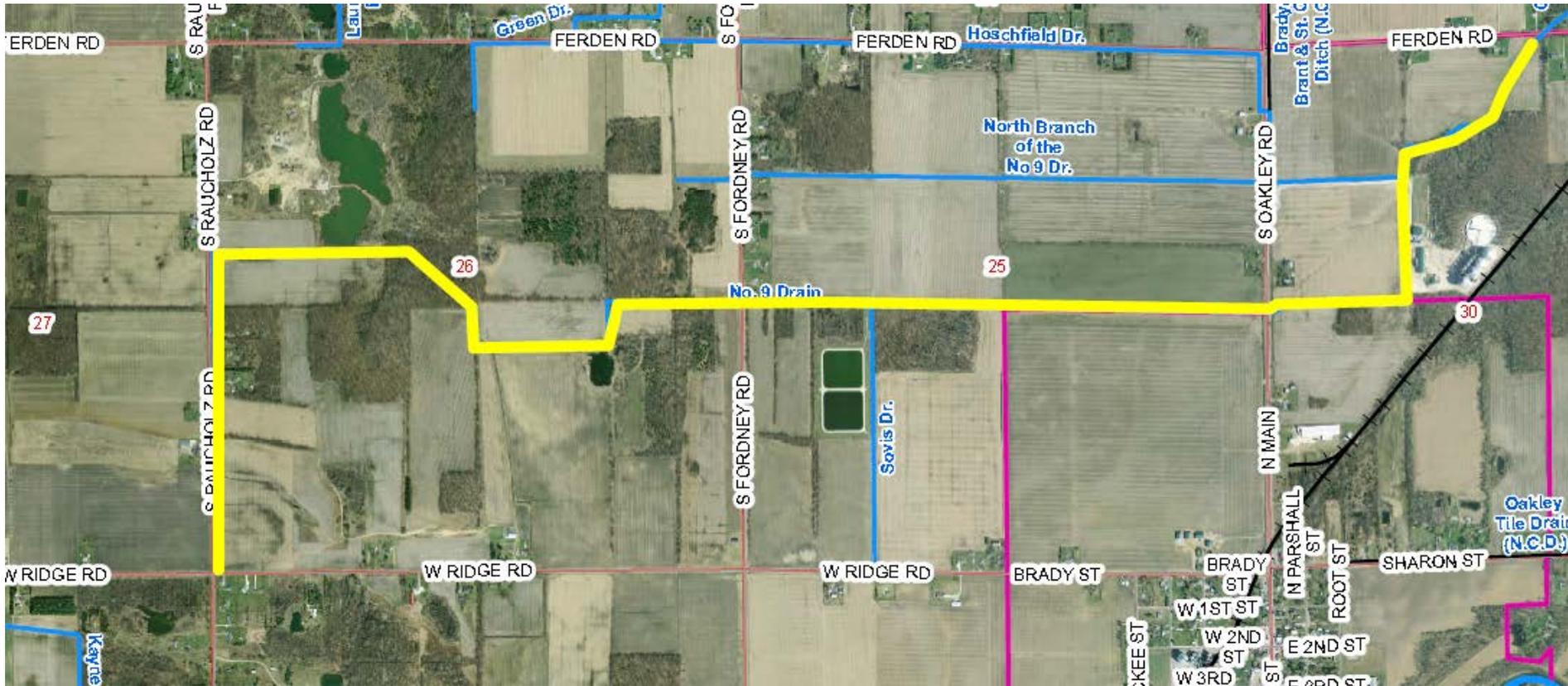
# Drain Facts Continued

- As previously mentioned, the last known cleanout of the main drain was completed in 1943. Therefore, it has been approximately 73 years since the main drain has been cleaned out.
- The current petition was filed on January 11, 2016. It was circulated by Byron Blakeslee and signed by 7 freeholders.

# Drain Inspection

- On April 25, 2016 an engineering field review of the Drain (inspection from the road crossings only, the entire drain was not walked) was completed as a result of the petition filed with the Public Works Commissioner. The following was observed:
  - The drain mainly flows through agricultural areas.
  - The majority of the drain was full of sediment, trees and brush. Generally, there was decent flow in the channel in the downstream area.
  - The upstream portion of the drain had evidence of cattails, sediment and stagnant water.

# No. 9 Drain (Main Drain)



# Looking Downstream (North) from Ferden Road Begin Deer Creek Drain

Trees & brush  
along drain

Scour hole



# Looking Upstream (South) from Ferden Road



Sediment, low flow channel

# Looking Downstream (East) from Oakley Road

Sediment,  
trees & brush



# Looking Upstream (West) from Oakley Road

Sediment,  
nice side  
slopes



# Upstream End (West Side) - Oakley Road Crossing



# Looking Downstream (East) from Fordney Road

Sediment,  
trees & brush

# Looking Upstream (West) from Fordney Road



Sediment,  
trees & brush

# Upstream End (West Side) Fordney Road



# Looking Downstream (East) from Raucholz Road



Downstream  
end of farm  
crossing

Sediment, trees &  
brush, stagnant  
water

# Looking Upstream (South) along Raucholz Road



Sediment,  
cattails,  
stagnant water

# Looking Downstream (North) along Raucholz Road

Sediment,  
cattails &  
stagnant  
water



# Looking Upstream (South) along Raucholz Road

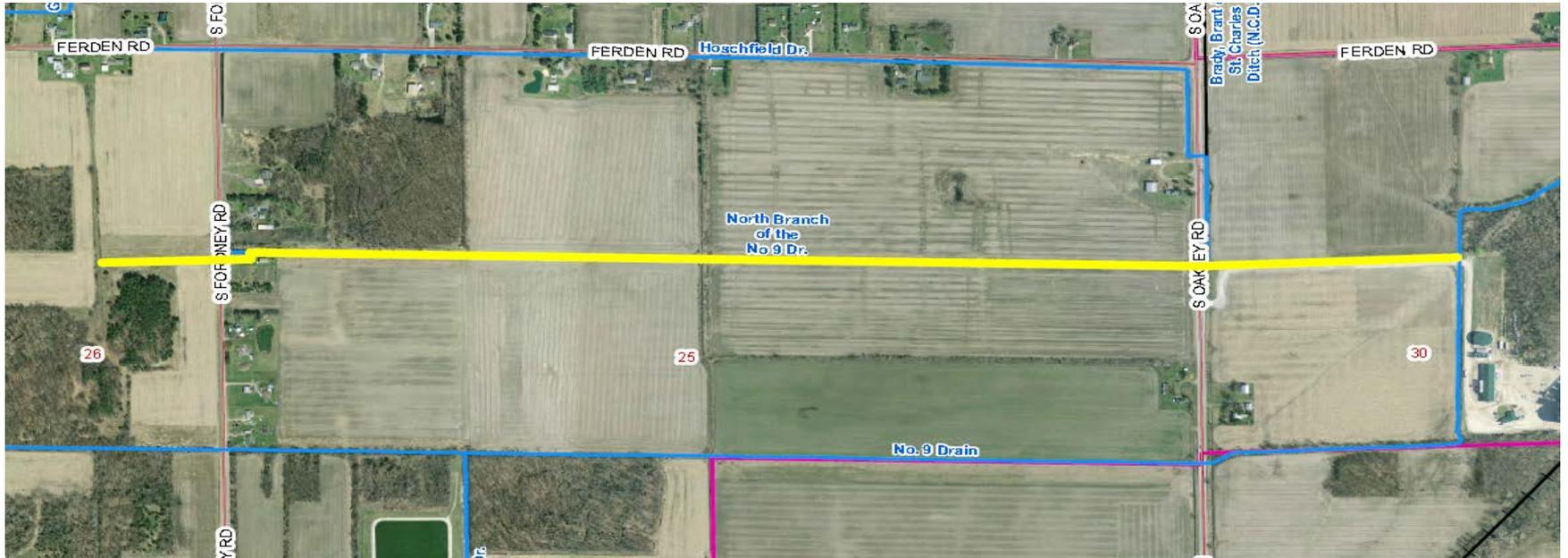


# Looking Downstream (North) along Raucholz Rd from Ridge Rd



Sediment,  
cattails,  
stagnant water

# North Branch of No. 9 Drain



# Looking Downstream (East) from Oakley Road



**Cleaned out  
Summer 2015**

# Looking Upstream (West) from Oakley Road



# Looking Downstream (East) from Fordney Road

Sediment, trees  
& brush,  
stagnant water



# Downstream End (East Side) Fordney Road



# Looking Upstream (South) Along Fordney Road



# Looking Upstream (West) From Fordney Road



# Drain Inspection Recap

- ❑ The majority of the drain was full of sediment, trees and brush. Generally, there was decent flow in the channel in the downstream area.
- ❑ The upstream portion of the drain had evidence of cattails, sediment and stagnant water.
- ❑ A few of the road crossings/culverts along the drain were in questionable condition (size and grade were not calculated).

# Summary of Drain Finances

- ❑ Drain Maintenance completed in August 2014 – brush spraying along North Branch of No. 9 Drain – spent approximately \$525.
- ❑ Drain Maintenance completed in September 2014 on a portion of the main drain – spent approximately \$150.
- ❑ Drain account currently has approximately \$0.

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# Drainage District Map

