

# King Street Tile Drain

INFORMATIONAL MEETING

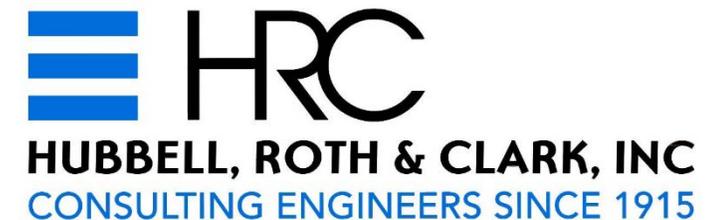
OCTOBER 19, 2016

6:30 PM

SAGINAW COUNTY PUBLIC WORKS COMMISSIONER

BRIAN J. WENDLING

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# Introductions

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Saginaw County Department of Public Works

Brian J. Wendling

Deputy Public Works Commissioner

Jennifer Whiting

HRC

James Burton, P.E., LEED AP BD+C, CFM

Vice President in charge of the Environmental  
Engineering Department

# Purpose of Meeting

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Discussed findings/results from the survey and design

Inform Landowners affected by the proposed work

Receive input and comments from landowners

# Drainage District

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## Drainage District

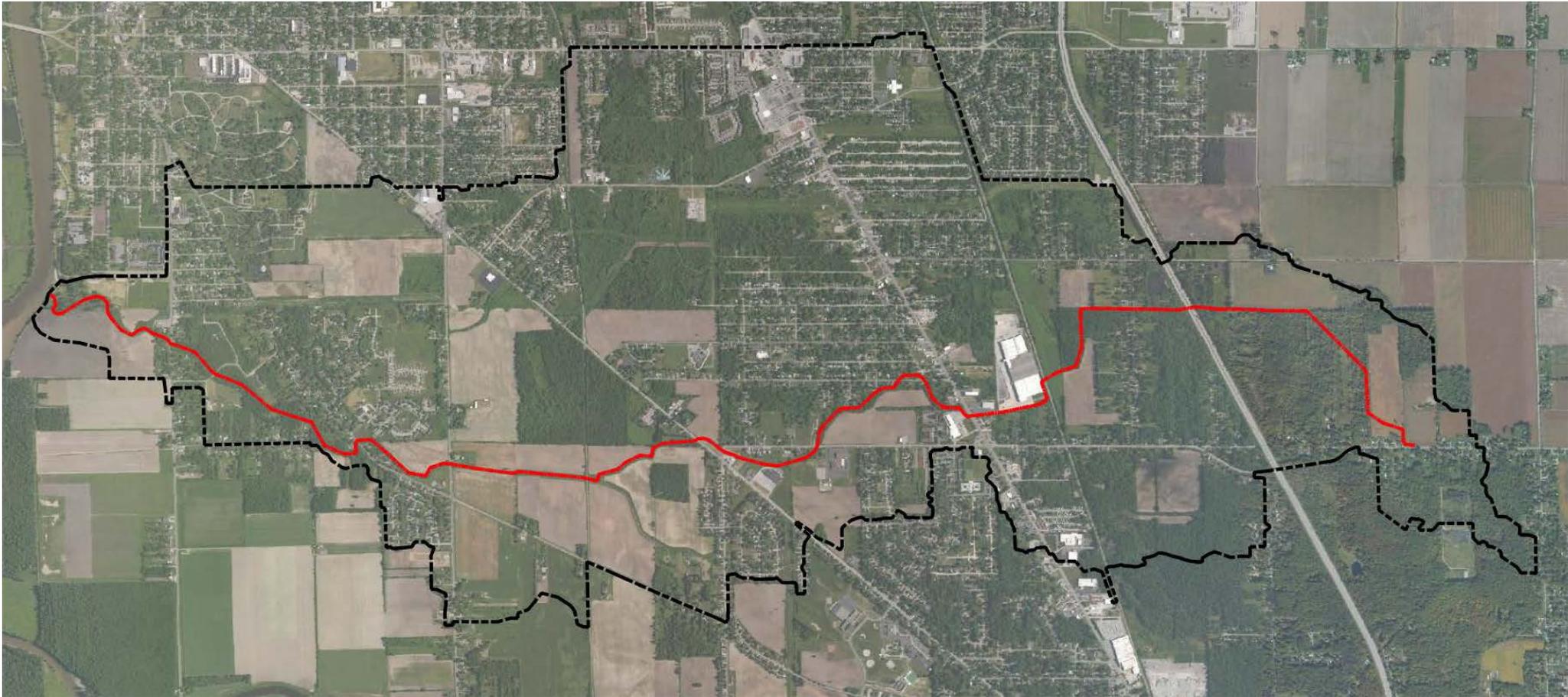
- Properties that shed rainfall into King Street Tile Drain

## District includes properties in

- Bridgeport Charter Township
- Buena Vista Charter Township
- Spaulding Township
- City of Saginaw

# Drainage District

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# Project Background

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## Located in

- Bridgeport Charter Township
- Buena Vista Charter Township
- Spaulding Township
- City of Saginaw

## Approximately 6.5 miles long

## Drain crosses

- County Roads
- State Roads
- Railroads

# Project Background (cont)

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King Street Tile Drain was established in 1882

Drain was cleaned out in 1888, 1905, 1927, 1946, and 1956

Drain was extended and cleaned in 1965

Maintenance/improvement petition filed on June 18, 1984

- No work was performed because the project was deemed “not necessary”

Current petition was filed on December 14, 2015

- It was circulated by Arthur Hoff and signed by 6 freeholders
- Board of Determination meeting held on April 19, 2016
  - It was voted necessary to proceed with maintenance on the drain

# Survey

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## Work performed

- Located all culvert & bridge crossings and noted the following:
  - Length and Size
  - Material
  - Invert Elevations
  - Condition
- Collected drain cross sections
  - At Bends
  - Every 500 – 700 ft
- Obtained surface water elevations

# Observations

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Excessive Vegetation

Sedimentation

Blockages

- Fallen Trees
- Log Jams

Culvert Issues

- Too small
- Not at correct grade

# Excessive Vegetation

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# Sedimentation

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# Fallen Trees

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# Log Jams

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# Culvert Issues

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# Recommendations

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Installing maintenance access

Removal of trees inside the drain, from top of bank to top of bank

Removal of excessive vegetation

Removal of sedimentation

Removal of log jams/blockages

Fix culvert issues (replace/remove culverts)

Reshape side slopes as needed to repair bank erosion

# Recommendations

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## Replaced Culvert

- Banner Rd
- Mark W Boese
- Dennis D Feinauer Trust
- Saginaw Bay Southern RailRoad
- JA & AM Carranza
- Michael J & Pamela J Gibson
- Carl P & Mary L Demaet

## Removed Culvert

- C&C Barsenas

# Maintenance Access

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# Reshape Side Slopes

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# Removal of Excessive Vegetation & Trees

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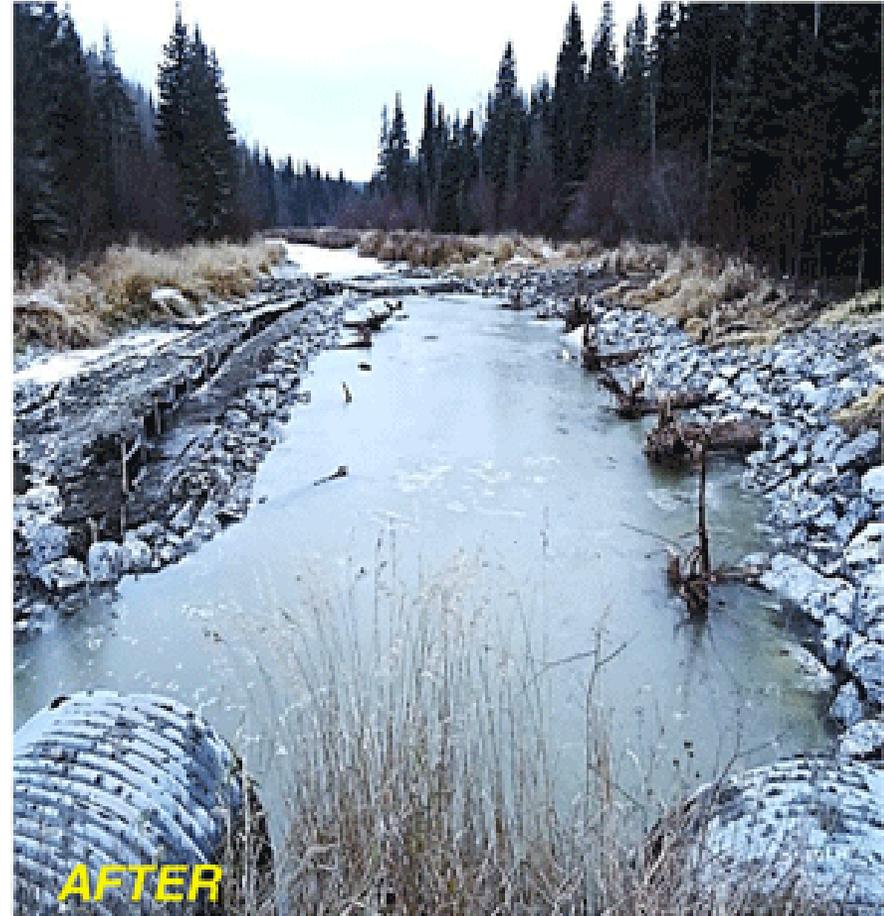


# Removal of Blockages

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# Removal of Sediment



# Fix Culvert Issues

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# Preliminary Cost

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Total Estimated Cost

- \$784,000

Final cost will be determined by contractor's bid

# Preliminary Schedule

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## Final Review with Saginaw County

- October 25, 2016

## Notice of Letting

- November 1, 2016

## Pre Bid Meeting with Contractors

- November 10, 2016

## Bid Opening

- November 29, 2016

## Bid Award

- January 1, 2017

## Beginning of Construction

- Early 2017

# General Questions?

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Note: Questions from people owning property along the King Street Drain will be answered after this presentation at the tables using the construction plans (to look at exactly what work will be completed on your property).