

Seidel Drain

Board of Determination

Saginaw Charter Township, Fire Hall 1

May 21st, 2015

7:00 PM



Brian J. Wendling

Saginaw County Public Works Commissioner

Meeting Agenda

- I. Introduction
- II. Outline of the Board of Determination Procedure
- III. Opening of Board of Determination Meeting
- 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.

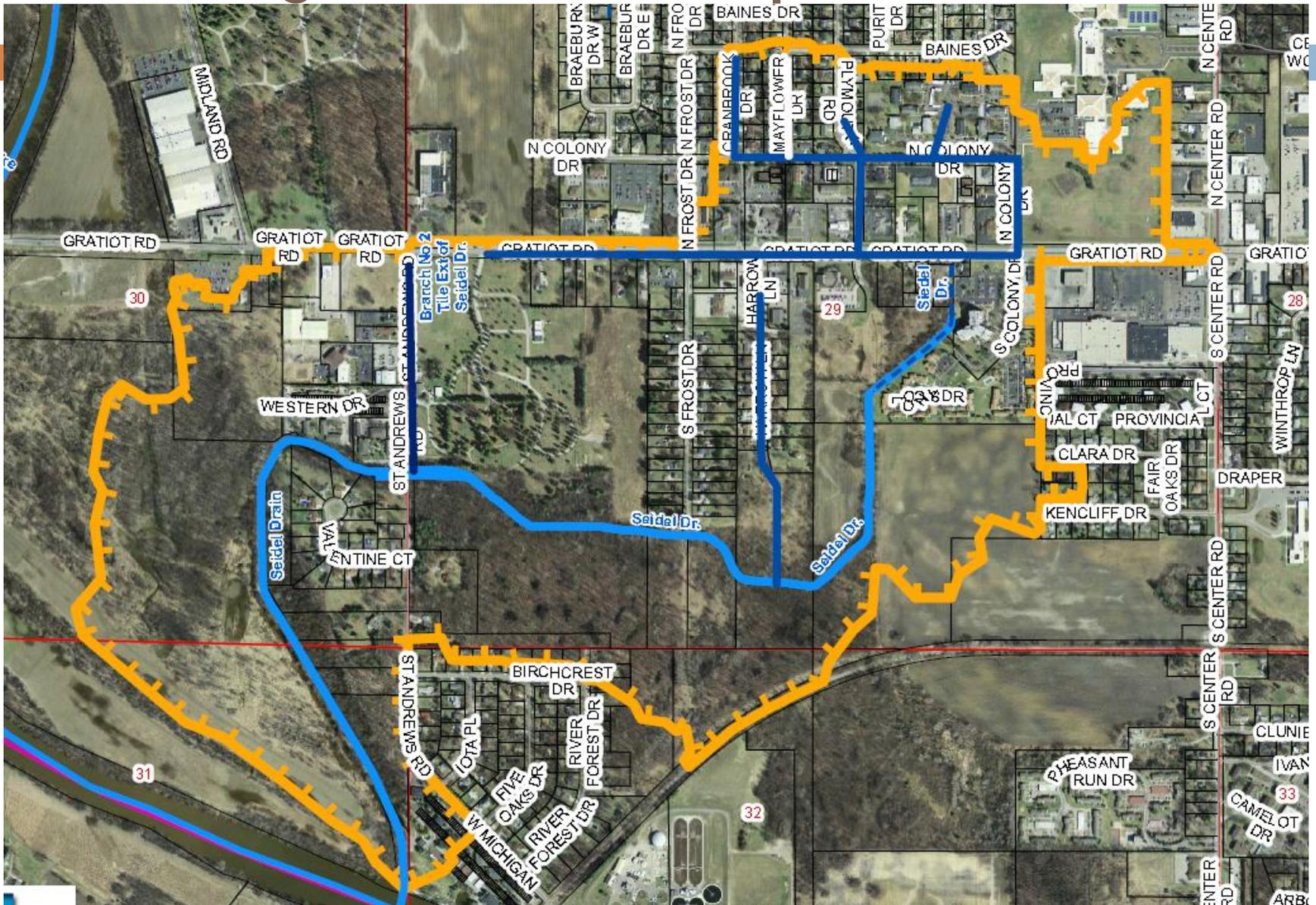
Public Comment

- *Please fill out a comment card.*
- The speaking order will be on a first come, first served basis.
- 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 Seidel Drain. For example: “I support the petition for the Seidel Drain because . . .” or “I oppose the petition for the Seidel Drain because”
- Remember to stay on topic! Comments for tonight’s meeting are limited to the current petition for the Seidel 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 Seidel Drain?
 - ▣ See Map
 - ▣ Approximately 9,650 feet long (1.8 miles)
 - ▣ Watershed area: 478 acres
- What is the drainage district?
 - ▣ Lands that contributes storm water to drain
 - ▣ Drainage District serves as the special assessment district
 - ▣ Seidel Drain Drainage District includes:
 - Saginaw Charter Township
 - MDOT
 - Mid-Michigan Railroad
 - Saginaw County
 - Landowners – Approximately 367 parcels

Drain Facts continued

- The Seidel Drain was established in 1945.
- Last petitioned cleanout of open drain was in 1965.
- Petitions for extending drain and adding branches in 1967- 1971 (Adding tile drains)
- Various drain maintenance was completed in 1992 - 2014, to clean and repair portions of storm sewer (especially to jet sediment and remove tree roots).
- Significant work to hydro-excavate and repair failed joint in storm sewer along Gratiot road in 2013.

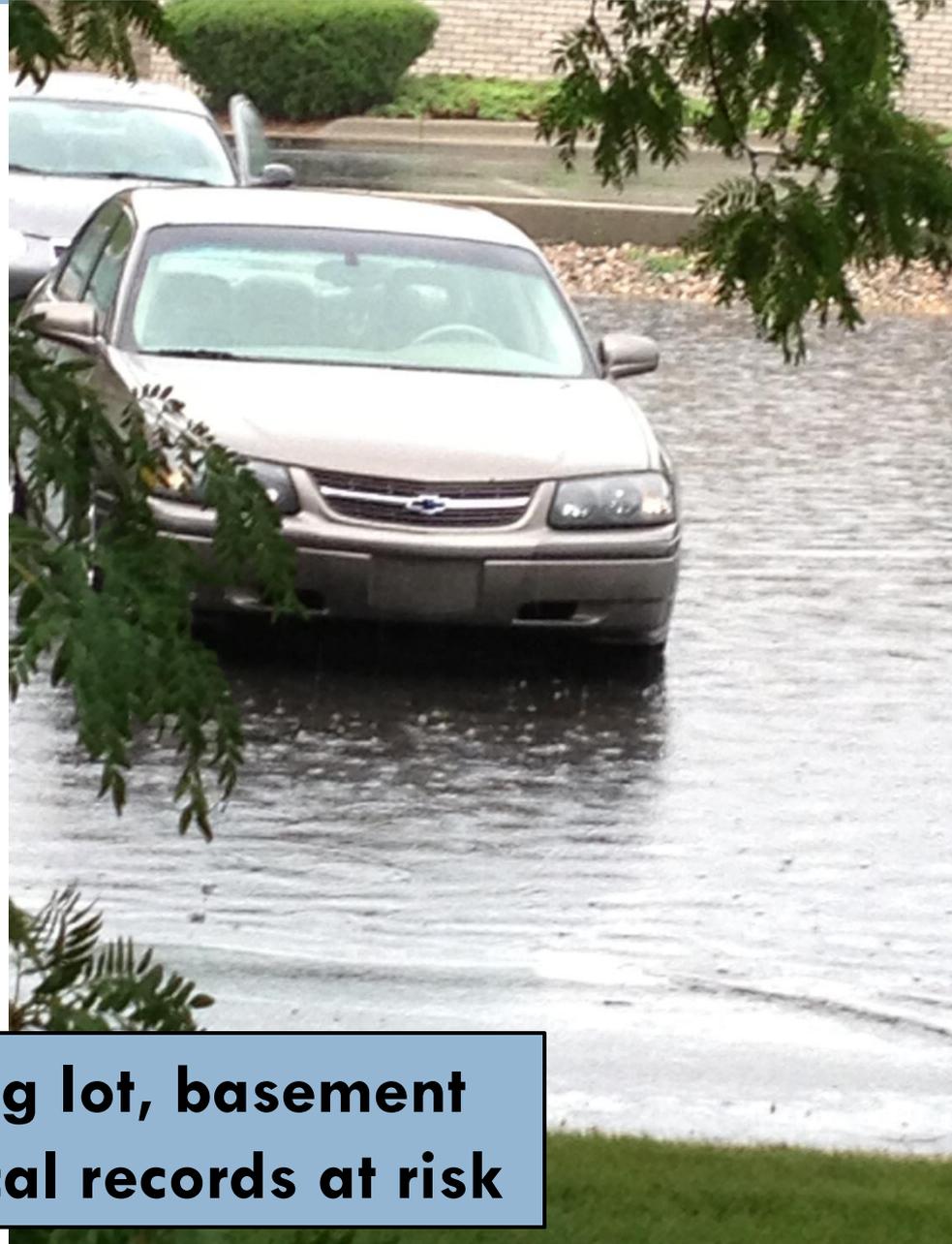
Drain Facts continued

- ❑ Significant work to root cut and clear pipes, completed on tile drain along Harrow Lane in 2014.
- ❑ Various telephone complaints of flooding received in 2014 from residents north of Gratiot Road, where drain is storm sewer pipe.
- ❑ Current petition filed on August 25, 2014. Petition circulated by Jennifer Schau, DDS and signed by 35 Freeholders.

Drain Inspection

- On October 10, 2014 an engineering field review of the drain was completed as a result of the petition filed with the Public Works Commissioner. The following was observed:
 - The upstream portion of the drain is storm sewer pipe in commercial/residential area. There have been problems with roots clogging portions of the storm sewer and failing joints in the past.
 - The open drain flows through agricultural, then mostly forested areas.
 - Portions of the open drain are obstructed by sediment and trees.
 - Many reaches of the open drain have stagnant water possibly due to downstream sediment, deadfall/trees, or by undersized drain crossings.

5545 Colony



**Flooded parking lot, basement
damages, medical records at risk**

5545 Colony

**Water to top of curb
and car openings**



Foot Crossing near Colony Apartments

Stagnant water
and sediment



Looking Downstream (South) from Foot Crossing



2nd Foot Crossing for Colony Apartments

Stagnant water
and sediment

Looking Downstream (South) at Farm Crossing

Pipe backing up
trees/leaves/debris



Looking Upstream (East) from Frost Road

Sediment
and trees



Looking Downstream (West) from Frost Road

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Frost Road Crossing

Stagnant water
and sediment



Looking Upstream (East) from St. Andrews Road

Stagnant water,
sediment, and trees



Looking Downstream (West) from St. Andrews Road

Low flow
channel, trees



Downstream end – St. Andrews Road Crossing

Last section of
pipe broken
off/separated



Looking Downstream

Stagnant
water, low flow
channel



Drain Inspection Recap

- ❑ Maintenance has been completed on many portions of the storm sewer, especially cutting out roots and fixing failed joints.
- ❑ Portions of the open drain are obstructed by sediment and trees/brush.
- ❑ Many reaches of the open drain have stagnant water.
- ❑ Some of the drive culverts appear to be of questionable size/grade as indicated by the back up of water. The condition of a few culverts was undetermined because there was too much water in the culverts.
- ❑ Minimal bank erosion was observed.

Summary of Drain Finances

- ❑ Approximately \$1,750 was spent in 2013 for maintenance of tile drain along Gratiot Road to repair a failed joint.
- ❑ Approximately \$4,150 was spent in 2014 for maintenance of the tile drain along Harrow Lane (cut out roots in tile to relieve flooding).
- ❑ Drain account currently has approximately -\$2,800.

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- VII. Vote to Add Lands to Drainage District
- VIII. Appeal Procedures and Closing Comments
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