

North Point Drain Board of Determination June 17, 2020

Muskegon County Drain Commissioner

Brenda M. Moore – Drain Commissioner

Stephanie J. Barrett – Deputy Drain Commissioner



Presentation Overview

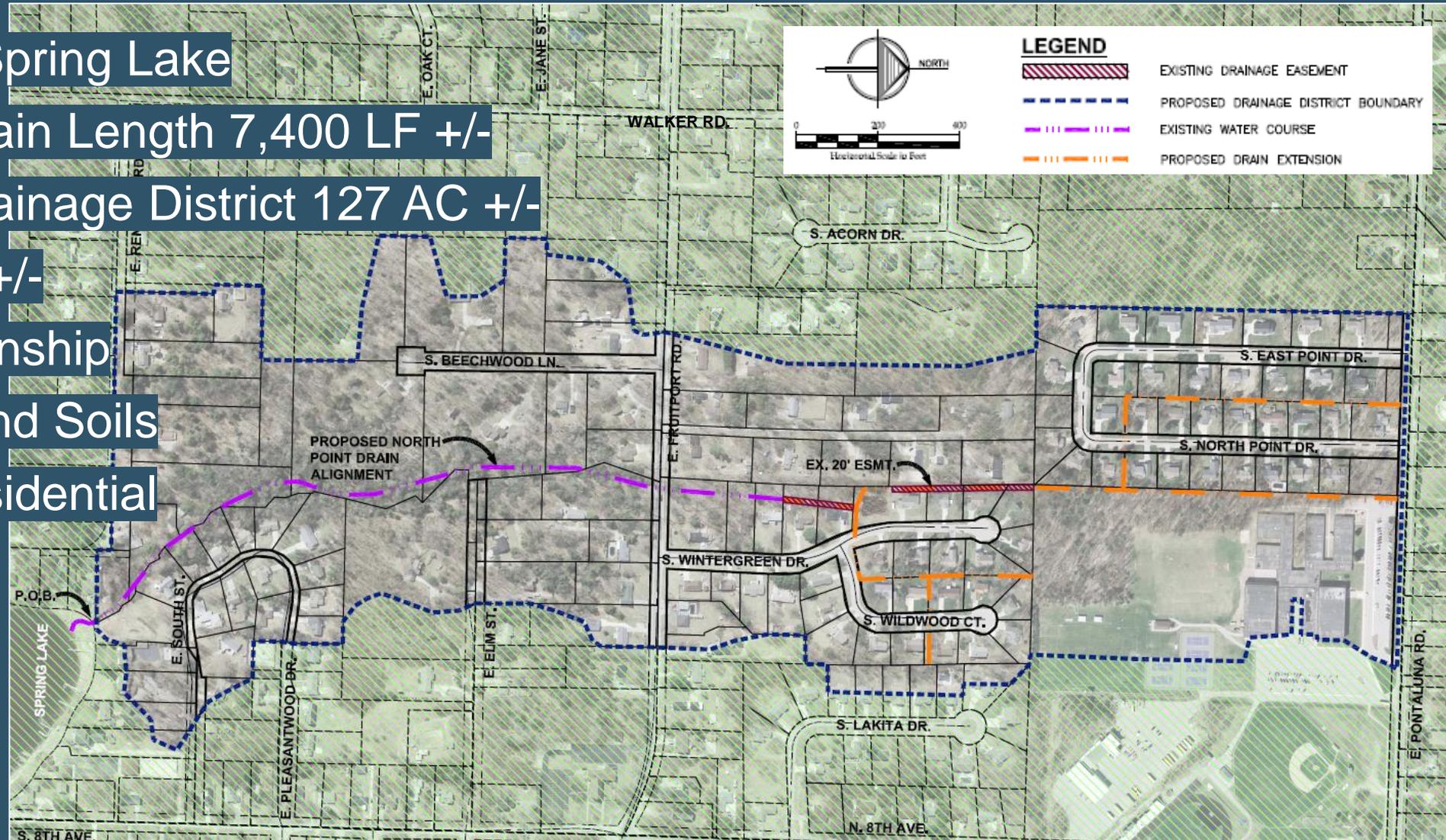
- Why Are We Here?
- Drain Overview
- Drainage Issues
- What Happens Next?

Why Are We Here?

- Muskegon County Drain Commissioner received an application to layout and designate the North Point Drain Drainage District pursuant to Chapter 3 of the Michigan Drain Code, Public Act 40 of 1956, as amended (Drain Code) in 2013.
- Muskegon County Drain Commissioner received a petition from 74 freeholders of land for locating, establishing and constructing the North Point Drain pursuant to Chapter 4 of the Drain Code on May 21, 2020.
- Michigan Drain Code mandates that as part of the petition process, the Drain Commissioner must schedule and hold a Board of Determination (BOD).
- BOD will hear all testimony and determine if a project is necessary based on public health, welfare or convenience.

Drain Overview

- Tributary to Spring Lake
- Proposed Drain Length 7,400 LF +/-
- Proposed Drainage District 127 AC +/-
- 130 Parcels +/-
- Fruitport Township
- Plainfield Sand Soils
- Primarily Residential

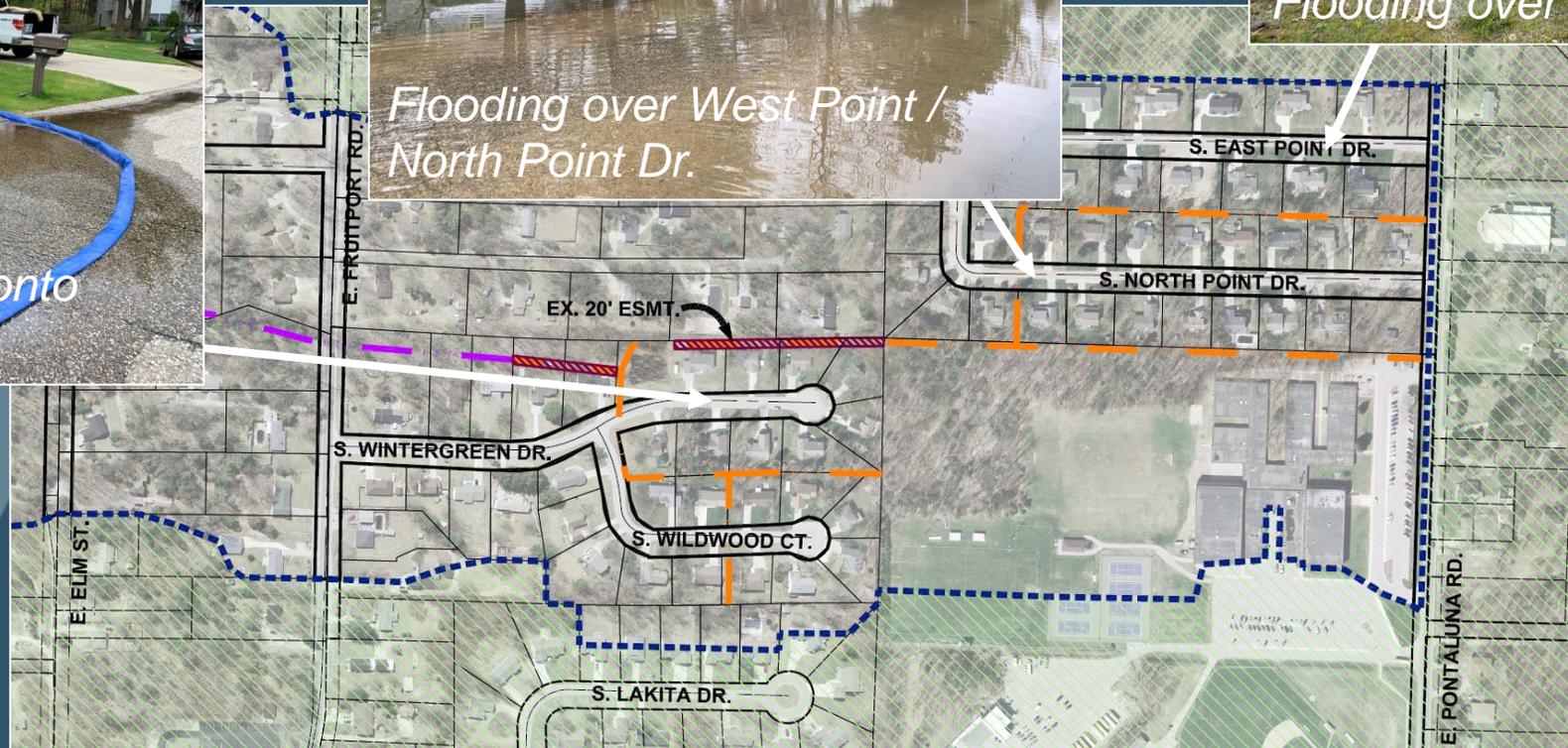


Drainage Issues

- Public Health, Convenience or Welfare Issues:
 - Lack of adequate stormwater drainage network / outlet causing significant flooding of homes and roads within the Drainage District.
 - High groundwater is causing sump pumps to run continuously and basement flooding.
 - Emergency Access becomes difficult when floodwaters overtop driveways and roads.
 - Poor drainage can elevate groundwater levels thereby adversely impacting performance of septic fields and reduce infiltration capacity.
 - Stagnant water creates a breeding ground for mosquitos.

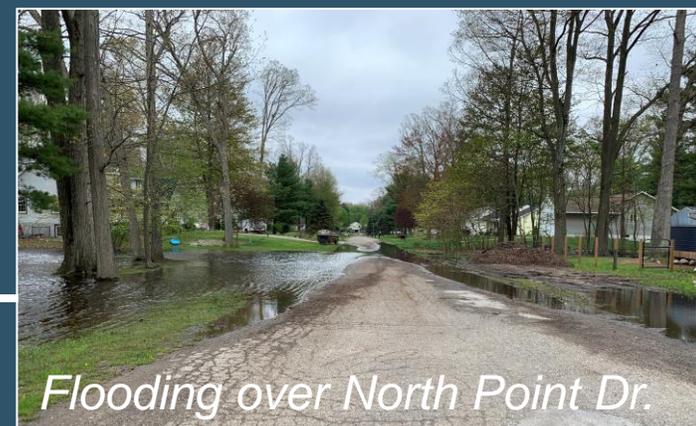
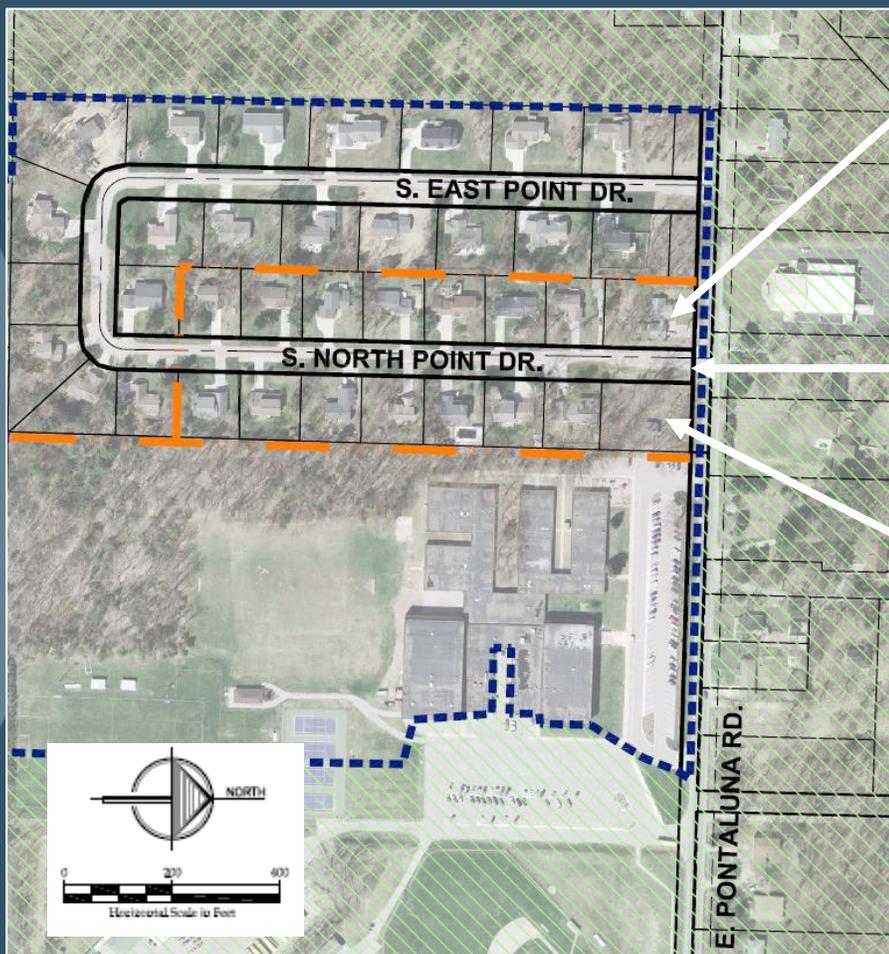
Drainage Issues

- Road Flooding



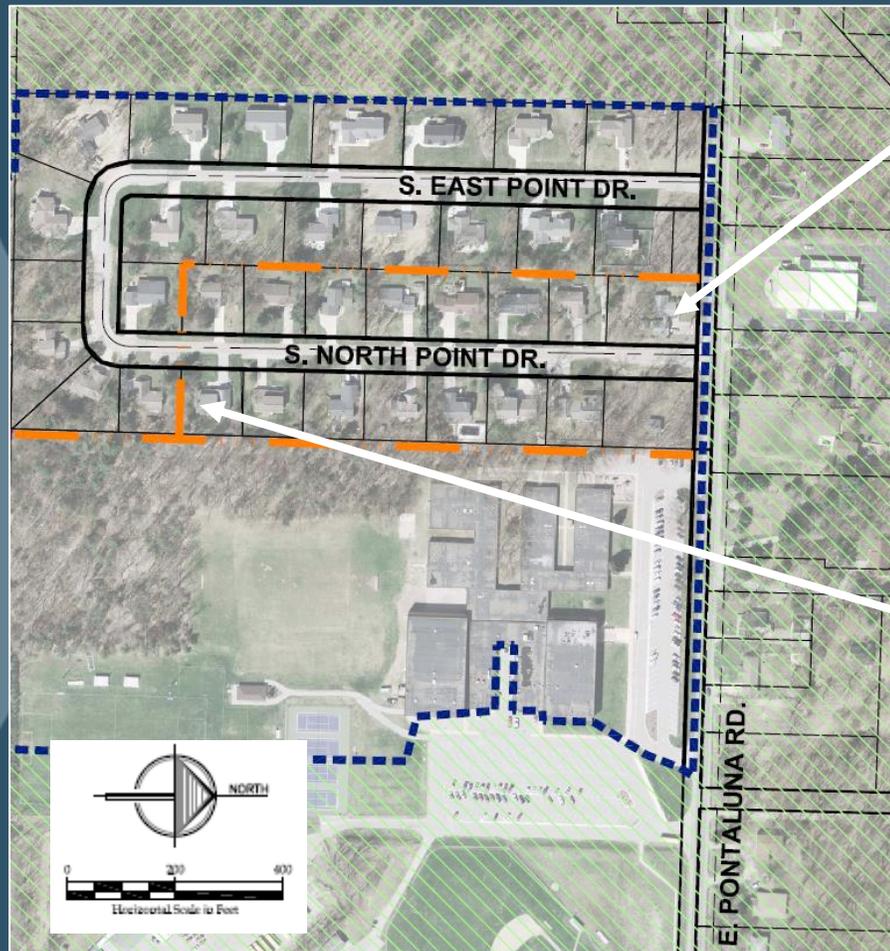
Drainage Issues

- Flooding south of Pontaluna Road



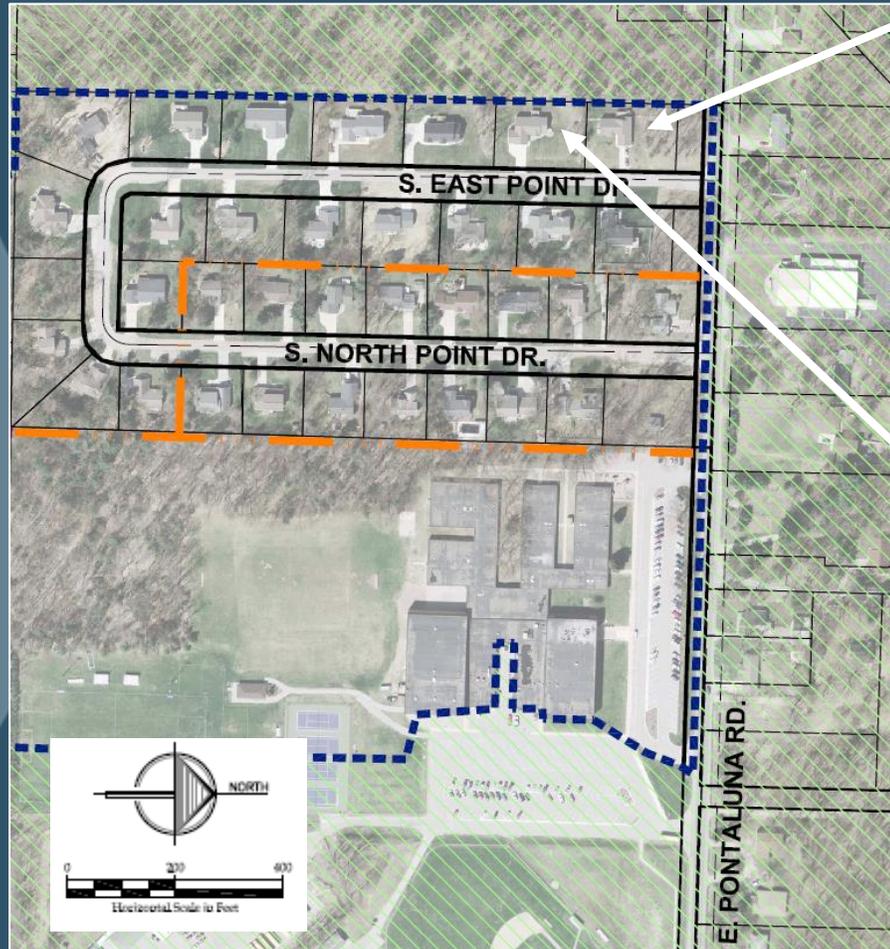
Drainage Issues

- Flooding of Homes



Drainage Issues

- Flooding of Homes



Flooding at 6631 East Point Dr.



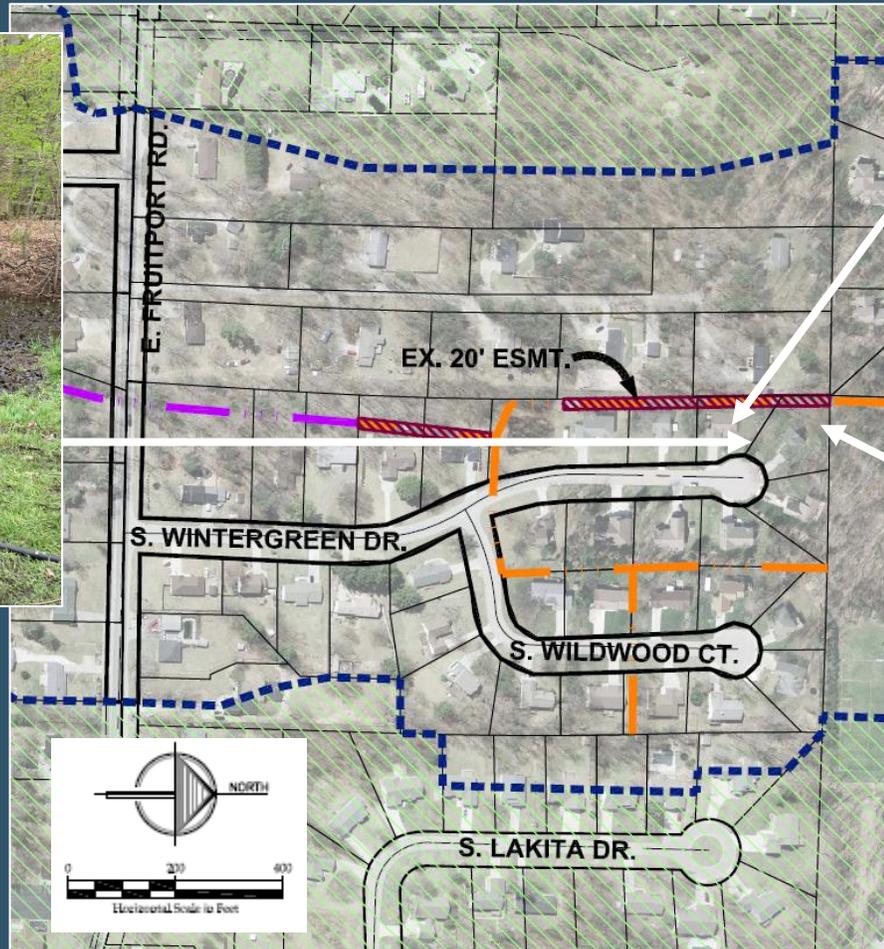
Flooding at 6659 East Point Dr.

Drainage Issues

- Flooding of Homes



Continuous Pumping of Floodwaters from North Point Dr.

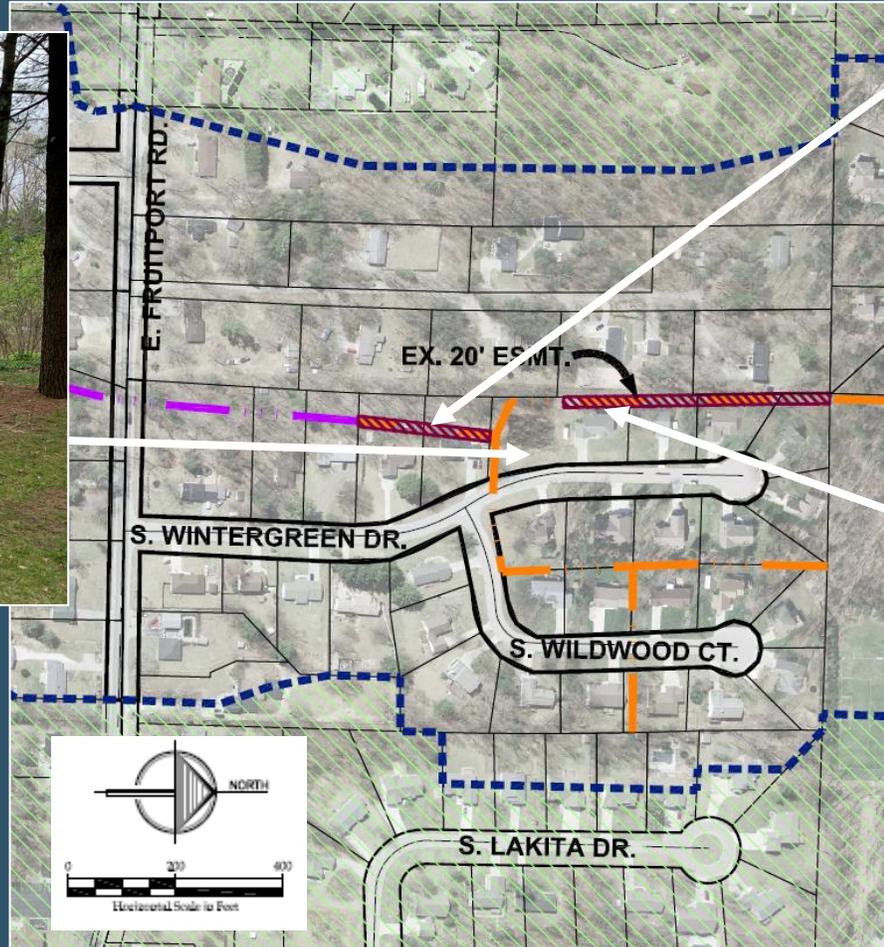


Drainage Issues

- Wintergreen Detention Basin



Looking North at Wintergreen Detention Basin



Looking South at Wintergreen Detention Basin Outlet Channel



Looking North toward Detention Basin – Note Disconnected Drainage



What Happens Next?

BOD to decide if petition is necessary:

- If the BOD finds that the petition is not necessary, the project ceases immediately and no petition can be heard for the same project until 12 months have passed.
- If the BOD finds that the petition is necessary based on health, welfare or convenience, the Drain Commissioner proceeds with a project (the scope of which will be defined later). Each project is unique, however, in accordance with the Drain Code, the following tasks must be completed:
 1. Complete Engineering Design
 2. Obtain Easements
 3. Apply for Permits
 4. Bid Project
 5. Hold “Day of Review”
 6. Construct Project

The End

THANK YOU

LRE