



**Ottawa County
Water
Resources
Commissioner**

June 14, 2023

Boom Drain Board of Determination

Prein&Newhof

Boom Drain – “Orphan” System

- The existing storm water drain system is without authorized local and county governmental jurisdiction and administrative, procedural, and funding mechanisms to address current/future needs for maintenance and improvements



Boom Drain – Establishment Process

- Application for Laying Out and Designating a Drainage District under Chapter 3 of the Michigan Drain Code of 1956.
 - Submitted by private property owners on September 12, 2022
 - Signed by at least 10 freeholders with lands located in Spring Lake Township with at least five of the freeholders with lands liable for assessment for the proposed Boom Drain
- Petition to Locate, Establish, and Construct a County Drain under Chapter 4 of the Michigan Drain Code of 1956
 - Submitted by private property owners on March 20, 2023
 - Signed by number of freeholders with lands liable for assessment equal to at least half the number of freeholders whose lands would be traversed by the proposed Boom Drain
- Michigan Drain Code requires a Board of Determination Meeting
 - Board Members decide if establishing a county drain is necessary or not necessary



Boom Drain

Preliminary Engineering

- Review utility record drawings and plat maps
 - Timberlake Estates (1999)
- Delineate the drainage district (watershed) boundary using county GIS contour data and aerials
- Visit site to locate drain infrastructure and confirm drainage patterns



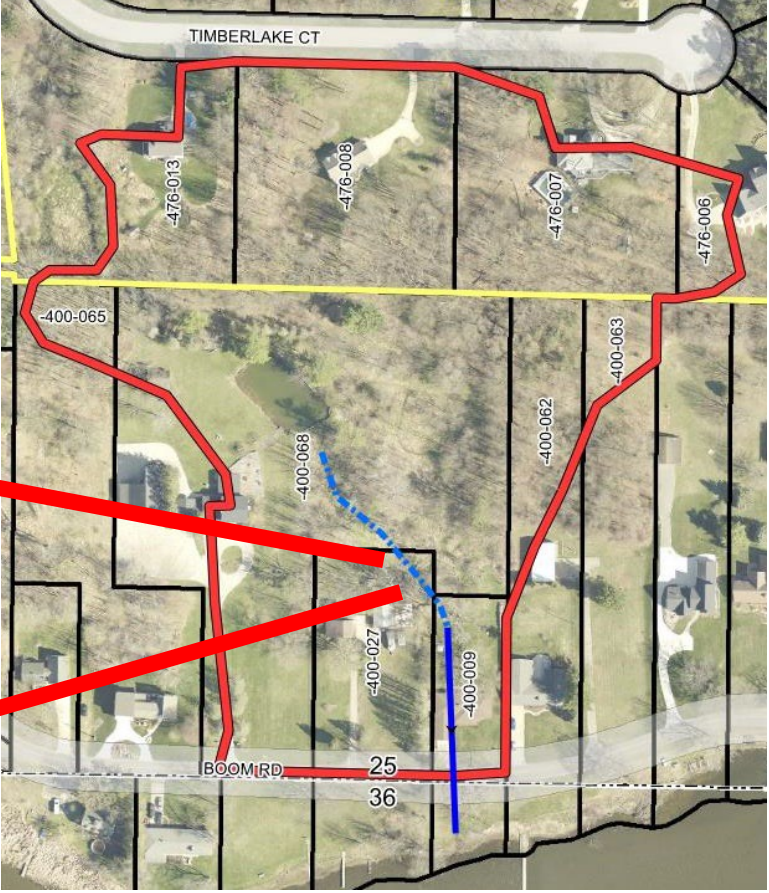


Current Drainage District and Route and Course



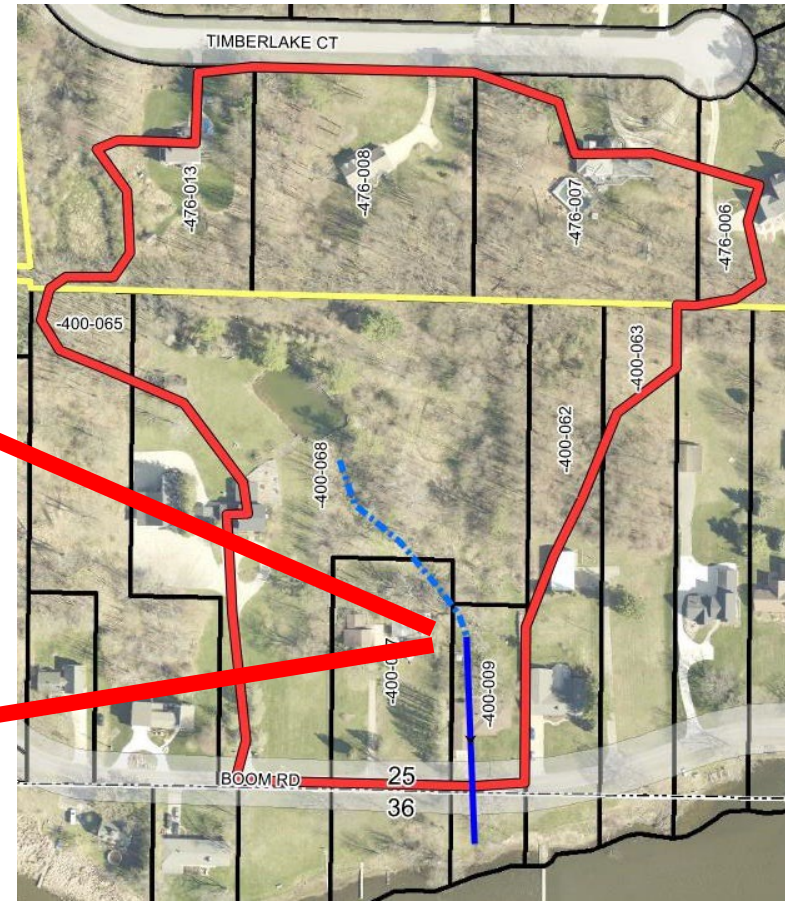
Pond from 14667 Boom Road drains out into open watercourse





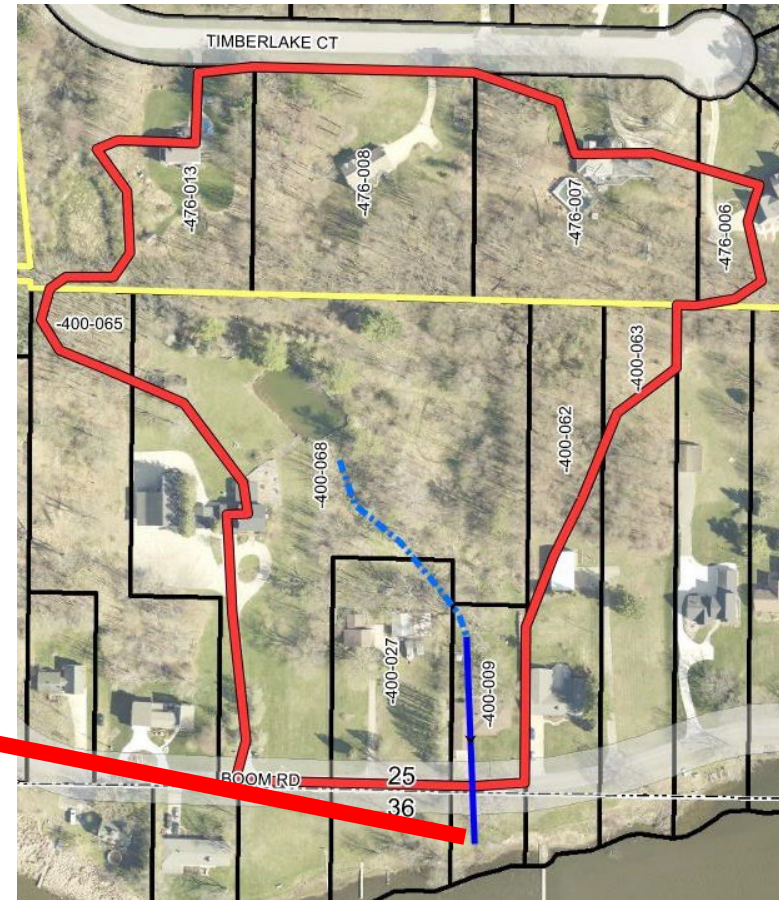
Debris and an old pipe within open watercourse





~10" pipe running
underneath 14641
Boom Road





~10" pipe outlet towards Spring Lake. Pipe is buried but continual flow is leaving the pipe.



Boom Drain – BOD Conclusion

- Public Testimony
- Board to determine necessity of petition based on public health, welfare, and/or convenience after hearing testimony
 - If deemed necessary by the board, then the existing system will become a county drain.
 - If deemed not necessary by the board, then no further action will occur.



Boom Drain – Next Steps

- If the drain is deemed necessary by the board, then...
 - Project design will begin and easement acquisition will occur.
 - Upon completion of design, the project will be let out to contractors for bids. This will be a public bid.
 - After project is bid and project costs are determined, a Day of Review will be held to review apportionments.
 - Costs of project would be assessed to Spring Lake Township (at large), Ottawa County, Ottawa County Road Commission, and parcels within the district.
 - Construction would then commence on the project.



Boom Drain – Future Issues

- If drainage issues occur in the future, then...
 - Drain Office can perform routine maintenance up to \$5,000 per mile of drain (per Drain Code) without a petition
 - If the extent of maintenance exceeds the \$5,000 per mile of drain in a year, then a maintenance resolution from the Township can be signed to exceed the maintenance limit without the need for a petition.
 - The final option is a new petition would be needed by the Township or the residents of the drainage district to maintain the county drain
 - Assessments for all future projects would be made by Spring Lake Township (at large), Ottawa County, Ottawa County Road Commission, and parcels within the district

