



June 5, 2024

Shadybrook North Drain Board of Determination

Shadybrook North Drain

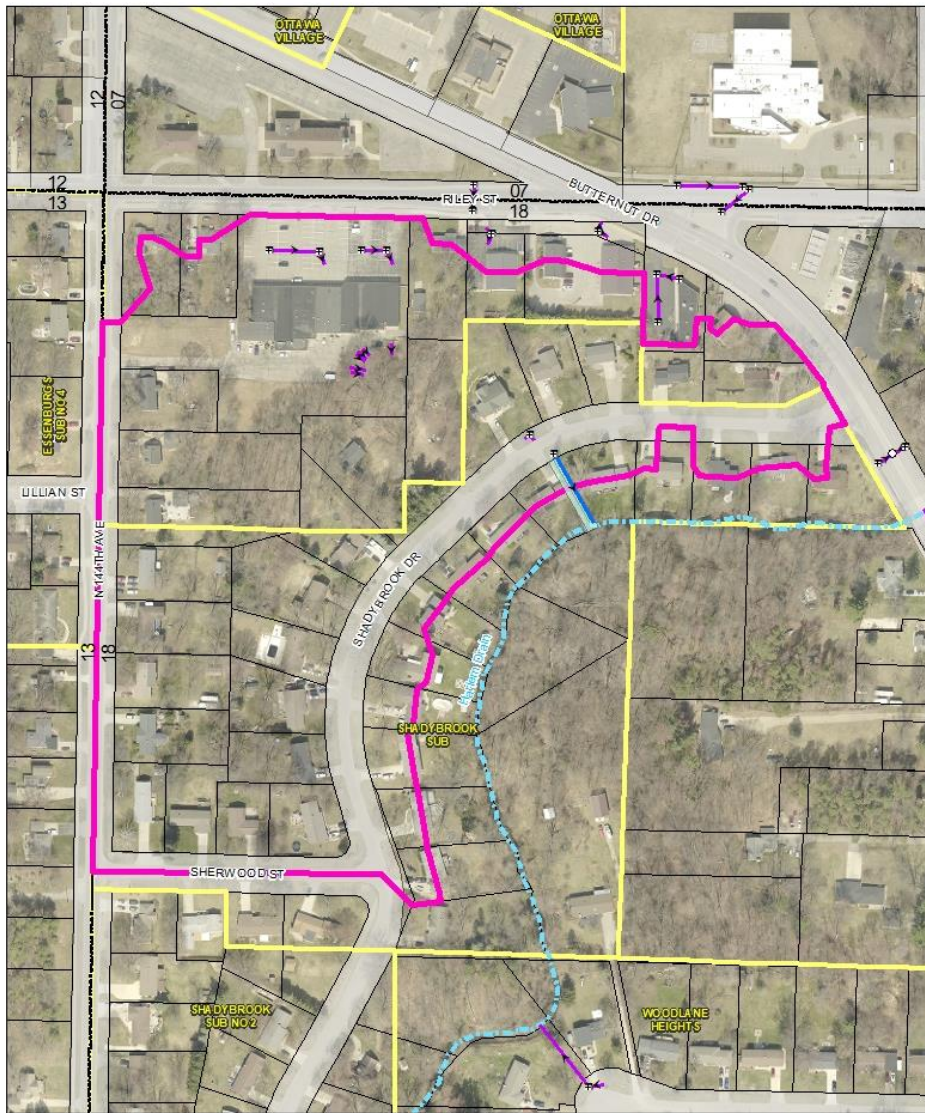
- The existing storm water drain system is without authorized local and county governmental jurisdiction and administrative, procedural, and funding mechanisms to address current/future needs for maintenance and improvements
- Application for Laying Out and Designating a Drainage District completed by Holland Charter Township on February 15, 2024 under Chapter 3 of the Michigan Drain Code of 1956.
- Petition to Locate, Establish, and Construct a County Drain submitted by Holland Charter Township on February 15, 2024, under Chapter 4 of the Michigan Drain Code of 1956.
- Michigan Drain Code requires a Board of Determination Meeting



Shadybrook North Drain Preliminary Engineering

- Review utility record drawings and plat maps
 - Shadybrook Sub Plat (1965)
- Delineate the drainage district (watershed) boundary using county GIS contour data and aerials
- Visit site to locate drain infrastructure and confirm drainage patterns





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SCALE: 1" = 200'

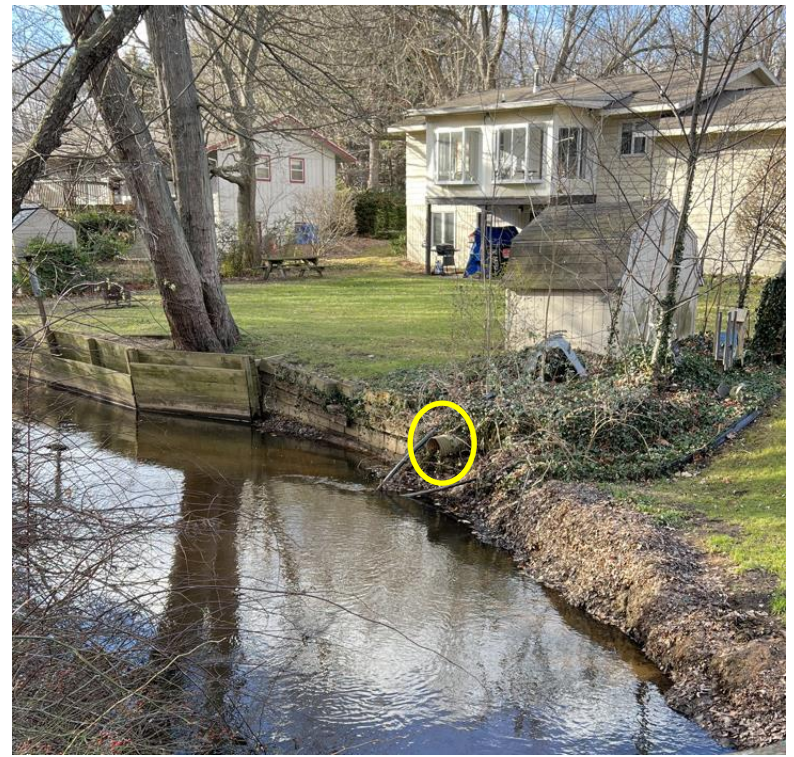
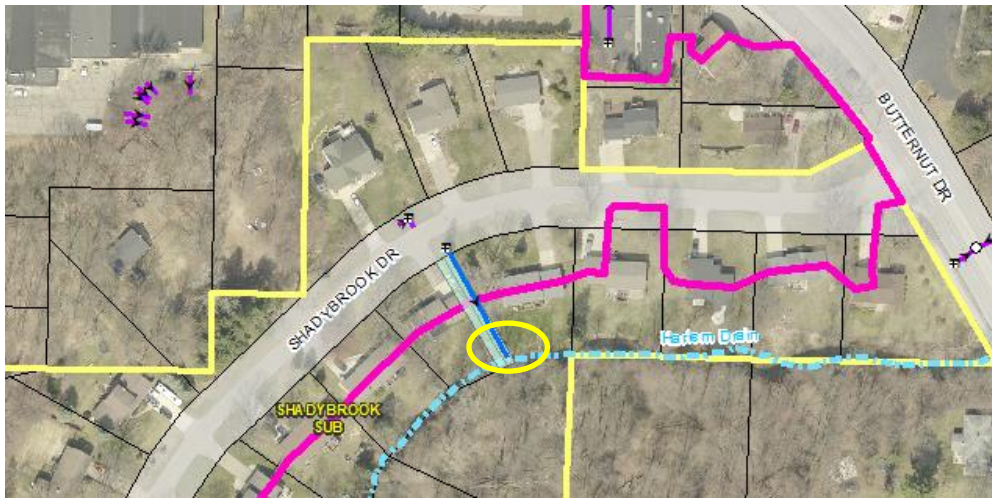


- LEGEND**
- SHADYBROOK NORTH DRAIN DRAINAGE DISTRICT
 - ▶ SHADYBROOK NORTH DRAIN
 - ▶ STORM SEWER
 - ▶ OTHER WATER COURSES
 - EASEMENT
 - MANHOLE
 - CATCH BASIN
 - RIGHT OF WAY
 - SECTION BOUNDARY

OTTAWA COUNTY WATER RESOURCES COMMISSIONER
 HOLLAND CHARTER TOWNSHIP SECTION 18
 SHADYBROOK NORTH DRAIN DRAINAGE DISTRICT
 AND ROUTE AND COURSE
Prein & Newhof
 2230856



Current Drainage District and Route and Course



Drain outlet into Harlem Drain





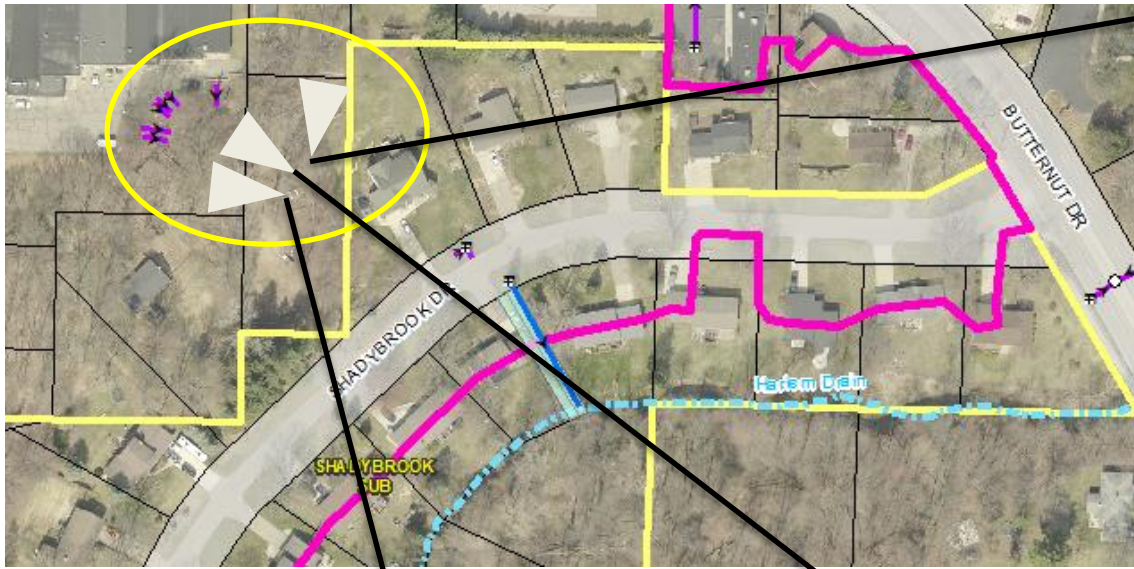
Manhole cover hidden under bush



Manhole cover hidden under bush



Field Review of Site



Elevation change causes ponding of water due to poor drainage



Business district in background drains into backyard, as seen on map

Field Review of Site

Shadybrook North 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.



Shadybrook North Drain – Next Steps

- If the drain is deemed necessary by the board and no drainage issues are brought up during public testimony or post public testimony, then...
 - Holland Charter Township, Ottawa County, and the Ottawa County Road Commission pay all costs of establishing the drain.



Shadybrook North Drain – Next Steps

- If the drain is deemed necessary by the board and during public testimony or following public testimony OCWRC is made aware of drainage issues with the existing system, then...
 - Project design will begin and easement acquisition, if necessary.
 - Upon completion of design, the project will let 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.
 - Construction would then commence on the project.
 - Costs of project would be assessed to Holland Township at large, Ottawa County and Ottawa County Road Commission and parcels within the district.



Shadybrook North Drain – Future

- 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 be assessed to Holland Township at large, Ottawa County, Ottawa County Road Commission, and parcels within the district.

