



April 20, 2022

## River Avenue Drain Board of Determination

Prein & Newhof

# River Avenue 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
- Holland Charter Township filed a Petition to Establish a Drainage District on March 3, 2022.
- Michigan Drain Code requires a Board of Determination Meeting

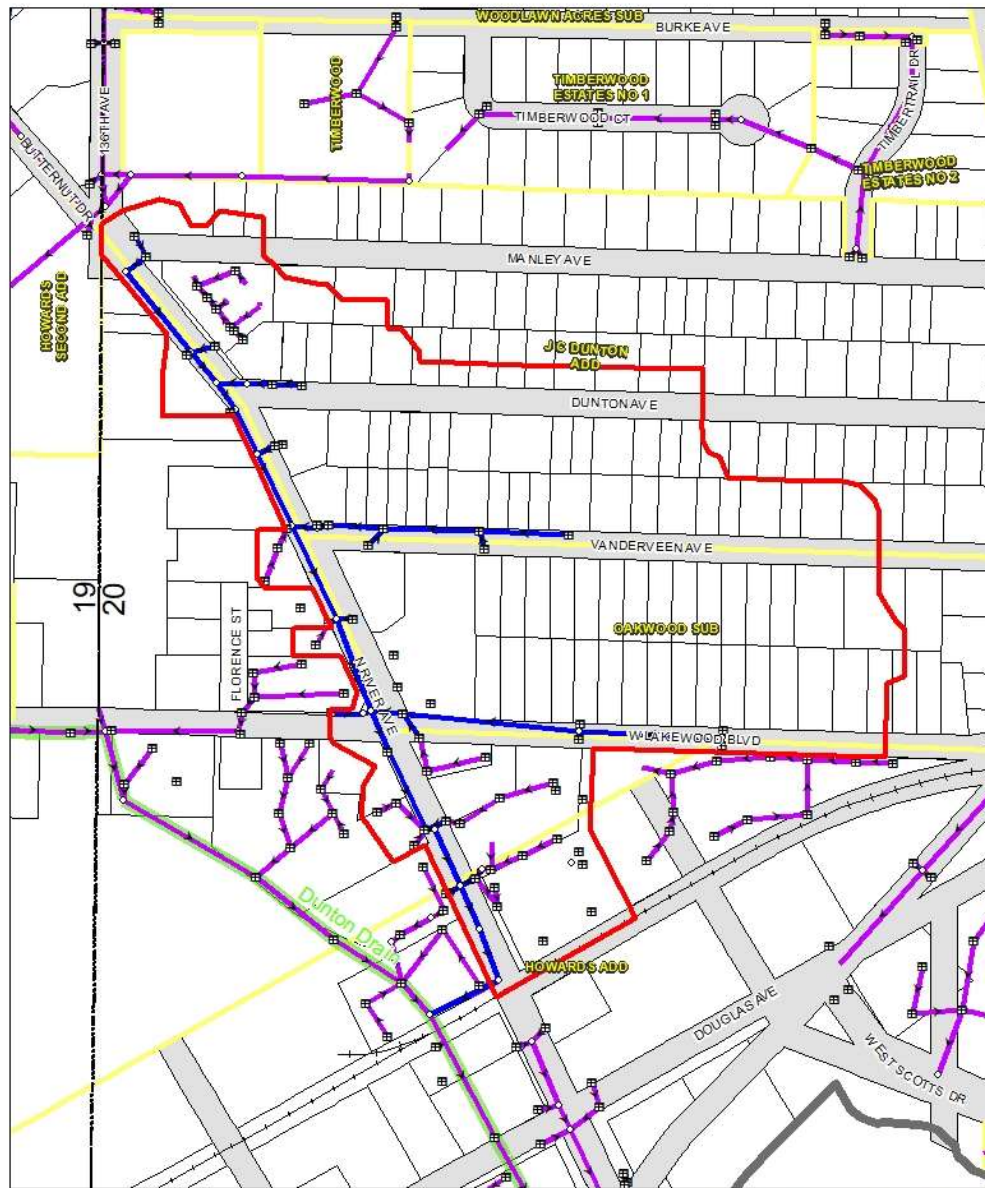


# River Avenue Drain

## Preliminary Engineering

- Review utility record drawings and plat maps
  - Howards Addition (1872)
  - JC Dunton Addition (1903)
  - Oakwood Subdivision (1928)
- Delineate the drainage district (watershed) boundary using county GIS contour data and aerials
- Visit site to locate drain infrastructure and confirm drainage patterns



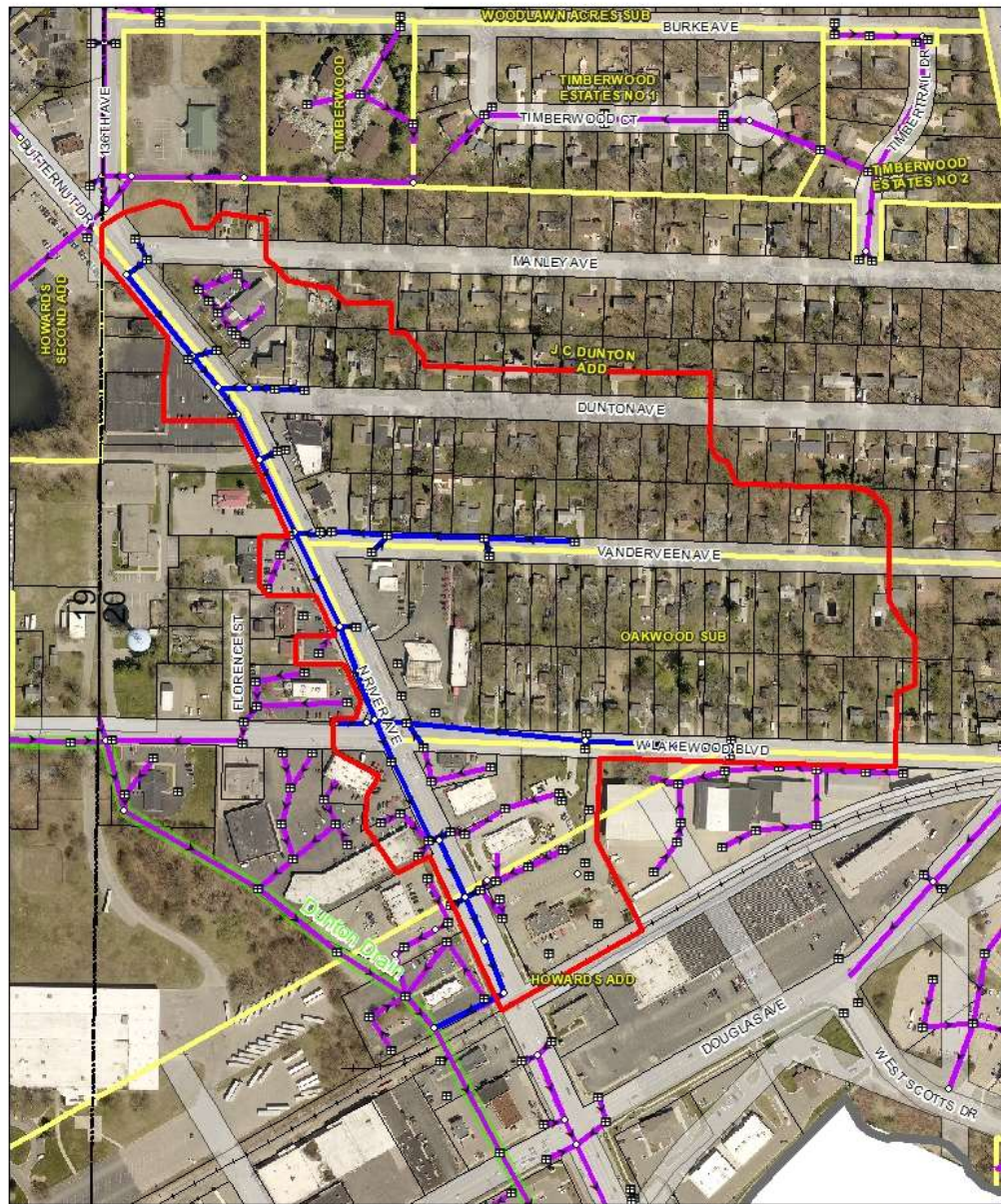


SCALE: 1" = 300'

- LEGEND
- ◊ MANHOLE
  - RAILROAD
  - PLAT BOUNDARIES
  - RIGHT OF WAY
  - SECTION BOUNDARY

OTTAWA COUNTY WATER RESOURCES COMMISSIONER  
 HOLLAND CHARTER TOWNSHIP SECTION 20  
 PROPOSED RIVER AVENUE DRAIN  
 DRAINAGE DISTRICT AND ROUTE AND COURSE  
 Prein & Newhof  
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## Current Drainage District and Route and Course



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LEGEND

PROP. RIVER AVENUE DRAIN DRAINAGE DISTRICT	MANHOLE
PROP. RIVER AVENUE COUNTY DRAIN	RAILROAD
DUNTON COUNTY SEWER	PLAT BOUNDARIES
OTHER STORM SEWER	RIGHT OF WAY
CATCH BASIN	SECTION BOUNDARY

OTTAWA COUNTY WATER RESOURCES COMMISSIONER  
HOLLAND CHARTER TOWNSHIP SECTION 20  
PROPOSED RIVER AVENUE DRAIN  
DRAINAGE DISTRICT AND ROUTE AND COURSE  
**Prein & Newhof**  
2211058

# Current Drainage District and Route and Course

# River Avenue 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.



# River Avenue 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 pays all costs of establishing the drain.



# River Avenue 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...
  - OCWRC will have P&N review feasible projects to improve drainage
  - Design Process for Drainage Maintenance/Improvements
    - Review feasible projects
    - Select project
    - Project design and survey
    - Easement acquisition
    - Project bid and construction
    - Day of Review of Apportionments
      - Assessments will be made to Ottawa County, Ottawa County Road Commission, Holland Township, and property owners.
      - Holland Charter Township will cover the costs of establishing the orphan system as a county drain and will cover some of the drain improvement costs (as determined by OCWRC).





# River Avenue Drain – Next Steps

- If drainage issues occur in the future, then...
  - A petition is needed (by the township or the residents of the drainage district) to maintain the county drain if the project costs more than \$5,000 per mile of drain (per Drain Code).
  - Assessments for all future projects will be made to Ottawa County, Ottawa County Road Commission, Holland Township, and property owners.

