Presentation Overview

- Why are We Here?
- Drain Overview
- Historic Maintenance
- Drainage Issues
- Potential Improvements
- Proposed Drainage District
- What Happens Next?
Why Are We Here?

- Muskegon County Drain Commissioner received a petition from 8 freeholders of land for “cleaning out, relocating, widening, deepening, straightening, tiling, extending, or relocating, adding lands, and/or adding one or more branches” to the Kent Drain.

- Michigan Drain Code Act 40 of 1956, as amended, 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 Holland Drain (Ryerson Ck. Watershed)
- Established in 1919
- Total Length ~ 4,300-ft
- 50-ft Easement Width (25-ft each side of Centerline)
- 236 Acre Contributing Watershed (313 Ac. Drainage District)
- Sandy Soils
Petition Projects
Completed in 1947 and 1966
Depth ~ 3-5-ft
Bottom ~ 6-8-ft
Slope ~ .02-.08%

Portion
Relocated near Central Assembly of God in 2000
Drainage Issues

- Up to 2-ft of Sediment Buildup in Kent Drain
- Culverts in Poor Condition, Perched, or Clogged
- Inadequate Outlet (Sediment Buildup in Holland Drain)
Drainage Issues

- Flooding along Barlow St. between Annette St. and Burke Ave.
- Inadequate Conveyance to Drain.
Potential Improvements

- Drain Cleanout and Culvert Replacement(s)
Potential Improvements

- Add Branch(es)
Proposed Drainage District

- Update Drainage District based on Contributing Watershed
- Historic Area 313 Acres
- Remove 77 Acres
- Revised Area 236 Acres
What Happens Next?

- Open floor to public testimony (written and oral).

- 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. Each project is unique, however, in accordance with the Drain Code, the following tasks must be completed:
    1. Complete topographic survey / engineering design
    2. Obtain easements (if necessary)
    3. Apply for permits (if necessary)
    4. Bid project
    5. Hold “Day of Review”
    6. Construct project