Eastwood Drain

Public Informational Meeting

Spaulding Township Hall

January 22, 2020

10:00 AM



Brian J. Wendling

Saginaw County Public Works Commissioner



Purpose of Meeting

 Review findings and design alternatives of engineering study

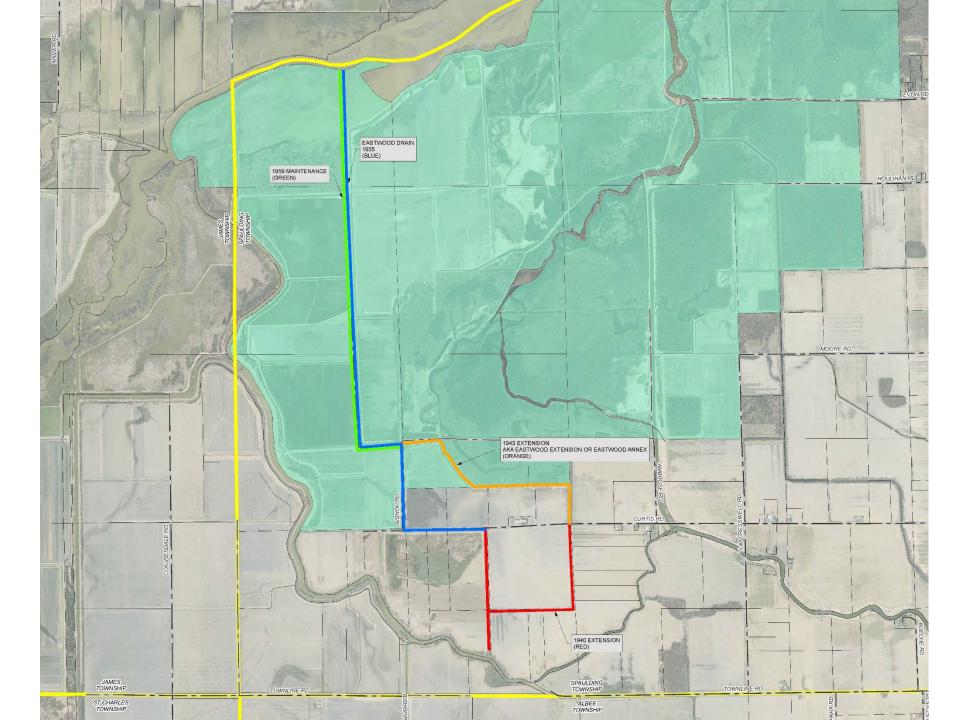
 Public Works Commissioner to receive input and comments from landowners on the drainage study

Presentation Agenda

- Drain Background
- Existing Conditions
- Design Alternative A
- Design Alternative B
- Design Alternative C
- Next Steps
- Questions and Comments

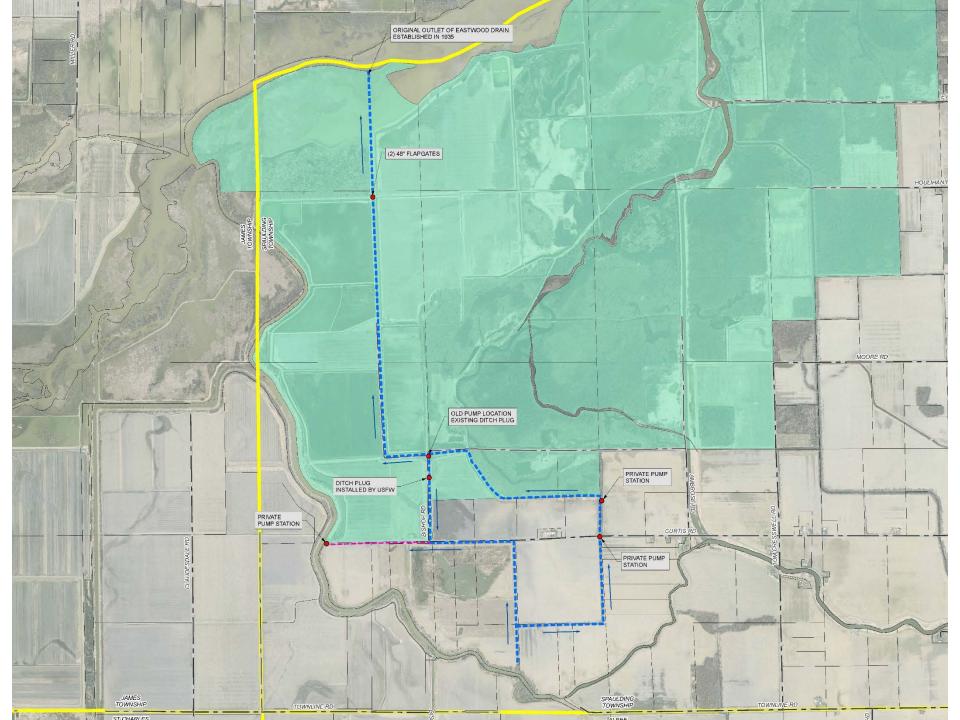
Drain Background

- Eastwood Drain History
 - Under the jurisdiction of the Public Works Commissioner
 - Established as a county drain in 1935
 - Main drain extended in 1940
 - Eastwood Extension (Annex) added in 1943
 - Shiawassee National Wildlife Refuge established in 1953
 - Last drain project completed by SCPW in 1959 from outlet to Bishop Rd/Bartel Rd



Existing Conditions

- (2) 48" Flapgates near outlet protect drain from backwaters from the river
- Ditch plugs along Bishop Road separate upper end of main drain from outlet
- Private pump station and private ditch provide outlet for upper end of the county drain
- 2 Private pump stations located along Eastwood Extension (Annex)
- Original drain outlet no longer functioning properly

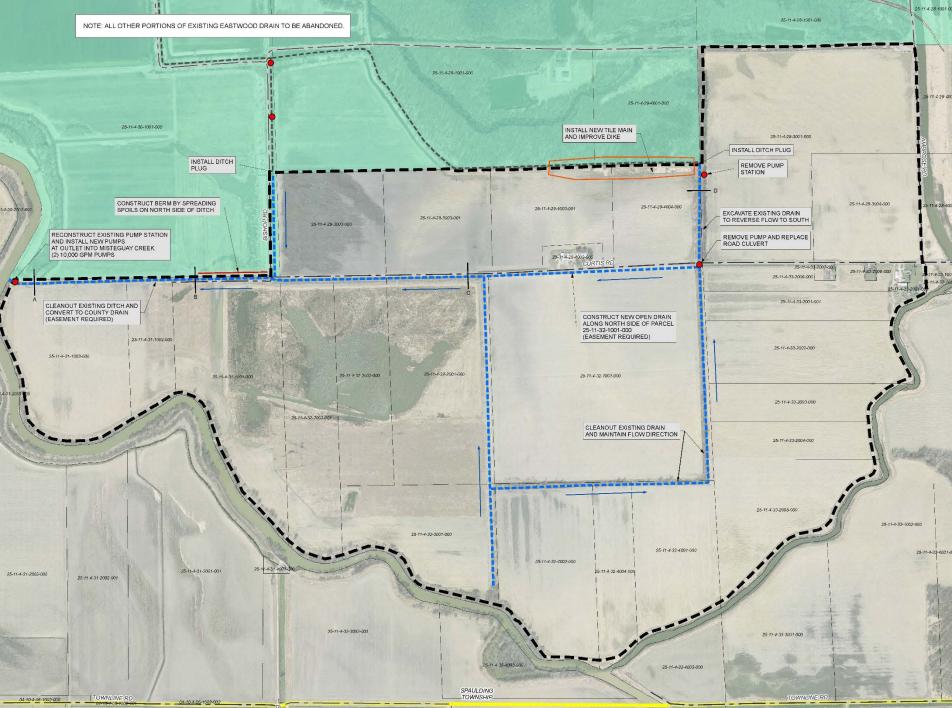


Design Alternative A

- 1,100 Acre Drainage District
- USFW to be separated from drainage district by installing ditch plugs on property line
- Private ditch west of Bishop Rd to be established as county drain.
- Existing private pump station to be replaced with new pump station
- Flow of existing Extension Drain will be reversed South to Curtis Rd.
- Drain will be designed to gravity flow to new pump station to allow removal of other pump stations

Design Alternative A

- Includes:
 - Site Clearing
 - New Pump Station (To be part of county drain)
 - (2) 10,000 gpm pumps
 - Replacement of 5 Road/Drive Culverts
 - 1,200 ft. of Open Channel Construction of new drain
 - 8,150 ft. of Open Channel Excavation of existing drain
 - Installation of (2) ditch plugs near USFW property line
 - Legally abandon all other portions of existing drain
 - Planning Level Estimated Total Cost: \$ 900,000



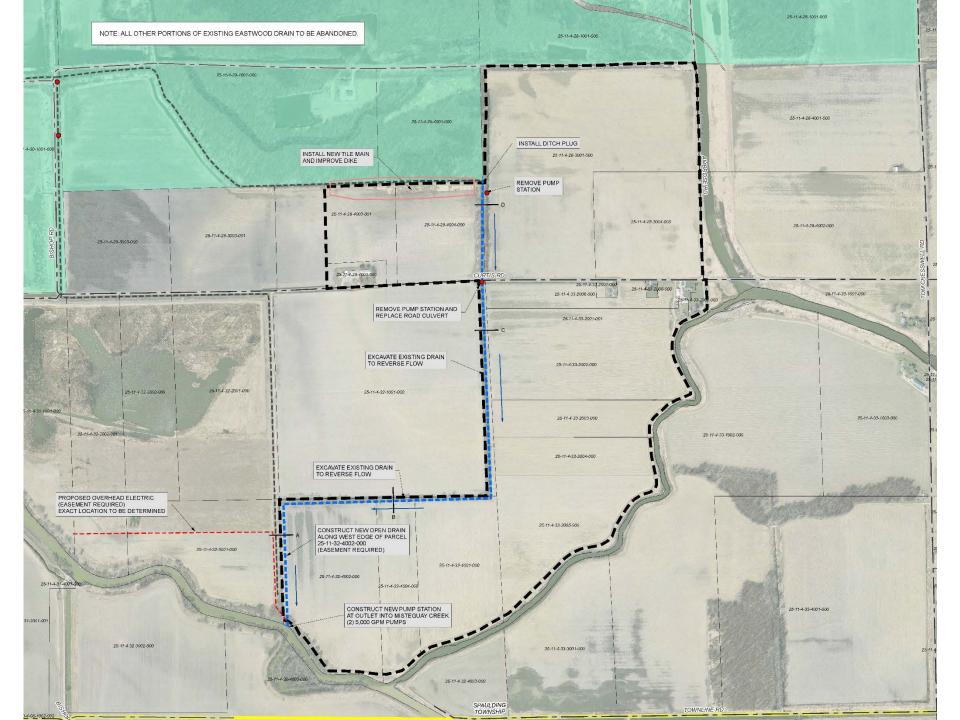
ALBEE

Design Alternative B

- 500 Acre Drainage District
- USFW to be separated from drainage district by installing ditch plug on property line
- New outlet to be constructed South of Curtis Road into Misteguay Creek/Flint River
- New pump station to be constructed at outlet
- Flow of existing Drain will be reversed to South
- Drain will be designed to gravity flow to new pump station to allow removal of other pump stations

Design Alternative B

- Includes:
 - Site Clearing
 - New Pump Station (To be part of county drain)
 - (2) 5,000 gpm pumps
 - Replacement of 1 Road Culvert
 - 1,400 ft. Open Channel Construction of new drain
 - •6,300 ft. of Open Channel Excavation of existing drain
 - Installation of ditch plug near USFW property line
 - Legally abandon all other portions of existing drain
 - Planning Level Estimated Total Cost: \$ 740,000



Design Alternative C

- A design alternative C was considered to reestablished original route and course of the Eastwood Drain
 - Most expensive option
 - Requires larger pumps, more culverts, more drain to maintain
 - Does not add more assessable acres to district

Next Steps

- Landowners who wish to pursue further consideration of proposed work on the Eastwood Drain may file a petition with the Saginaw County Public Works Commissioner.
- If a petition is not received, no further action will be taken at this time.

Questions or Comments?

