PAW PAW LAKE

REDUCTION OF THE SEDIMENT AND NUTRIENTS BEEN ABLE TO MAINTAIN AND STABILIZE INTRODUCTION OF THE WATER QUALITY IMPROVEMENT PLANS

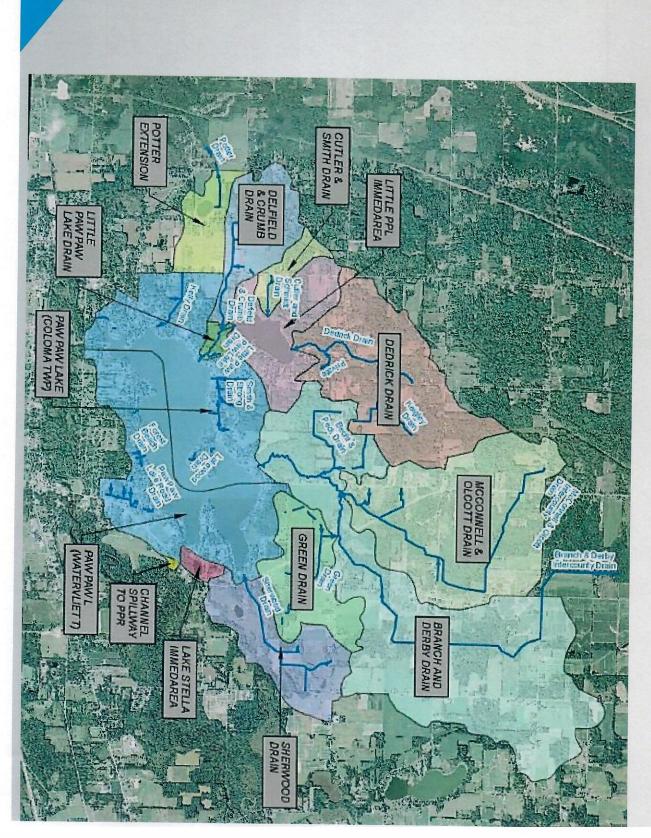
WATER QUALITY IMPROVEMENT PL

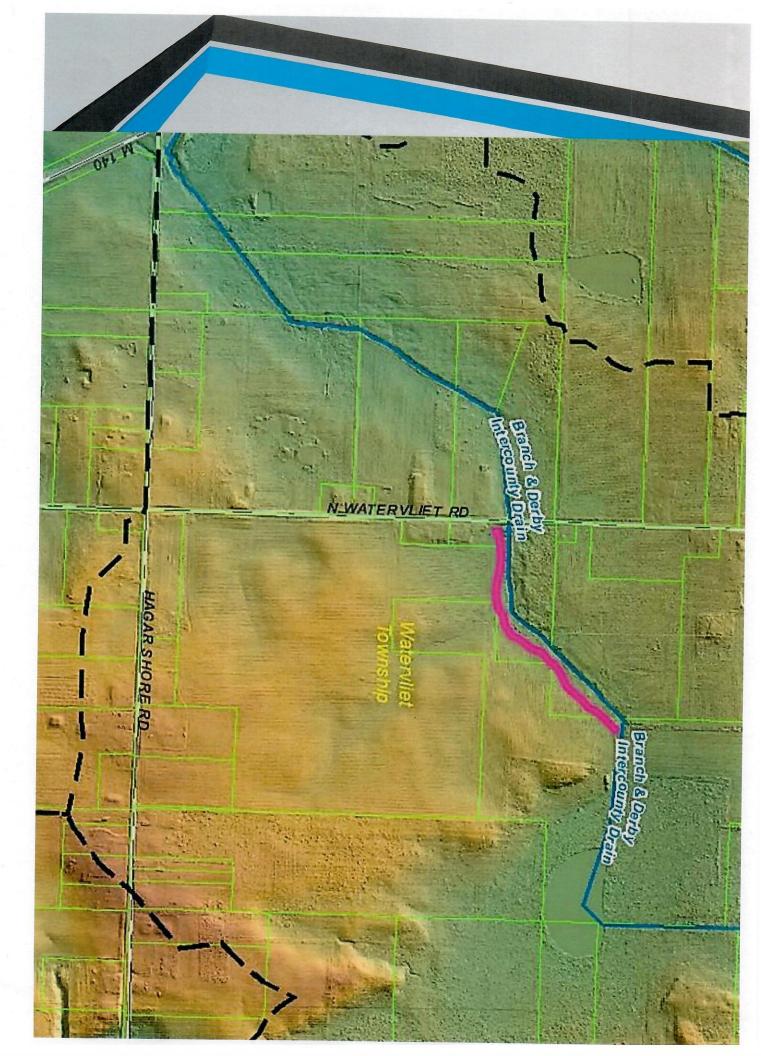
- WATERSHED RUNOFF
- TREATMENT WETLANDS
- FLOODPLAIN RECONNECTION
- SEDIMENT REMOVAL
- STORM SEWER RUNOFF TREATMENT

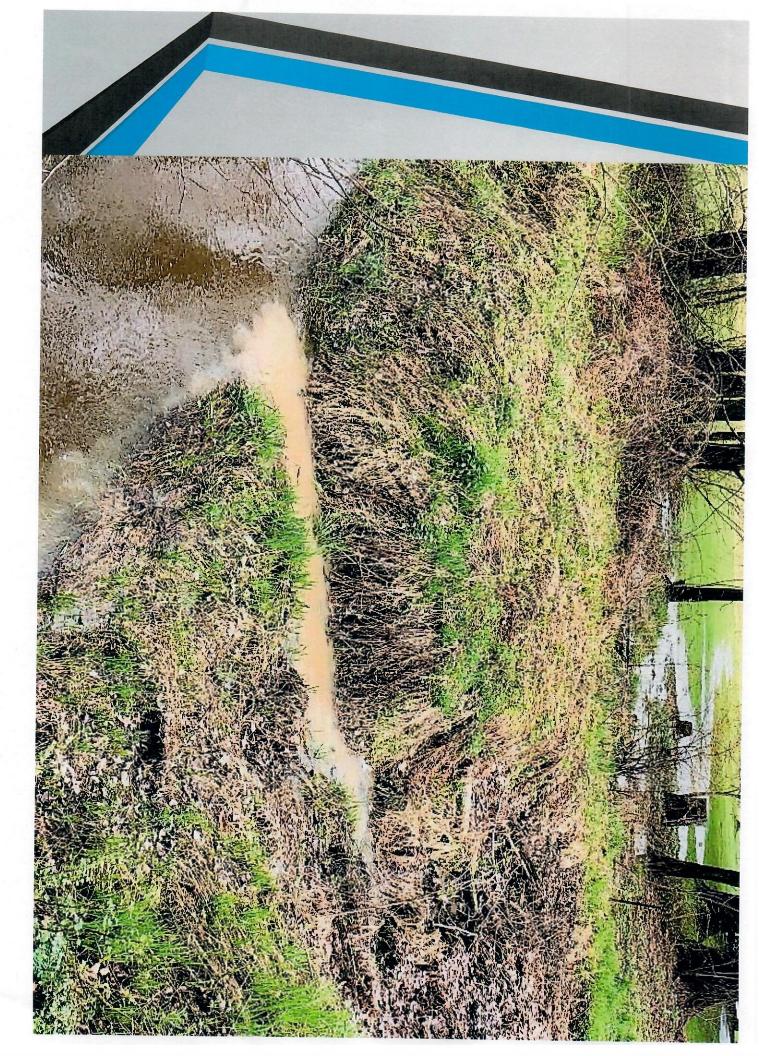
WATERSHED RUNOFF

- POOR QUALITY RUNOFF IS WATERSHED WIDE
- HOLDING THE SOIL ON THE LAND IS THE FIRST LINE OF DEFENSE
- USE BEST MANAGEMENT PRACTICES TO STOP SOIL EROSION
- INSTALLATION OF BUFFER STRIPS AND GRASS WATERWAYS
- NO TIL OR MINIMUM TIL FARMING PRACTICES
- CONSERVATION RESERVE ENHANCEMENT PROGRAM
- PRELIMINARY ESTIMATED OF COST \$50k TO 100k

WATERSHED RUNOFF







M₁₄0 TREATMENT

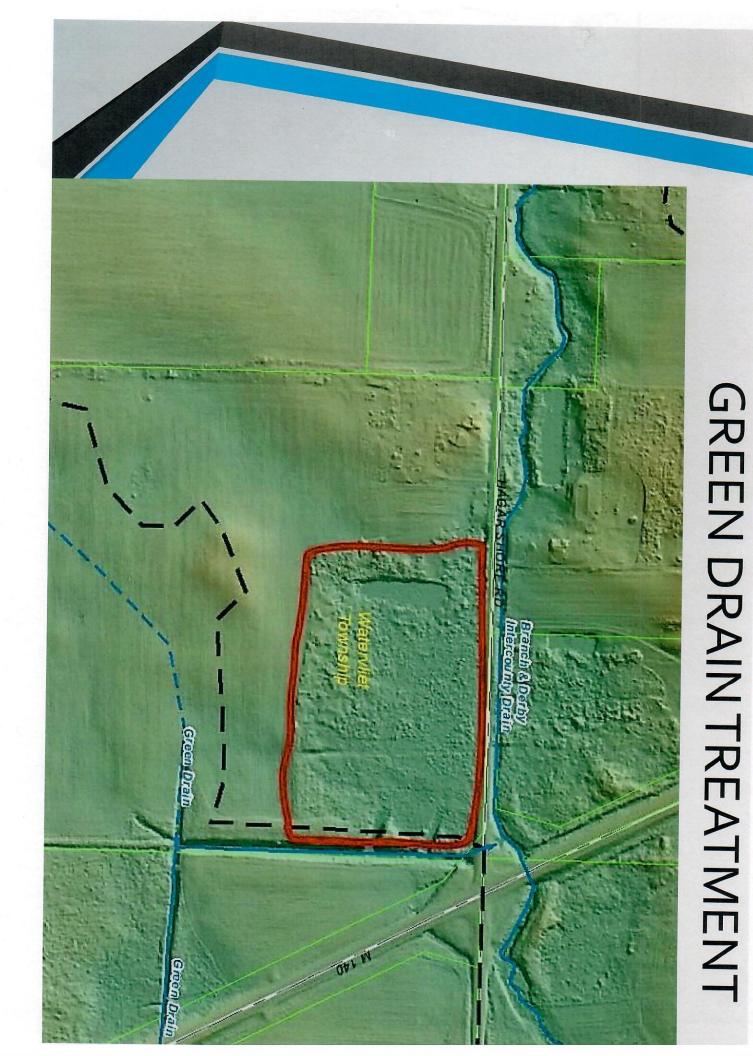
- MDOT PROJECT PARTNER
- WATER QUALITY TREATMENT FOR FIRST FLUSH
- RESTRICT THE OUTLET AND PROVIDE A FILTER
- PRELIMINARY ESTIMATE OF COST \$15k TO \$20k

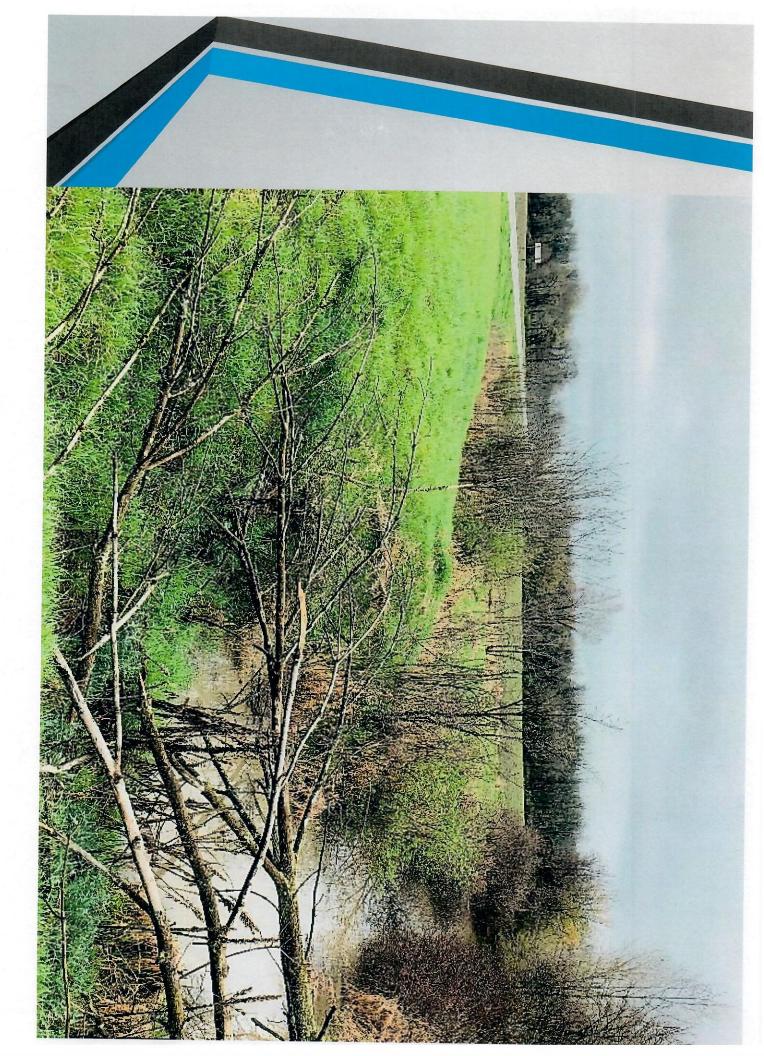




GREEN DRAIN TREATMENT

- DIVERT WATER FROM GREEN DRAIN
- RESTRICT THE DIRECT OUTLET TO THE BRANCH AND DERBY [
- EXISTING WETLAND COMPLEX WOULD PROVIDE TREATMENT
- EXISTING WETLAND WOULD BE ENHANCED BY ADDITIONAL
- PRELIMINARY ESTIMATE OF COST \$40k TO \$55k

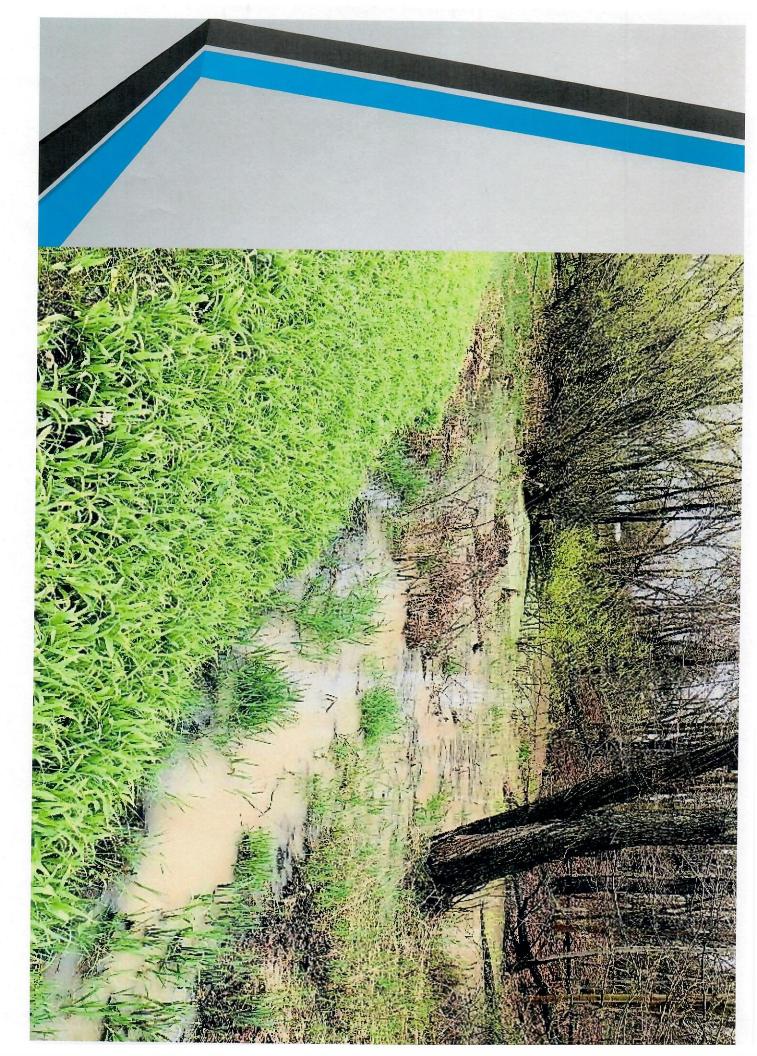




HAGAR SHORE ROAD TREATMEN

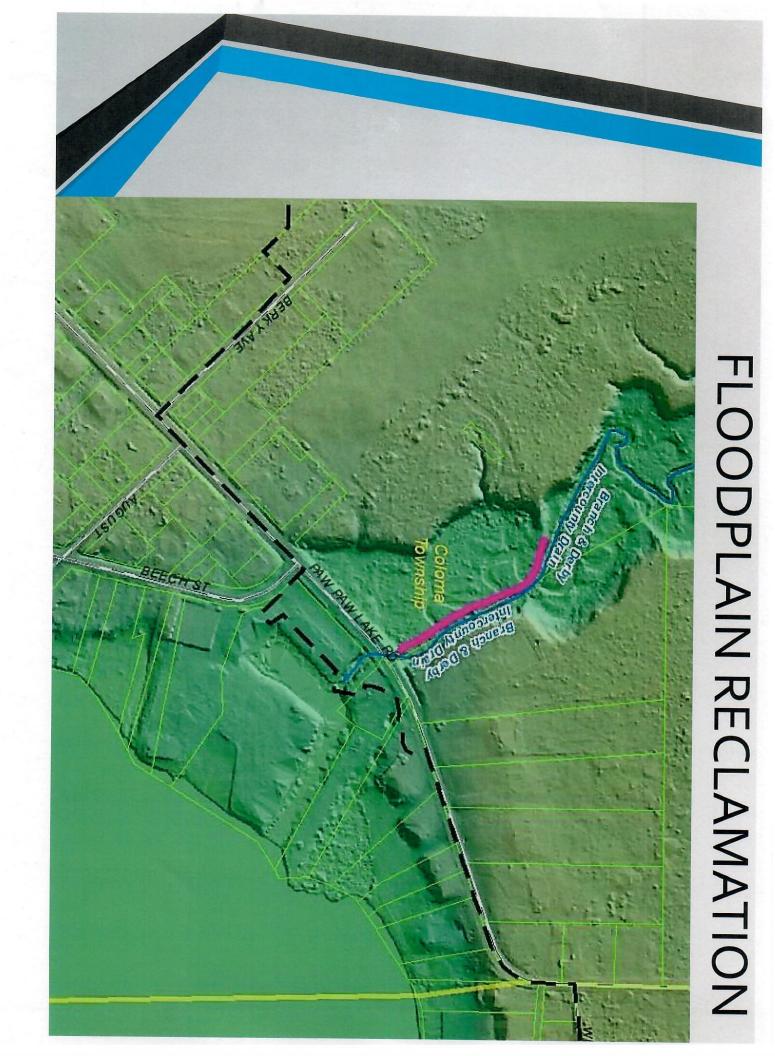
- LOCATION HAS AN EXISTING WETLAND/DETENTION AREA
- INSTALLATION OF AN OULET STRUCTURE TO TRAP THE FIRST
- VERY TURBID WATER
- PRELIMINARY ESTIMATE OF COST \$30k TO 40k





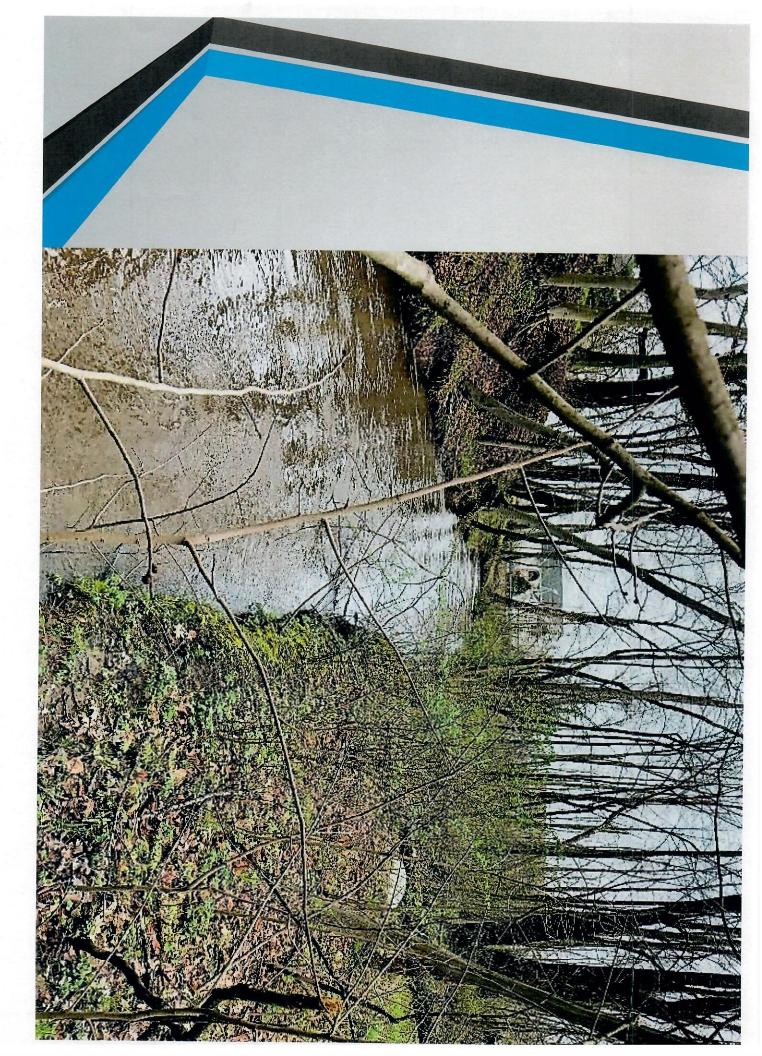
FLOODPLAIN RECLAMATION

- REMOVAL OF SPOILS TO ALLOW FLOWS TO ENTER FLOODPL,
- REMOVAL OF SEDIMENT IN MAIN CHANNEL AFTER FIRSTYEA
- KEEP MAJORITY OF SEDIMENT FROM ENTERING THE LAKE
- PRELIMINARY ESTIMATE OF COST
- INITIAL CONSTRUCTION \$15k to 20k SPOIL REMOVAL
- ANNUAL MAINTENANCE \$15k to 20k SEDIMENT REMOVAL





(COST SHARE WITH CONDOMINIUM ASSOCIATION)



STORM SEWER RUNOFF TREATME

- COMPLETE AN ASSET MANAGEMENT PLAN OF THE CATCHBASINS SEWERS
- INSTALL VORTEX/CDS UNITS AT STRATEGIC LOCATIONS
- CLEAN OUT THE CATCH BASINS
- PREPARE A LONG TERM MAINTENANCE PLAN
- COORDINATE WITH THE COUNTY DRAIN COMMISSIONER AND COL DEPARTMENT
- PRELIMINARY ESTIMATE OF COST
- INITIAL ASSET MANAGEMENT PLAN AND INSTALLATION OF CLEANING U \$100k to \$120k
- YEARLY MAINTENANCE AND CLEANING \$20k to \$40k





