

### **AGAMING DRAIN**

- Application to establish new Drainage District from residents received in September 2022 & also from Rutland Twp. in October 2022
- Tentative Board of Determination set for January 12, 2023
- If BOD approves petition then easement acquisition and design would take place in Spring & Summer 2023 with possible construction in the Fall of 2023

### **CANTERBURY LAKE DRAIN**

- Easement acquisition complete.
- Final scope approved by BCDC.
- EGLE permit submitted.
- Expected bid date: April 2023.

### **CASTLETON-WOODLAND DRAIN**

- Several easements remain unsigned in order to turn over private branch drain to BCDC and make it part of the overall drain system
- Easement acquisition expected to resume in January 2023
- EGLE Permit required for improvement work to the current private branch drain (if easements are received to turn it over to the BCDC)
- Construction anticipated Fall 2023 or Spring 2024

### **CHASE**

- Chase Drain bid opening took place on December 6, 2022.
- Low Bid: Jackson Dirt Works at \$324,739.00.
- Day of Review of Apportionments: January 4, 2023. No Appeals received.
- Expected Construction Start Date: February 2023.

### **CLOVERDALE DRAIN**

- Construction completed in November 2021
- Project received 2022 Innovation & Excellence Award from Michigan Assoc. of County Drain Commissioner's
- Required EGLE monthly monitoring work is ongoing and will continue through 2026

### **CRYSTAL LAKE**

- Bathometric survey done
- Sampling done
- Do not need contaminate testing
- Need to submit agenda request for resolution to exceed 10k per year

### **DUNCAN LAKE**

- Conduct soil borings – January 2023
- Conduct additional topographic survey in Kent County – January 2023
- Conduct Preliminary Engineering Design – Winter 2023
- Submit EGLE permit – Spring 2023

### **DUNCAN LAKE NO. 2 DRAIN**

- Bid opening on December 8, 2022
- Day of Review held January 2023. No Appeals

- Contract award in February 2023
- Financing in March 2023
- Financing and construction work being done in conjunction with Road Commission paving of Noffke Drive
- Anticipated construction of detention basin to start in February/March 2023
- New overflow relief drain along Noffke Drive to be built in Spring 2023
- Remaining construction work to be done in Spring and early Summer of 2023
- Final project completion set to be completed by the end of July 2023

#### **GARBOW DRAIN**

- Scope Currently under review by BCDC.
- Easement review started

#### **McARTHUR**

- All required easements for the McArthur Drain have been acquired.
- Project currently being reviewed by BCDC to determine final scope of work prior to bid process.
- Expected bid date: February 2023

#### **MEADOW LANE**

- Survey complete
- Design complete
- Easement acquisition 95% complete (one easement remaining)
- Bidding documents complete in November 2022
- Bidding in Spring 2023
- Administrative period (Day of Review of Apportionments) thru February 2023
- Anticipated construction start Summer/Fall 2023

#### **PAYNE LAKE**

- Scope currently under review by MDOT.

#### **PINE LAKE** The Pine Lake Lake Level project is ongoing:

- Several staff gauges have been placed around Pine Lake for landowners to view the elevation of the Pine Lake. The staff gauges are shown in feet on the NAVD 88 Datum.
- The EGLE Permit has been approved and has been provided to the BCDC for countersignature.
- Test pumping planned Spring 2023
- Pine Lake legal lake level questionnaires have been returned to the Drain Office –
  - 650 sent out. 292 returned. Some questions not answered.
  - For the 890.5 normal legal lake level - 88 said yes. 198 said no.
  - 162 people stated no drain, leave it to Mother Nature. Etc.
  - 130 stated other responses.

#### **PRICE DRAIN**

- Easement acquisition underway

#### **SHALLOW LAKE DRAIN**

- All but one easement has been obtained/returned. Still waiting on one easement for near downstream culvert crossing
- EGLE Permit Application is still being reviewed by EGLE
- Initial clearing and maintenance work done at the outlet from Shallow Lake in 2021
- Design is completed. Once EGLE Permit is received then bidding and construction will commence, anticipated in Spring or Summer 2023. Anticipated 2-3 weeks of construction.

### **THORNAPPLE NO. 1 DRAIN**

- Inspected the Drain and provided proposal for maintenance work in October 2022
- Drainage District was updated from 1950's initial district. Approx. 19,500 acres with 1,250 properties
- Twp./Village approved Spending Resolution maintenance of the 7.5 mile Drain system would started in Winter 2022/2023 and finish by Summer 2023

### **WATSON DRAIN**

- Construction currently underway. Overall approximately 80% complete. All forcemain and intake pipes were installed in 2022.
- Pump house building construction is ongoing with Bldg #10 approximately 95% completed and Bldg #20 approximately 75% complete
- Electric service hookup work is done for both buildings
- Once electric service is completed, the pumps can be started and the system operational.
- Complete system operation is expected by Spring 2023 to counteract rising water levels anticipated from spring rains and winter snow melt
- Begin pumping in 2023 based upon requirements and levels established in EGLE Permit for the project
- EGLE Permit received for branch drain work north of Pleasant Lake for three different equalization culverts under North Shore Drive and North Bay Rd.
- Required EGLE monthly monitoring work is ongoing and will continue through 2026

### **WOLCOTT DRAIN**

- Survey complete
- Wetland delineation 90% complete
- Easement acquisition 25% complete
- Design 30% complete
- EGLE permitting in Spring/Summer 2023
- Bidding in Fall 2023
- Anticipated construction in Winter of 2023

### **PART 307 LAKE LEVEL PERMITS**

#### **Long Lake**

- Circuit Court set legal lake level in October 2021
- EGLE Permit submitted in May 2022 to receive permit to install lake level control mechanism on the box culvert under North Shore Drive at the north end of Long Lake
- EGLE Permit is currently out for Public Notice to all lakefront properties
- Once EGLE Permit is received, BCDC to install the lake level control mechanism in Winter/Spring of 2023 and the lake will be following the court ordered levels going forward from that point

#### **Cloverdale Chain-of-Lakes**

- All items completed for final report of legal lake level needed in order for a hearing in Barry Co. Circuit Court to establish legal lake level
- Drain Commissioner and Engineer have met with Healthy Waters Alliance (HWA - Cloverdale Chain-of-Lakes Homeowners Association) twice in 2022 to talk about proposed water levels in 2021 & 2022
- HWA has asked BCDC to set new lake level markers in the Spring of 2023 and to monitor flows into and out of the Lake system once pumping from the Watson Drain begins in 2023
- Current plan is to wait until end of 2023 to proceed forward with Circuit Court hearing to establish legal lake level

#### *Pleasant & Mud Lakes*

- Met with EGLE in October 2022 to review proposed lake level process and impending June 2023 permit expiration
- Lake level markers and questionnaires were sent out in Summer 2022 to get feedback on proposal lake levels
- Environmental field work is completed and final report is 75% complete in order to hold a hearing in Barry Co. Circuit Court to establish legal lake level
- Applied for EGLE permit to install new lake level control structure on culvert under Floria Rd.
- Hearing to establish legal lake level in Barry Co. Circuit Court anticipated in 2023 after final report and EGLE permit for the control structure and received