

# Black Creek Consolidated Drain Pre-Bid Meeting



**Pre-Bid Meeting**

**July 9, 2020**

**Brenda Moore, Drain Commissioner**

**Stephanie Barrett, Deputy Drain Commissioner**

# Black Creek Consolidated Drain Pre-Bid Meeting



## GENERAL REVIEW OF WORK & TIMELINE

## BIDDING OVERVIEW

*Bid Opening – Monday, July 20, 2020*

**Divisions 1-4 Bids Due: 12:30 PM**  
**Divisions 5-8 Bids Due: 2:00 PM**  
**Divisions 9-12 Bids Due: 3:30 PM**

## BID OPENING TIMES VIA ZOOM

**Division 1: 1:00 PM**  
**Division 2: 1:10 PM**  
**Division 3: 1:20 PM**  
**Division 4: 1:30 PM**

**Division 5: 2:30 PM**  
**Division 6: 2:40 PM**  
**Division 7: 2:50 PM**  
**Division 8: 3:00 PM**

**Division 9: 4:00 PM**  
**Division 10: 4:10 PM**  
**Division 11: 4:20 PM**  
**Division 12: 4:30 PM**

# Black Creek Consolidated Drain Pre-Bid Meeting



## GENERAL REVIEW OF WORK & TIMELINE

## BIDDING OVERVIEW

<b>Tentative Start Date:</b>	<b>Fall 2020</b>
<b>Substantial Completion:</b>	<b>October 1, 2021</b>
<b>Final Completion:</b>	<b>October 29, 2021</b>

- Plans & Specs
- Bid Security (5%)
- Questions regarding Bid Documents
- Maintenance & Work Warranty
- Liquidated Damages (\$500 per day)
- Addendum
- Bid Hold Period – 120 Days
- Bond & Insurance – Payment & Performance Bonds

# **Black Creek Consolidated Drain Pre-Bid Meeting**



## **GENERAL REVIEW OF WORK**

### **UTILITY COMPANIES & AGENCIES INVOLVED:**

- **Muskegon County Road Commission**
- **MDOT Muskegon County TSC**
- **Casnovia Township**
- **Moorland Township**
- **Ravenna Township**
- **Sullivan Township**
- **Muskegon County Wastewater Management System**
- **Consumers Energy**
- **DTE Energy**
- **Comcast Communications**
- **Frontier Communications**

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## Specific Issues:

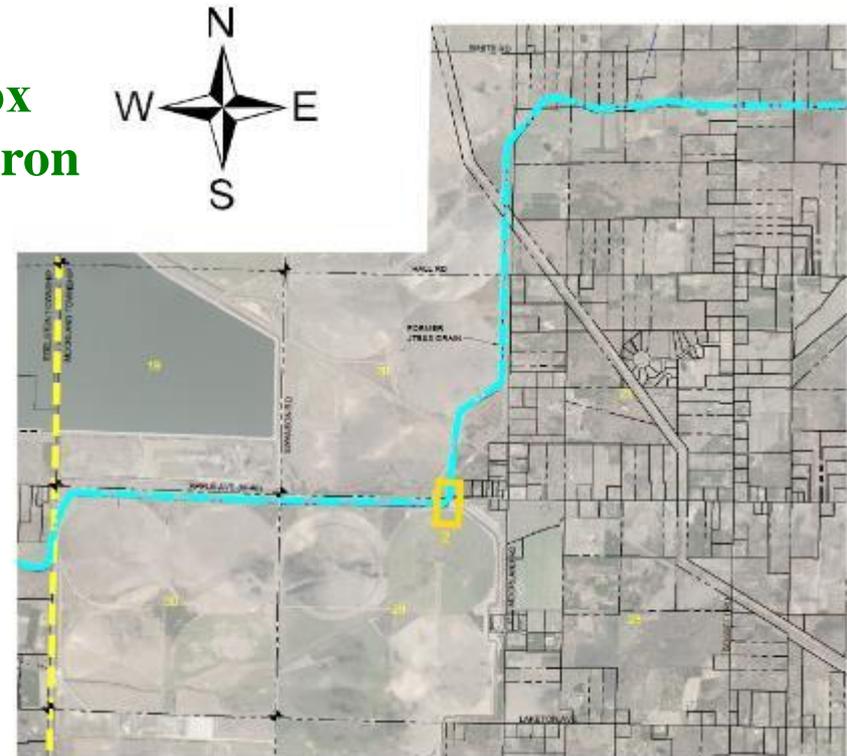
- **Qualifications/Experience Requirements**
- **Easements**
- **Access**
- **Spoil Locations**
- **Sequencing**
- **EGLE Permits**
- **MDOT Permit**
- **County Road Permit & Detours**
- **Public Relations & Homeowner Issues**
- **Working on existing roadways**
- **SESC**

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## DIVISION #1 OVERVIEW:

- E Apple Ave (M-46) Box Culvert removal and replacement
- 88 LF of 14' x 8' Precast Conc. Box Culvert w/ wingwall, headwall, apron and cutoff wall
- 4" to 8" Cobblestone Bottom w/ Precast Conc Dams
- HMA roadway restoration

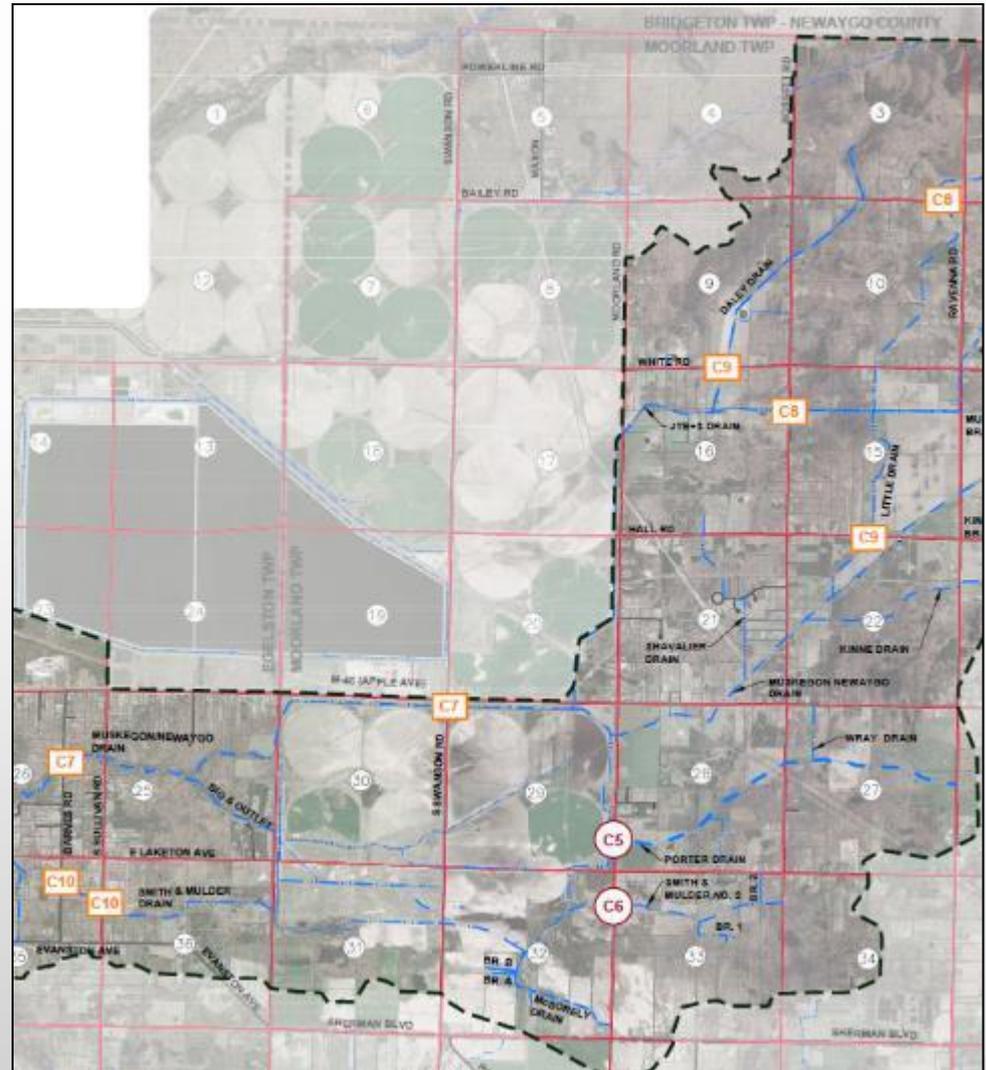




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## DIVISION #2 OVERVIEW:

- 10 County Road Crossing Replacements
  - 9 RCP Box Culvert Installations
  - 1 CMP Arch Installation
- Roadway Restoration
- 1080 SY Riprap
  - 380 SY Heavy
  - 700 SY Plain



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## DIVISION #3 OVERVIEW

### FORMER MUSKEGON-NEWAYGO DRAIN & BIG & OUTLET DRAIN OVERVIEW:



- 4.2 miles of Channel Vegetation and Deadfall Removal

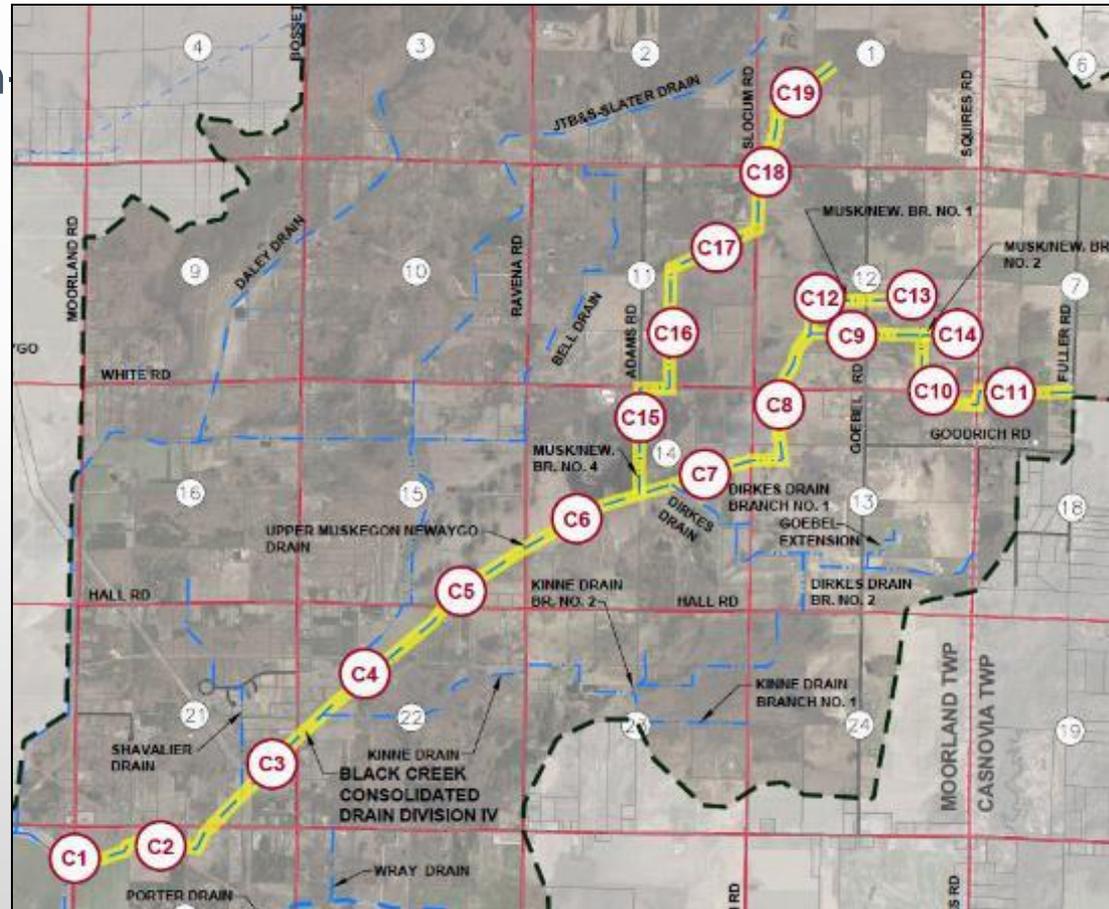




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## DIVISION #4 OVERVIEW:

- Former (Upper) Muskegon Newaygo Drain
- 32,355 LF Open Channel Cleanout w/ Streambank Stabilization
- Goebel Road Culvert Replacement
  - 48 LF 72-inch CMP
  - Roadway Restoration
- 6 Private Crossing Replacements
- 1,750 SY Plain Riprap
- 670 SY Bioengineering Stabilization
- 6 Culvert Removals



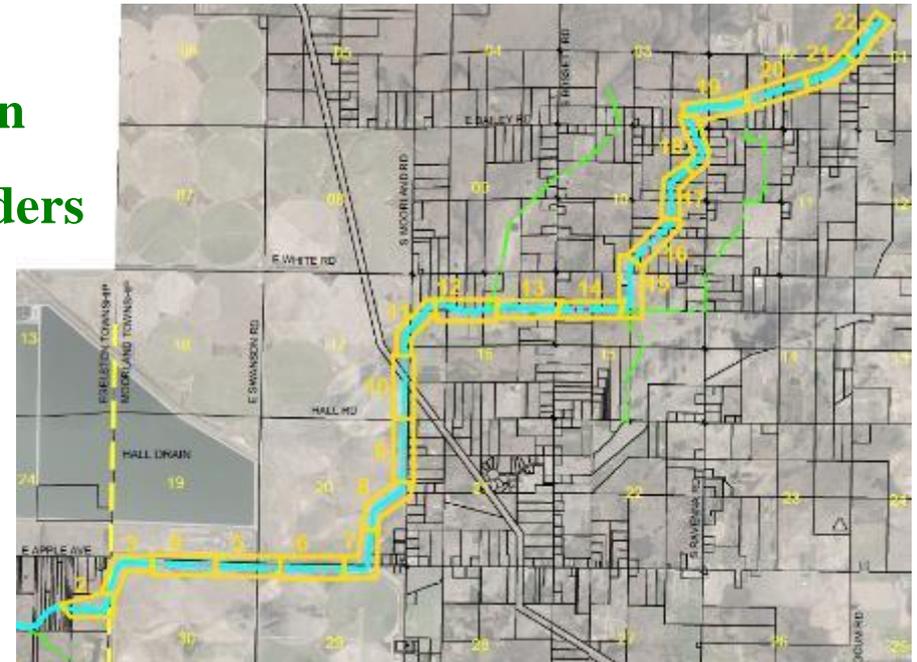
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## DIVISION #5 OVERVIEW

### FORMERLY MUSKEGON-NEWAYGO DRAIN & JTB&S DRAIN:

- 8.95 miles of Drain
- Open Drain Cleanout & Construction
- Two-Stage Channel & Stream Meanders
- Brush & Woody Vegetation Removal
- Bank Stabilization
- In-stream BMPs
- Various Culvert Replacements



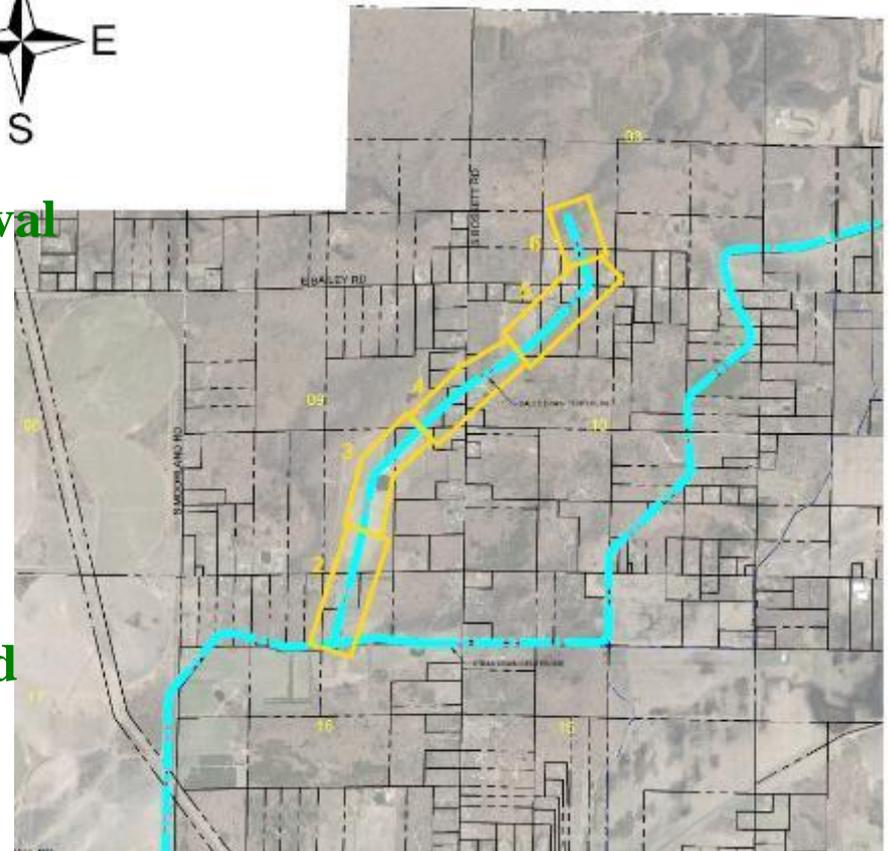
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## DIVISION #6 OVERVIEW

### FORMER DALEY DRAIN

- Open Drain Cleanout
- Brush & Woody Vegetation Removal
- In-stream BMP's
- Foot Bridge & Fence Removals
- Bank Stabilization & Coir Logs at Select Locations
- Culvert Replacements at Bailey Rd and Bossett Rd



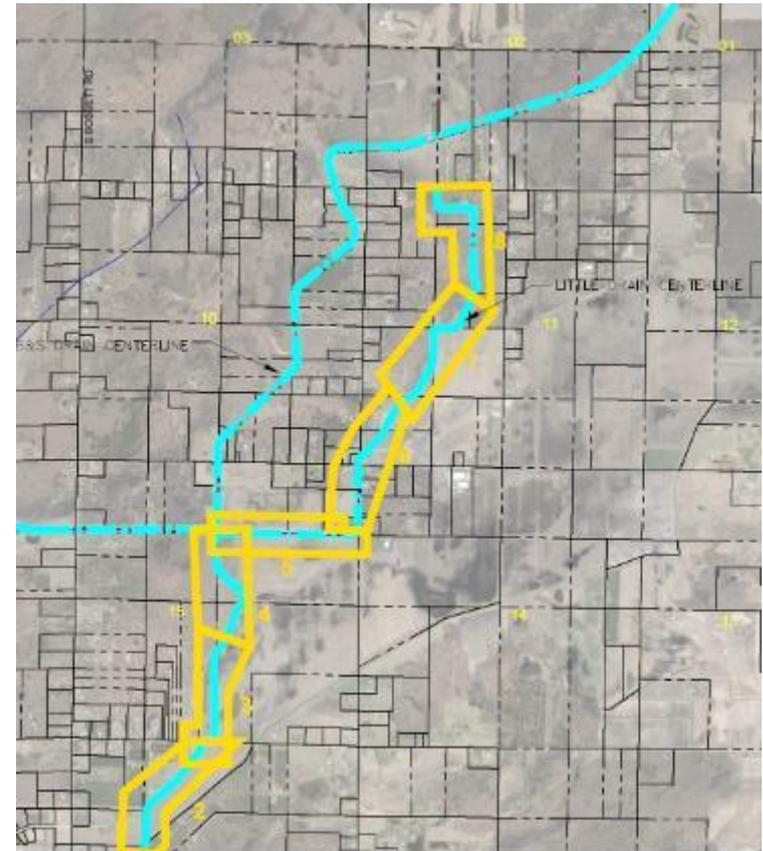
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## DIVISION #7 OVERVIEW

### FORMER LITTLE DRAIN & BELL DRAIN

- 2.10 miles of Open Drain Cleanout & Construction
- Bank Tapering
- In-stream BMP's
- Various Private Culvert Replacements
- Culvert Replacement at Ravenna Rd & White Rd

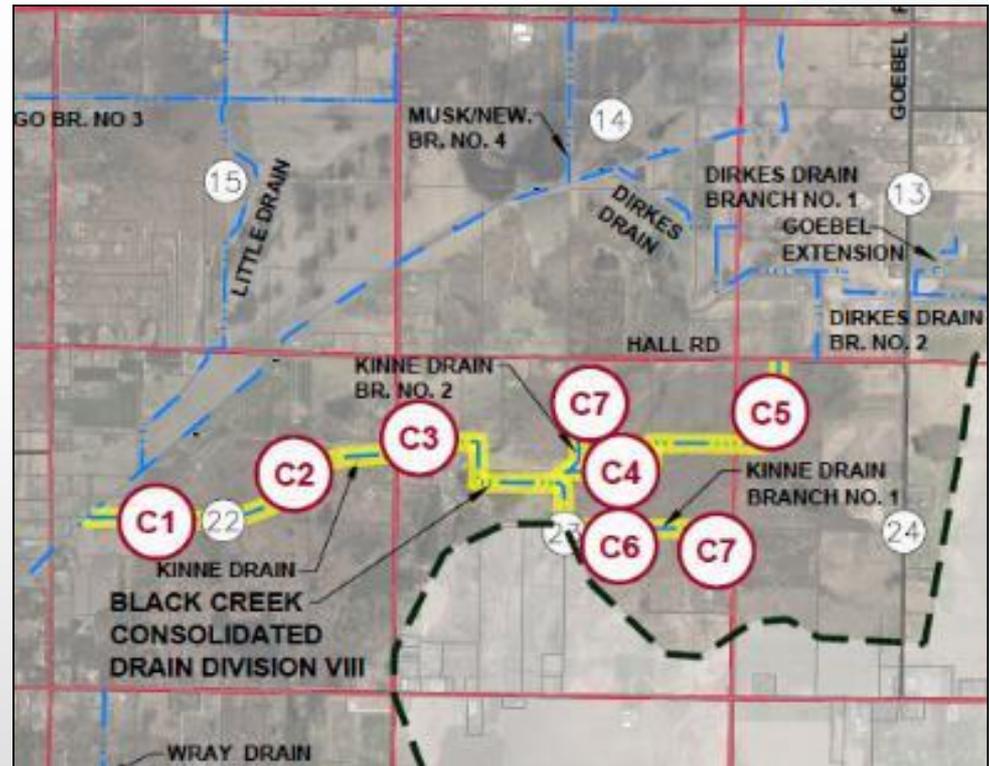




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## DIVISION #8 OVERVIEW

- Former Kinne Drain
- 13,162 LF Woody Debris Management
- 3,680 LF Open Channel Cleanout w/ Streambank Stabilization
- 2 Private Crossing Replacements & Restoration
- 230 SY Plain Riprap

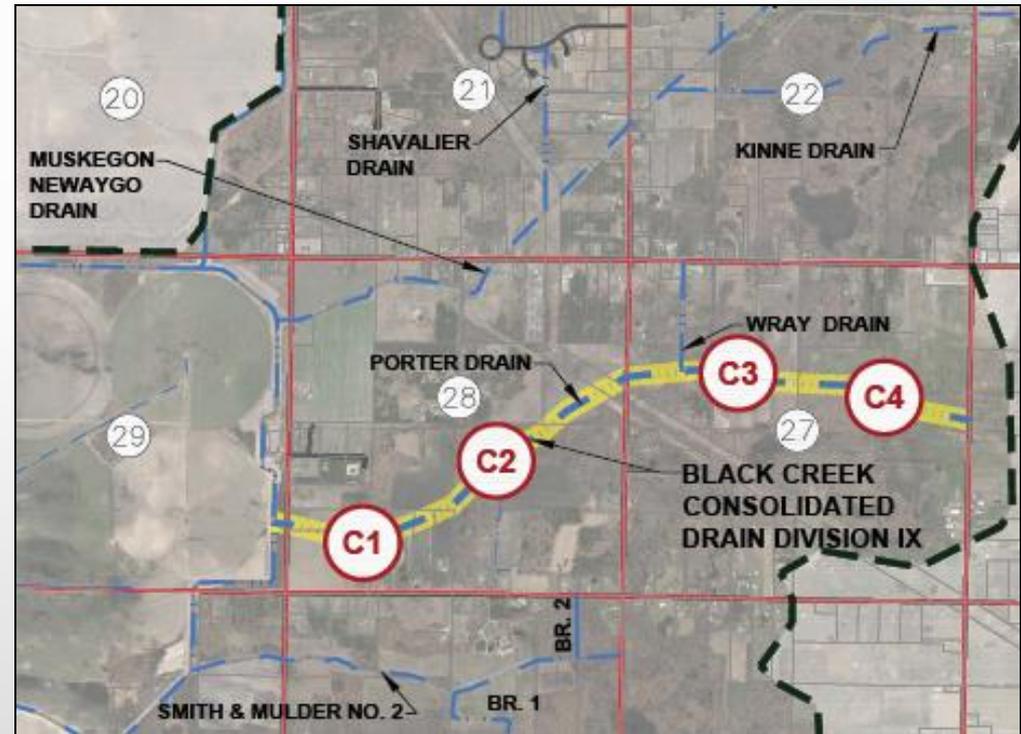




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## DIVISION #9 OVERVIEW

- Former Porter Drain
- 8,112 LF Open Channel Excavation w/  
Streambank Stabilization
- 2,480 LF Woody Debris Management
- 2 Private Crossing Replacements &  
Restoration
- 330 SY Plain Riprap
- 1 Footbridge Removal



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## DIVISION #10 OVERVIEW

### FORMER SMITH & MULDER and HH& G DRAIN

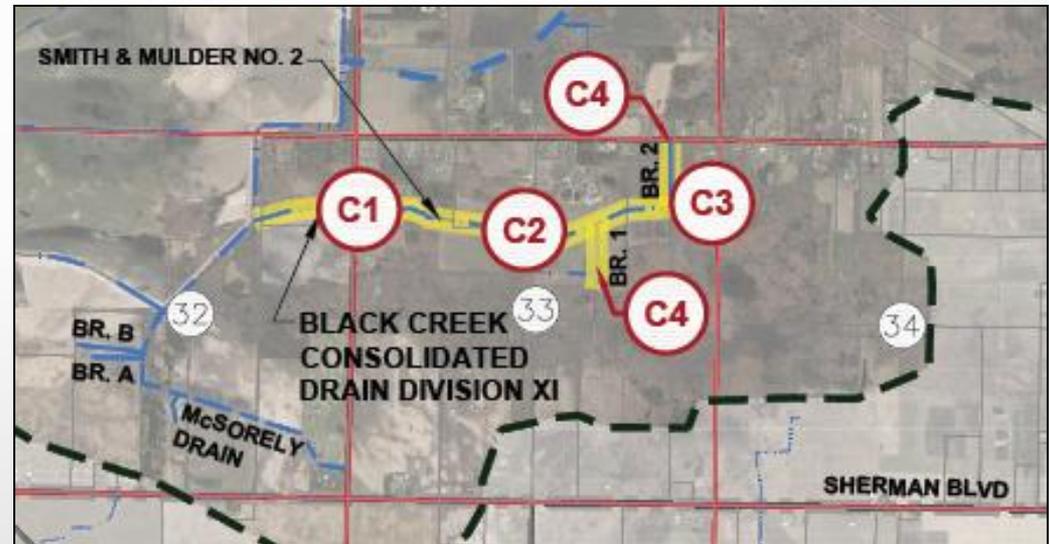
- 3.95 miles of Drain
- Open Drain Cleanout & Construction
- Brush & Woody Vegetation Removal
- In-stream BMP's
- Various Private Culvert Replacements



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## DIVISION #11 OVERVIEW

- Former Smith & Mulder No. 2 Drain
- 6,635 LF Open Channel Excavation w/ Streambank Stabilization
- 817 LF 2-Stage Open Channel Construction
- 1,300 LF Woody Debris Management
- 2 Private Crossing Replacements & Restoration
- 380 SY Plain Riprap



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## DIVISION #12 OVERVIEW

### SMITH & MULDER NEW BRANCH DRAIN

- Open Drain Construction w/ Two-Stage Channel
- 12” to 18” Dual Wall HDPE & 12” to 24” RCP Storm Sewer
- Manholes & Catch Basins
- Driveway Culvert & Approach Replacement
- HMA Roadway & Curb & Gutter Replacement



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Questions

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