



**OFFICE OF THE CALHOUN COUNTY WATER RESOURCES COMMISSIONER**

**BARNUM LAKE DRAIN**

**NOTICE OF LETTING AND DAY OF REVIEW OF DRAINAGE DISTRICT BOUNDARIES  
AND DAY OF REVIEW OF APPORTIONMENTS**

**NOTICE OF LETTING**

**DATE:** Friday, December 4, 2015  
**TIME:** 9:00 a.m. – 2:00 p.m.  
**LOCATION:** Office of the Calhoun County Water Resources Commissioner,  
315 West Green Street  
Marshall, Michigan 49086  
**QUESTIONS:** (269) 781-0790

The Calhoun County Water Resources Commissioner will meet on the above date, time and location to receive construction bids for the Barnum Lake Drain. Bids will then be opened and publicly announced.

The Barnum Lake Drain will be let in three section(s) as follows, each section having the length, average depth and width as set forth:

**Contract A – D Drive Crossing Replacement Portion:**

The road crossing of D Drive South and Barnum Lake Drain will be replaced. The existing steel beam and concrete deck structure will be removed. The replacement structure will consist of a 40 foot long by 18 foot wide precast 3-sided concrete culvert including 46 timber piles, reinforced concrete footing, coffer dams, pavement restoration, and guardrail.

**Contract B – Pipe Portion:**

Beginning at the lower end of a tributary reach to the Barnum Lake Drain approximately 1600 feet downstream of the D Drive South crossing, being Station 36+00 of this reach and extending to Station 21+00 consisting of a watercourse with no work proposed. Then continuing from Station 21+00 to Station 18+19 consisting of a wetland with no work proposed. Then continuing from Station 18+19 to Station 17+87 consisting of riprap. Then continuing from Station 17+87 to Station 14+00 consisting of a 30” diameter dual wall corrugated plastic pipe with an average depth of 15 feet. Then continuing from Station 14+00 to Station 3+15 consisting of a 30” diameter dual wall corrugated plastic pipe with an average depth of 8 feet. Then continuing from Station 3+15 to Station 2+20 consisting of a 18” diameter dual wall corrugated plastic pipe with an average depth of 4 feet.

**Contract C – Maintenance Portion:**

Beginning at the lower end of a portion of the Barnum Lake Drain specifically at the inlet of Graham Lake, being Station 0+00 of the referenced plan set and extending to Highway M-66, being Station 17+00, consisting of hand removal of deadfall trees. No work will take place from Station 17+00 to

Station 48+00. Then continuing from Station 48+00 to 4 Mile Road, being Station 67+50, consisting of hand removal of deadfall trees and dead trees standing near the drain. No work will take place from Station 67+50 to Station 76+00. Then continuing from Station 76+00 to Station 77+00, consisting of slope stabilization by use of brush wattles. No work will take place from Station 77+00 to Station 88+00. Then continuing from Station 88+00 to Station 102+00, consisting of hand removal of deadfall trees. No work will take place from Station 102+00 to Station 124+00. Then continuing from Station 124+00 to Station 126+00, consisting of hand removal of deadfall trees. No work will take place from Station 126+00 to Station 136+00. Then continuing from Station 136+00 to D Drive South, being Station 153+00, consisting of mechanical removal of deadfall trees and sediment within the drain and spoiling within the drainage easement, also including access to the work. No work will take place from 153+00 to the upper end at Station 169+00, Sonoma Lake.

All stations are 100 feet apart.

In the construction of the Drain, the following quantities for tile or pipe will be necessary and contracts will be let for same. The following quantities are approximate and final payment will be made on measured quantities.

**CONTRACT A:**

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>ESTIMATED QUANTITY</b>
1	Mobilization	LS	1
2	Traffic Control	LS	1
3	Road Permit	LS	1
4	Soil Erosion and Sedimentation Control	LS	1
5	Erosion Control Blanket	SYD	620
6	Clearing	ACRE	0.1
7	Strip and Stockpile Topsoil	SYD	660
8	Cold Milling	SYD	45
9	Pavement Removal	SYD	226
10	Structure Removal	LS	1
11	Remove Signage	EA	4
12	Remove Guardrail	FT	311
13	Earth Excavation (cut)	CYD	360
14	Drain Dipping	STA	1
15	Machine Grading, Modified	STA	1
16	Coffer Dam	LS	1
17a	Timber Pile, Equipment	LS	1
17b	Timber Pile, Test Pile	EA	2
17c	Timber Pile, Furnished	FT	1640
17d	Timber Pile, Driven	FT	1474
18	Reinforced Concrete, Structural	CYD	53
19	Special Backfill	CYD	345
20	Dewatering, Stream	LS	1

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>ESTIMATED QUANTITY</b>
21	Precast Concrete 3-Sided Culvert	FT	40
22	Culvert Wingwalls, Steel Sheeting	LS	1
23	Riprap	SYD	65
24	Aggregate Base, 22A 8"	SYD	226
25	Hot Mix Asphalt (HMA) Pavement	TON	100
26a	Guardrail, Type T	FT	200
26b	Guardrail, Type B	FT	362.5
26c	Guardrail, Terminus	EA	4
27	Pavement Markings	FT	309
28	Turf Establishment	SYD	620

**CONTRACT B:**

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>ESTIMATED QUANTITY</b>
1	Mobilization	LS	1
2	Traffic Control	LS	1
3	Soil Erosion and Sedimentation Control	LS	1
4	Erosion Control Blanket	SYD	736
5	Tree Removal	EA	38
6	Strip and Stockpile Topsoil	SYD	5150
7	Misc Rubble Removal	CYD	55
8	Remove and Replace Fence	FT	75
9	Drain Establishment	FT	254
10	Machine Grading, Modified	STA	3
11	Existing Pipe Tie-In	EA	1
12	Special Backfill	CYD	1059
13a	Storm Manhole, 48"	EA	1
13b	Storm Manhole, 60"	EA	5
13c	Storm Manhole, 72"	EA	2
14a	Storm Sewer, 12" CPE	FT	54
14b	Storm Sewer, 18" PCPE	FT	96
14c	Storm Sewer, 30" CPE	FT	510
14d	Storm Sewer, 30" PCPE	FT	962
15a	End Section, 12" CSP	EA	4
15b	End Section, 30" CSP	EA	1
16	Riprap	SYD	67
17	Aggregate Base	SYD	533
18	Maintain Gravel	LS	1

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>ESTIMATED QUANTITY</b>
19a	Turf Establishment, Lawn	SYD	3500
19b	Turf Establishment, Field	SYD	1650

**CONTRACT C:**

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>ESTIMATED QUANTITY</b>
1	Mobilization	LS	1
2	Soil Erosion and Sedimentation Control	LS	1
3	Clearing	AC	1
4	Tree Removal	EA	8
5	Deadfall Removal	EA	55
6	Temporary Access	STA	17
7	Drain Dipping and Cleaning	STA	17
8	Slope Stabilization, Detail 1	FT	100

One bridge is required as part of the project.

This Notice of Letting, the plans, specifications and bid proposal shall be considered a part of the Contract. The Contract will be let in accordance with the Contract Documents now on file at the Office of the Calhoun County Water Resources Office and available to interested parties. Bids will be made and received in accordance with these documents. Bidding Documents, including plans and specifications, may be examined at the following locations:

Civil Engineers, Inc.  
14250 Beadle Lake Road, Suite 150  
Battle Creek, Michigan 49014  
(269) 962-5127

Calhoun County Water Resources Commissioner's Office  
315 West Green Street  
Marshall, Michigan 49068  
(269) 781-0790

Copies of Bidding Documents may only be obtained from Civil Engineers, Inc. upon payment of a \$35.00 non-refundable deposit for Contract A, \$30.00 for Contract B, \$30.00 for Contract C, or \$95.00 for Contracts A, B and C. An additional non-refundable charge of \$20.00 will be required for sending out Bidding Documents.

A 5% security deposit in the form of a bank money order, certified check or bidders bond shall be submitted with any bids. No cash will be permitted. The security deposits of all unsuccessful bidders shall be returned after the Contract is awarded.

The Contract will be awarded to the lowest responsive and responsible bidder giving adequate security for the performance of the work and meeting all conditions represented in the Instructions to Bidders. The Contract completion date and the terms of payment will be announced at the time and place of letting. If no satisfactory bids are received, we reserve the right to reject any and all bids and to adjourn to a time and location as we shall announce.

**DAY OF REVIEW OF DISTRICT BOUNDARIES**

**DATE:** Thursday, December 17, 2015  
**TIME:** 9:00 a.m. to 5:00 p.m.  
**LOCATION:** Office of the Calhoun County Water Resources Commissioner  
315 West Green Street  
Marshall, Michigan 49068  
**QUESTIONS:** (269) 781-0790

The Day of Review is an opportunity to review the Barnum Lake Drain Drainage District boundaries. A map of the proposed Drainage District boundary revisions can be found on the Calhoun County Water Resources Commissioner’s website at: [www.calhouncountymi.gov/government/water\\_resources/](http://www.calhouncountymi.gov/government/water_resources/).

A general description of the lands by section number proposed to be added or deleted from the Drainage District as recommended by a licensed professional engineer or surveyor for the Drain is as follows:

<b>Drain Name</b>	<b>Municipalities</b>	<b>Portions of Sections Added</b>	<b>Portions of Sections Removed</b>
Barnum Lake Drain	Emmett Township	31, 32, 33, 34, 35	
	Newton Township	3, 4, 5, 6, 7, 8, 9, 10, 16	
	Leroy Township	1, 2, 9, 13, 16, 17, 20, 21, 22,	2, 3, 9, 12, 13 17, 18, 21, 22,
	City of Battle Creek	36	

The Water Resources Commissioner, engineers and/or other staff members will be available to assist individuals throughout the day, and make revisions where necessary. There is no need to schedule an appointment for a specific time on the Day of Review.

Persons with disabilities needing accommodations for effective participation in the Day of Review should contact the Water Resources Commissioner’s Office at the number noted above (voice) or through the Michigan Relay Center at 7-1-1 (TDD) at least 24 hours in advance of the Day of Review to request mobility, visual, hearing or other assistance.

You may appeal the Water Resources Commissioner’s decision to revise the district boundary to the Calhoun County Circuit Court within ten (10) days.

**DAY OF REVIEW OF APPORTIONMENTS**

**DATE:** Thursday, December 17, 2015  
**TIME:** 9:00 a.m. to 5:00 p.m.  
**LOCATION:** Office of the Calhoun County Water Resources Commissioner  
315 West Green Street  
Marshall, Michigan 49068  
**QUESTIONS:** (269) 781-0790

The Calhoun County Water Resources Commissioner will hold a Day of Review of Apportionments on the above date, time and location.

The Day of Review is an opportunity to review the tentative apportionment of benefit for each parcel and municipality within the Drainage District.

The Water Resources Commissioner, engineers and/or other staff members will be available to assist individuals throughout the day, and make revisions where necessary. There is no need to schedule an appointment for a specific time on the Day of Review. The computation of costs for the Drain will also be available at the Day of Review. Drain assessments are collected in the same manner as property taxes and will appear on your winter tax bill. If drain assessments are being collected for more than one (1) year, you may pay the assessment in full with any interest to date at any time and avoid further interest charges.

Persons with disabilities needing accommodations for effective participation in the Day of Review should contact the Water Resources Commissioner's Office at the number noted above (voice) or through the Michigan Relay Center at 7-1-1 (TDD) at least 24 hours in advance of the Day of Review to request mobility, visual, hearing or other assistance.

You may appeal the Water Resources Commissioner's determination of apportionments to the Calhoun County Probate Court within ten (10) days.

The following is a condensed description of the land constituting the Barnum Lake Drain Drainage District. The description of area that is served by the Barnum Lake Drain consists of lands situated in Sections 27-28 & 31-35 of Emmett Township, T.2 S.-R.7 W.; Sections 2-10, and 16-17 of Newton Township, T.3 S.-R.7 W.; Sections 1-4, 9-18, 20-23, and 27-28 of Leroy Township, T.3 S.-R.8 W.; and Section 36 of the City of Battle Creek, T.2 S.-R.8 W., in Calhoun County, Michigan.

**Emmett Township – T.2 S.-R.7 W.**

In Section 27 – The South  $\frac{1}{4}$  of Southwest  $\frac{1}{4}$  of the Section.

In Section 28 – The South  $\frac{1}{2}$  of the Southeast  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Section.

In Section 31 – The South  $\frac{1}{2}$  and the South  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of the Section.

In Section 32 – The South  $\frac{3}{4}$  and the South  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of the Northwest  $\frac{1}{4}$  of the Section.

In Section 33 – The South  $\frac{1}{2}$  of the Northeast  $\frac{1}{4}$  and the South  $\frac{1}{4}$  of the Northwest  $\frac{1}{4}$  of the Section.

In Section 34 – The Entire Section.

In Section 35 – The West  $\frac{1}{4}$  of the Section.

**Newton Township – T.3 S.-R.7 W.**

In Section 2 – The West  $\frac{1}{4}$  of the North  $\frac{3}{4}$  of the Section.

In Section 3 – The North  $\frac{1}{2}$  and the North  $\frac{1}{2}$  of the Southeast  $\frac{1}{4}$  and the Southwest  $\frac{1}{4}$  of the Section.

In Section 4 – The Entire Section.

In Section 5 – The Entire Section.

In Section 6 – The Entire Section.

In Section 7 – The North  $\frac{1}{2}$  and the North  $\frac{1}{2}$  of the Southwest  $\frac{1}{4}$  and the Southeast  $\frac{1}{4}$  of the Section.

In Section 8 – The Entire Section.

In Section 9 – The North  $\frac{1}{2}$  and the Southwest  $\frac{1}{4}$  and the West  $\frac{1}{2}$  of the Southeast  $\frac{1}{4}$  of the Section.

In Section 10 – The West  $\frac{1}{2}$  of the Northwest  $\frac{1}{4}$  of the Northwest  $\frac{1}{4}$  of the Section.

In Section 16 – The North  $\frac{1}{2}$  of the Northwest  $\frac{1}{4}$  of the Section.

In Section 17 – The North  $\frac{1}{2}$  of the Northeast  $\frac{1}{4}$  of the Section.

**Leroy Township – T.3 S.-R.8 W.**

In Section 1 – The East  $\frac{1}{2}$  and the Southwest  $\frac{1}{4}$  and the South  $\frac{3}{4}$  of the Northwest  $\frac{1}{4}$  of the Section.

In Section 2 – The South  $\frac{1}{2}$  and the Southeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of the Section.

In Section 3 – The South  $\frac{1}{2}$  of the Southwest  $\frac{1}{4}$  and the South  $\frac{3}{4}$  of the Southeast  $\frac{1}{4}$  of the Section.

In Section 4 – The Southeast  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  and the Southeast  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Southwest  $\frac{1}{4}$  and the Southwest  $\frac{1}{4}$  of the Southwest  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Section.

In Section 9 – The South  $\frac{1}{2}$  and the Northeast  $\frac{1}{4}$  and the East  $\frac{1}{2}$  of the Northwest  $\frac{1}{4}$  of the Section.

In Section 10 – The Entire Section.

In Section 11 – The Entire Section.

In Section 12 – The North  $\frac{1}{2}$  and the Southwest  $\frac{1}{4}$  and the North  $\frac{1}{2}$  of the Southeast  $\frac{1}{4}$  and the Southwest  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Section.

In Section 13 – The Northwest  $\frac{1}{4}$  and the West  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  and the North  $\frac{1}{2}$  of the Southwest  $\frac{1}{4}$  and the North  $\frac{1}{2}$  of the Southwest  $\frac{1}{4}$  of the Southwest  $\frac{1}{4}$  of the Section.

In Section 14 – The Entire Section.

In Section 15 – The Entire Section.

In Section 16 – The Entire Section.

In Section 17 – The South  $\frac{1}{2}$  and the South  $\frac{1}{2}$  of the North  $\frac{1}{2}$  of the Section.

In Section 18 – The East  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  and the East  $\frac{1}{2}$  of the East  $\frac{1}{2}$  of the Southeast  $\frac{1}{4}$  of the Section.

In Section 20 – The North  $\frac{1}{2}$  and the East  $\frac{1}{2}$  of the Southeast  $\frac{1}{4}$  and the Northwest  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Section.

In Section 21 – The Entire Section.

In Section 22 – The North  $\frac{1}{2}$  and the Southwest  $\frac{1}{4}$  and the West  $\frac{1}{2}$  of the Southeast  $\frac{1}{4}$  and the North  $\frac{1}{2}$  of the Northwest  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Section.

In Section 23 – The North  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  and the West  $\frac{1}{2}$  of the Northwest  $\frac{1}{4}$  of the Northwest  $\frac{1}{4}$  of the Section.

In Section 27 – The North  $\frac{1}{4}$  of the Northwest  $\frac{1}{4}$  of the Section.

In Section 28 – The North  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of the Section.

**City of Battle Creek – T.2 S.-R.8 W.**

In Section 36 – The Southeast  $\frac{1}{4}$  and the Southwest  $\frac{1}{4}$  of the Southeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of the Section.

Calhoun County  
Emmett Township  
Leroy Township  
Newton Township  
City Of Battle Creek  
Michigan Department of Transportation

Dated: November 19, 2015

Christine Kosmowski  
Calhoun County Water Resources Commissioner