

AGENDA

Red Run Intercounty Drain Drainage Board Macomb and Oakland Counties

August 18, 2021 – 9:30 a.m.

Macomb County Public Works Office and Google Meet

1. Call meeting to order

Board Members:

Michael Gregg, Chair, Michigan Department of Agriculture and Rural Development

Candice Miller, Macomb County Public Works Commissioner

Jim Nash, Oakland County Water Resources Commissioner

2. Approval of the meeting agenda for August 18, 2021
3. Approval of Drainage District Board Meeting Minutes from June 16, 2021
4. Public Comment
5. Red Run Freedom Hill - Phase 1 update
 - a. Trail maintenance
 - b. Agreements
 - c. Review of project schedule
 - d. Bidding
6. Invasive species control update
7. Army Corps of Engineers inspection report
8. Present trial balance
9. Present for approval payment of invoices and reimbursement of the Drain Revolving Fund in the amount of \$12,556.73
10. Determine date of next meeting
11. Other business
12. Adjourn

Agenda Item No. 3

Board Meeting Minutes from
June 16, 2021

Minutes of the Meeting
of the Intercounty Drainage Board for the
Red Run Drain

June 16, 2021

A meeting of the Drainage Board for the Red Run Intercounty Drain was held via GoToMeeting on June 16, 2021 at 9:30 a.m.

Present: Michael Gregg, Chairperson and Deputy for Gary McDowell, Director of the Michigan Department of Agriculture and Rural Development; Candice Miller, Member and Macomb County Public Works Commissioner; and Jim Nash, Secretary and Oakland County Water Resources Commissioner.

Also Present: Representing the office of the Macomb County Public Works Commissioner: Brian Baker, Jeff Bednar and Danielle Devlin. Representing the office of the Oakland County Water Resources Commissioner: Anne Vaara, Steve Korth, Kelsey Cooke, Sara Rubino, George Nichols and Megan Koss. Others in attendance: Jamie Burton (Hubbell, Roth & Clark) and Tina Gasphshes (City of Warren).

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 9:31 a.m. The Chairperson made a brief statement regarding the ongoing COVID-19 pandemic and, as a result, the need for the meeting to be held virtually. He noted the meeting was being held electronically in accordance with PA 254 of 2020, per the state of emergency declared by Waterford Township, Michigan. Pursuant to the aforementioned, Commissioner Gregg indicated he was participating from Mason, Michigan, Commissioner Miller indicated she was participating from Clinton Township Michigan and Commissioner Nash indicated he was participating from Farmington Hills, Michigan.

2. Agenda.

Motion by Miller, supported by Nash, to approve the June 16, 2021 agenda as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

3. Minutes.

Motion by Nash, supported by Miller, to approve the minutes of the May 19, 2021 meeting.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

4. Public Comment.

None.

5. Insurance Policy Renewal.

Mr. Baker presented for consideration the insurance policy for renewal prepared by Nickel and Saph. He noted that the proposal was after a full marketing effort and it was recommended to continue with the current coverage offered by Argonaut, with a slight change to the deductible.

Motion by Miller, supported by Nash, to approve the insurance policy renewal and pay associated premiums as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

6. Freedom Hill – Phase 1 update.

Mr. Burton provided a brief update regarding Phase 1 of the Freedom Hill project. He summarized current and future Freedom Hill project tasks, indicating that plans and specifications were well underway and that draft EGLE permits were under review by staff. He noted that there were no new updates regarding Army Corps projects.

Motion by Nash, supported by Miller, to receive and file the Freedom Hill – Phase 1 update as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

7. Cost/Assessment update.

Mr. Nichols provided the Board with a copy of a detailed letter along with the preliminary assessment that was recently circulated to the communities. It was furthered that there hadn't been any contact from the communities in regard to the letter.

Motion by Miller, supported by Nash, to receive and file the assessment update as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

8. Review of Project Schedule, Bidding and Board Meetings.

Mr. Burton provided an overview of the preliminary schedule for meetings, project milestones, and bidding through the end of 2021.

Motion by Nash, supported by Miller, to receive and file the project, bidding and Board meetings schedule as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE
NASH: AYE

9. Trial Balance.

Mr. Nichols presented the Trial Balance report dated June 9, 2021 (as attached) indicating a net cash balance of \$62,189.20. Ms. Gaspshe indicated that Warren would be paying its assessment July 1, 2021. It was moved by Miller, supported by Nash, to receive and file the updated Trial Balance as provided.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

10. Invoices and Reimbursement of the Drain Revolving Fund.

A request for approval of payment of invoices and reimbursement of the Drain Revolving fund (as attached) in the amount of \$32,614.76 was presented. It was moved by Miller, supported by Nash, to approve payment of invoices and reimbursement of the Drain Revolving Fund.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

11. Next meeting.

The manner and location of the next meeting were discussed at length. It was indicated that Waterford Township's State of Emergency would be expiring at the end of June and that while currently still in effect, Clinton Township's State of Emergency would be revisited in the next few weeks. Considerations included conference room limitations for Oakland and Macomb, the fact that Macomb usually hosts all Chapter 21 Drain Board meetings for the remainder of the year starting in July and the ability to proceed fully in-person or in a hybrid capacity. After much discussion, it was decided that the August meeting would take place in a hybrid capacity wherein Macomb will host the Board members and any public wishing to attend in person, while also broadcasting the meeting (providing for two-way communication) in real-time to employees, contractors and the public.

Motion by Nash, supported by Miller, to proceed with the August 18, 2021 meeting in a hybrid format with Macomb to host the Board members and members of the public in person, and allowing employees, contractors and the public to participate virtually.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

12. Other Business.

None.

13. Adjourn.
Motion by Miller, supported by Nash, to adjourn June 16, 2021 meeting at 10:21 a.m.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

Next Regular Meeting: Scheduled for August 18, 2021 at 10 a.m. Due to the ongoing COVID-19 pandemic, the August meeting will be a hybrid format.




Jim Nash, Secretary
Red Run Intercounty Drain Drainage Board

STATE OF MICHIGAN)
)SS.
COUNTY OF OAKLAND)

I hereby certify that the foregoing is a true and complete copy of the minutes of the Red Run Intercounty Drain Drainage Board, at a meeting held on the 16th day of June, 2021 and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act being Act 267, Public Acts of Michigan, 1976, as may be amended from time to time and that the minutes were kept and will be or have been made available to the public as required by the Act.

IN WITNESS WHEREOF, I have hereunto affixed my official signature on this 21st day of June, 2021.



Jim Nash, Secretary
Red Run Intercounty Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

Freedom Hill – Phase 1 Update

Account of Project Standing

APS #: 8

Time Period: July 1, 2021 thru July 31, 2021

Prepared By: Nancy Kolinski

Date Issued: August 03, 2021

Project Task Summary:

Task 1 – Data Collection, Survey and Field Assessment – Complete

- Processed additional survey data

Task 2 – Soil Boring Analysis – Complete

Task 3 – Preliminary Plan Design – Complete

Task 4 - Final Design and Bid Documents – In Progress

- Continue preparation of bid specifications.
- Continued plan development
 - Cover Page
 - Stationing
 - Drain Cross-sections
 - Longitudinal profile
 - Sterling Relief planting information
 - Trail alignment
 - Trail details
 - Notes
- Technical team meeting on 07/26/2021

Task 5 – Project Coordination – In Progress

- Technical team meeting on 07/26/2021
- Sent APS No. 7

Focus of Efforts in Next Period:

- Finalize plan development and preparation of specifications.
- Facilitate agreements

Critical Decisions Made:

- N/A

Outstanding Critical Questions:

- N/A

Client Assistance Needed:

- N/A

Schedule Concerns

- N/A

Scope and/or Budget Concerns:

- N/A

Account of Project Standing

Red Run Drain Freedom Hill Supplemental Services

Project Task Summary:

Task 1 – Permitting- In Progress

- Coordinated SESC permitting agency requirements
- Submitted Joint Permit Application to EGLE
- Submitted USACE Section 408 Certification

Task 2 – Drainage District Assistance- In Progress

- Assisted with the development of Supplemental Agreements.
- Prepared easement drawings for temporary and permanent construction easements
- Working with MCDOR, Sterling Heights, MC Planning, and Consumers for agreements

Task 3 – Monitoring Assistance- In Progress

Task 4– Grant Reporting- In Progress

- Assisted with Six River Grant application for additional invasive species control funding

Task 5 – Meetings- No work requested under this task

Task 6 – USACE Phase 2 Coordination- No work requested under this task

Task 7 – Project Signage- No work requested under this task

Critical Decisions Made:

- N/A

Outstanding Critical Questions:

- Entity responsible for Trail Maintenance
- Agreements

Client Assistance Needed:

- Entity responsible for Trail Maintenance
- Agreements

Schedule Concerns

- N/A

Scope and/or Budget Concerns:

- N/A

Agenda Item No. 6

Invasive Species Control Update



CONSERVING, SUSTAINING, AND
CONNECTING NATURAL AREAS, LANDS,
AND WATERS THAT MAKE THE PLACES
WE LIVE SPECIAL.



Red Run Drain Treatment Report 2021 Poison hemlock, Canada thistle & Bull thistle

August 4, 2021

Introduction

In May, 2021 the Red Run Drain treatment contract for 2021-2022 was awarded to PLM Lake & Land Management or PLM. Later that month, the first round of invasive species treatments in 2021 took place. All treatments took place within the 330-acre Red Run Drain (RR) easement from Dequindre Road in the City Warren to Utica Road in Clinton Township. Additional treatments (outside of Red Run scope) will also take place within the 20-acre Freedom Hill (FH) project areas in Sterling Heights, the 12-acre Sterling Relief Drain (SR) parcel (East of Schoenherr Road to the Red Run Drain confluence) which includes the southern portion of the Bethesda Church property and also the Consumers Energy parcel between the Church and FH. The contract expires on December 31, 2022.

2021 Round 1 Treatment Summary

On May 27 and June 3, 2021 PLM performed invasive species treatments targeting poison hemlock, bull and Canada thistles. Herbicide applications occurred in Macomb County within the Red Run Drain easement between Dequindre and Utica Roads. The total area of treatments included 80.68 acres, although the actual estimated treatment area was 36 acres due to the patchy distribution of growth of invasive plants that were chemically treated by staff. Treatment happened by means of foliar application of 2% Glyphosate 5.4, 0.8% Cygnet Plus and blue dye. No Adverse Incident reports were filed for the duration of the treatment.

2021 Round 2 Treatment Forecast

The second round of treatments targeting Japanese and giant knotweed plants and invasive sweet clovers commences August 5, 2021.



4480 Orion Rd., 2nd Floor • PO Box 80902 • Rochester • Michigan • 48308-0902

Phone: 248-601-2816 • Fax: 248-601-0106 • www.sixriversrlc.org

Agenda Item No. 7

Inspection Report



DEPARTMENT OF THE ARMY

DETROIT DISTRICT, CORPS OF ENGINEERS
477 MICHIGAN AVENUE
DETROIT, MICHIGAN 48226-2550

May 28, 2021

Engineering and Construction Office

Michael Gregg
State of Michigan. Department of Agriculture and Rural Development
Environmental Stewardship Division, Intercounty Drains
525 West Allegan Street
PO Box 30017
Lansing, MI 48909

Dear Mr. Gregg:

On October 1st, 2020, representatives from the U.S. Army Corps of Engineers Detroit District (USACE), Oakland County Water Resources Commissioner, and the Macomb County Public Works Office (PWO), completed the annual inspection of the Red Run Drain flood risk reduction project. A list of inspection attendees is included below.

<u>Name</u>	<u>Organization</u>
Tina Kowitz	Levee Safety Program Manager, USACE
Ethan Nordstrom	Engineering Intern, USACE
Erik Frederiksen	Oakland County WRC
George Nichols	Oakland County WRC
Lynne Seymour	HRC Engineering
Fatemeh Babakhani	HRC Engineering
Danielle Devlin	Macomb County PWO
Jeff Bednar	Macomb County
Jamie Burton	HRC Engineering
Steve Roznowski	Spicer Engineering
Jim Nash	Oakland County WRC
Doug Stover	Oakland County WRC

The inspection portion of the Red Run Drain consists of an earthen channel beginning at the intersection of Dequindre Road and 13 ½ Mile Road and continues approximately 8.2 miles to the northeast to the confluence of the Clinton River. The design flood depth is 13 feet and the side slopes of all banks are two horizontal to one vertical (2H:1V).

The inspection focused on the 4 areas in the worst condition. The following issues were noted:

a. Within the channel shoaled material has limited the hydraulic capacity of the project. Removal of shoaled material should be completed. However, this should be done carefully, as excavating shoaled material could further destabilize the steep banks along the river.

b. Oakland County WRC is pursuing bank stabilization at 4 areas along the river, as shown on the attached map provided by HRC Engineering. Active erosion and slope failures were noted in these areas. Lateral cracking was noted at the top of the slope of Area 3, indicating active slope movement.

Area 1: East of Dequindre Rd
Area 2: East of Ryan Rd
Area 3: West of Van Dyke Ave
Area 4: Freedom Hill

c. The bank stabilization measures proposed for the four areas include installing stone at the toe, flattening slopes, installing groundwater interceptor drains, and adding native plantings as well as removal of shoaled sediment. Some areas have in stream structures to reduce scour at the riverbank. These measures are needed to address the reoccurring slope failures due to overly steep slopes, toe erosion, and poor drainage. Ms. Kowitz informed Oakland County that approval through the Section 408 program would be needed since the project would modify a federally constructed project. It is my understanding that Oakland County has submitted a request for a Section 219 project for Areas 1 and 4. If this work goes forward under an Army Corps of Engineers project, a Section 408 request will not be needed.

Shoaling, toe erosion, and unstable slopes were the primary issues noted during the inspection. This has been a reoccurring issue on the project, due to the steep banks. The proposed stabilizations for the four problem areas are appropriate for the project and flattening the slopes will reduce future issues. However, it is necessary to request approval for the modifications through the Section 408 program and show that the modifications do not impact the design flow of the project.

Overall, the Red Run Drain is in "Minimally Acceptable" condition, and the project will remain active in the 84-99 program.

Any questions regarding this inspection report may be directed to Tina Kowitz at 313-226-6719 or the undersigned at 313-226-4761.

Sincerely,

Phillip C. Ross, P.E.
Chief, Engineering & Construction Section

Enclosures



Photo 1: Looking downstream from Dequindre Rd. Note vegetation and shoaling. (Area 1)



Photo 2: Looking downstream from Ryan Rd. Banks are steep and vegetated. (Area 2)



Photo 3: Looking at north (left) bank upstream of Van Dyke Ave. Steep banks, bare soil near surface indicates slope failure. (Area 3)



Photo 4: Looking at north (left) bank upstream of Van Dyke Ave, upstream of photo 3. Note slope failure. (Area 3)



Photo 5: Shoaling on south (right) bank, opposite of Freedom Hill (Area 4)



Photo 6: Freedom Hill landfill shown in background. (Area 4)



Photo 7: Looking toward south (right) bank. Note shoaling. (Area 4)



Photo 8: Freedom Hill Landfill (Area 4). The bank stabilization in this area is proposed to keep erosion from damaging the landfill.

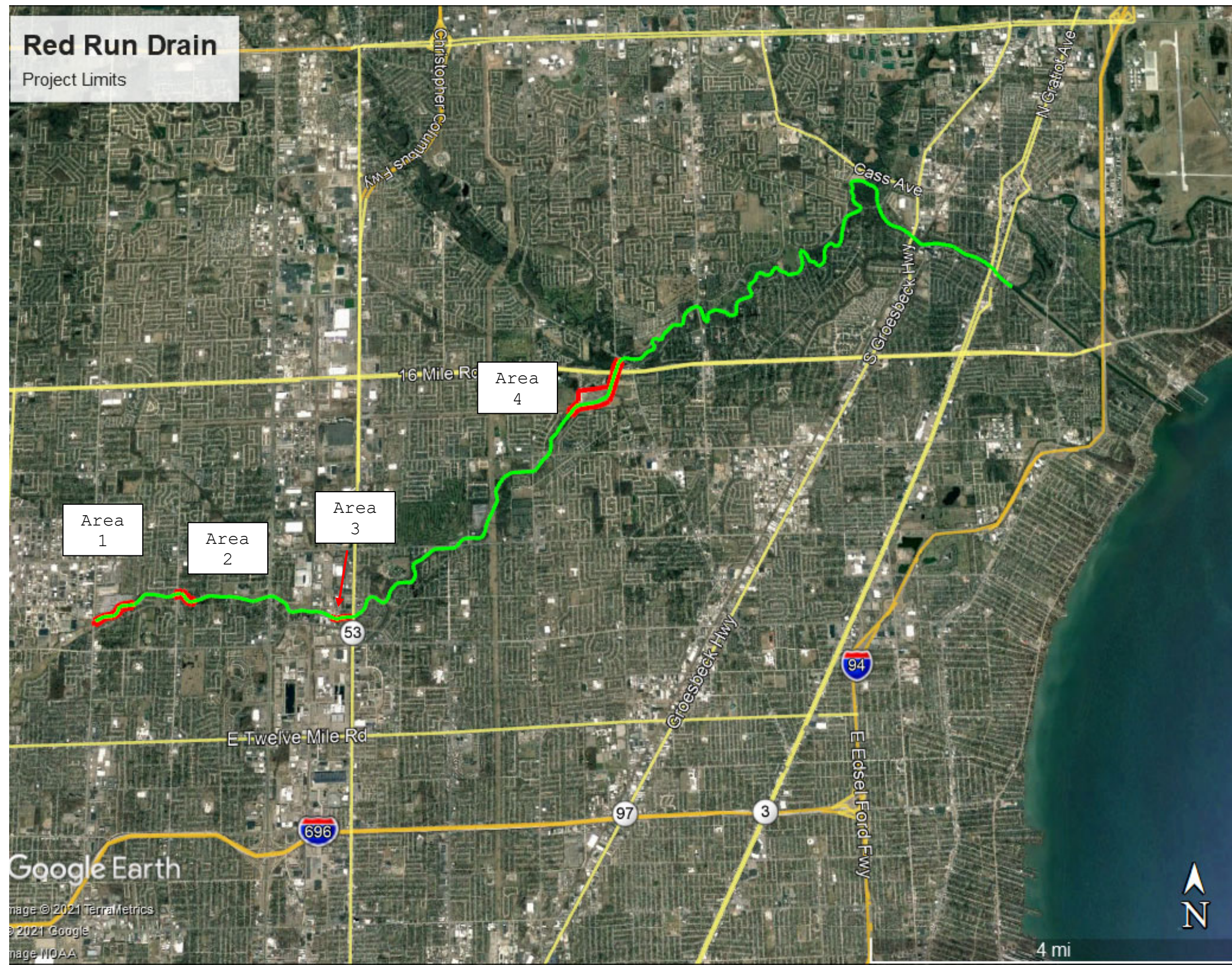


Figure 1: Project Limits

Agenda Item No. 8

Trial Balance

Run By: 27706

Run: 08/11/2021 at 08:39 AM

Scope: 82902 Red Run Federal Drain Ch21

YTD Trial Balance
Fund: 82902 Red Run Federal Drain Ch21
As of Fiscal Period: Month 11, 2021

ACCOUNT		Fiscal Year BEG BAL	Current FY Net Activity	ENDING BAL
100100	Cash - Operating	69,822.61	(24,701.93)	45,120.68
104100	Accrued Interest on Investment	4,928.40	(229.92)	4,698.48
228100	Deposits	(26,244.40)	0.00	(26,244.40)
230852	Accounts Payable	(5,510.21)	5,510.21	0.00
	Revenues	0.00	(385,111.12)	(385,111.12)
	Expenditures	0.00	404,532.76	404,532.76
	Special Items- Uses	0.00	0.00	0.00
381350	FB Restricted Programs	(42,996.40)	0.00	(42,996.40)
		(0.00)	0.00	0.00

Cash as 8/11/2021	\$	45,120.68
Permit Deposit Held		(26,244.40)
Total Cash Balance	\$	<u>18,876.28</u>

Agenda Item No. 9

Invoices

MEMO TO: Mr. Jim Nash, Chairman
of the Intercounty Drainage Board for the RED RUN FEDERAL DRAIN

FROM: Shawn Phelps, Chief of Fiscal Services *SjPhelps*
OCWRC Accounting

DATE: August 18, 2021

SUBJECT: Request for Approval of Invoices

Request for Board approval of payment of the following invoices:

Date	Ref No.	Paid To	For	Amount
	TBP	Six Rivers Land Conservancy	Inv # 1176cm - Contracted Services	8,776.73
	TBP	Six Rivers Land Conservancy	Inv # 1259 - Contracted Services	3,780.00
			Total	<u>\$ 12,556.73</u>

Six Rivers Land Conservancy
4480 Orion Rd 2nd Floor PO
Box 80902 Rochester, MI 48308
US nickance@sixriversrlc.org

Invoice

BILL TO

Red Run Intercounty Drain
Drainage Board
One Pub Works Building #95W
c/o Jim Nash, Oakland County
Water Resources Commissioner
Waterford Twp., MI 48328

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
1176cm	12/15/2020	\$8,776.73	01/14/2021	Net 30	

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
12/15/2020	Stewardship Services	Chemical treatment of 2.13 acres of Japanese and Giant knotweed within the Red Run Drain easement between Dequindre and Mound Roads in September 2020	1	8,776.73	8,776.73

Chemical treatment of 2.13 acres of Japanese and Giant knotweed within the Red Run Drain easement between Dequindre and Mound Roads in September 2020.
Staff = \$6,740.00
Chemicals = \$1,517.00
Mileage = \$519.73

Project ID: #1-2895
Fund 82902
Program 155020
Account 730373
STD
Contract #6329
Vendor #9728
Item #44882

BALANCE DUE

\$8,776.73

Reviewed and approve this invoice
GPN 8/3/21



CONSERVING, SUSTAINING, AND
CONNECTING NATURAL AREAS, LANDS,
AND WATERS THAT MAKE THE PLACES
WE LIVE SPECIAL

Invoice #1259

January 31, 2021

Bill To:

Red Run Intercounty Drain Drainage Board
One Pub Works Building #95W
%, Jim Nash, Oakland County Water Resources Commissioner
Waterford Twp., MI 48328

Due: February 31, 2021

Description	Amount Due
Reimbursement for activities completed by McKenzi Waliczek and Sean Hollowell from 12/1/2020 - 1/31/2021 for generation of an Invasive Species Treatment Plan Request for Proposals and work on the SOGL application.	\$3,780.00
Total	\$3,780.00

Please make checks payable to Six Rivers Land Conservancy and send to:

Six Rivers Land Conservancy
4480 Orion Rd.
PO Box 80902
Rochester, MI 48308-0902

Project ID: #1-2895
Fund 82902
Program 155020
Account 730373
STD
Contract #6329
Vendor #9728
Item #44882

Reviewed and approve this invoice
GP 8/3/21



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Agenda Item No. 10

Determine Date of Next Meeting

Agenda Item No. 11

Other Business

Agenda Item No. 12

Adjourn