

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
MAY 9, 2022
10:00 A.M.
AGENDA

**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE
OPTION FOR PUBLIC**

**Call in Number: 1-970-639-1895
Access Code: 644 714 785**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for May 9, 2022	
3. Approval of Minutes for April 11, 2022	4
4. Public Participation	
5. Projects & Operations Update – Vincent Astorino	7
6. Chapaton Canal Rehabilitation and 9 Mile Pump Station Projects Presentation – Vince Astorino	11
7. Chapaton Canal Rehabilitation Design – Vince Astorino	21
Motion: To approve the Chapaton Canal Rehabilitation Design Proposal from Wade Trim for a not to exceed amount of \$499,972.	
8. Chapaton Canal Rehabilitation SRF Project Plan Resolution - Brian Baker	32
Motion: To approve the Chapaton Canal Rehabilitation Project Plan Resolution as the first step toward applying for a State Revolving Fund loan.	
9. Agreement with Shore Club Apartments - 9 Mile Pump Station Project - Vince Astorino	35
Motion: To approve the 9 Mile Road Vacation and 9 Mile Pump Station Project Agreement with Shore Club Apartments.	

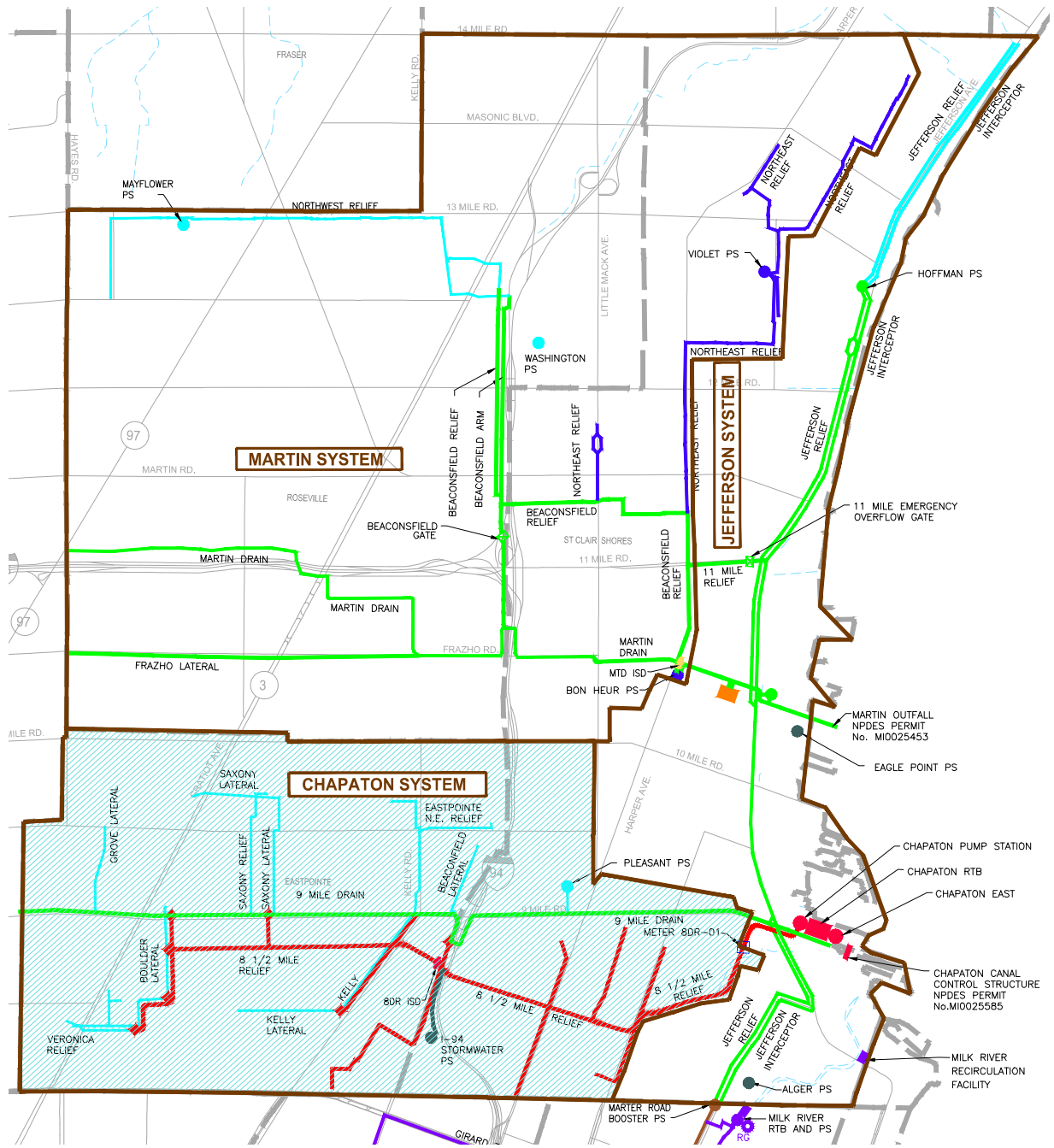
10. Request for Vacation of Portion of East 9 Mile Road - 9 Mile Pump Station Project - Vince Astorino	58
Motion: To approve the submittal of an application to St. Clair Shores to vacate a portion of East 9 Mile Road	
11. Consideration for approval of invoices (see attached)	64
12. Financial Report – Bruce Manning	183
13. Adjourn	

Hard copy is intended to be 8.5"x11" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

CHAPATON SYSTEM MAP

Macomb County, MI

Southeast Macomb Sanitary District Wastewater Master Plan



SYSTEM LEGEND
(AS OF DATE OF PUBLICATION)

- SYSTEM BOUNDARY

DISTRICT LEGEND
(AS OF DATE OF PUBLICATION)

- 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT
- SOUTHEAST MACOMB COUNTY WASTEWATER DISPOSAL SYSTEM
- MARTIN SANITARY DIVERSION DISTRICT
- SOUTHEAST MACOMB SANITARY DISTRICT
- NORTHEAST SEWAGE DISPOSAL SYSTEM
- MILK RIVER INTERCOUNTY DRAIN DRAINAGE DISTRICT
- LOCAL MUNICIPALITY
- OTHER

ASSET LEGEND

- PUMP STATION
- FLOW CONTROL STRUCTURE
- RTB
- GRAVITY INTERCEPTOR
- IN-SYSTEM STORAGE DEVICE
- OVERFLOW POINT
- LEVEL SENSOR
- RAIN GAUGE
- FLOW METER

PROJECT NO.

181053

3.6

An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan on April 11, 2022, at 10:17 A.M.

PRESENT: Candice S. Miller, Chair
Bryan Santo, Member
Veronica Klinefelt, Member

ALSO PRESENT: Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Financial Manager; Stephen Saph Sr., Nickel & Saph, Inc. Agent; Stephen Saph Jr., Nickel & Saph, Inc. Agent; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Don VanSyckel, Macomb County Board of Commissioners; Sarah Wojdyla, Drain Account Specialist

PRESENT VIA TELECONFERENCE: Daniel Acciavatti, Deputy Director Public Works

The meeting was called to order by the Chair, Candice S. Miller. A motion was made by Mr. Santo, supported by Mrs. Klinefelt to approve the agenda as presented.

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of March 14, 2022 were presented. A motion was made by Mrs. Klinefelt, supported by Mr. Santo to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

The meeting was opened to public participation, then closed, there being no comments from the public.

News articles regarding Combined Sewer Overflows were presented, but were already discussed in the Martin Sanitary Diversion Drain Board meeting.

A motion to receive and file was made by Mrs. Klinefelt, supported by Mr. Santo.

Adopted: YEAS: 3
NAYS: 0

Mr. Astorino then presented a project update. No wet weather events this month. The Pullman portion of the project on the Chapaton Basin will be officially closed out; on time, and under budget. The next phase of work will be D'Agostini on the project.

Regarding the Chapaton In-System Storage Project, we've had a lot of discussions with DTE to get the utilities relocated at Beaconsfield. That's the hold up for starting at the site. DTE wants them buried. The latest schedule is they will be out June or July.

Letters have been sent out to the residents. There will be a bunch of steel delivered to the Beaconsfield site, they ordered ahead of time considering supply chain issues. Commissioner Miller added that it is all American Steel. We will start working on the smaller sites. They will be setting up drilling to the tunnel and installing vents to relieve the pressure should there be a catastrophic event. There will carbon tanks on the line for any potential odors to filter them. Weiss is preparing to mobilize in the next week.

Mr. Astorino then presented a copy of the letters that were sent to the residents around the sites and explained that there is also more details on our website. He explained that the site will be fenced off for safety and that the work will be performed during the day, no overnight work. Other than that we are moving forward on the design for Nine Mile Pump Station with a target date of July. He will be bringing it to the Board. Canal Rehab is progressing.

Mr. Downing then updated on the OCIP premiums. He explained that back in February the Board authorized Mrs. Miller to bundle 3 projects. The In-System Storage, the Nine Mile Pump Station, and the MIDD Odor and Corrosion. We are continuing to work with Meadowbrook and the numbers are just getting finalized. The great news is that we were able to add the Martin In-System Storage Project and we saw a reduction in premiums. We will get the numbers finalized and present it at the next Board Meeting. Mr. VanSyckel asked how the cost is spread. Mr. Downing explained that he will make sure that the savings are distributed proportionately by the hard construction cost values.

A motion was made by Mr. Santo, supported by Mrs. Klinefelt to receive and file the project update.

Adopted: YEAS: 3
NAYS: 0

An update about the Insurance Policy Renewal was presented by Mr. Baker. He explained the presented policy and introduced Stephen Saph for any questions. There is an increase in the policy price by around 6%. Mr. VanSyckel asked if there were any claims last year, and Mr. Saph said no.

Mrs. Klinefelt made a motion to approve Chapter 20 General Liability Insurance coverage renewal with Argonaut Insurance Company in the amount of \$210,613 (8 ½ Mile share \$10,913.97), supported by Mr. Santo.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$303,686.67 to the board for review and approval.

A motion was made by Mrs. Klinefelt, supported by Mr. Santo to approve the invoices as presented.

Adopted: YEAS: 3
NAYS: 0

A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo and supported by Mrs. Klinefelt.

Adopted: YEAS: 3
NAYS: 0

There being no further business, it was moved by Mrs. Klinefelt, supported by Mr. Santo, that the meeting of the Eight and One-Half Mile Relief Drain Board be adjourned.

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 10:33 A.M.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on April 11, 2022 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 04/11/22



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: May 9, 2022

Subject: Construction Projects Status Updates for the May 2022 Board Meeting

The following provides a status update for construction work completed within the 8 ½ Mile Relief Drain Drainage District (8MRDDD) for the previous month.

Wet Weather Operations

No wet weather events for this past month.

Chapaton Basin and 9 Mile Drain Structural Repairs Project

Contractor: Pullman/L. D'Agostini

Engineering Consultant: NTH

Project Description:

This project consists of performing concrete repairs within the Chapaton RTB (constructed in 1968) and the 9-Mile Drain (constructed in 1926). Recent inspections were performed and various types of repairs in numerous locations were noted in the reports. Repairs primarily consist of chipping away damaged concrete, prepping the reinforcing steel and remaining concrete surfaces, and installing a specialized concrete product flush to adjacent surfaces.

Significant project tasks that have occurred over the past month:

1. Continuing to work with L D'Agostini to sign the contract for phase 2.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$736,950.00
Total Spent to Date	Pay App #1-5	\$474,913.50
Remaining Budget		\$262,036.50

Chapaton In-System Storage Project**Contractor:** Weiss Construction**Engineering Consultant:** Tetra Tech**Project Description:**

The primary focus of the project is the construction of an access shaft and installation of the In-System Storage Device at Beaconsfield and Oak in Eastpointe. This project will achieve an additional 3.5 million gallons of storage within the 8.5 Mile Relief tunnel.

Significant project tasks that have occurred over the past month:

1. Weiss is continuing to work with DTE/consumers for utility relocation at Beaconsfield.
2. Submittals have are being received and processed by the engineering team.
3. Construction activities to date:
 - Beaconsfield & Oak, Kelly & Oak, Gaukler & Greater Mack: Ground penetrating radar and probing to locate exact location of the tunnel. Traffic control is set up and is utilized as-needed at this point.
4. Construction look ahead:
 - Beaconsfield & Oak: Staging of steel and other construction materials to begin along Beaconsfield greenbelt.
 - Kelly & Oak: Staging of equipment and start of excavation.
 - Gaukler & Greater Mack: Staging of equipment and start of excavation.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$9,673,200.00
Total Spent to Date		\$105,826.50
Remaining Budget		\$9,567,373.50

Photos of pipe location probing at Beaconsfield & Oak on 04.28.22



OFFICE LOCATION: 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933
ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264



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MACOMB COUNTY PUBLIC WORKS OFFICE



CANDICE S. MILLER

MACOMB COUNTY PUBLIC WORKS COMMISSIONER

Chapaton Canal Rehabilitation & 9 Mile Pump Station Projects

Presented on: May 9, 2022

9 Mile Pump Station

Candice S. Miller

Macomb County Public Works Commissioner

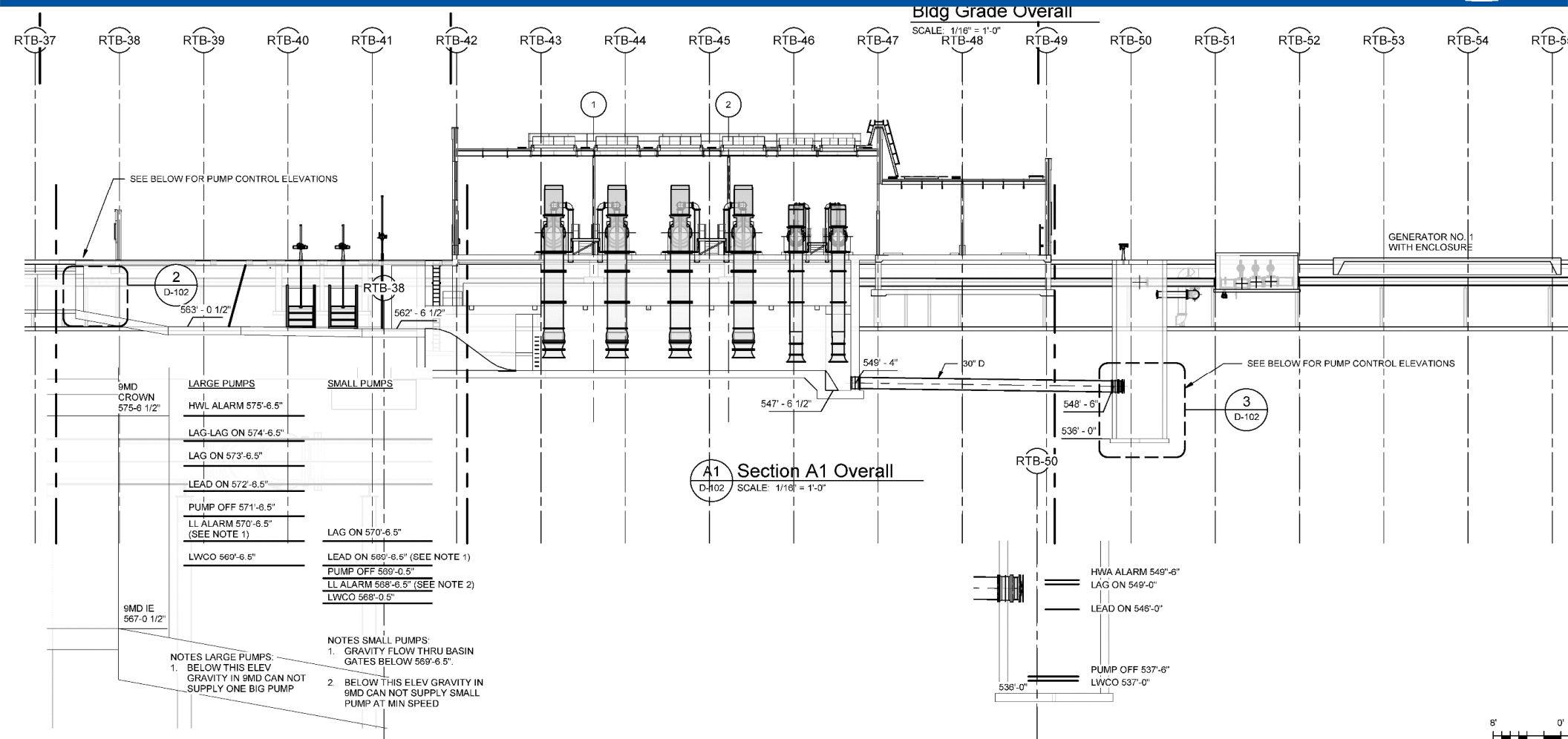


- 7.5 Million Gallons of Additional Storage
- 18.0% Average Annual CSO Reduction
- \$45M
- Electrical Redundancy
- Flood Protection
- Basement Backup Protections
- Water Quality Improvements

9 Mile Pump Station

Candice S. Miller

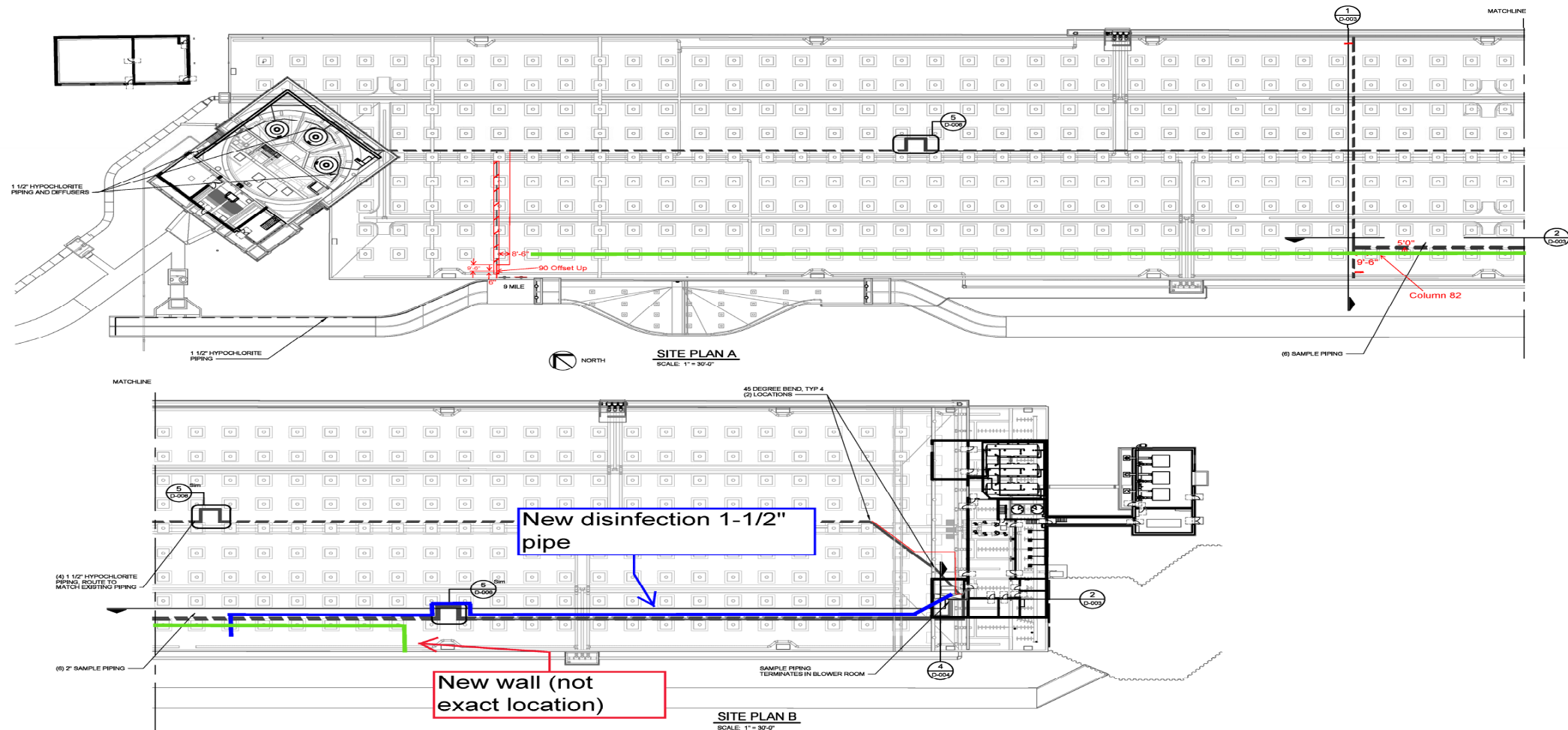
Macomb County Public Works Commissioner



9 Mile Pump Station

Candice S. Miller

Macomb County Public Works Commissioner



Chapaton Canal Rehabilitation

Candice S. Miller

Macomb County Public Works Commissioner



Overview of Chapaton Canal

Candice S. Miller

Macomb County Public Works Commissioner



Key Improvements:

- 1978 – Canal Improvements
 - Rehabilitated canal with new sheeting
 - Installed new flushing and disinfection systems
- 2002 – Original Canal Expansion
 - Aeration system
 - Addition of outfall gates
 - Boat launch modifications
 - 3 MG additional storage
- 2018-2020 – Proposed Canal Expansion
 - Study & 100% Design
 - **Permit denied by EGLE**



1978 Canal Improvements



2002 Canal Improvements

2020 Canal Expansion Summary

Candice S. Miller

Macomb County Public Works Commissioner



- 8 ½ Mile Board awarded the design contract to Wade Trim on February 11, 2019
- 100% Design was completed in March 2020 but permit was denied by EGLE
- Rehabilitation components from the 2020 design still need to be completed



2020 Canal Expansion Rendering (Not Constructed)

2023 Canal Rehabilitation Summary

Candice S. Miller

Macomb County Public Works Commissioner



- Board re-engaged Wade Trim in January 2022 to perform Basis-of-Design for Rehabilitation Project
- BOD completed to determine feasibility and identify key design challenges and components
- 100% design proposal prepared by Wade Trim to complete design by end of 2022 and issue for public bids in early 2023
- Utilizes same design team (WT, ASI, & NTH) and much of the original drawing package (saves cost and time)



Existing Chapaton Treatment Canal – North Bank



Existing Outfall Gates – Lake Level 576.5+

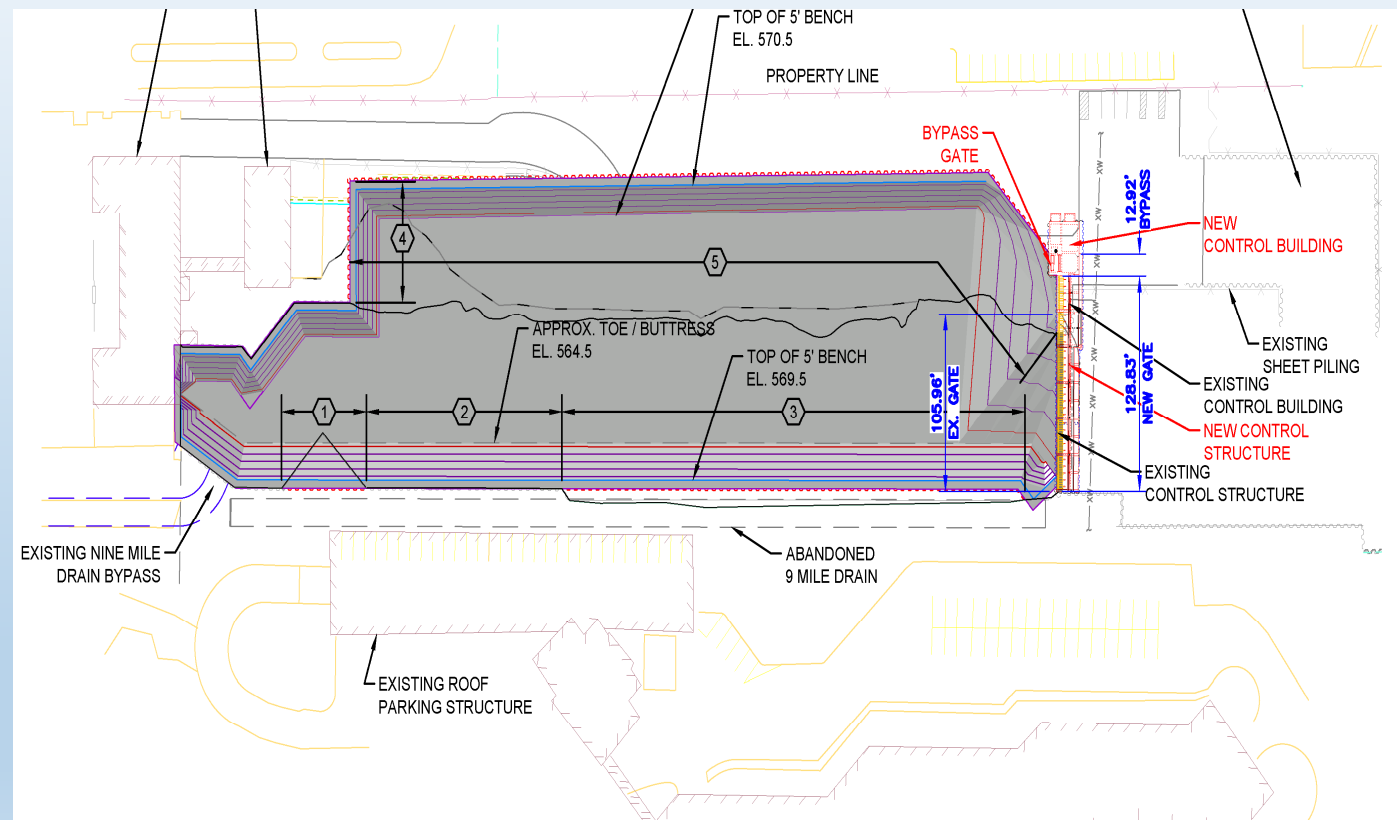
Key Design Components

Candice S. Miller

Macomb County Public Works Commissioner



- Raising the sides of the canal above the 500-year flood elevation of 579.4'
- Lowering the invert of the canal by approximately 4 feet to gravity drain back through the basin.
- Installation of a direct flushing pipe to the lake to reduce treatment costs of lake water.
- New outfall gates that will open from the top – down
- Proper abandonment of the 9 Mile Drain constructed in 1926
- Improvements are expected to yield over 10 MG of storage.



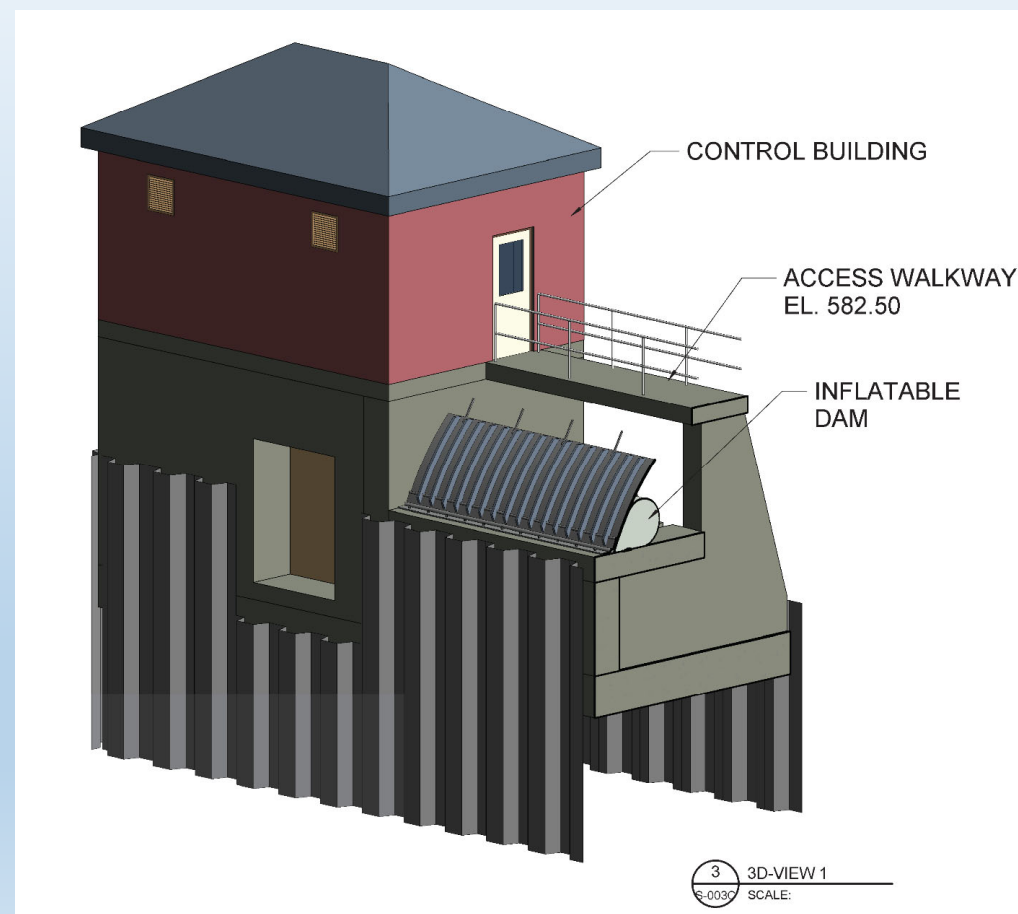
Proposed Outfall Gate Structure

Candice S. Miller

Macomb County Public Works Commissioner



- Key Goals with New Structure
 - Minimize Impact of High Lake Level on Chapaton functionality
 - Provide increased operator control to capture more CSO volume
 - Improved Water Quality
 - Maintain Peak Conveyance even at high lake level.
 - Utilize majority of 2020 design





Candice S. Miller

Public Works Commissioner
Macomb County

To: 8-1/2 Mile Relief Drain Drainage District Board Members

CC: File

From: Vince Astorino, Operations & Flow Manager

Date: May 9, 2022

Subject: Chapaton Canal Rehabilitation Design Recommendation

The Macomb County Public Works Office (MCPWO) has continued to work towards finding solutions to reduce treated combined sewer overflows (CSO) and improve water quality within Lake St. Clair. The first project that was established to reduce treated CSO's was to expand the existing open-air canal which would have reduced average annual overflow volumes up to 60%. Unfortunately, this project was rejected by EGLE mainly due to MCPWO requesting to take additional waters of the State. Since then MCPWO has evaluated additional options and worked with EGLE on what could be permitted.

The following project has been conceptually developed to rehabilitate the existing open-air canal that is used to treat and store treated CSO's after leaving the Chapaton Retention Treatment Basin (RTB). Although the overall canal expansion project was rejected by EGLE, there are still major rehabilitation elements that need to be addressed. The key elements are as follows:

- The existing outfall gates are nearing the end of their useful life. The need for replacement is twofold since the bottom-up operation of the gates is not optimal. When opened to initiate a CSO spill, lake water rushes back into the open air canal area and occupies volume that otherwise could have been used for CSO storage.
 - The proposed gates will open from the top-down. This provides needed resiliency against higher lake levels as well as allows operators to capture additional CSO storage volume.
- The canal still has the original 9 Mile Drain double box running along the south side which was never properly abandoned. This asset is almost 100 years old and a failure would put Shore Club Apartment property at a high risk of flooding.
 - The 9 Mile Drain will be properly abandoned and filled with concrete or completely removed. The grade will also be raised to provide additional resiliency to above the 500-year flood elevation.
- The sheeting on the westerly end of the canal is not high enough to contain all CSO during a spill when lake levels are high. As a result, E. 9 Mile Road temporarily floods all the way back to Jefferson Ave under these conditions.
 - This will be addressed by installing new sheeting and filling the land to above the 500-year elevation. These measures in conjunction with the 9-Mile Pump Station project will eliminate flooding along E. 9 Mile Road, east of Jefferson Ave.
- The North side of the canal is currently eroding farther to the north every year. There was never sheeting installed in this area.

- New sheeting will be installed to above to a 500-year flood elevation. This will stop the erosion, provide additional stability for the canal, and help protect the Aeration Building.
- Current flushing operations require the existing canal to be filled with lake water to support the flushing pumps.
 - As part of this rehabilitation project, a new pipe will be installed directly from the lake to the flushing pumps. This will allow the operators to use only the volume of lake water that is required to flush the RTB rather than be forced to send unused, clean lake water through the downstream sewage billing meter. It is estimated that this will save rate-payers approximately \$200k per year; an amount that will likely be recouped one year after the installation of this pipe.
- The existing canal can only partially dewater via gravity back into the RTB.
 - The proposed canal bottom will be sloped west towards the existing Aeration Chamber. This will provide a more complete dewatering of the canal. This lower depth, combined with several of the rehabilitation items noted above, will result in approximately 10 MG of additional storage volume.

Below is an image of the area of the existing open-air canal where these rehabilitation efforts are proposed:



All of the elements noted above have already been designed in some form as part of the initial canal expansion project. The results of the Basis of Design phase of this rehabilitation project indicated that the key elements noted above are feasible. Additionally, much of the original design can be re-used. The original design team was tasked with preparing this BOD and MCPWO is proposing continue to use this team to progress the project through 100% design. This will lower costs and save time.

The proposal from Wade Trim that is in front of you today outlines progressing the design to 100% by the end of 2022 and issuing the project for public bids in early 2023. We believe this team is capable of maintaining this schedule and budget while providing a quality design as was the case with the original canal expansion project. The proposed fee for this additional scope of work is \$499,972.00 which is a time-and-material NTE cost. As noted in the table below, there is approximately \$140,268.33 in budget remaining on this project. The original contract and any associated change orders has been paid for by the MEDC grant that was obtained by MCPWO. The remaining funds of that grant will be exhausted with this next phase of work.

Project Costs Summary

Description	Amount
Base Scope - Original Canal Expansion:	\$977,611.00
CO #1 - Flushing System Evaluation:	\$75,000.00
CO #2 - Additional Permitting Effort:	\$335,263.00
CO #3 – Rehabilitation BOD:	\$99,812.00
Total Board-Approved Fee:	\$1,487,686.00
Total Invoiced:	\$1,287,343.63
Budget Remaining with CO #3 fully spent:	\$140,268.33
Proposed Rehabilitation Design Fee:	\$499,972.00
Proposed CO #4 Amount:	\$359,703.67

The action is for the 8-1/2 Mile Relief Drain Drainage District Board to accept the design proposal from Wade Trim for the not-to-exceed amount of \$499,972.00 to complete the full design. Upon approval, MCPWO will issue a change order to Wade Trim to their existing contract for \$359,703.67 as noted in the table above.

Attachments: Wade Trim Scope of Services and Cost Proposal dated 05/03/2022



Wade Trim Associates, Inc.
25251 Northline Road • Taylor, MI 48180
734.947.9700 • www.wadetrim.com

May 3, 2022

Macomb County Public Works Office
21777 Dunham Road
Clinton Township, MI 48036

Attention: Mr. Vince Astorino

Re: Professional Engineering Scope of Services
Chapaton RTB Canal Rehabilitation

Dear Mr. Astorino:

Per your request, Wade Trim is pleased to provide this scope of services document to the Macomb County Public Works Office for professional engineering services related to the Chapaton RTB canal design revision.

Project Description Summary

The Chapaton RTB Canal Upgrades Project will provide renovation and improvements to the existing Chapaton RTB facility to provide for a more resilient gate structure and improved perimeter containment area from the RTB to the gate structure. The anticipated improvements include the rehabilitation of the cross section of the existing canal from the RTB to the gate structure, new sheet pile earth retention on the north and south sides within this area's perimeter, two new flushing gates through the basin weir wall for dewatering, and the construction of a new control building and new gate structure located on the basin side of the existing gate structure.

Scope of Services

Professional services are to be provided for the project in four separate tasks as described below. The design drawings previously developed for the Chapaton RTB Canal Upgrade project will be utilized and revised accordingly to accommodate the changes in the scope of services. We have assumed the gate structure design and other previously designed concepts will be able to be reused in the revised canal design without significant engineering and rework. Since the configuration of the project may change as each task is completed, the scope of services and budget shall be reviewed by the engineer and the Macomb County Public Works Office (MCPWO) and modified, if necessary, prior to initiation of the subsequent tasks.

Task 1 - Project Management

The following project management activities are to be performed as part of the project:

- A. Provide general management and technical administration of the project.
- B. Develop and maintain a master project schedule. The project schedule will be capable of identifying progress of individual tasks and of the entire project. The engineer will submit monthly progress reports summarizing activities completed, work remaining, and identifying any problems which are anticipated.

- C. Coordinate work of subconsultants, including all efforts required to maintain consistency between the team members. This also includes the routine administrative functions required to properly maintain staffing levels, assure proper accounting of both staff time and project expenses, and maintain general order.
- D. Provide technical reviews of the project.
- E. Prepare/maintain project records and billing, including effort required to maintain a complete set of administrative project records and billing and cost information for the contract. Prepare monthly invoices including obtaining, preparing, and providing backup documentation.
- F. Attend regular meetings with the MCPWO project manager.
- G. Coordinate with MCPWO regarding Michigan Department of Environment, Great Lakes and Energy (EGLE) State Revolving Fund (SRF) Milestone Schedule.

Task 2 - Preliminary Design

Task 2 consists of advancing the design concept detailed in the Basis of Design (BOD) for the proposed project. The objective of this preliminary design phase is to clearly identify the specific design elements of project required to be updated for which final construction plans can be generated. The work under this task will bring the design to the 30% level and includes the following subtasks:

- A. Project Initiation - Conduct project kickoff meeting to initiate project and review project goals and objectives. Attendees to include key MCPWO and consultant design team members, including MCPWO O&M staff to obtain input on existing facility performance and operator concerns for new facilities.
- B. Historical Document Review - Specific items include the following:
 - 1. Review previous file and existing documents and information.
 - 2. Utilize existing survey data previously collected. No additional site survey has been included.
 - 3. Review, develop, and summarize hydraulic design requirements and constraints.
 - 4. Review geotechnical information for geotechnical and structural design requirements.
- C. Design Concept Confirmation - The engineer will confirm with MCPWO the design concepts for the following project components:
 - 1. Geotechnical – Tieback Wall and Buttress of Existing Sheet piling to remain in place Concepts
 - 2. Hydraulic
 - 3. Operations
 - 4. New Gate Structure – As previously designed
 - 5. Gate Structure (sequence of construction)
 - 6. Coordination with other MCPWO design projects at Chapaton (facilitated by MCPWO)

D. Develop 30% Preliminary Drawings and Specifications:

1. Upon confirmation and acceptance of the design concepts stated in Task 2C, the design team will proceed with updating the design plan set to develop plans to 30% level suitable for formal QA/QC review. Preliminary drawings will include site layout of canal upgrades in relation to existing facilities, utility lines, and surface features and preliminary gate structure layout drawings, including the location of major pieces of equipment.
2. Prepare updated specification list and contract forms, and schedule for anticipated final drawing list divided into appropriate technical disciplines.
3. Prepare preliminary opinion of probable construction cost based on 30% level plans.

E. Conduct QA/QC Review (30% Design Level):

1. Engineer will conduct internal review of 30% level plans to verify conformance with corporate QA/QC policy. Cost of construction is a critical element of the project. Therefore, the QA/QC activities will include constructability reviews to minimize cost related changes.

F. Progress Meetings:

Progress meetings will be held monthly. Wade Trim will submit progress plans to MCPWO at the 30% completion point. Wade Trim will keep MCPWO advised of progress through meetings, meeting notes, email, and written correspondence. MCPWO comments will be reviewed and incorporated as appropriate in the contract documents. This agreement assumes that one major review meeting (30%) and a monthly progress meeting will be held during the Preliminary Design Phase.

- G. Assist MCPWO with Permitting. We have assumed that Transfer of the Canal from the Waters of the State to the District will not be required and that reasonable permitting efforts will suffice to secure permits. Effort to secure temporary or permanent easements for the work have not been included. Permit fees have not been included. No additional studies to secure permitting approvals has been included. Previously completed studies may be utilized to assist with securing permits.

We will pursue applications the following permits:

- United States Army Corps of Engineers Joint Permit
- EGLE Part 41 Permit
- EGLE Floodplain Permit
- EGLE Part 325 Submerged Lands (if necessary)
- EGLE Part 22 (groundwater protection will need to be addressed at a minimum as component of Part 41)
- EGLE Water Extraction Permit (not expected, but will need to be explained/addressed)
- St. Clair Shores Part 91 Soil Erosion and Sedimentation Control (SESC) Permit
- St. Clair Shores Building Permits
- MS4 Stormwater for Green Infrastructure Outfall (if needed) and storm water coordination with EGLE.
- Review any FEMA floodplain changes and present effort and schedule requirements
- Coordinate/support internal County permitting

Task 2 - Deliverables

- 30% design drawings and outline of specifications.
- Preliminary opinion of construction costs.
- Equipment data sheets.
- Meeting summaries.
- 30% design level construction cost estimate.

MCPWO Task 2 - Inputs

- Designate a person to be MCPWO's project manager.
- Attend project progress meetings.
- Designate appropriate MCPWO operations staff to participate in technical discussions and workshops to provide input and reach consensus on selected storage and control, and to finalize design concept.
- Review and approve proposed design concepts.
- Provide review comments on 30% design level plans.

Task 2 - Clarifications

- Community engagement: Professional services for community engagement work has not been included.
- Professional surveying services have not been included.
- The new gate structure control building will not include a lighthouse design concept.
- The canal bypass gates will not be located within the new gate control building.

Task 3 - Final Design Phase

Upon completion of Task 2, the engineer shall proceed with preparation of detailed construction plans and specifications for bidding the project. The engineer will progress the plans and specifications from 30% design level to 60%, 90%, and 100% design level. Specific design tasks to be included under Task 3 include the following subtasks:

A. Final Plans and Specifications

Detailed construction plans will be developed. Final design drawings will be divided into civil, architectural, structural, process, mechanical, electrical, and instrumentation and controls as applicable for the selected project components. The preliminary design drawings will be finalized into a coordinated bid document format with contract specifications.

Contract specifications will be prepared in the Wade Trim standard format which are an adaptation of the Contract Specification Institute (CSI) format and allows provisions for the MCPWO-supplied modification for contracting requirements. The engineer will submit draft plans and specifications for owner review and comment at the 60% and 90% design level. Specifications from the previously designed canal project will be updated as necessary for use on this project.

B. Geotechnical

1. Detailed geotechnical analysis and design for selected option:

- Design of earth retention as needed, including supplementing the south sheet pile wall with a toe buttress and installing new north wall sheeting with tie backs.

- Design of seepage control measures including toe drains, groundwater cutoff, or other measures.
- Foundation analysis and recommendations for new gate structure and control building.
- Structural analysis and recommendation for modification to the aeration chamber outlet to the canal in order to fully dewater canal.
- Feasibility analysis for cofferdam to construct gate structure (to be designed by the contractor).
- Geotechnical Interpretive Report to address design elements.
- Prepare drawings (60%, 90%, and final submission).
- Prepare specifications (60%, 90%, and final submission).
 - Excavation
 - Earth retention
 - Backfill
 - Geotechnical instrumentation

C. Permitting and Approval

Upon approval from MCPWO, plans will be forwarded to the necessary permitting agencies. Responses to agency review comments will be prepared with recommendations for incorporation forwarded to MCPWO. If necessary, adjustments will be made to the plans before the final bidding documents are prepared. It is assumed that any fees associated with permit review applications will be paid for by MCPWO. Fees and labor associated with the acquisition of permits for general construction will be the responsibility of the selected contractor as described in the bidding documents.

The engineer will attend monthly EGLE update meetings with MCPWO which are anticipated to take place virtually before or after our monthly project meeting.

D. Cost Estimates

The engineer will update the opinion of probable construction cost at the 60%, 90%, and 100% design level to reflect the additional design detail developed during this phase of the project.

E. QA/QC Review

1. The engineer will conduct internal QA/QC reviews of 60% and 90% level design plans.
2. The engineer will submit the 60% and 90% design level plans to MCPWO for review and comment.

F. Progress Meetings

A progress meeting with MCPWO will be held on a monthly basis during the preliminary and final design phase. Wade Trim will submit progress plans to MCPWO at the 60% and 90% completion point.

Wade Trim will keep MCPWO advised of progress through meetings, meeting notes, email, and written correspondence. MCPWO comments will be reviewed and incorporated as appropriate in the contract documents. This agreement assumes that major review workshop meetings at 60% and 90% and monthly progress meetings will be held during the final design phase.

Task 3 - Deliverables

- 60% level plans and preliminary specifications for MCPWO review.
- 90% level plans and specifications for MCPWO review.
- 100% set of plans and specifications for construction.
- Design opinion of probable construction costs at 60%, 90%, and 100% level.
- 100% construction schedule update.
- Permit submittal applications.
- Geotechnical Interpretive Report.
- Meeting summaries.
- Updated 3D BIM Model of proposed upgrades.

Task 3 - MCPWO Inputs

- Designate a person to be MCPWO's project manager during the final design phase.
- Review geotechnical investigation recommendations and authorize additional soils investigations (if necessary).
- Review and comment as preliminary and final design progresses at 60% and 90% design.
- Review and approve final plans and specifications for bidding.
- Execute any applications or documents required of MCPWO for permit approvals, including processing payment for any fees associated with these requirements.

Task 3 - Clarifications

- Community engagement: Professional services for community engagement work has not been included.
- Professional surveying services have not been included.

Task 4 - Bidding

- A. Attend and assist with pre-bid conference.
- B. Prepare addenda.
- C. Assist with review and evaluation of bids.
- D. Attend and assist with pre-award meeting.

Construction Administration

Construction administration is not included with these scope of services. A budget will be determined after design phase services are completed.

Schedule

Our team anticipates an approximate six-month duration to complete the design tasks associated with this project with completion by December 30, 2022.

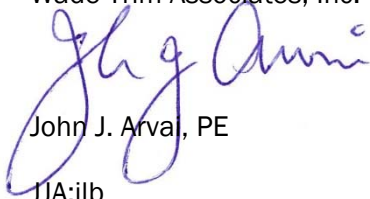
Price Proposal

The price proposal provided to MCPWO is attached to this letter. Please note our price proposal includes billing rates to be utilized for this project scope of services. Subconsultant markup will be five percent, and the vehicle mileage rate charges will be held to the federal mileage rate.

If you have any questions or require additional information, please do not hesitate to contact me. We look forward to continuing our work with the Macomb County Public Works Office on this project.

Very truly yours,

Wade Trim Associates, Inc.




John J. Arva, PE

JJA:jlb

AAA 8190.22

20220503_ASTORINO-LTR.DOCX

Attachment

 Price Proposal		PROPOSAL NO.: MCPWO-WWS-2019-RFP-002																						5/3/2022				
CHAPATON RTB CANAL REHABILITATION		Bill Rate	\$ 290	\$ 265	\$ 265	\$ 215	\$ 175	\$ 155	\$ 135	\$ 155	\$ 105	\$ 205	\$ 155	\$ 185	\$ 190	\$ 140	\$ 100	\$ 185	\$ 170	\$ 125	\$ 100	\$ 120	\$ 100	\$ 90				
SUBMITTED TO: Macomb County Public Works Office		Proj Area																										
PROJECT PHASES/TASKS DESCRIPTION	Total Labor Hours	Principal (WT)	PM - Sr. Professional (WT)	Sr. Professional (WT)	Prof. Engineer IV (WT) / Sr. Pric. Engineer (NTH)	Prof. Engineer III (WT) / Principal Engineer (NTH)	Prof. Engineer II (WT) / Sr Project Prof. (NTH)	Prof. Engineer I (WT) / Project Prof. (NTH)	Engineer IV (WT) / Sr. Staff Prof. (NTH)	Engineer I (WT) / Staff Prof. (NTH)	Project Specialist V (WT)	Prof. Surveyor III (WT)	Survey Crew (WT)	Sr. LA (WT)	Planning Associate	LA Staff (WT)	Principal Engineer (ASI)	Sr Project Manager (ASI)	Project Engineer (ASI)	Staff Engineer (ASI)	CADD Tech V (WT) / (ASI)	CADD Tech III (WT) / (NTH)	Project Admin (WT) / Staff Support (NTH)	Labor	ODC / Expense	Task Pricing Totals		
		2755	0	173	540	136	18	0	664	428	0	186	0	0	0	0	0	8	84	88	56	250	58	66				
TASK 1 - PROJECT MANAGEMENT	0																									\$ -	\$ -	\$ -
Wade Trim	88		56	6					14	4	4													4	\$ 20,120	\$ 750.00	\$ 20,870	
Applied Science	24																	24							\$ 4,080		\$ 4,080	
NTH	42				20	2		20																	\$ 7,350	\$ 120.00	\$ 7,470	
TASK 2 - PRELIMINARY DESIGN	0																									\$ -	\$ -	\$ -
Wade Trim	474		28	154					94	98	52											44	4	\$ 92,410	\$ 800.00	\$ 93,210		
Applied Science	110																4	32	40	24	10				\$ 14,780		\$ 14,780	
NTH	252				40	16		132	32														18	14	\$ 37,240	\$ 1,600.00	\$ 38,840	
TASK 3 - FINAL DESIGN	0																									\$ -	\$ -	\$ -
Wade Trim	1336		70	358	26			280	268	100												186	24	24	\$ 245,730	\$ 1,000.00	\$ 246,730	
Applied Science	98																4	20	40	24	10				\$ 12,740		\$ 12,740	
NTH	124				22			64	14														16	8	\$ 17,860	\$ 300.00	\$ 18,160	
TASK 4 - BIDDING	0																									\$ -	\$ -	\$ -
Wade Trim	143		19	22	24			44		30													4	\$ 28,475	\$ 300.00	\$ 28,775		
Applied Science	24																	8	8	8					\$ 3,160		\$ 3,160	
NTH	40				4			16	12														8	\$ 5,600	\$ 300.00	\$ 5,900		
TASK 5 - CONSTRUCTION ADMIN	0																									\$ -	\$ -	\$ -
To Be Determined	0																									\$ -	\$ -	\$ -
Sub - Totals	2755	0	173	540	136	18	0	664	428	0	186	0	0	0	0	0	8	84	88	56	250	58	66	\$ 489,545	\$ 5,170	\$ 494,715		
Bill Rate	\$ 290	\$ 265	\$ 265	\$ 215	\$ 175	\$ 155	\$ 135	\$ 155	\$ 105	\$ 205	\$ 155	\$ 185	\$ 190	\$ 140	\$ 100	\$ 185	\$ 170	\$ 125	\$ 100	\$ 120	\$ 100	\$ 90				ODC	\$ 5,170	
	\$ -	\$ 45,845	\$ 143,100	\$ 29,240	\$ 3,150	\$ -	\$ 89,640	\$ 66,340	\$ -	\$ 38,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,480	\$ 14,280	\$ 11,000	\$ 5,600	\$ 30,000	\$ 5,800	\$ 5,940	\$ 489,545			5% Sub Mark Up	\$ 5,257	
																										TOTAL	\$ 499,972	

Clean Water Revolving Funds SRF/SWQIF Project Plan Submittal Form

Name of the Project Eight and One-Half Mile Relief Drain Drainage District Chapaton Retention Treatment Basin – Chapaton Treatment Canal Rehabilitation	Applicant's Federal Employer Identification Number (EIN) 38-6004868
Legal Name of Applicant (The legal name of the applicant may be different than the name of the project. For example, a county may be the applicant for bonding purposes, while the project may be named for the particular village or township it serves.) Eight and One-Half Mile Relief Drain Drainage District	Areas Served by this Project Counties <u>Macomb County</u> Congressional Districts <u>10</u> State Senate Districts <u>11 and 12</u> State House Districts <u>11 and 12</u>
Address of Applicant (Street, P O Box, City, State & Zip) 21777 Dunham Road, Clinton Township, MI 48306	Associated SAW Grant Number 1173-01
NPDES Permit Number MI0025585	Associated SAW Grant Number 1173-01
Brief Description of the SRF/SWQIF Project – The loan will be used to rehabilitate the Chapaton Treatment Canal, which was last rehabilitated in the early 2000s, replacing the Chapaton Canal Control Structure gates and associated building and electrical components, and raising the top of the Chapaton Treatment Canal above the 500-year flood elevation. The purpose of the project is to provide resiliency for the area surrounding the canal and improve water quality.	
Disadvantaged Community Determination <input type="checkbox"/> The applicant is requesting a disadvantaged community determination, and a completed <i>Disadvantaged Community Status Determination Worksheet</i> is attached. Not included. Previous review indicated that the District does not qualify	
Estimated Total Cost of the SRF/SWQIF Project Total: \$21,770,000 SRF Request: \$17,007,100	SRF/SWQIF Construction Start Target Date July 2023
Name and Title of Applicant's Authorized Representative Brian Baker Chief Deputy Macomb County Public Works Commissioner	
Address of Authorized Representative (if different from above)	Telephone 586-469-5325 E-Mail Address brian.baker@macombgov.org
Signature of Authorized Representative	Date
Joint Resolution(s) of Project Plan Adoption/Authorized Representative Designation is attached. check here <input checked="" type="checkbox"/>	

A final project plan, prepared and adopted in accordance with the Department's *Clean Water Revolving Funds (SRF and SWQIF) Project Plan Preparation Guidance*, must be submitted by July 1st in order for a proposed project to be considered for placement on a Project Priority List for the next fiscal year. Please send your final project plan with this form to:

WATER INFRASTRUCTURE FINANCING SECTION
 FINANCE DIVISION
 MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
 P O BOX 30457
 LANSING MI 48909-7957

Project Useful Life and Cost Analysis Certification Form

Project Information

Applicant Name:

Eight and One-Half Mile Relief Drain Drainage District

SRF Project to be Funded:

Chapaton Retention Treatment Basin – Chapaton Treatment Canal Rehabilitation

Per Section 602(b)(13) of the Federal Water Pollution Control Act (FWPCA), all Clean Water State Revolving Fund (CWSRF) assistance recipients must certify that they have conducted the studies and evaluations described in 602(b)(13)(A) and (B), collectively known as a cost and effectiveness analysis.

- 1) The applicant has studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under the CWSRF; and
- 2) The applicant has selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account the cost of:
 - constructing the project or activity;
 - operating and maintaining the project or activity over the life of the project; and
 - replacing the project or activity.
- 3) The applicant has completed a Project Useful Life analysis for the project or activity.

I certify that requirements (1), (2), and (3) as checked above have been met.

Maria E. Sedki, PE

Name of Professional Engineer (*Please Print or Type*)



Signature of Professional Engineer

5/3/2022

Date

Brian Baker, Chief Deputy Macomb County Public Works Commissioner

Name and Title of Authorized Representative (*Please Print or Type*)

Signature of Authorized Representative

Date

6-05-19

Nine Mile Pump Station Project Narrative:

The Macomb County Public Works Office (MCPWO), on behalf of the Eight and One-Half Mile Relief Drain Drainage District (District), is proposing to construct a 600 cubic-foot-per-second firm capacity pump station adjacent to the Chapaton Pump Station (Chapaton) and the 28 million gallon Retention Treatment Basin (RTB) located at 23001 E. Nine Mile Road. The MCPWO Wastewater Master Plan and subsequent hydraulic modeling identified this project as a critical need for the District. When Lake St. Clair lake levels are high (as has been the case in recent years) Chapaton does not meet firm capacity as the station was originally conceived. The high lake levels prevent the gravity bypass from functioning as intended and the consequences of this inadequacy put thousands of upstream basements in St. Clair Shores and Eastpointe at risk of flooding. The proposed Nine Mile Pump Station project will be constructed to physically disconnect the sewer collection system from the effects of Lake St. Clair. Additional upgrades as part of the project will improve overall regional sewer system resiliency, increase electrical system redundancies, and reduce volume / improve water quality during overflow events.

The physical location of the proposed pump station is constrained by a) the location of the influent 15-foot x 8-foot box culvert and b) the location of the existing RTB. Construction of the proposed Nine Mile Pump Station entirely on District property is not feasible because of these constraints. As such, the District is petitioning the City of St. Clair Shores to abandon the portion of E. Nine Mile Road adjacent to this project to facilitate construction. This stretch of road is not thought to be an asset to the City as it currently is in disrepair and simply dead-ends at its easterly end. It should be noted that the existing boat launch on the District property will be preserved and enhanced as part of this project. New approaches will be constructed to facilitate access across the RTB deck to the boat launch. MCPWO has made significant coordination efforts with the adjacent property owner and has reached an agreement for the entirety of the vacated right-of-way to revert to District ownership. The noted agreement is attached.

AGREEMENT TO VACATE A PORTION OF E. NINE MILE ROAD

This Agreement to Vacate a Portion of E. Nine Mile Road (“Agreement”) is made by and between the Intra-County Drainage Board for the 8 ½ Mile Relief Drain Drainage District, whose address is c/o Macomb County Public Works, 21777 Dunham Road, Clinton Township, Michigan 48036 (the “Drainage District”), and St. Clair Land Development, L.L.C., a Michigan limited liability company (“St. Clair Land”) (the Drainage District and St. Clair Land are sometimes herein individually referred to as a “Party” or collectively referred to as the “Parties”).

WHEREAS, the Drainage District is the owner of real property situated in the City of St. Clair Shores, County of Macomb, State of Michigan known as Parcel IDs #09-14-35-103-005 and #09-14-35-251-001 (“Drainage District Parcel”), where the Drainage District operates the Chapaton Pump Station, retention treatment basin, and associated appurtenances.

WHEREAS, St. Clair Land is the owner of real property situated in the City of St. Clair Shores, County of Macomb, State of Michigan lying south of E. Nine Mile Road (the “St. Clair Land Parcel”), with a Parcel ID # to be assigned upon completion of a Tax Split (as hereinafter defined) from Parcel ID #09-14-35-104-091 which includes the St. Clair Land Parcel and the property owned by Shore Club Apartments, L.L.C. (“Shore Club”), where the Shore Club apartment complex and marina are located (the “Shore Club Parcel”).

WHEREAS, the Drainage District Parcel and the St. Clair Land Parcel (collectively the “Parcels”) are adjacent to each other and separated by E. Nine Mile Road, a public road owned by the City of St. Clair Shores (“City”).

WHEREAS, the Drainage District desires to improve the Drainage District Parcel which will include the construction and operation of a new pump station to be named the Nine Mile Pump Station.

WHEREAS, the Drainage District’s plan to improve the Drainage District Parcel requires that a portion of E. Nine Mile Road between the Drainage District Parcel and the St. Clair Land Parcel be vacated.

WHEREAS, the Parties have reached an agreement regarding the proposed vacation of E. Nine Mile Road and other related matters involving the improvement of the Drainage District Parcel subject to the terms herein.

NOW, THEREFORE, in consideration of the following mutual covenants and conditions, the Parties, intending to be legally bound hereby for themselves and their successors, and assigns, agree to the following:

1. **Vacation of E. Nine Mile Road.** As part of the Drainage District’s improvement of the Drainage District Parcel, a portion of E. Nine Mile Road, as depicted and legally described in **Exhibit A** attached hereto (“Proposed Vacation Area”), must be vacated.
 - a. **Administrative Vacation/Court Order.** The Drainage District shall first pursue to have the Proposed Vacation Area vacated through the administrative process with the City until the City renders a decision on the vacation. In the event that the

administrative vacation does not result in the Proposed Vacation Area being vacated within three months from the date of this Agreement (the “Vacation Period”), this Agreement shall terminate, unless the Parties mutually agree to an extension. Prior to the expiration of the Vacation Period, the Drainage District shall have the option, in its sole discretion, to seek to have the Proposed Vacation Area vacated by court order, in which event this Agreement shall terminate and the Parties shall mutually agree upon terms of any cooperation going forward with regard to the Nine Mile Pump Station.

- b. **St. Clair Land Will Cooperate and not Object.** During the term of this Agreement, St. Clair Land agrees to fully cooperate with and not object to the Drainage District’s efforts to have the Proposed Vacation Area vacated either administratively with the City of St. Clair Shores or through the court process. St. Clair Land agrees to cooperate with the Drainage District’s efforts and execute any and all documents and to take all additional actions that may be necessary or appropriate (at no cost or expense to St. Clair Land) to give full force and effect to the terms and intent of this Agreement and to have the Proposed Vacation Area vacated.
- c. **Reversion and Conveyance of Vacated E. Nine Mile Road.** Pursuant to Michigan law and as an intended consequence of the Proposed Vacation Area being vacated, a portion of the Proposed Vacation Area will revert to St. Clair Land as an abutting landowner which real property is depicted and legally described in **Exhibit B** attached hereto (“St. Clair Land Reversion Area”). Provided all other terms and conditions of this Agreement have been satisfied, immediately upon the reversion of the St. Clair Land Reversion Area to St. Clair Land, St. Clair Land shall convey to the Drainage District the St. Clair Land Reversion Area via quit claim deed for One and 00/100 Dollar (\$1.00) and such other valuable consideration as provided for herein. This shall result in the Proposed Vacation Area reverting completely to the Drainage District which shall be combined with the Drainage District Parcel. Other than the consideration recited herein, St. Clair Land agrees to waive any and all present or potential future claims for compensation of any type whatsoever for the conveyance, including but not limited to just compensation and other statutory costs, fees or interest under the Michigan Uniform Condemnation Procedures Act, MCL 213.51.

2. Private Access Drives and Nine Mile Pump Station.

- a. **Installation and Maintenance.** As part of the construction of the Nine Mile Pump Station, the Drainage District shall construct at its sole expense, two private paved access drives, separated by a boulevard, as depicted on the Overall Site Layout Plan attached hereto as **Exhibit C**. The private paved access drive to the North shall be located on the Drainage District Parcel (formerly part of the St. Clair Land Reversion Area) (“Drainage District Private Access Drive”), the private paved access drive to the South shall be located on the St. Clair Land Parcel, such that the north line of the private access drive corresponds to the north line of the St. Clair Land parcel (“St. Clair Land Private Access Drive”), with the boulevard existing on the joint property line and with the powerlines currently located thereon to be removed and replaced, either above or below ground, by the utility provider on the boulevard between the private access drives. *See Exhibit C.*

The Drainage District Private Access Drive shall be for the sole and private use of the Drainage District. The Drainage District will own and be responsible, at its sole expense, for maintaining the Drainage District Private Access Drive in perpetuity. The Drainage District, in its sole discretion, may opt to restrict access to the Drainage District Private Access Drive to the public by installing a gate, traffic arm or other barricade. The Drainage District Private Access Drive shall be constructed in conjunction with the proposed Nine Mile Pump Station and it shall terminate at the limits of the Drainage District Parcel.

The St. Clair Land Private Access Drive shall be for the sole and private use of St. Clair Land. After the Drainage District's construction, St. Clair Land will own and be responsible, at its sole expense, for maintaining the St. Clair Land Private Access Drive in perpetuity. St. Clair Land, in its sole discretion, may opt to restrict access to the St. Clair Land Private Access Drive to the public utilizing the gate to be provided by the Drainage District's construction plans. The St. Clair Land Private Access Drive shall be constructed by the Drainage District in conjunction with the proposed Nine Mile Pump Station and it shall terminate as depicted in **Exhibit C**.

- b. **Shared Access Easement.** The Parties agree to enter into a permanent easement ("Permanent Easement") in regard to the Shared Access Drive connecting the remainder of Nine Mile Road to the Drainage District Private Access Drive and the St. Clair Land Private Access Drive (collectively referred to as the "Private Access Drives") as depicted and described in the attached **Exhibit D** ("Shared Private Access Drive"). The Drainage District and St. Clair Land will enter into an easement agreement that shall govern the use and maintenance of the Shared Private Access Drive as contemplated herein. The parties contemplate that the Drainage District will maintain the Shared Private Access Drive at its sole cost and expense. St. Clair Land shall have authority under the Permanent Easement to grant access to licensees, including, but not limited to the owners, residents, contractors, agents, representatives, successors and assigns of Shore Club.
- c. **Construction.** The Drainage District shall engage professional services and contractors and utilize materials approved by the applicable governmental agencies with authority over the proposed Nine Mile Pump Station, Temporary Access Drive (defined below), the Private Access Drives and the Shared Access Drive (collectively, the "Project") and any encroachment on the St. Clair Land Parcel that may or could occur during the construction of the Project, in order to assure that the Project is constructed and maintained as required by the governmental agencies. The Drainage District will cause all professionals, service providers, vendors and contractors engaged by or on behalf of the Drainage District, for the Project, including, but not limited to the construction managers, engineers, surveyors, architects, consultants, environmental consultants and/or remediation firms, construction contractors, and suppliers (the "Project Contractors"), to maintain general liability and property insurance coverages mutually agreeable to the Drainage District and St. Clair Land, which will include St. Clair Land as an additional insured, entitled to at least 30 days advance notice of the

cancellation of any such insurance. The Drainage District consents to commit to engage Project Contractors qualified to do the work for which they are engaged and to require the Project Contractors to include an indemnification provision in their contract(s) as set forth hereinbelow.

- d. **Drainage District Indemnification.** The Drainage District agrees to indemnify and hold harmless St. Clair Land, and at St. Clair Land's option, defend it from and against any and all claims, actions, damages, liability and expense, including attorney and other professional fees, in connection with any claims causes of action, damages, losses, liabilities, costs and expenses (including reasonable attorney fees, costs and expenses), loss of life, personal injury and/or damage to property and any cause of action or legal proceeding for violation of any laws, state, federal or otherwise, including violations of the Americans with Disabilities Act, arising from or out of either or both (i) the gross negligence or willful misconduct of the Drainage District and/or its officers, agents, independent contractors, employees, invitees and/or its Project Contractors; or (ii) the manner of use by the Drainage District and/or its Project Contractors of the Proposed Vacation Area, Staging Area, Shared Access Drive, Temporary Access Drive, Permanent Easement, Drainage District Private Access Drive, and the St. Clair Land Private Access Drive (prior to turning it over to St. Clair Land for its exclusive use and enjoyment), or any part thereof, or adjacent thereto, occasioned wholly or in part by an act or omission of the Drainage District and/or its Project Contractors in furtherance of the Project ("Claims"). The Drainage District's indemnification does not extend to liability for claims, actions, damages or expense resulting from the gross negligence of St. Clair Land or its intentional misconduct or the intentional misconduct of St. Clair Land's officers, agents, employees and/or invitees. The Drainage District shall cause its contracts with the Project Contractors to include an indemnification provision such that each shall indemnify and hold harmless St. Clair Land, and at St. Clair Land's option, defend it from and against any Claims, which indemnification shall extend to any use and/or occupancy of the Staging Area and/or other land owned by St. Clair Land, by any of the Project Contractors.
- e. **St. Clair Land Indemnification.** St. Clair Land agrees to indemnify and hold harmless the Drainage District, and at the Drainage District's option, defend it from and against any and all claims, actions, damages, liability and expense, including attorney and other professional fees, in connection with any claims, causes of action, damages, losses, liabilities, costs and expenses (including reasonable attorney fees, costs and expenses), loss of life, personal injury and/or damage to property and any cause of action or legal proceeding for violation of any laws, state, federal or otherwise, including violations of the Americans with Disabilities Act, arising from or out of the gross negligence or willful misconduct of St. Clair Land and/or its officers, agents, independent contractors, employees, invitees and/or licensees. St. Clair Land's indemnification does not extend to liability for claims, actions, damages or expense resulting from the gross negligence and/or intentional misconduct of the Drainage District or the Project Contractors, nor shall it extend to the manner of use by and/or negligence of the Drainage District and/or the Project Contractors and their respective officers, agents, employees and/or invitees in furtherance of the Project, on the

Proposed Vacation Area, Staging Area, Permanent Easement, Shared Access Drive, Temporary Access Drive, Drainage District Private Access Drive, at any time, and/or the St. Clair Land Private Access Drive and/or Staging Area (as hereinafter defined) during construction of the Project and any time prior to the turnover of these areas to St. Clair Land for its exclusive use and enjoyment.

3. **St. Clair Land Parcel.**

- a. **Connection to Sanitary Sewer.** Simultaneous with the construction of the Project, the Drainage District will construct, install and connect, at its sole expense, a sanitary sewer connection and any related facilities between St. Clair Land's Warehouse and the public sanitary sewer located within the E. Nine Mile Road Right-of-Way ("Sanitary Sewer Connection"). To the extent that municipal approvals are required for the Sanitary Sewer Connection, the Drainage District will, upon execution of this Agreement, promptly prepare and pay for all costs and expenses for any and all necessary and/or appropriate applications, surveys, permitting and approval requirements. St. Clair Land will cooperate in executing any documentation necessary and/or appropriate to accomplish these purposes. Upon completion of the Sanitary Sewer Connection, St. Clair Land shall assume ownership of same and shall be responsible for the maintenance and cost to maintain the sanitary sewer connection, and the Drainage District shall have no further obligation in regard to the sanitary sewer connection whatsoever. To the extent that St. Clair Land is required to transfer or dedicate the improvements associated with the sanitary sewer connection to the City of St. Clair Shores in accordance with any law, ordinance or regulation, St. Clair Land is solely responsible for complying with same and indemnifies and holds the Drainage District harmless, including reimbursement of costs and actual attorney fees, from any such enforcement action or proceeding.
- b. **Temporary Access Drive.** During construction of the proposed Nine Mile Pump Station, the Drainage District will install, if necessary, a one-lane gravel access drive as necessary to ensure St. Clair Land's access is maintained to the northerly overhead door of St. Clair Land's Warehouse located on the St. Clair Land Parcel ("Temporary Access Drive"). The area of the St. Clair Land Parcel disturbed by the installation of the Temporary Access Drive under this Agreement shall be restored by the Drainage District, by its Project Contractors, to substantially the same condition as existed immediately prior to the construction of the Temporary Access Drive.
- c. **St. Clair Land Parcel Tax ID Number.** The Parties acknowledge that St. Clair Land has submitted an application for the designation of a separate tax parcel ID number for the St. Clair Land Parcel (the "Tax Split") which was granted by the City on March 21, 2022..
- d. **Staging Area.** The Parties agree to enter into a temporary easement such that during the construction of the Nine Mile Pump Station, St. Clair Land will grant a temporary easement to the Drainage District over a portion of the St. Clair Land Parcel as depicted and legally described in **Exhibit E** attached hereto ("Staging Area"). The temporary

easement granted for the Staging Area shall expire on the date that is twenty-four (24) months from the date the Drainage District or its Project Contractors first utilize the Staging Area as contemplated herein, or upon completion of the construction of the Nine Mile Pump Station, which ever first occurs (“Initial Easement Period”). Should the Drainage District have need of additional time for use of the Staging Area, the Drainage District shall provide St. Clair Land with thirty (30) days advance written notice of its intention to extend the Initial Easement Period for an additional period in consideration of a Use Fee of Five Thousand (\$5,000.00) per month, to be paid on the first day of each calendar month, for each additional month following the Initial Easement Period but not to exceed an additional eighteen (18) month period, which shall include final grading and grass seeding of the Staging Area. The Drainage District, its agents, representatives, employees, contractors and Project Contractors shall restore the Staging Area to substantially the same condition as existed immediately prior to the construction of the Nine Mile Pump Station.

4. **Conditions Precedent.** The Parties acknowledge and agree that transfer of the St. Clair Land Reversion Area to the Drainage District is subject to satisfaction of all of the following:
 - a. Completion of governmental approvals and permits for vacating the Proposed Vacation Area;
 - b. Completion of governmental approvals and permits for the Sanitary Sewer Connection;
 - c. Mutual Agreement to the Permanent Easement described and depicted in **Exhibit D**; and
 - d. Mutual Agreement to the Temporary Easement described and depicted in **Exhibit E**.
5. **Notice.** All notices provided for in this Agreement shall be in writing and shall be given either (a) by actual delivery of the notice to the party entitled thereto with a copy by email, or (b) by depositing the same with the United States Postal Service, certified mail, return receipt requested, postage prepaid, to the address of the Party entitled thereto with a copy by email, or (c) by overnight delivery service. The notice shall be deemed to have been received (a) on the date of its actual receipt by the party entitled thereto, or (b) two (2) days after the date of its deposit with the United States Postal Service and email confirmation receipt.

For the Drainage District service shall be provided to:

Brian Baker
Chief Deputy Macomb County Public Works
21777 Dunham Road
Clinton Township, MI 48036
Brian.Baker@macombgov.org

With a courtesy copy to:

Benjamin J. Aloia, Esq.
48 South Main Street, Suite 3
Mount Clemens, MI 48043
aloia@aloia.law

For St. Clair Land:

Dimitrios Papas
1216 Beaubien
Detroit, MI 48226

With a courtesy copy to:

Marie T. Racine, Esq.
Racine & Associates
1001 Woodward Ave., Ste 1100
Detroit, MI 48226
mracine@racinelaw.us

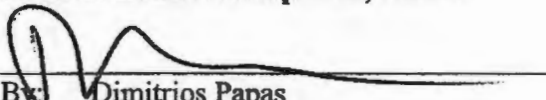
6. **Acknowledgment of Free, Voluntary, and Informed Execution.** The Parties acknowledge that they have read and fully understand the terms of this Agreement and/or have had it reviewed and approved by their counsel of choice, with adequate opportunity and time for such review; that this Agreement has been the result of negotiations, and; that the Parties are fully aware of the contents and of the legal effect of this Agreement. Accordingly, this Agreement will not be construed against any of the Parties on the grounds that said Party drafted this Agreement. Instead, this Agreement will be interpreted as though drafted equally by all of the Parties. The Parties acknowledge that they are entering into this Agreement freely and voluntarily and that except as expressly set forth in this Agreement, no representations of any kind or character have been made to the Parties by others to induce them to execute this Agreement. The Parties further state that they are voluntarily entering into this Agreement without coercion, intimidation or threat of retaliation.
7. **Entire Agreement.** This Agreement embodies the entire agreement between the Parties with respect to its terms and conditions and supersedes all negotiations, representations, promises, inducements, and understandings of any kind or nature prior to the Effective Date of this Agreement as defined below. This Agreement supersedes and annuls any and all other or former agreements, contracts, promises, or representations, whether written or oral, expressed or implied, made by, for, or on behalf of the Parties. Other than as stated in this Agreement, there are no other agreements, written or oral, express or implied, between the Parties. This Agreement shall run with the land of the Parcels and be binding upon the heirs, personal representatives, successors and assigns of the Parties, as holders of the legal title to the Parcels. Any and all Exhibits referenced herein are made a part of this Agreement.
8. **No-Oral-Modification Clause.** This Agreement may not be altered, superseded, or otherwise modified except by a written modification signed by all Parties.
9. **Waiver.** Failure by any of the Parties to enforce any of the remedies provided to it in this Agreement will not be deemed a waiver of those rights.

10. **Authorized Representatives.** The individuals executing this Agreement warrant that they are duly authorized and fully empowered to execute this Agreement on behalf of the respective Parties.
11. **Agreement to be construed in accordance with Michigan Law.** This Agreement shall be construed in accordance with the laws of the State of Michigan. If any provision of this Agreement is declared invalid by any court, then such provision shall be deemed automatically adjusted to conform to the requirements for validity as declared at such time and, as so adjusted, shall be deemed a provision of this Agreement as though originally included herein. In the event that the provision invalidated is of such a nature that it cannot be so adjusted, the provision shall be deemed deleted from this Agreement as though the provision had never been included herein. In either case, the remaining provisions of this Agreement shall remain in full force and effect. Any disputes relating to this Agreement shall be adjudicated in the applicable federal or state court in the County of Macomb, Michigan.
12. **Execution in Counterparts.** This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same Agreement. Counterparts executed and transmitted by facsimile, PDF, doc-u-sign or computerized image shall be deemed originals.
13. **Effective Date.** The effective date of this Agreement will be the date on which the last of the Parties signs it.
14. **Run with the land.** This Agreement shall run with the land of both Parcels and be binding upon the heirs, personal representatives, successors and assigns of the Parties, as holders of the legal title to the Parcels.

**Intra-County Drainage Board for the
8 ½ Mile Relief Drain Drainage District**

By: Candice S. Miller
Its: Board Chairperson
Dated:

St. Clair Land Development, L.L.C.



By: Dimitrios Papas
Its: Managing Member
Dated:

EXHIBIT A

PROPOSED RIGHT-OF-WAY VACATION

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN



BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	<p>Proposed Right-of-Way Vacation City of St. Clair Shores, Macomb County, Michigan</p> <p>Part of Private Claims 599 and 623 Town 1 North, Range 13 East</p>	<p>PROJECT NO. 210764</p>
		<p>FIGURE NO. 1 of 2</p>
		<p>09/23/2021</p>

PROPOSED RIGHT-OF-WAY VACATION

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN

PORTION OF NINE MILE ROAD TO BE VACATED:

THAT PORTION OF NINE MILE ROAD IN PRIVATE CLAIM 599 AND 623, TOWN 1 NORTH, RANGE 13 EAST, CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN, DESCRIBED AS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 27, FAIR HARBOR SUBDIVISION OF PART OF PRIVATE CLAIM 599, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY, RECORDS; THENCE ALONG THE NORTH LINE OF LOTS 27 THROUGH 46 OF SAID FAIR HARBOR SUBDIVISION, SOUTH 70°00'00" EAST 710.21 FEET; THENCE NORTH 19°56'18" EAST 51.76 FEET TO THE NORTH RIGHT-OF-WAY LINE OF 9 MILE ROAD; THENCE ALONG SAID NORTH LINE, NORTH 70°03'40" WEST 710.16 FEET; THENCE SOUTH 20°00'00" WEST 51.00 FEET TO THE POINT OF BEGINNING.

CONTAINS 36,490 SQUARE FEET, MORE OR LESS.

BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

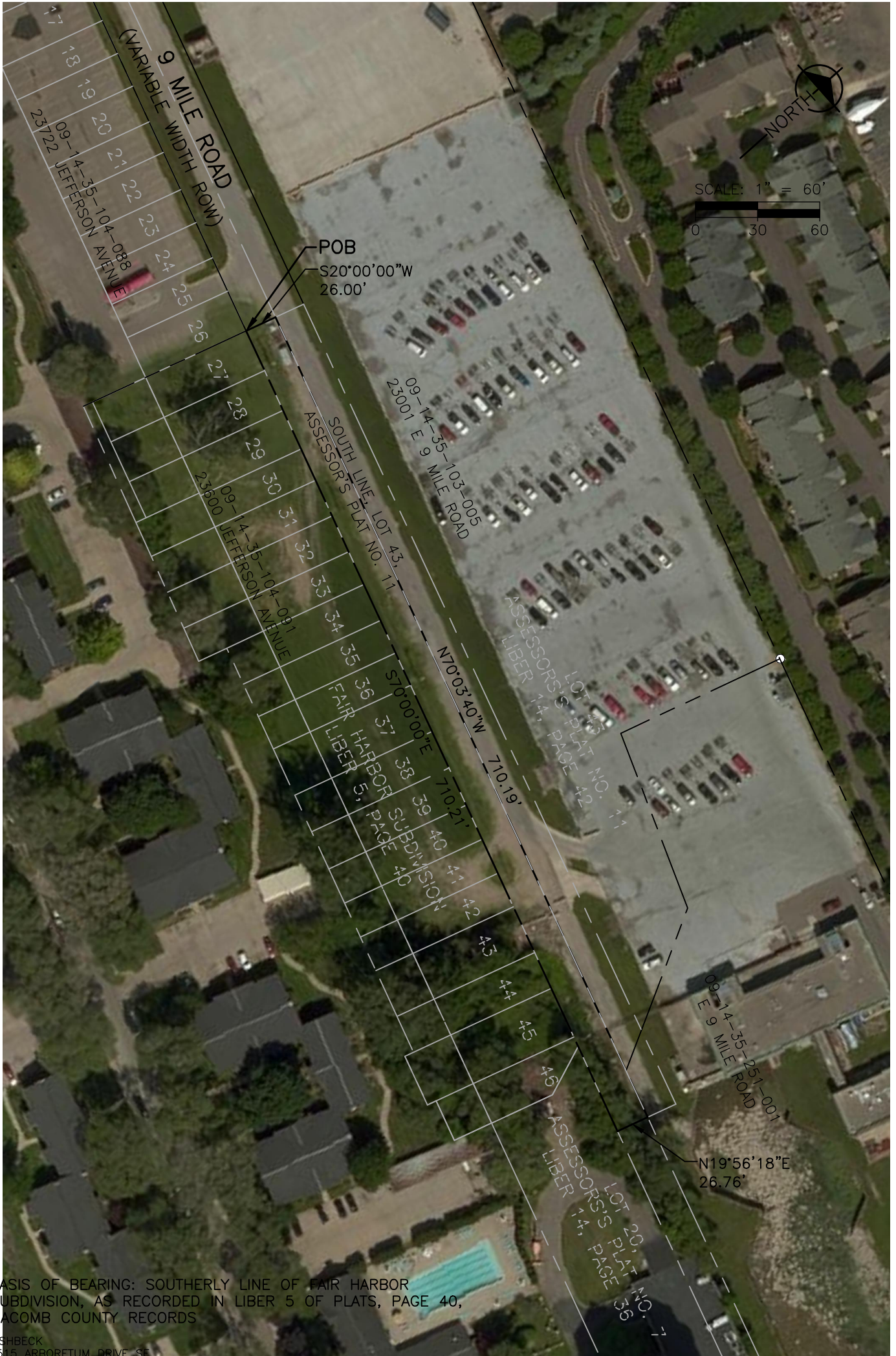
FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	Proposed Right-of-Way Vacation City of St. Clair Shores, Macomb County, Michigan		PROJECT NO.
			210764
	Part of Private Claims 599 and 623 Town 1 North, Range 13 East	09/23/2021	FIGURE NO.
			2 of 2

EXHIBIT B

PROPOSED PROPERTY EXHIBIT

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN



BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ABBOTTEUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	Proposed Property Exhibit City of St. Clair Shores, Macomb County, Michigan	PROJECT NO. 210764
	Part of Private Claims 599 and 623 Town 1 North, Range 13 East	FIGURE NO. 1 of 2
		09/23/2021

©Copyright 2021 All Rights Reserved Hard copy is intended to be 8.5"x14" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.
PLOT INFO: Z:\2021\210764\CAD\SURVEY\210764 PROPOSED PROPERTY TO SHORE CLUB.DWG

PROPOSED PROPERTY EXHIBIT

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN

PORTION OF NINE MILE ROAD TO BE CONVEYED:

THAT PORTION OF NINE MILE ROAD IN PRIVATE CLAIM 599 AND 623, TOWN1 NORTH, RANGE 13 EAST, CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN, DESCRIBED AS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 27, FAIR HARBOR SUBDIVISION OF PART OF PRIVATE CLAIM 599, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY, RECORDS; THENCE ALONG THE NORTH LINE OF LOTS 27 THROUGH 46 OF SAID FAIR HARBOR SUBDIVISION, SOUTH 70°00'00" EAST 710.21 FEET; THENCE NORTH 19°56'18" EAST 26.76 FEET TO THE SOUTH LINE OF LOT 43, ASSESSORS PLAT NO. 11, AS RECORDED IN LIBER 14 OF PLATS, PAGE 42, MACOMB COUNTY RECORDS; THENCE ALONG SAID SOUTH LINE, NORTH 70°03'40" WEST 710.19 FEET; THENCE SOUTH 20°00'00" WEST 26.00 FEET TO THE POINT OF BEGINNING.

CONTAINS 18,736 SQUARE FEET, MORE OR LESS.

BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE


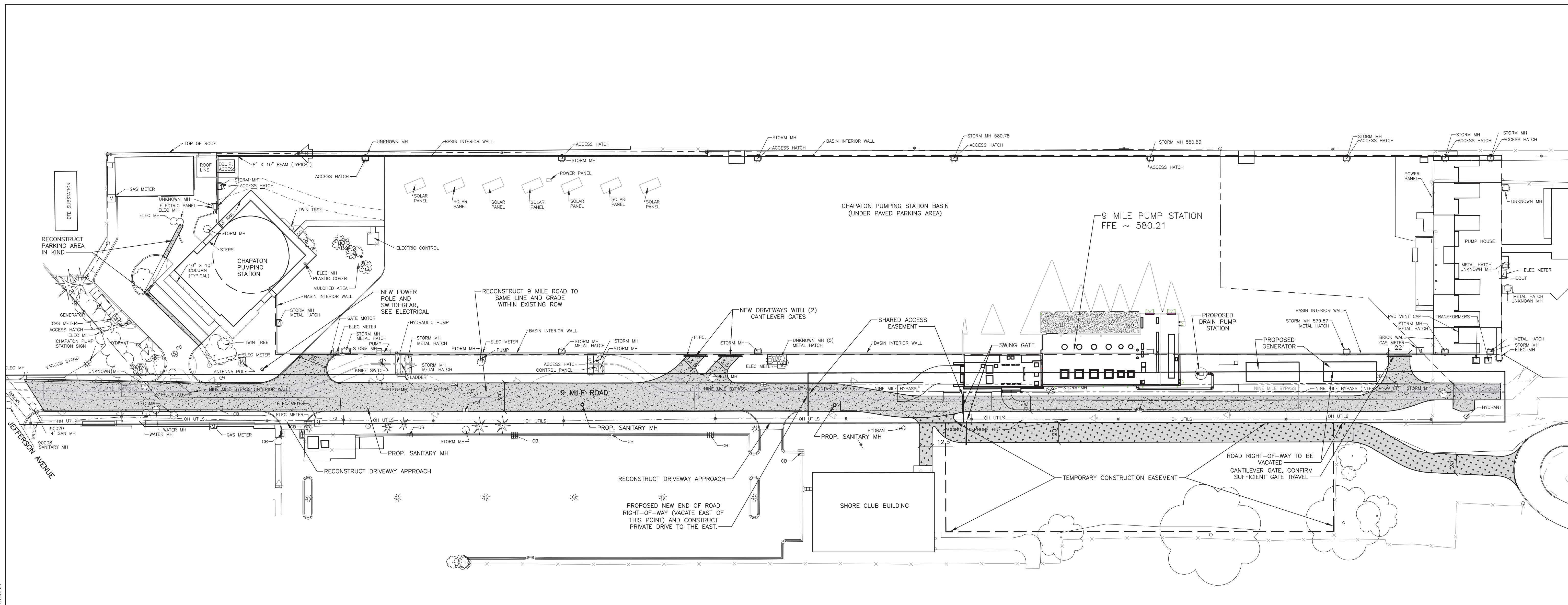
	Proposed Property Exhibit City of St. Clair Shores, Macomb County, Michigan		PROJECT NO.
			210764
	Part of Private Claims 599 and 623 Town 1 North, Range 13 East		FIGURE NO.
			2 of 2
		09/23/2021	

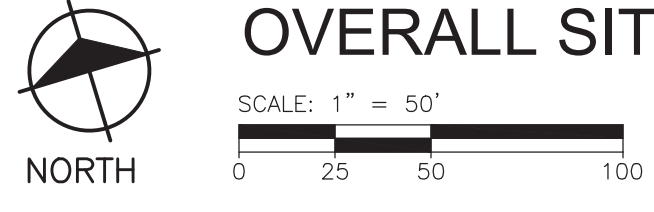
EXHIBIT C

PLOT INFO: Z:\2021\210764\CAD\GD\201210764 SITE.DWG LAYOUT: C-201 DATE: 3/31/2022 TIME: 2:58:43 PM USER: TOSMAN



SYMBOL LEGEND

	NEW CONCRETE PAVEMENT & INTEGRAL CURB (PER CITY OF ST. CLAIR SHORES STANDARD DETAILS)
	NEW CONCRETE PAVEMENT ON SHORE CLUB PROPERTY



OVERALL SITE LAYOUT PLAN

BENCHMARKS

BENCH MARK A	ELEVATION: 581.04 CHISELED X ON UPPER NE FLANGE BOLT ON HYDRANT, NORTH SIDE OF 9 MILE ROAD, WEST SIDE OF ENTRANCE TO PUMP STATION BUILDING
BENCH MARK B	ELEVATION: 582.73 COTTON SPINDLE IN SOUTH SIDE OF UTILITY POLE, 75 FEET NE'LY OF PUMP STATION BUILDING CORNER
BENCH MARK C	ELEVATION: 579.13 COTTON SPINDLE IN NORTH SIDE OF UTILITY POLE, SOUTH SIDE OF 9 MILE ROAD, ACROSS FROM ENTRANCE TO BOAT LAUNCH
BENCH MARK D	ELEVATION: 582.97 COTTON SPINDLE IN SOUTH SIDE OF UTILITY POLE, NORTH SIDE OF BIT DRIVE TO BOAT LAUNCH, 1ST POLE EAST OF EAST CHAPATON BUILDING
BENCH MARK E	ELEVATION: 582.36 ARROW ON HYDRANT AT NW CORNER OF BOAT LAUNCH PARKING

NOT FOR CONSTRUCTION REVIEW ONLY

9 MILE ROAD OVERALL SITE LAYOUT PLAN
EIGHT AND ONE-HALF MILE RELIEF DRAIN DRAINAGE DISTRICT
9 MILE PUMP STATION
St. Clair Shores, Michigan

MACOMB COUNTY PUBLIC WORKS COMMISSIONER
CANDICE S. MILLER
21777 Dunham Road, Clinton Township, MI 48036

ENGINEER
fishbeck
TETRA TECH
FKE

REV.	BY	DATE	DESCRIPTION
01	TLO	03/18/22	REV. 60% REVIEW
02	TLO	03/31/22	REV. 60% REVIEW

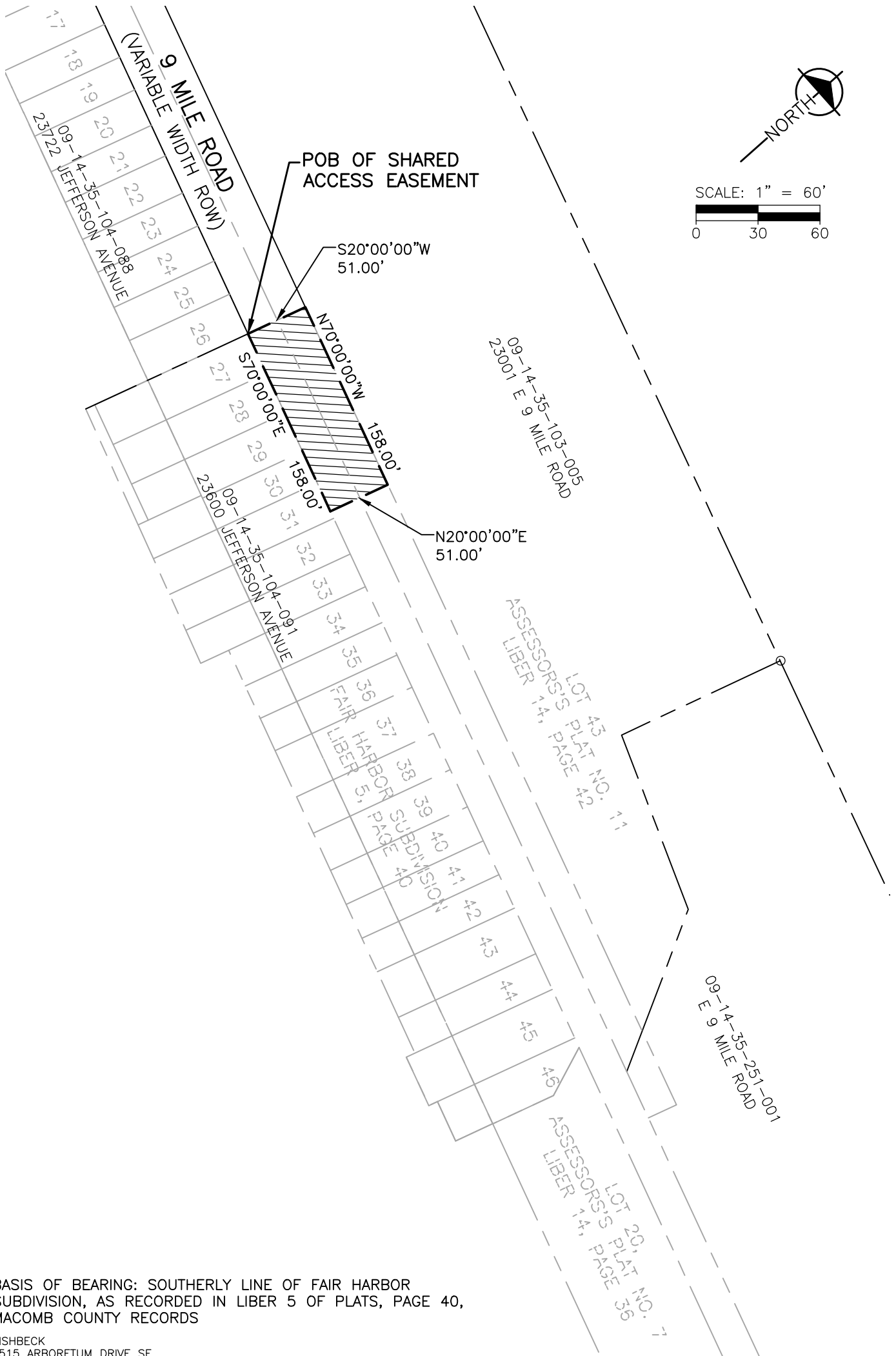
PROJECT NO. **WWS-2021-004** SCALE **1" = 50'** SHEET NO. **C-201**

FISHBECK - MACOMB OFFICE
45200 CARD ROAD, SUITE 128
MACOMB TOWNSHIP, MI 48044
248.324.2140

EXHIBIT D


PROPOSED SHARED ACCESS

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN



BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	Proposed Shared Access City of St. Clair Shores, Macomb County, Michigan	PROJECT NO. 210764
	Part of Private Claims 599 and 623 Town 1 North, Range 13 East	FIGURE NO. 1 of 2
		03/21/2022

PROPOSED SHARED ACCESS

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN

PROPOSED SHARED ACCESS:

THAT PORTION OF VACATED NINE MILE ROAD IN PRIVATE CLAIM 599 AND 623, TOWN 1 NORTH, RANGE 13 EAST, CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN, DESCRIBED AS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 27, FAIR HARBOR SUBDIVISION OF PART OF PRIVATE CLAIM 599, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY, RECORDS; THENCE ALONG THE NORTH LINE OF LOTS 27 THROUGH 31 OF SAID FAIR HARBOR SUBDIVISION, SOUTH 70°00'00" EAST 158.00 FEET; THENCE NORTH 20°00'00" EAST 51.00 FEET; THENCE NORTH 70°00'00" WEST 158.00 FEET; THENCE SOUTH 20°00'00" WEST 51.00 FEET TO THE POINT OF BEGINNING.

CONTAINS 8,058 SQUARE FEET, MORE OR LESS.

BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE


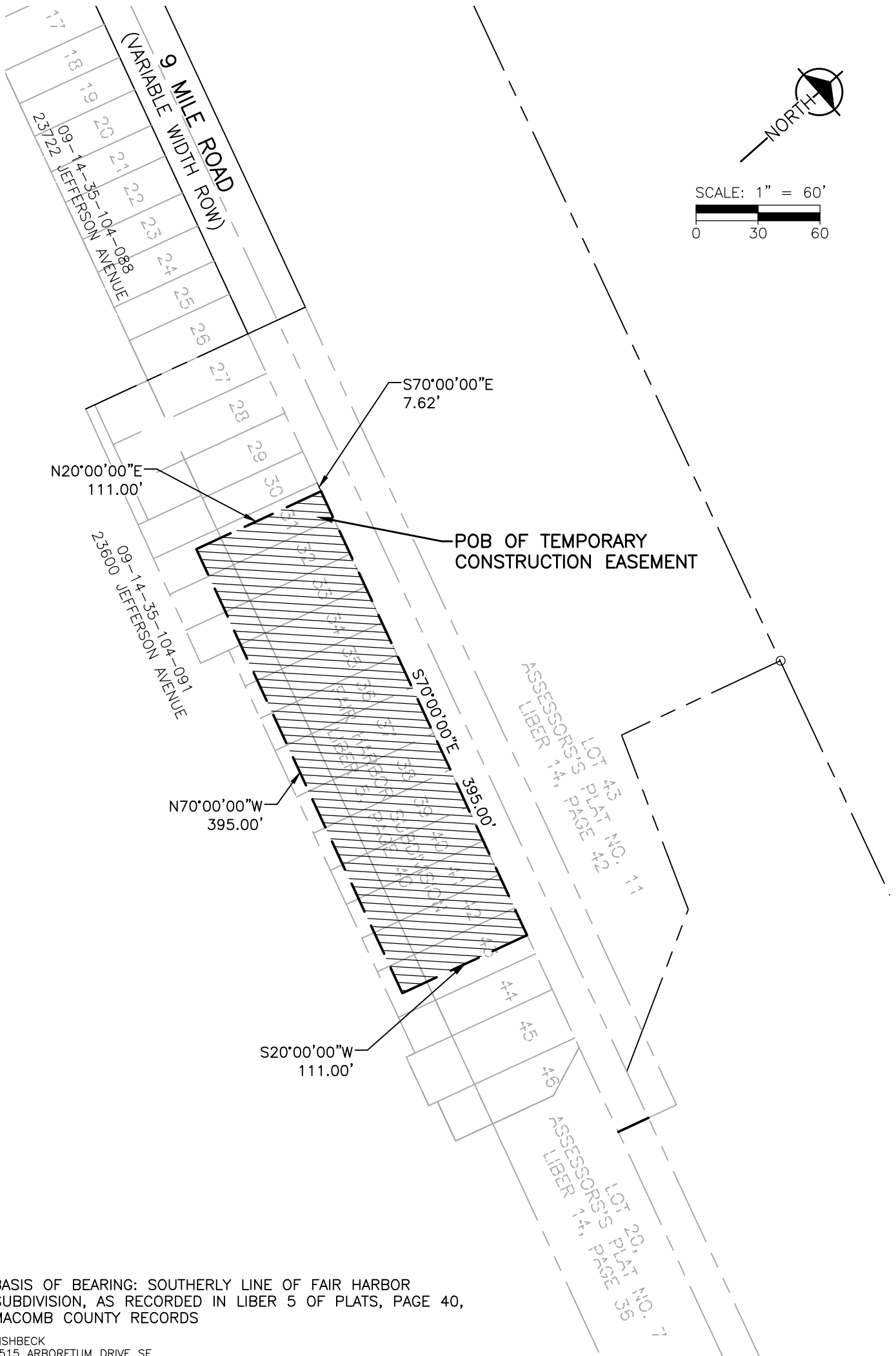
	Proposed Shared Access City of St. Clair Shores, Macomb County, Michigan		PROJECT NO.
			210764
	Part of Private Claims 599 and 623 Town 1 North, Range 13 East	03/21/2022	FIGURE NO.
			2 of 2

EXHIBIT E

TEMPORARY CONSTRUCTION EASEMENT

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN



BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR
SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40,
MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	<p>Proposed Construction Easement City of St. Clair Shores, Macomb County, Michigan</p> <hr/> <p>Part of Private Claims 599 and 623 Town 1 North, Range 13 East</p>	<p>PROJECT NO. 210764</p>
		<p>FIGURE NO. 1 of 2</p>
<p>03/31/2022</p>		

TEMPORARY CONSTRUCTION EASEMENT

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN

PROPOSED TEMPORARY CONSTRUCTION EASEMENT:

PART OF LOTS 31 THROUGH 43, FAIR HARBOR SUBDIVISION OF PART OF PRIVATE CLAIM 599, TOWN 1 NORTH, RANGE 13 EAST, CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY, RECORDS, DESCRIBED AS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 31, FAIR HARBOR SUBDIVISION OF PART OF PRIVATE CLAIM 599, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY, RECORDS; THENCE ALONG THE NORTH LINE OF SAID LOT 31, SOUTH 70°00'00" EAST 7.62 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING ALONG THE NORTH LINE OF SAID LOTS 31 THROUGH 43, SOUTH 70°00'00" EAST 395.00 FEET; THENCE SOUTH 20°00'00"W 111.00 FEET; THENCE NORTH 70°00'00" WEST 395.00 FEET; THENCE NORTH 20°00'00" EAST 111.00 FEET TO THE POINT OF BEGINNING.

CONTAINS 43,845 SQUARE FEET, MORE OR LESS.

BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	Proposed Construction Easement City of St. Clair Shores, Macomb County, Michigan	03/31/2022	PROJECT NO. 210764
			FIGURE NO. 2 of 2
Part of Private Claims 599 and 623 Town 1 North, Range 13 East			

CITY OF ST. CLAIR SHORES

27600 Jefferson Avenue
St. Clair Shores, MI 48081
586-447-3340 586-445-4098 (fax)
www.scsmi.net

REQUEST FOR VACATION

Candice S. Miller, Board Chairperson of the
I, 8 1/2 Mile Relief Drain Drainage District, owner/representative of owner, of property
described as 23001 E. Nine Mile, St. Clair Shores, MI 48080 / Parcel ID 09-14-35-103-005

Assessor's Plat No. 11 (L14, P42), Part of Lot 43
(lot number and subdivision)

do hereby request the City Council of the City of St. Clair Shores to vacate part of Nine
Mile Road platted right-of-way. Please reference the attached Exhibit A - Nine Mile Pump

Station Project Narrative.

and agree to pay the necessary charge of \$350* (CDI \$200, Clerk \$150) to cover the
expenses for a hearing.

REASON FOR REQUEST <u>construction of new Nine Mile Pump Station</u>	
<u>Benjamin J. Aloia, Esq. / Jeffrey M. Candela, Esq.</u>	
<u>Aloia Law</u>	<u>48 S. Main Street, Suite 3</u>
APPLICANT NAME	ADDRESS
<u>(586) 783-3300</u>	<u>Mount Clemens, MI 48043</u>
TELEPHONE	CITY, STATE, ZIP

Planning Commission Comments _____

Property more particularly described as: 23001 E. Nine Mile, St. Clair Shores, MI 48080
Parcel ID 09-14-35-103-005
Property located: Part of Private Claims 599 and 623, Town 1 North, Range 13 East, City of
St. Clair Shores, Macomb County, Michigan

EXHIBIT A

Nine Mile Pump Station Project Narrative:

The Macomb County Public Works Office (MCPWO), on behalf of the Eight and One-Half Mile Relief Drain Drainage District (District), is proposing to construct a 600 cubic-foot-per-second firm capacity pump station adjacent to the Chapaton Pump Station (Chapaton) and the 28 million gallon Retention Treatment Basin (RTB) located at 23001 E. Nine Mile Road. The MCPWO Wastewater Master Plan and subsequent hydraulic modeling identified this project as a critical need for the District. When Lake St. Clair lake levels are high (as has been the case in recent years) Chapaton does not meet firm capacity as the station was originally conceived. The high lake levels prevent the gravity bypass from functioning as intended and the consequences of this inadequacy put thousands of upstream basements in St. Clair Shores and Eastpointe at risk of flooding. The proposed Nine Mile Pump Station project will be constructed to physically disconnect the sewer collection system from the effects of Lake St. Clair. Additional upgrades as part of the project will improve overall regional sewer system resiliency, increase electrical system redundancies, and reduce volume / improve water quality during overflow events.

The physical location of the proposed pump station is constrained by a) the location of the influent 15-foot x 8-foot box culvert and b) the location of the existing RTB. Construction of the proposed Nine Mile Pump Station entirely on District property is not feasible because of these constraints. As such, the District is petitioning the City of St. Clair Shores to abandon the portion of E. Nine Mile Road adjacent to this project to facilitate construction. This stretch of road is not thought to be an asset to the City as it currently is in disrepair and simply dead-ends at its easterly end. It should be noted that the existing boat launch on the District property will be preserved and enhanced as part of this project. New approaches will be constructed to facilitate access across the RTB deck to the boat launch. MCPWO has made significant coordination efforts with the adjacent property owner and has reached an agreement for the entirety of the vacated right-of-way to revert to District ownership. The noted agreement is attached hereto and contains additional information related to this vacation request and the overall project.

PROPOSED RIGHT-OF-WAY VACATION

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN



BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	Proposed Right-of-Way Vacation City of St. Clair Shores, Macomb County, Michigan Part of Private Claims 599 and 623 Town 1 North, Range 13 East	PROJECT NO. 210764
		FIGURE NO. 1 of 2
09/23/2021		

©Copyright 2021 All Rights Reserved Hard copy is intended to be 8.5"x14" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size. PLOT INFO: Z:\2021\210764\CAD\SURVEY\210764 PROPOSED ROW VACATION.DWG

PROPOSED RIGHT-OF-WAY VACATION

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN

PORTION OF NINE MILE ROAD TO BE VACATED:

THAT PORTION OF NINE MILE ROAD IN PRIVATE CLAIM 599 AND 623, TOWN 1 NORTH, RANGE 13 EAST, CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN, DESCRIBED AS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 27, FAIR HARBOR SUBDIVISION OF PART OF PRIVATE CLAIM 599, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY, RECORDS; THENCE ALONG THE NORTH LINE OF LOTS 27 THROUGH 46 OF SAID FAIR HARBOR SUBDIVISION, SOUTH 70°00'00" EAST 710.21 FEET; THENCE NORTH 19°56'18" EAST 51.76 FEET TO THE NORTH RIGHT-OF-WAY LINE OF 9 MILE ROAD; THENCE ALONG SAID NORTH LINE, NORTH 70°03'40" WEST 710.16 FEET; THENCE SOUTH 20°00'00" WEST 51.00 FEET TO THE POINT OF BEGINNING.

CONTAINS 36,490 SQUARE FEET, MORE OR LESS.

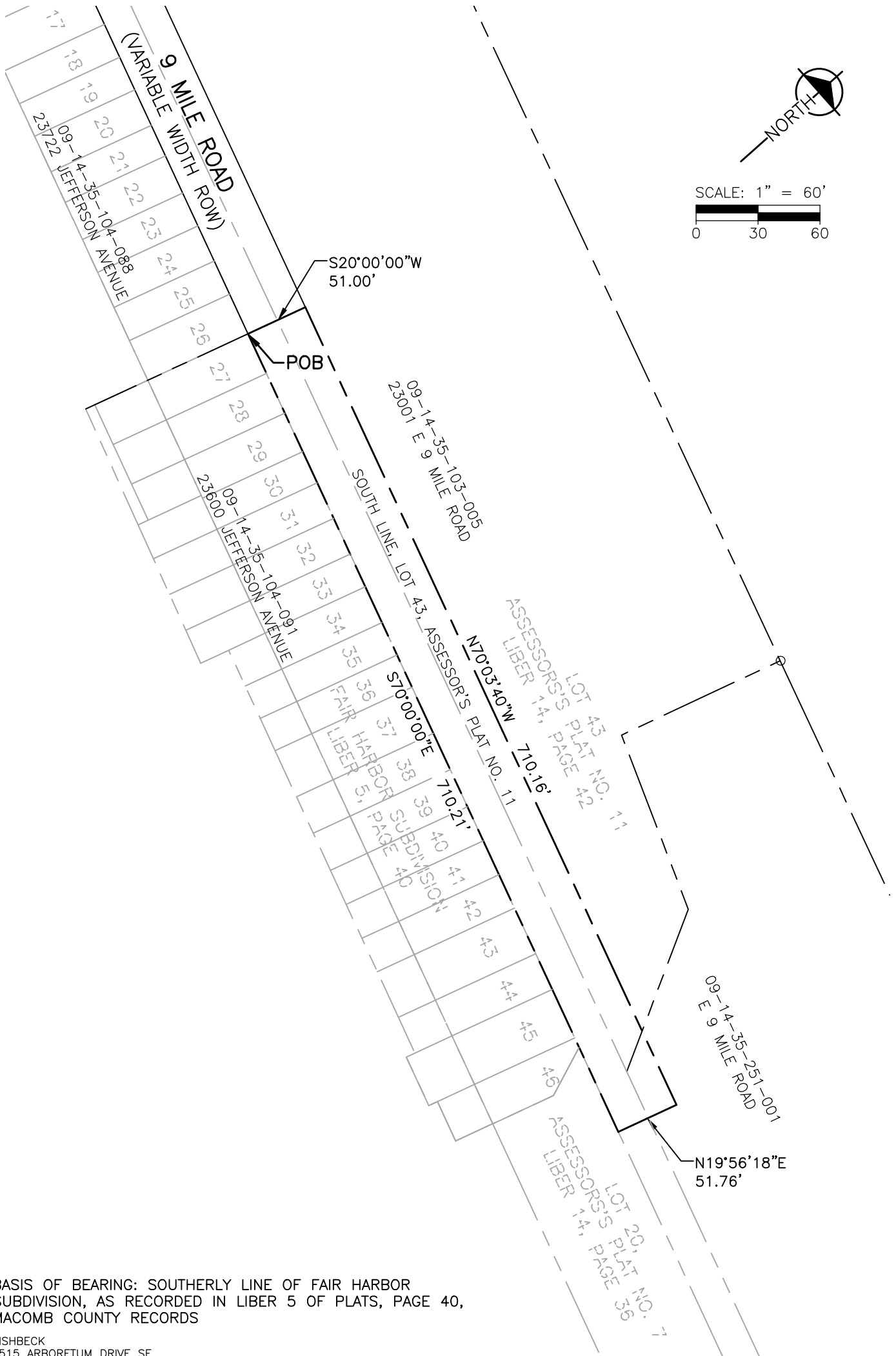
BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	Proposed Right-of-Way Vacation City of St. Clair Shores, Macomb County, Michigan		PROJECT NO.
			210764
	Part of Private Claims 599 and 623 Town 1 North, Range 13 East	09/23/2021	FIGURE NO.
			2 of 2

PROPOSED RIGHT-OF-WAY VACATION

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN



BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	<p>Proposed Right-of-Way Vacation City of St. Clair Shores, Macomb County, Michigan</p> <p>Part of Private Claims 599 and 623 Town 1 North, Range 13 East</p>	<p>PROJECT NO. 210764</p>
		<p>FIGURE NO. 1 of 2</p>
<p>09/23/2021</p>		

PROPOSED RIGHT-OF-WAY VACATION

PART OF PRIVATE CLAIMS 599 AND 623,
TOWN 1 NORTH, RANGE 13 EAST,
CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN

PORTION OF NINE MILE ROAD TO BE VACATED:

THAT PORTION OF NINE MILE ROAD IN PRIVATE CLAIM 599 AND 623, TOWN 1 NORTH, RANGE 13 EAST, CITY OF ST. CLAIR SHORES, MACOMB COUNTY, MICHIGAN, DESCRIBED AS:

BEGINNING AT THE NORTHWEST CORNER OF LOT 27, FAIR HARBOR SUBDIVISION OF PART OF PRIVATE CLAIM 599, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY, RECORDS; THENCE ALONG THE NORTH LINE OF LOTS 27 THROUGH 46 OF SAID FAIR HARBOR SUBDIVISION, SOUTH 70°00'00" EAST 710.21 FEET; THENCE NORTH 19°56'18" EAST 51.76 FEET TO THE NORTH RIGHT-OF-WAY LINE OF 9 MILE ROAD; THENCE ALONG SAID NORTH LINE, NORTH 70°03'40" WEST 710.16 FEET; THENCE SOUTH 20°00'00" WEST 51.00 FEET TO THE POINT OF BEGINNING.

CONTAINS 36,490 SQUARE FEET, MORE OR LESS.

BASIS OF BEARING: SOUTHERLY LINE OF FAIR HARBOR SUBDIVISION, AS RECORDED IN LIBER 5 OF PLATS, PAGE 40, MACOMB COUNTY RECORDS

FISHBECK
1515 ARBORETUM DRIVE SE
GRAND RAPIDS, MI 49546
616.575.3824 PHONE

	Proposed Right-of-Way Vacation City of St. Clair Shores, Macomb County, Michigan		PROJECT NO.
			210764
	Part of Private Claims 599 and 623 Town 1 North, Range 13 East	09/23/2021	FIGURE NO.
			2 of 2

8.5 MILE RELIEF
04.06.22 - 05.03.22

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>
8 1/2 Mile Relief	Chapter 20 State of MI – 16.04% County of Macomb – 2.25% Dept. of Roads – 2.25% Eastpointe – 54.33% St. Clair Shores – 25.13%	Astorino	Access Interactive LLC	\$ 3,855.00	Invoice #INV000109217 - 04.13.22	SCADA Maintenance	
			Aloia & Associates, P.C.	\$ 2,303.75	Invoice #25984 - 03.01.22	Shoreclub - 9 Mile Pump Station Agreement	
			City of St. Clair Shores Treasurer	\$ 3,202.47	Invoice #22-146 - 03.14.22	Monthly Utilities - 12.15.21 - 03.14.22	
			Consumers Energy	\$ 1,269.05	Invoice #201096413043 - 04.07.22	Monthly Utilities 03.09.22 - 04.07.22	
			Consumers Energy	\$ 744.10	Invoice #203143120910 - 04.07.22	Monthly Utilities 03.09.22 - 04.07.22	
			De-Cal, Inc.	\$ 843.70	Invoice #WO90022105-1 - 03.29.22	1st Quarter HVAC Preventive Maintenance	
			De-Cal, Inc	\$ 941.45	Invoice #WO9220299 - 04.18.22	Replace Circuit Setter	
			De-Cal, Inc	\$ 5,999.00	Invoice #WO9220310 - 04.12.22	Replacement BTU Heater Service Garage	
			DTE Energy	\$ 8,616.78	Invoice #22-175 - 04.21.22	Monthly Electric 03.09.22 - 04.07.22	
			Fishbeck	\$ 1,535.28	Invoice #410676 - 04.22.22	Canal Rehab Project Plan	\$ 91,741.34
			Fishbeck	\$ 3,075.00	Invoice #408191 - 01.26.22	Canal Rehab Project Plan /Confined Space	\$ 3,075.00
			Downing	\$ 10,913.97	Invoice #21848 - 04.12.22	Insurance Renewal 04.26.22 - 04.26.23	
			Astorino	\$ 3,440.00	Invoice #03242022 - 03.24.22	40 Hour Confined Space Training	
			Astorino	\$ 670.00	Invoice #04052022 - 03.24.22	CPR/First Aid/Bloodborne Pathogens Training	
			Astorino	\$ 102,409.57	Invoice #51877775 - 04.01.22	9 Mile Pump Station Design	\$ 702,728.00
			Astorino	\$ 6,387.36	Invoice #51877773 - 04.01.22	In-System Storage Devices	\$ 1,063,199.47
			Astorino	\$ 23,071.93	Invoice #2023520 - 03.25.22	Chapaton RTB Canal Rehab	\$ 214,710.90
			Astorino	\$ 14,368.53	Invoice #2023777 - 04.27.22	Chapaton RTB Canal Rehab	\$ 200,342.37
			Astorino	\$ 105,826.50	Invoice #WWS-2021-006 APP 1 - 04.28.22	In-System Storage	\$ 9,567,373.50
			Astorino	\$ 32,887.50	Invoice #WC22-04-002 - 04.26.22	9 Mile Pump Station - Pre-Construction Services	\$ 283,092.50
Astorino	\$ 44,020.00	Invoice #WC22-04-001 - 03.28.22	9 Mile Pump Station - Pre-Construction Services	\$ 315,980.00			
Total			\$ 376,380.94				



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/20/22
4. SET ID		5. POST DATE
VP220425KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Access Interactive LLC	V00035	01	INV000109217	4/13/2022	\$ 10,280.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210166M	80146	CC0014	80146	WO20001	MIDDD	SCADA Maintenance	\$ 4,420.40	GEN		
B	8210166M	80146	CC0014	80146	WO20016	MIDDD (OMID)	SCADA Maintenance	\$ 719.60	GEN		0
C	8210017M	80146	CC0014	80146	WO20001	8 1/2 Mile Relief	SCADA Maintenance	\$ 3,855.00	GEN		0
D	8210072M	80146	CC0014	80146	WO20001	Martin	SCADA Maintenance	\$ 771.00	GEN		0
E	8713018M	80146	CC0014	80146	WO20001	SEMCWWDS	SCADA Maintenance	\$ 514.00	GEN		0
F											
G											

23. Total: \$ **10,280.00** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>Multiple</u> 31. Project Balance: _____ 32. Staff Date: <u>5/3/2022</u> 33. Board Date: <u>5/9/2022</u> 34. Select For Pay Date: _____
---	--

Access Interactive, LLC.
 46635 Magellan Drive
 Novi MI 48377

Invoice	INV000109217
Date	4/13/2022
Page	1

Phone (248) 567-3000

Bill To:

Macomb County Public Works Office (MCPWO)
 Attn: Accounts Payable
 21777 Dunham Road
 Clinton Township MI 48036

Ship To:

Macomb County Public Works Office (MCPWO)
 Brent Welser, SCADA System Mgr
 21777 Dunham Road
 Clinton Township MI 48036

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
PW000229	MACOMBDPW4257	1003	MAIL	Net 30	4/8/2022	115,163
Ordered	Shipped	B/O	Item Number	Description	Unit Price	Ext. Price
8	8	0	LIC-VMWA-VS7-EPL-P-SSS-C	VMware vSphere 7 Ent+ Prod Sup for 1 Proc	\$899.00	\$7,192.00
2	2	0	LIC-VMWA-VCS7-STD-P-SSS-C	VMware Prod Sup vSphere 7 Ent+ 1 Proc 1	\$1,544.00	\$3,088.00
<p>PW 000229</p> <p>M100 - \$4420.40</p> <p>OM10 - \$719.60</p> <p>8.5 - \$3855.00</p> <p>Martin - \$771.00</p> <p>SEMCWMS^S - \$514</p>						

Subtotal	\$10,280.00
Misc	\$0.00
Tax	\$0.00
Freight	\$0.00
Trade Discount	\$0.00
Total	\$10,280.00

Signature _____

Date _____

Thank you for your order!

If you have any questions regarding your invoice,
 please call (248)567-3000.



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/13/22
4. SET ID		5. POST DATE
VP220414KA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Aloia & Associates, P.C.	V25733	01	25984	3/1/2022	\$ 2,303.75

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)						
A	8210017M	80139	CC0004	80139	WO18006	8 1/2 Mile Relief		Re: 1000-25 Feb 2022	\$ 2,303.75	GEN		
B												
C												
D												
E												
F												
G												

23. Total: \$ 2,303.75

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	4/19/2022
28. Managers:		33. Board Date:	5/9/2022
29. Coordinator:		34. Select For Pay Date:	



Aloia Law
 48 S. Main Street, Suite 3
 Mount Clemens, MI 48043
 586.783.3300

8 1/2 Mile Drain Drainage District
 Attn: Brian Baker
 Macomb County Department of Public Works
 21777 Dunham Road
 Clinton Township, MI 48036

Invoice

Invoice Number	25984
Invoice Date	03/01/2022
Payment Due On	04/15/2022
Amount Due	\$2,303.75

8 1/2 Mile Drain Drainage District

Fees

Date	Description	Staff	Hours	Total
02/01/2022	Review and analyze proposed changes to Agreement to Vacate; review and analyze Permanent Easement; email exchange with Vince Astorino.	JMC	1.00	\$190.00
02/04/2022	Prepare for and appearance on telephone conference with Vincent Astorino and Steven Wagner; email exchange with Marie Racine regarding meeting and surveys.	JMC	1.80	\$342.00
02/07/2022	Email with Marie Racine regarding lot split survey.	JMC	0.30	\$57.00
02/08/2022	Email exchange with Marie Racine regarding survey and meeting between clients.	JMC	0.60	\$114.00
02/09/2022	Prepare for and appear at meeting with Shore Club representatives.	JMC	2.50	\$475.00
02/09/2022	Prepare for Chapaton meeting regarding 9 Mile vacation and Shore Club issues; attend Chapaton meeting.	BJA	2.00	\$380.00
02/10/2022	Revise Agreement to Vacate; email exchange with Vincent Astroino.	JMC	1.75	\$332.50

02/11/2022	Review meeting minutes from February 9, 2022 meeting with Shore Club; email exchange with Steven Wagner regarding laydown area and Warehouse parcel.	JMC	0.80	\$152.00
02/11/2022	Review and approve minutes from Chapaton meeting	BJA	0.25	\$47.50
02/14/2022	Receipt and review of email from Marie Racine regarding status update.	JMC	0.25	\$47.50
02/18/2022	Receipt and review of email from Vincent Astorino regarding status updated from Shore Club.	JMC	0.25	\$47.50
02/21/2022	Receive, review and process email correspondence from Tamara Keskeny enclosing recorded City of Eastpointe Grant of Permanent Easement.	ALF	0.25	\$23.75
02/22/2022	Receipt and review of email from Steven Wagner regarding status updated from Shore Club.	JMC	0.25	\$47.50
02/28/2022	Review email from Vincent Astorino regarding status update.	JMC	0.25	\$47.50
			12.25	\$2,303.75

Subtotal	\$2,303.75
Total	\$2,303.75
Prior Balances	\$489.25
Payments Since Last Invoice	-\$489.25
Total Balance Due	\$2,303.75

Professional Fee Summary

Name	Hours	Rate	Total
BJA	2.25	\$190.00	\$427.50
JMC	9.75	\$190.00	\$1,852.50
ALF	0.25	\$95.00	\$23.75
Total	12.25		\$2,303.75

Prior Balances

Date	Invoice Number	Due Date	Amount	Payments/Credits	Due
01/01/2022	25508	02/15/2022	\$175.75	\$175.75	\$0.00
02/01/2022	25735	02/28/2022	\$313.50	\$313.50	\$0.00
Total			\$489.25	\$489.25	\$0.00

Payment Summary

Date	Note	Paid By	Source	Amount
03/10/2022	Payment on Account	8 1/2 Mile Drain Drainage District	Check	\$175.75
03/10/2022	Payment on Account	8 1/2 Mile Drain Drainage District	Check	\$313.50

If you would like to make a payment by credit card or electronic check/ACH, please click the link below for our secure webpage:

<https://secure.lawpay.com/pages/aloia-and-associates/trust>

For your convenience, please note that we accept Visa, MasterCard, American Express and Discover!



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/5/22
4. SET ID		5. POST DATE
VP 220405KUA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
City of St. Clair Shores Treasurer	V00928	01	22-146	3/14/2022	\$ 3,202.47

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92103	CC0004	92103	WO18006	8 1/2 MILE RELIEF	AC#23287-00, 12/15-3/14	\$ 3,202.47	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 3,202.47

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 MILE RELIEF</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>4/19/2022</u></p> <p>33. Board Date: <u>5/9/2022</u></p> <p>34. Select For Pay Date: _____</p>
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St. Clair Shores Water Bill

ACCOUNT NUMBER

23287-00

SERVICE ADDRESS

23001 NINE MILE

SERVICE TYPE

Government

PREVIOUS READ

1868

802

CURRENT READ

1884 A

807 E

CONSUMPTION

16

5

FROM: SERVICE PERIOD TO:

12/15/21

03/14/22

12/15/21

03/14/22

DUE DATE

04/21/2022

PAY AFTER DUE DATE

3362.60

PAY BY DUE DATE

3202.47

PREVIOUS BALANCE	0.00
Water	119.15
Sewer	137.72
Customer Chrg	369.40
Retention Basins O&M	0.49
Storm Water '21	2575.71

CURRENT BALANCE

3202.47

MONTHLY BUDGET

Temp-Return Service Requested

8310 1 AB 0.461

8310-8310-20

MACOMB COUNTY PUBLIC WORKS
21777 DUNHAM RD
CLINTON TWP MI 48036-1005

22-146

**PLEASE RETAIN THIS UPPER PORTION FOR YOUR RECORDS.
YOUR CANCELLED CHECK IS YOUR RECEIPT.**

Water rate: \$5.674/unit
Sewer rate: \$6.558/unit
Total rate: \$12.232
One unit = 748 gallons



City of
St. Clair
Shores

27600 Jefferson Ave.
St. Clair Shores, MI 48081

FOR FURTHER INFORMATION PLEASE CALL:
BILLING INFORMATION - (586) 447-3317
SERVICE INFORMATION - (586) 445-5374
VISIT US ON THE WEB AT www.scsmi.org

To Pay by Credit Card or Electronic Check



Visit www.scsmi.org

Online Payments and Services
or call 1-855-414-9009 (credit card only)

Point and Pay LLC, the service provider, charges a fee for this service of:
3.00% for credit cards (\$1.50 minimum)
Electronic checks are provided as a FREE service.

IMPORTANT INFORMATION - SEE REVERSE SIDE

REMOVE DOCUMENT ALONG THIS PERFORATION
AND MAKE SURE RETURN ADDRESS APPEARS THROUGH WINDOW



St. Clair Shores Water Bill

Due Date

04/21/2022

Pay After Due Date

3362.60

PAY BY DUE DATE

3202.47

Service Address

23001 NINE MILE

City of St. Clair Shores
27600 Jefferson Ave
Saint Clair Shores MI 48081-2075

Account Number

23287-00



Please make your check payable to: St. Clair Shores Treasurer

If you have questions concerning the water billing process or require a final meter reading when moving, please contact the Customer Service Department at (586) 447-3317. City Hall business hours are: 8:00 a.m. to 4:30 p.m., Monday through Friday.

A return envelope has been provided for your convenience when mailing your payment. If you wish to make an in-person water bill payment during business hours, payments are accepted at the cashier office located in City Hall. For your convenience in making after-hours payments, a freestanding, drive-up, drop box is located in the circle drive in front of City Hall. Please do not deposit cash in the drop box.

When mailing your payment, please allow three business days for the payment to reach the payment processing center. Payment must be received on or before the due date to avoid a 5% penalty. Failure to receive bill does not waive penalty.

Unpaid bills are liens against the property, with an additional penalty upon transfer to the tax roll.

All water registered at the inside water meter will be charged to the account. Check the outside reading device to confirm match. If there is a discrepancy, notify the Water Service Department immediately at (586) 445-5374 for repair.

The City of St. Clair Shores exceeded the action level for lead in drinking water. Lead can cause serious health problems. For more information please call (586) 447-3305 or visit www.scsmi.net/892/SCS-Lead-Safe.

SPECIAL NOTICE REGARDING WATER BILL COLLECTION POLICIES: The City of St. Clair Shores has a water service disconnection policy for unpaid bills. If this bill is not paid in full within 60 days of the due date, your water service will be disconnected. If this should occur, full payment of the past due balance and a \$50 turn-on fee must be made prior to your water service being reinstated.

SPECIAL NOTICE REGARDING SNOW REMOVAL RESPONSIBILITY: Whenever the City of St. Clair Shores experiences a snow fall of 2" or more, a Snow Event may be declared. Residents will be required to clear their sidewalks within 48 hours of the Snow Event. **Failure to do so will cause the City to have the sidewalk cleared and the cost billed to the property owner.**

Please remember to cut your grass regularly! City ordinance states that grass, brush or weeds eight (8) inches in height or more shall be cut by the City as many times as necessary with costs and fees to be assessed against the property owner if it is not maintained.

To Pay by Credit Card or Electronic Check

Visit www.scsmi.org
Online Payments and Services
or call 1-855-414-9009 (credit card only)

Point and Pay LLC, the service provider, charges a fee for this service of:
3.00% for credit cards (\$1.50 minimum)
Electronic checks are provided as a FREE service

RETAIN THE UPPER PORTION OF THIS WATER BILLING STATEMENT FOR YOUR RECORDS. WHEN REMITTING PAYMENT, DETACH THE LOWER PORTION AND RETURN TO THE CITY OF ST. CLAIR SHORES TREASURER'S OFFICE WITH YOUR PAYMENT, USING THE ENCLOSED RETURN ENVELOPE (POSTAGE REQUIRED). PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	3/21/22
4. SET ID		5. POST DATE
VP220418kua		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
CONSUMERS ENERGY	V01038	01	201096413043	4/7/2022	\$ 1,269.05

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92102	CC0004	92102	WO18006	8 1/2 Mile Relief	1000 0005 7313, 3/9-4/7	\$ 1,269.05	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,269.05

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>5/3/2022</u></p> <p>33. Board Date: <u>5/9/2022</u></p> <p>34. Select For Pay Date: _____</p>
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Questions:
 Visit: ConsumersEnergy.com
 Call us: 800-805-0490

Amount Due: \$1,269.05
Please pay by: May 03, 2022

In case of an emergency, call us immediately day or night at 1-800-477-5050.

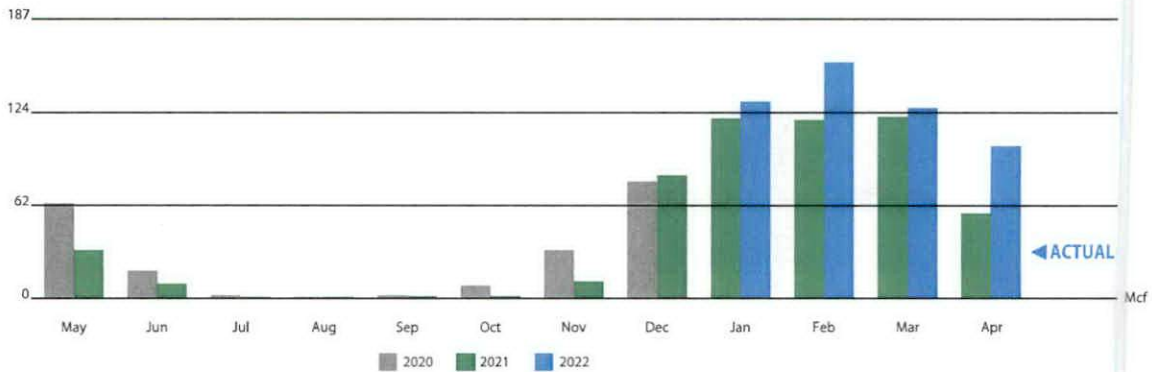
**CHAPTON PUMPING STATION
 MACOMB CO DRAIN COMM
 21777 DUNHAM RD
 CLINTON TOWNSHIP MI 48036-1005**

- ▶ **Reminder - previous amount due 04/04/22. Please pay your previous amount to avoid credit action. Thank you.**
- ▶ **Service Address:**
 23001 E 9 MILE RD
 SAINT CLAIR SHORES MI
 48080-1576

April Energy Bill

Service dates: March 09, 2022 - April 07, 2022 (30 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



 April Natural Gas Use 102.6 Mcf <small>April 2021 user: 57 Mcf</small>	 Cost per day: \$41.09	 Mcf per day: 3.420	 Prior 12 months of gas use: 663 Mcf
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You are participating in Gas Customer Choice with an Alternative Gas Supplier.

Your current price is \$7.87 per Mcf, which is determined by the supplier you have chosen and may include more than the gas commodity. Consumers Energy's gas commodity price, regulated by the Michigan Public Service Commission, is \$4.57 per Mcf. This is listed under Natural Gas Charges on the back. **Questions?** Call your supplier at 800-296-2203 or call us at 800-477-5050.

Learn more about Gas Customer Choice and compare prices at www.Michigan.gov/CompareMIGas



Protecting the Environment
 Our Environmental Policy is a promise to keep priorities in check. That means providing you with reliable energy while keeping our environment protected for generations to come. Find out more at www.ConsumersEnergy.com/community/sustainability/environment

Fold, detach and mail this portion with your check made payable to Consumers Energy. Please write your account number on your check.



You can pay your bill by mail, by phone or online
See reverse side for more information.

Account: 1000 0005 7313

Service Address:
 MACOMB CO DRAIN COMM
 23001 E 9 MILE RD
 SAINT CLAIR SHORES MI 48080-1576

PAYMENT CENTER
 PO BOX 740309
 CINCINNATI OH 45274-0309

Amount Due: \$1,269.05
Please pay by: May 03, 2022
 Enclosed:

Account Information

Bill Month: April
Service dates: 03/09/2022 - 04/07/2022
Days Billed: 30
Portion: 12 04/22

Rate Information

Gas Gen Serv Rate GS-2 - Com Cust Choice
Rate: 278

Meter Information

Your next scheduled meter read
date is on or around 05/10/2022

Gas Service:

AMR Meter
Meter Number: 96482875
POD Number: 0000003537725
Beginning Read Date: 03-09
Ending Read Date: 04-07
Beginning Read: 12268
Ending Read: 13284 (Actual)
Differential: 1016
Constant: 0.1
Correction factor: 1.01028
Usage: 102.6 Mcf

Total Metered Energy Use: 102.6 Mcf

April Energy Bill

Invoice: 201096413043

Account Summary

Last Month's Account Balance	\$3,304.55
Payment on March 18, 2022	\$1,776.74-
Payment on March 30, 2022	<u>\$1,492.28-</u>

Balance Forward	\$35.53
Late Payment Charge	\$0.71

Reminder - previous amount due 04/04/22. Please pay your previous amount to avoid credit action. Thank you.

Payments applied after Apr 11, 2022 are not included.

Natural Gas Charges

Customer Charge		\$91.63
Gas Distribution	102.6@ 3.252600	\$333.72

Kratos Gas & Power (800/296-2203)		
Supplier Charge KR1	102.6@ 7.870000	<u>\$807.46</u>

Total Natural Gas		\$1,232.81
--------------------------	--	-------------------

Total Energy Charges		\$1,232.81
-----------------------------	--	-------------------

Amount Due:	\$1,269.05
by May 03, 2022	

If you pay after the due date, a 2% late payment charge will be added to your next bill.

Please make any inquiry or complaint about this bill before the due date listed on the front. Visit ConsumersEnergy.com/aboutmybill for details about the above charges.

NEWS AND INFORMATION

Compare natural gas prices among Consumers Energy and other gas providers at www.Michigan.gov/CompareMIGas.

Energy Usage: If you have questions or would like information about your energy usage or

weather-adjusted consumption data, please contact 800-477-5050 or visit www.ConsumersEnergy.com/aboutmybill.

Consumers Energy is regulated by the Michigan Public Service Commission, Lansing, Michigan

Ways to pay your energy bill:



Auto-pay
Checking or savings
Auto-pay
Discover® MasterCard®
or Visa®
(Eligibility varies)



eLockbox
via ACH
Secure electronic
payment with
emailed remittance



Same-day payment
ConsumersEnergy.com
Discover® MasterCard®
or Visa® or eCheck



Same-day payment
866-329-9593
Discover® MasterCard®
or Visa® or eCheck



By mail
Check, money order
Consumers Energy
Payment Center
P.O. Box 740309
Cincinnati, OH 45274-0309



In person
Cash, check, card
or money order
Varies by authorized
payment location
Fee may apply



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Kellie Kource	2. PHONE # 95337	3. DATE 4/18/22
4. SET ID VP220418KUA	5. POST DATE	

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
CONSUMERS ENERGY	V01038	01	203143120910	4/7/2022	\$ 744.10

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92102	CC0004	92102	WO18006	8 1/2 MILE RELIEF	AC# 1000 0754 2523, 3/9-4/7	\$ 744.10	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **744.10**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 MILE RELIEF</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>5/3/2022</u></p> <p>33. Board Date: <u>5/9/2022</u></p> <p>34. Select For Pay Date: _____</p>
--	---



Questions:
 Visit: ConsumersEnergy.com
 Call us: 800-805-0490

Amount Due: \$744.10
Please pay by: May 03, 2022

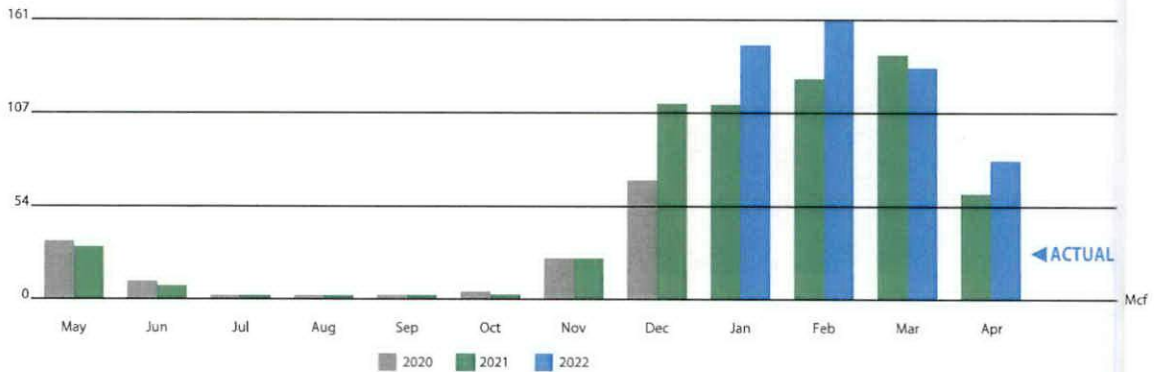
ATTN PUBLIC WORKS
 MACOMB COUNTY
 21777 DUNHAM RD
 CLINTON TOWNSHIP MI 48036-1005

- ▶ **Reminder - previous amount due 04/04/22. Please pay your previous amount to avoid credit action. Thank you.**
- ▶ **Service Address:**
 23301 E 9 MILE RD
 SAINT CLAIR SHORES MI
 48080-0000

April Energy Bill

Service dates: March 09, 2022 - April 07, 2022 (30 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



April Natural Gas Use
80.3 Mcf
 April 2021 use: 61 Mcf



Cost per day:
\$23.99



Mcf per day:
2.677



Prior 12 months of gas use:
705 Mcf

STAY SAFE: Call 9-1-1 and 800-477-5050. We'll respond day or night.



Downed power lines.
 Stay 25 feet away. Call from a safe location.



If you smell natural gas.
 If the "rotten egg" odor of gas is apparent, call from a safe location.



Protecting the Environment

Our Environmental Policy is a promise to keep priorities in check. That means providing you with reliable energy while keeping our environment protected for generations to come. Find out more at www.ConsumersEnergy.com/community/sustainability/environment

Fold, detach and mail this portion with your check made payable to Consumers Energy. Please write your account number on your check.



You can pay your bill by mail, by phone or online
 See reverse side for more information

Account: 1000 0754 2523

Service Address:
 MACOMB COUNTY
 23301 E 9 MILE RD
 SAINT CLAIR SHORES MI 48080-0000

PAYMENT CENTER
 PO BOX 740309
 CINCINNATI OH 45274-0309

Amount Due: \$744.10
Please pay by: May 03, 2022
 Enclosed:

Account Information

Bill Month: April
Service dates: 03/09/2022 - 04/07/2022
Days Billed: 30
Portion: 12 04/22

Rate Information

Gas Gen Serv Rate GS-2 - Com
Rate: 262

Meter Information

Your next scheduled meter read date is on or around 05/10/2022

Gas Service:

AMR Meter
Meter Number: 98117224
POD Number: 0000000435095
Beginning Read Date: 03-09
Ending Read Date: 04-07
Beginning Read: 1519
Ending Read: 2322 (Actual)
Differential: 803
Constant: 0.1
Correction factor: 1.00000
Usage: 80.3 Mcf

Total Metered Energy Use: 80.3 Mcf

April Energy Bill

Invoice: 203143120910

Account Summary

Last Month's Account Balance	\$2,290.87
Payment on March 18, 2022	\$1,197.95-
Payment on March 30, 2022	\$1,068.96-
Balance Forward	\$23.96
Late Payment Charge	\$0.48

Reminder - previous amount due 04/04/22. Please pay your previous amount to avoid credit action. Thank you.

Payments applied after Apr 11, 2022 are not included.

Natural Gas Charges

Customer Charge		\$91.63
Gas Distribution	80.3@ 3.252600	\$261.19
Gas Cost Recovery	80.3@ 4.568400	\$366.84
Total Natural Gas		\$719.66

Total Energy Charges \$719.66

Amount Due: \$744.10
by May 03, 2022

If you pay after the due date, a 2% late payment charge will be added to your next bill.

Please make any inquiry or complaint about this bill before the due date listed on the front. Visit ConsumersEnergy.com/aboutmybill for details about the above charges.

NEWS AND INFORMATION

Compare natural gas prices among Consumers Energy and other gas providers at www.Michigan.gov/CompareMIGas.

Energy Usage: If you have questions or would like information about your energy usage or

weather-adjusted consumption data, please contact 800-477-5050 or visit www.ConsumersEnergy.com/aboutmybill.

Consumers Energy is regulated by the Michigan Public Service Commission, Lansing, Michigan

Ways to pay your energy bill:



Auto-pay
Checking or savings
Auto-pay
Discover® MasterCard®
or Visa®
(Eligibility varies)



eLookbox
via ACH
Secure electronic
payment with
emailed remittance



Same-day payment
ConsumersEnergy.com
Discover® MasterCard®
Visa® or eCheck



Same-day payment
866-329-9593
Discover® MasterCard®
Visa® or eCheck



By mail
Check, money order
Consumers Energy
Payment Center
P.O. Box 740309
Cincinnati, OH 45274-0309



In person
Cash, check, card
or money order
Varies by authorized
payment location
Fee may apply



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/7/22
4. SET ID		5. POST DATE
VP220412KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
De-Cal, Inc.	V59694	01	WO90022105-1	3/29/2022	\$ 843.70

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Job #900221051	\$ 843.70	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 843.70

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

PM

25. Finance Officer: <u>BM/kk</u>	30. Drain: <u>8.5 Mile Relief</u>
26. Chief Deputy: _____	31. Project Balance: <u>N/A</u>
27. Engineers: _____	32. Staff Date: <u>4/19/2022</u>
28. Managers: _____	33. Board Date: <u>5/9/2022</u>
29. Coordinator: _____	34. Select For Pay Date: _____



DE-CAL, Inc.
 24659 Schoenherr Rd.
 Warren, MI 48089-4775
 Service Phone: 586-619-0281
 Service Fax: 586-486-5242

Service Invoice

Invoice #: WO90021105-1

Date: 03/29/2022

WO90022105-1

Billed To: Macomb County Chapaton
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080

Location: Macomb Chapaton Pumping
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080

Attn: Accounts Payable

Client PO#:	Employee:	Due Terms:
--------------------	------------------	-------------------

Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	843.700000	843.70	N

Notes:

See work order for details

De-Cal Service Group is a division of De-Cal, Inc.

Please Make Checks Payable to: De-Cal, Inc.

Thank you for your prompt payment!

Amount Due: \$	843.70
-----------------------	---------------

Service Report



Service Report No : 900-22-105-1-1

Date: March 15, 2022

Client P.O. #: N/A

HVAC Service

Ready to Invoice/Work Complete

Site:

Macomb Chapaton Pump station
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Client:

Macomb County Chaption
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

1st quarter Pm mid winter

Description of Service:

3-15 Performed Preventive Maintenance on H.V.A.C. equipment, replaced all filters, or clened filters were needed, checked belts, replaced were needed, adjusted tension were needed, Checkdd and verified proper operation of Heating and Cooling, checked boiler for any faults, none found, checked for leaks or wear on pumps, or piping, checked hot water tanks for wear / damage, leaks, proper operation, checked and verified proper operation 3 mini-split systems, checked coils for cleanliness, checked 8 radiant htrs for proper operation, found 2 not working, informed Kris. Checked and verified proper operation of 6 gas fired unit htrs , 2 furnaces, 2 electric htrs., informed Kris of findings

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Mar 15, 2022	6.5	0



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/26/22
4. SET ID		5. POST DATE
VP220428KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
De-Cal, Inc.	V59694	01	WO9220299	4/18/2022	\$ 941.45

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Job #9220299	\$ 941.45	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **941.45**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 Replace circuit setter for AHU #3 on the mezzanine

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8.5 Mile Relief</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>5/3/2022</u> 33. Board Date: <u>5/9/2022</u> 34. Select For Pay Date: _____
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DE-CAL, Inc.
 24659 Schoenherr Rd.
 Warren, MI 48089-4775
 Service Phone: 586-619-0281
 Service Fax: 586-486-5242

Service Invoice

Invoice #: WO9220299

Date: 04/18/2022

Billed To: Macomb County Chapaton
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080

Location: Macomb Chapaton Pumping
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080

Attn: Accounts Payable

Client PO#:	Employee:	Due Terms:
--------------------	------------------	-------------------

Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	941.450000	941.45	N

Notes:

Please see work order for details

De-Cal Service Group is a division of De-Cal, Inc.

Please Make Checks Payable to: De-Cal, Inc.

Thank you for your prompt payment!

Amount Due: \$	941.45
-----------------------	---------------

Service Report

Service Report No : 9220299-1

Date: March 20, 2022

Client P.O. #: N/A



HVAC Service

Ready to Invoice/Work Complete

Site:

Macomb Chapaton Pump station
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Client:

Macomb County Chapton
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

replace circuit setter for AHU#3 on the mezzanine --see Chris onsite

Description of Service:

Found a leaking zone valve. Located a new valve and purchased. Unsweated the existing valve and sweated in the new and rewired. Leak checked.

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Rob Murphy	Mar 18, 2022	4.5	0



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/26/22
4. SET ID		5. POST DATE
VP220428KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
De-Cal, Inc.	V59694	01	WO9220310	4/12/2022	\$ 5,990.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	200k BTU heater	\$ 5,990.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 5,990.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 200K BTU unit Heater

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8.5 Mile Relief</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>5/3/2022</u> 33. Board Date: <u>5/9/2022</u> 34. Select For Pay Date: _____
---	--



DE-CAL, Inc.
 24659 Schoenherr Rd.
 Warren, MI 48089-4775
 Service Phone: 586-619-0281
 Service Fax: 586-486-5242

Service Invoice

Invoice #: WO9220310

Date: 04/12/2022

Billed To: Macomb County Chapaton
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080
 Attn: Accounts Payable

Location: Macomb Chapaton Pump East
 23009 E. 19 Mile Rd
 St. Clair Shores MI 48080

Client PO#:	Employee: Phil Shreve	Due Terms:
--------------------	------------------------------	-------------------

Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		Quoted Price	1.0000	5,990.000000	5,990.00	N

Notes:
 Provide and install 200k Btu unit heater.

De-Cal Service Group is a division of De-Cal, Inc.

Please Make Checks Payable to: De-Cal, Inc.

Thank you for your prompt payment!

Amount Due: \$ 5,990.00



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/27/22
4. SET ID		5. POST DATE
VP220428100A		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTE Energy	V01270	08	22-175	4/21/2022	\$ 8,616.78

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Acct #9100-0005-3785, 3/9-4/7	\$ 8,616.78	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 8,616.78

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>5/3/2022</u></p> <p>33. Board Date: <u>5/9/2022</u></p> <p>34. Select For Pay Date: _____</p>
--	---



Payment Coupon

Account Number	910000053785
Due Date:	May 13, 2022
Total Due:	\$8,616.78

MACOMB COUNTY
 MACOMB COUNTY DRAIN COMM
 21777 DUNHAM RD
 CLINTON TWP MI 48036-1005

Mail Payments to:
 DTE Energy
 P.O. Box 740786
 Cincinnati OH 45274-0786

Please detach and return coupon with account number on check. Agencies are not authorized to accept payment of this bill.

Account Information

MACOMB COUNTY
 MACOMB COUNTY DRAIN COMM
 21777 DUNHAM RD
 CLINTON TWP, MI 48036

Account Number	9100-0005-3785
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DTE-Energy Federal ID No.	38-3217752
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Programs you are enrolled in:

How to contact us:

Power Outage	See Detail Charges
Billing Inquiry	1-313-235-7984

Please make any inquiry or complaint about this bill to DTE Energy before the Due Date.
 DTE Energy is regulated by the Michigan Public Service Commission, Lansing, Michigan

Important Information

22-175



Detail Charges

For Service at: 23001 E 9 Mile Rd, St Clair Shores, MI 48082

Outage Contact Number: 1-313-235-1300

Invoice: 210002012089

Billing Period: 03/09/2022 through 04/07/2022

Days Billed: 30

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
10056082	03/09	132.8A	04/07	138.0A	5.2	6,400.0000	33,280.0	P - In-V
10056082	03/09	187.2A	04/07	194.4A	7.2	6,400.0000	46,080.0	P - In-W
10056085	03/09	0.0A	04/07	0.0A	0.0	6,400.0000	0.0	P - In-V
10056085	03/09	0.0A	04/07	0.0A	0.0	6,400.0000	0.0	P - In-W
10098716	03/09	0.2A	04/07	0.2A	0.0	- 6400.000	0.0	P - Out-V
10098716	03/09	0.0A	04/07	0.0A	0.0	- 6400.000	0.0	P - Out-W
Total KVARH							33,280.00	
Total KWH							46,080.00	

Invoice: 210002012089	Service Name: Chapaton Pumping Station	General Service Municipal Pumping R18 Cat1
Item: 7004376662	Cycle: 05	

Billing Status Information

1	On-peak Billing Demand	241	KW	ESTABLISHED	03/28/2022	12:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	3697	KW	ESTABLISHED	07/16/2021	15:00
6	Rate Minimum Demand (Site)	5	KW			
8	Highest Single Billing Demand	881	KW	ESTABLISHED	03/23/2022	20:30
9	65% High Bill Dmd June-Oct prec 11 mths	3797	KW	ESTABLISHED	09/23/2021	03:00
A	Current PV High Monthly Demand	881	KW	ESTABLISHED	03/23/2022	20:30
B	50% of the Contract Capacity for PV	3369	KW			
C	Primary Voltage Maximum Demand	5842	KW	ESTABLISHED	08/12/2021	07:00
	Contract Capacity for Location	6738	KW			
	Power Factor (ratio) for all voltages	81	PCT			
	Total Number of days in the Billing Period	30	DAYS			
	Avg Kilowatthours Used Per Day This Period	1536	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1982	KWH			
	kWh percentage change from a year ago	-23	PCT			
	R18-kWH Inflow	46080	KWH			
	R18-kWH Outflow	0	KWH			
	R18-Outflow OnPeak Billing Demand	0	KW	ESTABLISHED	03/09/2022	11:30
	Beginning Excess Bank Balance	0	DOLL			
	Adjustment to Excess Generation Bank Balance	0	DOLL			
	Ending Excess Generation Bank Balance	0	DOLL			

Charges for 03/09/2022 through 04/07/2022

Power Supply Charges:

Power Supply Energy:						
Power Supply Capacity Charge	46,080	KWH	@ \$	0.0390000	Per Total KWH	1,797.12
Power Supply Non Capacity Charge	46,080	KWH	@ \$	0.0434500	Per Total KWH	2,002.18
Surcharges:						
Power Supply Cost Recovery Factor	46,080	KWH	@ \$	0.0066500	Per Total KWH	306.43
Outflow Credit	0	KWH	@ \$	-0.0810200	Per Total KWH	0.00
Excess Generation Bank Adjustment						0.00
Other Power Supply Volumetric Surcharges						- 6.31
Sub Total:						4,099.42

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	46,080	KWH	@ \$	0.0386800	Per Total KWH	1,782.37
Surcharges:						
LIEAF Factor	2	MTR	@ \$	0.8700000		1.74
Other Delivery Surcharges						133.94
Other Delivery Volumetric Surcharges						88.06
Sub Total:						2,017.36
Special Facilities Charge						2,500.00

Invoice Subtotal	8,616.78
Michigan State Sales Tax On Taxable Portion	0.00
Invoice Total	\$8,616.78

Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 03/10/2022	9,643.96
Payment(s) and Credit(s)	- 9,643.96
Remaining Balance	\$0.00

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
23001 E 9 Mile Rd	7004376662	General Service Municipal Pumping R18 Cat1	EFCR18D3WP	03/09 - 04/07/22	8,616.78
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$8,616.78

Amount Due on or before Due Date of 05/13/2022 **\$8,616.78**

Your current charges are due on May 13, 2022. A 2% late payment charge will be applied if paid after the due date.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/26/22
4. SET ID		5. POST DATE
VP 220428KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Fishbeck	V44063	01	410676	4/22/2022	\$ 1,535.28

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80138	CC0037	80138	WO22006	8 1/2 Mile Relief	Pjt #190051 through 4/15/22	\$ 1,535.28	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,535.28

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Canal Rehab

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$91,741.34</u></p> <p>32. Staff Date: <u>5/3/2022</u></p> <p>33. Board Date: <u>5/9/2022</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER WO19005

PROJECT NUMBER WWS-2019-001

PROJECT NAME As-Needed General Engineering Services

DRAINAGE DISTRICT Eight and One-Half Mile Relief Drain Drainage District

CONSULTANT NAME Fishbeck

INVOICE DATE 4/22/2022

INVOICE START DATE 3/19/2022

INVOICE END DATE 4/15/2022

ORIGINAL CONTRACT AMOUNT	\$ 151,919.00
CHANGE ORDER TOTAL	\$ 278,732.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 128,732.00
Change Order No. 6	\$ 75,000.00
TOTAL REVISED CONTRACT AMOUNT	\$ 430,651.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 337,374.38
TOTAL AMOUNT DUE THIS INVOICE	\$ 1,535.28
TOTAL BUDGET REMAINING	\$ 91,741.34
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	

Payment Options

Remit Wire/ACH payments to Acct: 100094457 ABA: 072413829
 Remit checks to: 1515 Arboretum Drive, SE, Grand Rapids, Michigan 49546
 Remittance Advice: accounts.receivable@fishbeck.com
 616.575.3824
 Federal I.D. No. 38-1841857 | Incorporated

Attention: Mr Vincent Astorino
Macomb County Public Works Commissioner
 21777 Dunham Road
 Clinton Township, MI 48036
 United States

Invoice : 410676
Invoice Date : 4/22/2022
Project : 190051
Project Name : Macomb Co PW/8.5 As-needed
 Engineering
Bill Term : 1

For Professional Services Rendered Through 4/15/2022

WO19005

	Fee	Available	Billings		
			To Date	Previous	Current
1.E - Task 1e - Maps	7,500.00	1,657.89	5,842.11	5,842.11	0.00
1.O - Task 1o - RTB & 9EB Structural Repair	148,682.00	2,796.31	145,885.69	145,885.69	0.00
1.P - Task 1p - SRF 5685-01 Project Plan Amendment	20,500.55	19,362.55	1,138.00	1,138.00	0.00
1.R - Task 1r - 8DR Confined Space Entry/LOTO Program	10,500.00	48.04	10,451.96	10,451.96	0.00
1.S - Task 1s - 8DR Route and Course	4,900.00	22.00	4,878.00	4,878.00	0.00
1.T - Task 1t - 9 Mile PS Design As-Needed	5,000.00	5,000.00	0.00	0.00	0.00
1.U - Task 1u - Chapaton Rehab SRF Project Plan	20,000.00	8,678.50	12,856.78	11,321.50	1,535.28
Rate Labor	1,338.00				
Unit Rate Expense	197.28				
			Current Billings		1,535.28
			Amount Due This Bill		1,535.28

1.U - Task 1u - Chapaton Rehab SRF Project Plan

Rate Labor			
<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Production Support	3.00	70.0000	210.00
Senior Engineer	3.00	130.0000	390.00
	4.50	164.0000	738.00
Total Senior Engineer	7.50		1,128.00
Total Rate Labor			1,338.00

Unit Rate Expenses			
<i>Account / Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
Reproduction			
Black & White Copying	438.00	0.0600	26.28
Color Copying 8 1/2X11	54.00	0.2500	13.50
Tabs Alpha	18.00	8.7500	157.50
Total Reproduction	510.00		197.28
Total Unit Rate Expenses			197.28

Total Bill Task: 1.U - Task 1u - Chapaton Rehab SRF Project Plan **1,535.28**

Total Project: 190051 - Macomb Co PW/8.5 As-needed Engineering **1,535.28**



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/12/22
4. SET ID		5. POST DATE
VP220414KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Fishbeck	V44063	01	408191	1/26/2022	\$ 3,075.00

CHILD RECORD DETAIL INFORMATION												
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)						
A	8210017M	80138			WO22006	8 1/2 Mile Relief	Pjt #190051 through 1/21/22	\$ 820.00	GEN			
B	8210017M	95601			WO18319	8 1/2 Mile Relief	Pjt #190051 through 1/21/22	\$ 2,255.00	GEN			0
C												
D												
E												
F												
G												

23. Total: \$ **3,075.00** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

As Needed Services

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>\$104,852.12</u> 32. Staff Date: <u>4/19/2022</u> 33. Board Date: <u>5/9/2022</u> 34. Select For Pay Date: _____
---	--

**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER WO19005

PROJECT NUMBER WWS-2019-001

PROJECT NAME As-Needed General Engineering Services

DRAINAGE DISTRICT Eight and One-Half Mile Relief Drain Drainage District

CONSULTANT NAME Fishbeck

INVOICE DATE 1/26/2022

INVOICE START DATE 12/25/2021

INVOICE END DATE 1/21/2022

ORIGINAL CONTRACT AMOUNT	\$ 151,919.00
CHANGE ORDER TOTAL	\$ 278,732.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 128,732.00
Change Order No. 6	\$ 75,000.00
TOTAL REVISED CONTRACT AMOUNT	\$ 430,651.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 322,723.88
TOTAL AMOUNT DUE THIS INVOICE	\$ 3,075.00
TOTAL BUDGET REMAINING	\$ 104,852.12
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	

1.R - Task 1r - 8DR Confined Space Entry/LOTO Program

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Staff Engineer	20.50	110.0000	2,255.00
Total Rate Labor			2,255.00

1.U - Task 1u - Chapaton Rehab SRF Project Plan

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Engineer	5.00	164.0000	820.00
Total Rate Labor			820.00

Total Project: 190051 - Macomb Co PW/8.5 As-needed Engineering **3,075.00**



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/26/22
4. SET ID		5. POST DATE

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Nickel & Saph, Inc.	V06850	01	21848	4/12/2022	\$ 210,613.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	91102	CC0004	91102	WO18006	8 1/2 Mile Relief	Acct #MACO-17, 4/26/22-9/26/22	\$ 4,724.44	GEN		
B	8210017M	12301	CC0004	12301	WO18006	8 1/2 Mile Relief	Acct #MACO-17, 9/27/22-4/26/23	\$ 6,189.53	GEN		0
C	8210072M	91102				Martin	Acct #MACO-17, 4/26/22-9/26/22	\$ 823.27	GEN		0
D	8210072M	12301				Martin	Acct #MACO-17, 9/27/22-4/26/23	\$ 1,078.57	GEN		0
E	8210166M	91102	CC0018	91102	WO18300	MIDDD	Acct #MACO-17, 4/26/22-9/26/22	\$ 85,621.80	GEN		0
F	8210166M	12301	CC0018	12301	WO18300	MIDDD	Acct #MACO-17, 9/27/22-4/26/23	\$ 112,175.39	GEN		0
G											

23. Total: \$ **210,613.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Excess Liability Insurance with Terrorism Addendum 4/26/2022 - 4/26/2023

<p>25. Finance Officer: _____</p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile; Martin; MIDDD</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>5/3/2022</u></p> <p>33. Board Date: <u>5/9/2022</u></p> <p>34. Select For Pay Date: _____</p>
---	---



NICKEL & SAPH, INC.

INSURANCE SINCE 1929

MAILING ADDRESS:

P.O. BOX 46907
MT. CLEMENS, MI 48046-6907

OFFICE ADDRESS:

44 MACOMB PLACE
MT. CLEMENS, MI 48043
(586) 463-4573 • (810) 765-8887
1-800-657-7373 • FAX: (586) 463-3135
www.nickelsaph.com

March 29, 2022

Mr. Brian Baker
Macomb County Intra-County Drains &
Drainage Districts
21777 Dunham Road
Clinton Twp., MI 48036

Dear Mr. Baker:

Please accept the following renewal proposal of certain liability coverages secured for the Intra-County drains and drainage districts.

Carrier: Argonaut Insurance Company
A. M. Best Rating: A- XIV, Stable. Admitted by the State of Michigan.

General Liability

Aggregate Limit: \$2,000,000
Occurrence Limit: \$1,000,000
Personal and Advertising Injury: \$1,000,000
Products/Completed Operations Aggregate: \$2,000,000
Deductible per Occurrence: \$100,000

Automobile Liability

Occurrence Limit: \$1,000,000
Deductible: \$100,000

Coverage is afforded for non-owned and rented autos only. No aggregate limitation applies.

Public Officials' Liability

Aggregate Limit: \$2,000,000
Per Wrongful Act Limit: \$1,000,000
Deductible each Wrongful Act: \$100,000
Claims Made Policy Form
Prior Acts/Retroactive Date: April 26, 2021

Excess Liability

Each Occurrence or Wrongful Act:	\$10,000,000
Annual Aggregate:	\$10,000,000
Annual Premium:	\$205,191
Optional Terrorism Risk Insurance:	\$5,422
Total Annual Premium:	\$210,613

The expiring annual premium was \$197,864. The renewal offering has increased \$12,749 or 6.44%. Last year, Terrorism Risk Insurance was included (optional coverage). Premium is not subject to annual audit.

We have deleted the Sprenger drain (#0120, located in Warren).

Afforded liability limits are separate from each other. Payment of claims for one line of coverage will not affect or reduce the limits dedicated to the remaining lines of coverage. Please refer to policy forms for terms, definitions, conditions, and exclusions.

The deductibles apply to both the payment of claim adjustment expenses and third-party damage payments. Once the deductible is exhausted, the specific limit is dedicated to the payment of third-party damages alone; claim expenses are outside of the afforded limits. Argonaut requires the continued third-party administrator (TPA) relationship with the ASU Group or other approved TPA.

Argonaut has included their proprietary "360" endorsement which adds the following coverage enhancements to the General Liability: Blanket Additional Insured (when required by written contract, agreement, or permit). Broadcasting, Publishing, and Telecasting offenses are covered under Personal Injury. By separate endorsement, Limited Pollution Liability Coverage (extended for Property Damage under the General Liability policy) is added for the reverse flow of sewage (endorsement GL-210 [07/00]).

As with the expiring contract, Argonaut is offering: 1) a traditional underlying and excess policy format. No impact on the afforded coverages: same carriers (underlying and excess), same claims and underwriting staff, and same occurrence limit of liability - \$11,000,000. 2) Covered claims are subject to a \$100,000 deductible. 3) The Public Officials' liability coverage is offered on a Claims Made policy form in lieu of an Occurrence form. A retroactive date of April 26, 2021 will apply to covered claims. 4) The excess liability policy does not afford excess automobile liability coverage; the proposed policy affords \$1,000,000 Hired & Non-owned Automobile Liability. The coverage is afforded by way of a Combined (Bodily Injury and Property Damage) Single Limit formant (as before). The afforded limit is provided per Occurrence with no aggregate restrictions (again, same as before). 5) The combined aggregate limit of liability for covered General Liability and Public Officials' Liability claims is \$11,000,000.

In addition to securing the afforded liability coverages, we continue to monitor additions or improvements to the districts' physical assets. We have been advised that no measurable changes occurred over the past year. You will recall that all property insurance is secure under Macomb County's property insurance policy.

Chapter 20
Insurance Cost Breakdown
April 26, 2022 Renewal

DRAIN NAME	2022 PERCENT	PORTION OF INSURANCE
Eight Half Mile Relief	5.182%	\$ 10,913.97
Martin Sanitary Diversion	0.903%	\$ 1,901.84
MIDDD	93.915%	\$ 197,797.20

Insurance bill	\$ 210,613.00
----------------	---------------

*** After an analysis of the 2021 expenses, other drain's portions were minimal and insignificant

MIDDD Costs	
Liability	\$ 197,797.20
Third-Party Administrator	\$ 1,500.00
Underground Infrastructure	<u>\$ 19,000.00</u>
MIDDD Total Cost	\$ 218,297.20

29.09/day 8.5 Expense - \$4,724.44
8.5 prepaid - \$6,189.53

5.21/day MARTIN - Exp \$ 823.27
prepaid \$ 1078.57

541.91/day MIDDD - Expense \$ 85,621.80
prepaid \$ 112,175.40

Please review this information and contact me with any questions or concerns. I plan to attend the meeting on Monday, April 11, 2022. Thank you.

Sincerely,

A handwritten signature in blue ink, appearing to read "Stephen R. Saph, Jr.", written in a cursive style.

Stephen R. Saph, Jr., LIC
Agent

Enclosure

Nickel & Saph, Inc.
 P. O. Box 46907
 Mt. Clemens, MI 48046-6907
 Phone: 586-463-4573

INVOICE NO. 21848		Page 1
ACCOUNT NO.	CSR	DATE
MACO-17	AJ	04/12/2022
Commercial Application		
POLICY #		
4640728-01		
EFFECTIVE	EXPIRATION	BALANCE DUE ON
04/26/2022	04/26/2023	04/26/2022

Macomb County Intra-County
 Drains Drainage Districts
 21777 Dunham Road
 Clinton Twp., MI 48036

Itm #	Eff Date	Trn	Type	Description	Amount
76423	04/26/22	MEM	PCKG	Renewal Premium	\$210,613.00
Invoice Balance:					\$210,613.00

Thank you.

Nickel & Saph, Inc.

P. O. Box 46907

Mt. Clemens, MI 48046-6907

Phone: 586-463-4573 Fax: 586-463-3135

MEMO

Page 1

ACCOUNT NO.	OP	DATE
MACO-17	SJ	04/12/2022
POLICY INFORMATION		
POLICY #		
4640728-01		
TYPE	EFFECTIVE	EXPIRATION
PCKG	04/26/2022	04/26/2023

Macomb County Intra-County
Drains Drainage Districts
21777 Dunham Road
Clinton Twp., MI 48036

Bruce Manning:

Re: Renewal

Enclosed, please find a renewal binder and invoice for the April 26th renewal. As soon as the policy is issued, we'll deliver to you. If questions, just call. Thank you!



Stephen R. Saph Jr.



INSURANCE BINDER

CSR: AJ

DATE (MM/DD/YYYY)
4/12/2022**THIS BINDER IS A TEMPORARY INSURANCE CONTRACT, SUBJECT TO THE CONDITIONS SHOWN ON THE REVERSE SIDE OF THIS FORM.**

AGENCY Nickel & Saph, Inc. P. O. Box 46907 Mt. Clemens, MI 48046-6907 Stephen R. Saph Jr.		COMPANY Argonaut Insurance Co.		BINDER # 1819	
PHONE (A/C, No, Ext): 586-463-4573		FAX (A/C, No): 586-463-3135		DATE EFFECTIVE TIME 04/26/22 12:01	
CODE: _____ SUB CODE: _____		<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		EXPIRATION DATE TIME 06/12/22 <input checked="" type="checkbox"/> 12:01 AM <input type="checkbox"/> NOON	
AGENCY CUSTOMER ID: MACO-17		<input checked="" type="checkbox"/> THIS BINDER IS ISSUED TO EXTEND COVERAGE IN THE ABOVE NAMED COMPANY PER EXPIRING POLICY # 4640728-00			
INSURED Macomb County Intra-County 21777 Dunham Road Clinton Twp. MI 48036		DESCRIPTION OF OPERATIONS/VEHICLES/PROPERTY (Including Location) Drainage Districts.			

COVERAGES**LIMITS**

TYPE OF INSURANCE	COVERAGE/FORMS	DEDUCTIBLE	COINS %	AMOUNT
PROPERTY CAUSES OF LOSS <input type="checkbox"/> BASIC <input type="checkbox"/> BROAD <input type="checkbox"/> SPEC				n/a
GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Limited Pollution	RETRO DATE FOR CLAIMS MADE:			EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES \$ 100,000 MED EXP (Any one person) \$ Excluded PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$ MEDICAL PAYMENTS \$ PERSONAL INJURY PROT \$ UNINSURED MOTORIST \$
AUTO PHYSICAL DAMAGE DEDUCTIBLE <input type="checkbox"/> ALL VEHICLES <input type="checkbox"/> SCHEDULED VEHICLES <input type="checkbox"/> COLLISION: _____ <input type="checkbox"/> OTHER THAN COL: _____				ACTUAL CASH VALUE STATED AMOUNT \$ N/A OTHER
GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ N/A OTHER THAN AUTO ONLY: EACH ACCIDENT \$ AGGREGATE \$
EXCESS LIABILITY <input checked="" type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	RETRO DATE FOR CLAIMS MADE:			EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 SELF-INSURED RETENTION \$
WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY				WC STATUTORY LIMITS E.L. EACH ACCIDENT \$ N/A E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
SPECIAL CONDITIONS/ OTHER COVERAGES				FEES \$ TAXES \$ ESTIMATED TOTAL PREMIUM \$

NAME & ADDRESS

NONEDEC None Declared	<input type="checkbox"/> MORTGAGEE <input type="checkbox"/> LOSS PAYEE	<input type="checkbox"/> ADDITIONAL INSURED
	LOAN # _____	
	AUTHORIZED REPRESENTATIVE Stephen R. Saph Jr.	

NOTES:

INSURED'S NAME **Macomb County Intra-County**

CSR: AJ

DATE **4/12/2022**

Public Officials' Liability. Claims Made Form. Excludes Employment Practices Liability. Retroactive Date - 4/26/2021. Limits - \$1,000,000 each wrongful act and \$2,000,000 annual aggregate. \$100,000 per occurrence, per wrongful act deductibles apply to General Liability, Public Officials' Liability, and Auto Liability. Excess coverage excludes Auto Liability. Includes Terrorism Risk Insurance coverage where applicable.



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/6/22
4. SET ID		5. POST DATE
VP 220412 KA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Rescue Training Services LLC	V77144	01	03242022	3/24/2022	\$ 6,880.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)						
A	8210166M	95901	CC0018	95901	WO18300	MIDDD		40 hour Confined Space Training	\$ 3,440.00	GEN		
B	8210017M	95901	CC0004	95901	WO18006	8 1/2 Mile Relief		40 hour Confined Space Training	\$ 3,440.00	GEN		0
C												
D												
E												
F												
G												

23. Total: \$ 6,880.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/kk	30. Drain:	MIDDD
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	4/19/2022
28. Managers:		33. Board Date:	5/9/2022
29. Coordinator:		34. Select For Pay Date:	



MCPWO Finance <mcpwo.finance@macombgov.org>

Fwd: INVOICE #03242022 MACOMB SANT CSR 40 hour

1 message

Kristofer Benda <kristofer.benda@macombgov.org> Fri, Mar 25, 2022 at 11:12 AM
To: MCPWO Finance <mcpwo.finance@macombgov.org>, Kellie Kource <kellie.kource@macombgov.org>

Please split this between 8.5 and MIDD.

Thank you

----- Forwarded message -----

From: **Kurt McFarlane** <kurtfire911@gmail.com>
Date: Thu, Mar 24, 2022 at 4:43 PM
Subject: INVOICE #03242022 MACOMB SANT CSR 40 hour
To: Kristofer Benda <kristofer.benda@macombgov.org>
Cc: Kurt McFarlane <kurtfire911@gmail.com>

Kris,
Thank you for letting me instruct your new employees. The guys did great in class. Thursday class went very well with lots of technical ideas and scenarios. The class performed two major entries with entry permit, meters, taglines, 2 in 2 out rule and use of all equipment. Jeremy and Mark acted as supervisors and Aaron assisted with operations. All in all they did a great job. If you hear feedback please let me know.

Thanks Again.

Kurt McFarlane
RESCUE TRAINING SERVICES LLC
RESCUE TEAM STANDBY LLC
810-712-3090
kurtfire911@gmail.com



--
Kristofer Benda
Operations Manager Chapaton
Macomb County Public Works Commissioner Candice S. Miller
23001 East 9 Mile Rd St. Clair Shores, MI 48080
Office: 586.772.3425 | Cell: 586.634.1359
Publicworks.macombgov.org

Follow us!



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intended recipient) or copying this information. If you have received this communication in error, please notify me immediately by the email address or telephone number listed above.

 **INVOICE #03242022 MACOMB SANT CSR 40 hour.xlsx**
15K

INVOICE #03242022 MACOMB SANT CSR 40 hour

RESCUE TRAINING SERVICES LLC

3868 Burns Line
Croswell, Mi 48422
810-712-3090 / DUNS 081210782

DATE 03/24/2022

BILL TO

Kristofer Benda - Operations Manager
23001 East 9 Mile Rd St. Clair Shores, MI 48080

Macomb County Public Works Commissioner Candice S. Miller

FOR

40 Hour Confined Space
Entry/Attendant/Supervisor & Rescue
29 CFR OSHA 1910.146 & MIOSHA
Part 90

Details

AMOUNT

40 hour training for Confined Space new employee training \$6,880.00

payment - net 30 days

SUBTOTAL \$6,880.00

TAX RATE 0.00%

OTHER \$0.00

TOTAL \$6,880.00

Make all checks payable to RESCUE TRAINING SERVICES LLC

If you have any questions concerning this invoice, use the following contact information:

Kurt McFarlane, 810-712-3090, kurtfire911@gmail.com

THANK YOU FOR YOUR BUSINESS!



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Kellie Kource	2. PHONE # 95337	3. DATE 4/13/22
4. SET ID VP220414KA	5. POST DATE	

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Rescue Training Services LLC	V77144	01	04052022	3/24/2022	\$ 1,340.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210166M	95901	CC0018	95901	WO18300	MIDDD	CPR/First Aid/Bloodborne Pathogens	\$ 670.00	GEN		
B	8210017M	95901	CC0004	95901	WO18006	8 1/2 Mile Relief	CPR/First Aid/Bloodborne Pathogens	\$ 670.00	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ **1,340.00** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>MIDDD/8 1/2</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>4/19/2022</u> 33. Board Date: <u>5/9/2022</u> 34. Select For Pay Date: _____
---	---

per hrs 50% 8.5
50% MISD

INVOICE #04052022 MACOMB SANT CPR FA BBP

RESCUE TRAINING SERVICES LLC

3868 Burns Line
Croswell, Mi 48422
810-712-3090 / DUNS 081210782/

DATE 04/5/2022

BILL TO

Kristofer Benda - Operations Manager
23001 East 9 Mile Rd St. Clair Shores, MI 48080

FOR

6 HR CPR ,FIRST AID
BLOODBORNE PATHOGENS AHA

Macomb County Public Works Commissioner Candice S. Miller

Details

AMOUNT

6 STUDENT CLASS CPR \$1,340.00

VENDOR V77144 April 5th,2022

PO# PW000209

payment - net 30 days

SUBTOTAL \$1,340.00

TAX RATE 0.00%

OTHER \$0.00

TOTAL \$1,340.00

Make all checks payable to RESCUE TRAINING SERVICES LLC

If you have any questions concerning this invoice, use the following contact information:

Kurt McFarlane, 810-712-3090, kurtfire911@gmail.com

THANK YOU FOR YOUR BUSINESS!



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Kellie Kource	2. PHONE # 95337	3. DATE 4/7/22
4. SET ID VP 220412 KA		5. POST DATE

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Tetra Tech, Inc.	V16060	02	51877775	4/1/2022	\$ 102,409.57

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)						
A	8210017M	80138	CC0034	80138	WO21018	8 1/2 Mile Relief		Pjt #200-16347-21002 thru 4/1/22	\$ 102,409.57	GEN		
B												
C												
D												
E												
F												
G												

23. Total: \$ 102,409.57

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u>	30. Drain: <u>8 1/2 Mile Relief</u>
26. Chief Deputy: _____	31. Project Balance: <u>\$702,728.00</u>
27. Engineers: _____	32. Staff Date: <u>4/19/2022</u>
28. Managers: _____	33. Board Date: <u>5/9/2022</u>
29. Coordinator: _____	34. Select For Pay Date: _____

**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER

PROJECT NUMBER **WWS-2021-004** (Tetra Tech Proj# 200-16347-21002)

PROJECT NAME 9 MILE PUMP STATION DESIGN

DRAINAGE DISTRICT 8 1/2 Mile Drainage District

CONSULTANT NAME Tetra Tech of Michigan

INVOICE DATE 4/4/2022 (INVOICE 51877775)

INVOICE START DATE 2/26/2022

INVOICE END DATE 4/1/2022

ORIGINAL CONTRACT AMOUNT	\$	1,476,428.00
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CHANGE ORDER TOTAL	\$	-
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Change Order No. 1		
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Change Order No. 2		
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Change Order No. 3		
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Change Order No. 4		
--------------------	--	--

TOTAL REVISED CONTRACT AMOUNT	\$	1,476,428.00
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(includes all approved change orders only)

TOTAL AMOUNT PREVIOUSLY INVOICED	\$	671,290.43
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TOTAL AMOUNT DUE THIS INVOICE	\$	102,409.57
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TOTAL BUDGET REMAINING	\$	702,728.00
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(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)



Tetra Tech, Inc.
 424 Lewis Hargett Cir.
 Ste. 110
 Lexington, KY 40503
 (859) 223-8000

BILL TO: MACOMB COUNTY
ATTN: FINANCE DEPARTMENT
 OFFICE OF PUBLIC WORKS
 COMMISSIONER
 21777 DUNHAM RD
 PO BOX 806
 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51877775
INVOICE DATE: 04/04/2022
SERVICES THROUGH: 04/01/2022
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Proj WWS-2021-004
 Client Contact: Vincent Astorino
PROFESSIONAL SERVICES:

Project Number 200-16347-21002 **Design, Bidding, and Construction Services for Proposed Nine Mile Pump Station**
Top Task 002F **Topographic Survey FTCH**

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$318.15
TOTAL SUBCONTRACTOR CHARGES		\$318.15
SUBTOTAL		\$318.15
Total Top Task# 002F		\$318.15

Top Task 003 **Basis of Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Voss, Justin D.	Project Engineer 1	7.00	\$195.00	\$1,365.00
Weston, Cynthia A.	Project Administrator	5.50	\$100.00	\$550.00
TOTAL LABOR		12.50		\$1,915.00
SUBTOTAL				\$1,915.00
Total Top Task# 003				\$1,915.00

Top Task 004 **Design 30%**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Boehmke, Brett	Engineer 3	58.25	\$150.00	\$8,737.50
Boehmke, Brett	Project Engineer 1	17.00	\$150.00	\$2,550.00
Clinard, Samuel	Engineer 1	38.50	\$150.00	\$5,775.00
Hernandez Davila, Albert D.	Engineer 1	41.50	\$150.00	\$6,225.00
Kaliman, Roger G.	Sr Engineer 1	147.00	\$195.00	\$28,665.00
Paison, William A.	Sr Engineer 1	28.50	\$225.00	\$6,412.50
Rooker, Kiley J.	CAD Designer	13.00	\$105.00	\$1,365.00
Sissoko, Moussa D.	Project Engineer 2	42.00	\$180.00	\$7,560.00
Tervo, Jeffrey A.	CAD Technician 2	45.00	\$95.00	\$4,275.00
Trotter Karll, Nicole E.	CAD Technician 2	59.50	\$95.00	\$5,652.50
Valles Zubia, Ana Sofia	Technician 1	22.50	\$80.00	\$1,800.00
TOTAL LABOR		512.75		\$79,017.50
SUBTOTAL				\$79,017.50

BILL TO: MACOMB COUNTY
ATTN: FINANCE DEPARTMENT
 OFFICE OF PUBLIC WORKS
 COMMISSIONER
 21777 DUNHAM RD
 PO BOX 806
 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51877775
INVOICE DATE: 04/04/2022
SERVICES THROUGH: 04/01/2022
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
Field Truck Usage	Vehicles (mile)	131.00	\$0.58	\$75.98
TOTAL OTHER DIRECT CHARGES				\$75.98
SUBTOTAL				\$75.98
Total Top Task# 004				\$79,093.48

Top Task	004I	Design 30% CBI	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
EMPLOYEE		TITLE			
Martinez, Lorenzo		CAD Designer	2.50	\$105.00	\$262.50
Ungerer, Jacob		CAD Technician 2.	17.00	\$90.00	\$1,530.00
TOTAL LABOR			19.50		\$1,792.50
SUBTOTAL					\$1,792.50
Total Top Task# 004I					\$1,792.50

Top Task	005	CMaR Bidding	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
EMPLOYEE		TITLE			
Rubel, Brian M.		Program Manager	18.00	\$250.00	\$4,500.00
TOTAL LABOR			18.00		\$4,500.00
SUBTOTAL					\$4,500.00

OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
Rubel, Brian M.	Mileage (unit)	107.92	\$0.58	\$63.13
TOTAL OTHER DIRECT CHARGES				\$63.13
SUBTOTAL				\$63.13
Total Top Task# 005				\$4,563.13

Top Task	005F	CMaR Bidding FTCH	CURRENT AMOUNT
SUBCONTRACTOR		TYPE	
FISHBECK THOMPSON CARR & HUBER INC		Subcontractor-External	\$1,292.61
TOTAL SUBCONTRACTOR CHARGES			\$1,292.61
SUBTOTAL			\$1,292.61
Total Top Task# 005F			\$1,292.61

Top Task	005I	CMaR Bidding CBI	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
EMPLOYEE		TITLE			
D'Isabella, Linda A.		Architect	19.50	\$150.00	\$2,925.00
TOTAL LABOR			19.50		\$2,925.00
SUBTOTAL					\$2,925.00
Total Top Task# 005I					\$2,925.00

BILL TO: MACOMB COUNTY
ATTN: FINANCE DEPARTMENT
 OFFICE OF PUBLIC WORKS
 COMMISSIONER
 21777 DUNHAM RD
 PO BOX 806
 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51877775
INVOICE DATE: 04/04/2022
SERVICES THROUGH: 04/01/2022
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Top Task	006	Final Design		
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE
Bauer, Celeste E.		Engineer 2	14.00	\$155.00
TOTAL LABOR			14.00	\$2,170.00
			SUBTOTAL	\$2,170.00

Total Top Task# 006 **\$2,170.00**

Top Task	006E	Final Design FKE		
SUBCONTRACTOR		TYPE		CURRENT AMOUNT
FK ENGINEERING ASSOCIATES		Subcontractor-External		\$1,963.50
TOTAL SUBCONTRACTOR CHARGES				\$1,963.50
			SUBTOTAL	\$1,963.50

Total Top Task# 006E **\$1,963.50**

Top Task	006F	Final Design FTCH		
SUBCONTRACTOR		TYPE		CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC		Subcontractor-External		\$5,532.45
TOTAL SUBCONTRACTOR CHARGES				\$5,532.45
			SUBTOTAL	\$5,532.45

Total Top Task# 006F **\$5,532.45**

Top Task	006I	Final Design CBI		
EMPLOYEE		TITLE	CURRENT LABOR HOURS	LABOR RATE
D'Isabella, Linda A.		Architect	4.50	\$150.00
Graf, Mitchell J.		Project Manager 2	0.75	\$225.00
TOTAL LABOR			5.25	\$843.75
			SUBTOTAL	\$843.75

Total Top Task# 006I **\$843.75**

Total Project# 200-16347-21002 **\$102,409.57**

TOTAL AMOUNT DUE THIS INVOICE: **\$102,409.57**

BILL TO: MACOMB COUNTY
ATTN: FINANCE DEPARTMENT
 OFFICE OF PUBLIC WORKS
 COMMISSIONER
 21777 DUNHAM RD
 PO BOX 806
 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51877775
INVOICE DATE: 04/04/2022
SERVICES THROUGH: 04/01/2022
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Gross Contract Summary	
Contract Amount	\$1,476,428.00
Previously Billed	\$671,290.43
Current Billing	\$102,409.57
Total Billed to Date	\$773,700.00
Contract Balance Remaining	\$702,728.00

REMIT PAYMENT TO:
TETRA TECH, INC.
PO BOX 911967
DENVER, CO 80291-1967

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.



Payment Options

Remit Wire/ACH payments to Acct: 100094457 ABA: 072413829
 Remit checks to: 1515 Arboretum Drive, SE, Grand Rapids, Michigan 49546
 Remittance Advice: accounts.receivable@fishbeck.com
 616.575.3824
 Federal I.D. No. 38-1841857 | Incorporated

Attention: Brian Rubel PE
Tetra Tech Mps
710 Avis Drive Suite 100
Ann Arbor, MI 48108
United States

Invoice: 409716
Invoice Date: 3/24/2022
Project: 210764
Project Name: Macomb Co PW/9 Mile Pump Station
Bill Term: 1

For Professional Services Rendered Through 3/18/2022

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Infrastructure Survey - 3D Scan	44,000.00	97.00	43,903.00	43,903.00	0.00
2 - Task 2 - Topographical & Boundary Survey	53,000.00	29,097.95	24,205.05	23,902.05	303.00
<i>Rate Labor</i>		303.00			
3 - Task 3 - Basis of Design	29,500.00	20.10	29,479.90	29,479.90	0.00
4 - Task 4 - 30% Design	49,500.00	0.50	49,499.50	49,499.50	0.00
5 - Task 5 - CMAA Bidding	12,572.00	11,360.00	2,443.06	1,212.00	1,231.06
<i>Rate Labor</i>		1,188.50			
<i>Unit Rate Expense</i>		42.56			
6 - Task 6 - Final Design	90,954.00	84,321.00	11,902.00	6,633.00	5,269.00
<i>Rate Labor</i>		5,269.00			
Current Billings					6,803.06
Amount Due This Bill					6,803.06

ok to pay when paid
B. Rubel
3/24/22

2 - Task 2 - Topographical & Boundary Survey

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Engineer	1.50	202.0000	303.00
Total Rate Labor			303.00

5 - Task 5 - CMAA Bidding

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Engineer	5.50	202.0000	1,111.00
Senior Engineering Specialist	0.50	155.0000	77.50
Total Rate Labor			1,188.50

Unit Rate Expenses

Account / Unit

<i>Account / Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
Mileage			
Mileage - Employee Vehicle	76.00	0.5600	42.56
Total Unit Rate Expenses			42.56

Total Bill Task: 5 - Task 5 - CMAA Bidding

1,231.06

6 - Task 6 - Final Design

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer	13.00	139.0000	1,807.00
Senior Engineer	18.50	184.0000	3,404.00
Senior Technician	0.50	116.0000	58.00
Total Rate Labor			5,269.00

Total Bill Task: 6 - Task 6 - Final Design

5,269.00

Total Project: 210764 - Macomb Co PW/9 Mile Pump Station

6,803.06



FK Engineering Associates
 30425 Stephenson Hwy
 Madison Heights, MI 48071
 (248) 817-2946

INVOICE

Tetra Tech

1005 River Street, Suite 1
 Port Huron, MI 48079

Invoice Date: 03/08/22
 Total Amount: \$1,870.00
 Number: 21-078-007
 Invoice Period: 02/06/22 - 03/05/22
 PO Number: Project #200-16347-21002
 Project Code: 21-078
 Project: Macomb Nine Mile Pump Station

INVOICE SUMMARY

Description	Amount
Basis of Design	-
30% Design (including Sue)	-
Final Design	\$1,870.00
9 Mile Sewer Repair	-

Description	Total Budget	Total % Complete	Prior Billing (\$)	This Invoice (\$)
Basis of Design	\$20,000.00	100.00%	\$20,000.00	-
30% Design (including Sue)	\$73,000.00	100.00%	\$73,000.00	-
Final Design	\$22,000.00	8.50%	-	\$1,870.00
9 Mile Sewer Repair	-	-	-	-
	\$0	\$0	\$0	\$0
BUDGET TOTALS	\$115,000.00		\$93,000.00	\$1,870.00
TOTAL AMOUNT DUE				\$1,870.00

Remit payment to:
 30425 Stephenson Hwy, Madison Heights, MI 48071
 Terms: Due upon receipt or per contract

OK to pay
B. Ruhl
3/10/22



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/7/22
4. SET ID		5. POST DATE
VP220414 KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Tetra Tech, Inc.	V16060	02	51877773	4/1/2022	\$ 6,387.36

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017C	80138	CC0033	80138	WO21021	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 4/1	\$ 6,387.36	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 6,387.36 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
In-System Storage Devices - MEDC GRANT BALANCE \$281,318.10

25. Finance Officer: _____ BM/kk 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: _____ 8 1/2 Mile Relief 31. Project Balance: _____ \$1,063,199.47 32. Staff Date: _____ 4/19/2002 33. Board Date: _____ 5/9/2022 34. Select For Pay Date: _____
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**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER WO19004

PROJECT NUMBER WWS-2019-003 (Tetra Tech# 200-16347-19001)

PROJECT NAME In-System Storage Devices

DRAINAGE DISTRICT Eight and One-Half Mile Relief Drain Drainage District

CONSULTANT NAME Tetra Tech of Michigan

INVOICE DATE 04/04/2022 (INVOICE 51877773)

INVOICE START DATE 2/26/2022

INVOICE END DATE 4/1/2022

ORIGINAL CONTRACT AMOUNT	\$ 481,098.00
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CHANGE ORDER TOTAL	\$ 1,974,409.00
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Change Order No. 1	\$ 949,435.00
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Change Order No. 2	\$ 1,024,974.00
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Change Order No. 3	
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Change Order No. 4	
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TOTAL REVISED CONTRACT AMOUNT	\$ 2,455,507.00
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(includes all approved change orders only)

TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 1,385,920.17
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TOTAL AMOUNT DUE THIS INVOICE	\$ 6,387.36
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TOTAL BUDGET REMAINING	\$ 1,063,199.47
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(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)



Tetra Tech, Inc.
 424 Lewis Hargett Cir.
 Ste. 110
 Lexington, KY 40503
 (859) 223-8000

BILL TO: MACOMB COUNTY
ATTN: FINANCE DEPARTMENT
 OFFICE OF PUBLIC WORKS
 COMMISSIONER
 21777 DUNHAM RD
 PO BOX 806
 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51877773
INVOICE DATE: 04/04/2022
SERVICES THROUGH: 04/01/2022
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

ESA dated 10 July 2019; Project WWS-2019-003

Client Contact: Vince Astorino

PROFESSIONAL SERVICES:

Project Number 200-16347-19001 **In-System Storage Devices**
Top Task 02BS_FTCH **Design - Subcontractor FTCH**

SUBCONTRACTOR		TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC		Subcontractor-External	\$968.00
TOTAL SUBCONTRACTOR CHARGES			\$968.00
SUBTOTAL			\$968.00
Total Top Task# 02BS_FTCH			\$968.00

Top Task 02C **Bidding**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Kaliman, Roger G.	Sr Engineer 1	2.50	\$210.00	\$525.00
TOTAL LABOR			2.50	\$525.00
SUBTOTAL				\$525.00
Total Top Task# 02C				\$525.00

Top Task 03 **Construction Administration**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Ard, Timothy W.	Construction Manager 1	9.50	\$190.00	\$1,805.00
Johnston, Jeffrey	Engineer 3	0.50	\$115.00	\$57.50
Paison, William A.	Sr Engineer 1	1.00	\$240.00	\$240.00
Rubel, Brian M.	Program Manager	2.00	\$250.00	\$500.00
Trotter Karl, Nicole E.	CAD Technician 2	6.50	\$95.00	\$617.50
Weiss, David J.	Sr Constr Project Rep 1	3.00	\$120.00	\$360.00
Weston, Cynthia A.	Project Administrator	8.50	\$105.00	\$892.50
TOTAL LABOR			31.00	\$4,472.50
SUBTOTAL				\$4,472.50
Total Top Task# 03				\$4,472.50

Top Task 03.5 **Construction Administration - FKE**

BILL TO: MACOMB COUNTY
ATTN: FINANCE DEPARTMENT
 OFFICE OF PUBLIC WORKS
 COMMISSIONER
 21777 DUNHAM RD
 PO BOX 806
 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51877773
INVOICE DATE: 04/04/2022
SERVICES THROUGH: 04/01/2022
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$106.98
TOTAL SUBCONTRACTOR CHARGES		\$106.98
SUBTOTAL		\$106.98
Total Top Task# 03.5		\$106.98

Top Task 04.5 Quality Control - FKE

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$314.88
TOTAL SUBCONTRACTOR CHARGES		\$314.88
SUBTOTAL		\$314.88
Total Top Task# 04.5		\$314.88
Total Project# 200-16347-19001		\$6,387.36

TOTAL AMOUNT DUE THIS INVOICE: **\$6,387.36**

Gross Contract Summary	
Contract Amount	\$2,455,507.00
Previously Billed	\$1,385,920.17
Current Billing	\$6,387.36
Total Billed to Date	\$1,392,307.53
Contract Balance Remaining	\$1,063,199.47

REMIT PAYMENT TO:
 TETRA TECH, INC.
 PO BOX 911967
 DENVER, CO 80291-1967

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.

Payment Options

Remit Wire/ACH payments to Acct: 100094457 ABA: 072413829
 Remit checks to: 1515 Arboretum Drive, SE, Grand Rapids, Michigan 49546
 Remittance Advice: accounts.receivable@fishbeck.com
 616.575.3824
 Federal I.D. No. 38-1841857 | Incorporated

Attention: Brian Rubel PE
Tetra Tech Mps
710 Avis Drive Suite 100
Ann Arbor, MI 48108
United States

Invoice: 408910
Invoice Date: 2/23/2022
Project: 200732
Project Name: Macomb Co PW/In-system Storage
 Design Phase
Bill Term: 1

For Professional Services Rendered Through 2/18/2022

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	1,621.20	95,782.80	94,902.80	880.00
Rate Labor		880.00			
					880.00
					Amount Due This Bill
					880.00

OK to pay when paid
 B. Rubel
 2/26/22

1 - Task 1C - 8.5 Mile Utility Survey

Rate Labor

<u>Class</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Production Support	0.50	70.0000	35.00
Senior Engineer	6.50	130.0000	845.00
Total Rate Labor			880.00

Total Bill Task: 1 - Task 1C - 8.5 Mile Utility Survey **880.00**

Total Project: 200732 - Macomb Co PW/In-system Storage Design Phase **880.00**



FK Engineering Associates
 30425 Stephenson Hwy
 Madison Heights, MI 48071
 (248) 817-2946

INVOICE

Tetra Tech
 Brian Rubel
 710 Avis Drive - Suite 100
 Ann Arbor, MI 48108

Invoice Date: 03/08/22
 Total Amount: \$383.50
 Number: 19-102-018
 Invoice Period: 11/14/21 - 03/05/22
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE SUMMARY

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
CCA:Task 04 Quality Control				\$286.25
CCA:Task 05 Construction Administration				\$97.25
Task 01 - Study Phase	\$23,000.00	\$3,964.05	\$19,035.95	--
Task 02 - Design Phase	\$68,000.00	-\$2,618.67	\$70,618.67	--
	--	--	--	--
CCA				
Task 04 Quality Control	\$113,000.00	\$112,713.75		\$286.25
Task 05 Construction Administration	\$17,000.00	\$16,902.75		\$97.25
CCA	\$130,000.00	\$129,616.50		\$383.50
BUDGET TOTALS	\$221,000.00	\$130,961.88	\$89,654.62	\$383.50
TOTAL AMOUNT DUE				\$383.50

Remit payment to: 30425 Stephenson Hwy, Madison Heights, MI 48071
 Terms: Due upon receipt or per contract

OK to pay when paid
B Rubel
3/10/22



FK Engineering Associates
 30425 Stephenson Hwy
 Madison Heights, MI 48071
 (248) 817-2946

INVOICE

Tetra Tech
 Brian Rubel
 710 Avis Drive - Suite 100
 Ann Arbor, MI 48108

Invoice Date: 03/08/22
 Total Amount: \$383.50
 Number: 19-102-018
 Invoice Period: 11/14/21 - 03/05/22
 PO Number:
 Project Code: 19-102
 Project: Macomb In-Line Storage

INVOICE DETAILS

Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
Professional Fees						
Margaret O'Reilly	11/18/21	10-Administrative Assistant	Draft, finalize, and send invoice	0.25	\$55.00	\$13.75
Ava Riley	12/01/21	10-Administrative Assistant	Filing invoices	0.25	\$55.00	\$13.75
Margaret O'Reilly	12/28/21	10-Administrative Assistant	Set up new task	0.25	\$55.00	\$13.75
Ava Riley	01/10/22	10-Administrative Assistant	Processing payment	0.25	\$55.00	\$13.75
Zachary Carr, P.E.	01/13/22	02-Principal Engineer/Officer	startup	0.50	\$145.00	\$72.50
Margaret O'Reilly	01/14/22	10-Administrative Assistant	Set up new tasks per Amendment No. 3	0.25	\$55.00	\$13.75
Zachary Carr, P.E.	01/18/22	02-Principal Engineer/Officer		0.25	\$145.00	\$36.25
Zachary Carr, P.E.	02/21/22	02-Principal Engineer/Officer	Introduced Project team to Tetra Tech	0.75	\$145.00	\$108.75
			CCA:Task 04 Quality Control	2.75		\$286.25
Nicholas Kacynski, P.E.	01/24/22	04-Project Engineer/Geologist	Revise and post IFC DWGs	0.50	\$112.00	\$56.00
Alexa McClain	02/21/22	10-Administrative Assistant	ProjectTeam Demo	0.75	\$55.00	\$41.25
			CCA:Task 05 Construction Administration	1.25		\$97.25
			Professional Fees	4.00		\$383.50
			TOTAL FEES/EXPENSES	-		\$383.50



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/7/22
4. SET ID		5. POST DATE
VP 220412KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Wade Trim	V09446	1201	2023520	3/25/2022	\$ 23,071.93

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017C	80138	CC0037	80138	WO22006	8 1/2 Mile Relief	Pjt #MCW200501T, 1/29-3/25	\$ 23,071.93	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 23,071.93

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Chapaton RTB Canal ~~Upgrade~~
Rehab

<p>25. Finance Officer: _____</p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: 8 1/2 Mile Relief</p> <p>31. Project Balance: \$214,710.90(Grant Balance: \$1,272,975.10)</p> <p>32. Staff Date: 4/19/2022</p> <p>33. Board Date: 5/9/2022</p> <p>34. Select For Pay Date: _____</p>
---	--

**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER 19004

PROJECT NUMBER WWS-2019-002

PROJECT NAME Chapaton RTB Canal Upgrades

DRAINAGE DISTRICT Eight and One-Half Mile

CONSULTANT NAME Wade Trim Associates, Inc.

INVOICE DATE 3/30/2022

INVOICE START DATE 1/29/2022

INVOICE END DATE 3/25/2022

ORIGINAL CONTRACT AMOUNT	\$ 977,611.00
CHANGE ORDER TOTAL	\$ 510,075.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 335,263.00
Change Order No. 3	\$ 99,812.00
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,487,686.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 1,249,903.17
TOTAL AMOUNT DUE THIS INVOICE	\$ 23,071.93
TOTAL BUDGET REMAINING	\$ 214,710.90
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



25251 Northline Road • Taylor, MI 48180
734.947.9700 • www.wadetrtrim.com

INVOICE

Terms: Net 30 Days
1.5% Per Month After 30 Days
18% Annual Rate

ACH payments accepted. Send inquiries to remit@wadetrtrim.com

Remit Payment To: Wade Trim, 25251 Northline Road, Taylor, MI 48180

Attention: Vince Astorino
Operations and Flow Manager
Macomb County Public Works
21777 Dunham Road
Clinton Township, MI 48036

Invoice : 2023520
Invoice Date : 3/30/2022
Project : MCW200501T
Project Name : Chapaton RTB Canal Upgrades

For Professional Services Rendered For 1/29/2022 Through 3/25/2022

** All subconsultant invoices marked up 5% **

		<u>Billings</u>				
		<u>Fee</u>	<u>Available</u>	<u>To Date</u>	<u>Previous</u>	<u>Current</u>
		1,487,686.00	237,782.83	1,272,975.10	1,249,903.17	23,071.93
<i>Rate Labor</i>	9,901.25					
<i>Expenses</i>	13,170.68					
					Current Billings	<u>23,071.93</u>
					Amount Due This Bill	<u>23,071.93</u>

Total Fee : 1,487,686.00
To Date Billings : 1,272,975.10
Total Remaining : 214,710.90

8A1 - Wade Trim

Rate Labor

Class / Employee

Engineer IV

Tyler Barkho

Date	Hours	Rate	Amount
3/8/2022	8.00	155.0000	1,240.00
3/9/2022	3.00	155.0000	465.00
3/18/2022	2.00	155.0000	310.00
3/21/2022	2.00	155.0000	310.00
	-----		-----
Total Engineer IV	15.00		2,325.00

Project Admin

Melanie A Phillips

2/15/2022	0.50	90.0000	45.00
3/21/2022	0.50	90.0000	45.00
	-----		-----
Total Project Admin	1.00		90.00

Senior Professional

Steven A Kalinowski

3/7/2022	2.00	265.0000	530.00
3/8/2022	1.50	265.0000	397.50
3/9/2022	0.50	265.0000	132.50
3/14/2022	0.50	265.0000	132.50
3/16/2022	0.50	265.0000	132.50
3/17/2022	1.00	265.0000	265.00
3/18/2022	0.50	265.0000	132.50
3/21/2022	2.00	265.0000	530.00
3/17/2022	3.00	265.0000	795.00

James K White

John Arvai

2/2/2022	0.50	265.0000	132.50
2/4/2022	0.50	265.0000	132.50
2/7/2022	1.00	265.0000	265.00
2/11/2022	0.50	265.0000	132.50
2/22/2022	0.50	265.0000	132.50
2/28/2022	0.50	265.0000	132.50
3/1/2022	0.25	265.0000	66.25
3/7/2022	2.00	265.0000	530.00
3/8/2022	1.00	265.0000	265.00
3/17/2022	1.00	265.0000	265.00
3/18/2022	1.00	265.0000	265.00
3/21/2022	4.00	265.0000	1,060.00
3/22/2022	0.50	265.0000	132.50

Jeffrey W Reinhout

3/7/2022	0.50	265.0000	132.50
3/8/2022	1.00	265.0000	265.00
3/15/2022	1.00	265.0000	265.00
3/21/2022	1.00	265.0000	265.00
	-----		-----
Total Senior Professional	28.25		7,486.25

Total Rate Labor

9,901.25

Total Bill Task: 8A1 - Wade Trim

9,901.25

8A2 - NTH					
Expenses					
<i>Account / Vendor</i>	<i>Doc Number</i>	<i>Date</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Subconsultants					
NTH Consultants LTD	0020021377	3/11/2022	6,342.50	1.050	6,659.63
Total Expenses					6,659.63

8A3 - ASI					
Expenses					
<i>Account / Vendor</i>	<i>Doc Number</i>	<i>Date</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Subconsultants					
Applied Science Inc	0020021376	3/25/2022	6,201.00	1.050	6,511.05
Total Expenses					6,511.05

Total Project: MCW200501T - Chapaton RTB Canal Upgrades **23,071.93**

Work Description:

Project management and coordination of conceptual design activities, staff and team meetings. Technical analysis of revised design inclusive of new concept drawings. Collaboration meetings with MCPWO. Updating of BOD document and preliminary estimate. Prepared monthly invoice and progress report.



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

Attention: John Arvai
Wade-Trim Associates, Inc.
25251 Northline
Taylor, MI 48180
US

Invoice : 628900
Invoice Date : 3/7/2022
Due Date: 4/6/2022
Project : 62190022
Project Name : MCO - Chapaton RTB Canal
Upgrades
Bill Term : 50

For Professional Services Rendered Through 2/25/2022

Authorization per Subcontractor Amendment No.1 signed on 2/4/2022

Existing Canal Widening

		<u>Billings</u>			
	<u>Fee</u>	<u>Available</u>	<u>To Date</u>	<u>Previous</u>	<u>Current</u>
50 - Existing Canal Widening	25,090.00	25,090.00	6,342.50	0.00	6,342.50
<i>Rate Labor</i>	6,342.50				
			Current Billings		<u>6,342.50</u>
			Amount Due This Bill		<u><u>6,342.50</u></u>

Total Fee : 25,090.00
To Date Billings : 6,342.50
Total Remaining : 18,747.50

50 - Existing Canal Widening

Rate Labor

Class / Employee

	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Project Professional			
Anthony Brehmer	1.50	150.000	225.00
Sr Principal Engineer			
Charles Roarty	8.50	215.000	1,827.50
Total Charles Roarty	8.50		1,827.50
Total Sr Principal Engineer	8.50		1,827.50
Sr Staff Professional			
Lauren Granger	33.00	130.000	4,290.00
Total Rate Labor			6,342.50
Total Bill Task: 50 - Existing Canal Widening			6,342.50

Total Project: 62190022 - MCO - Chapaton RTB Canal Upgrades

6,342.50



Applied Science, Inc.

300 River Place Suite 5400 Detroit, MI 48207
Phone: (313) 567-3990 Fax: (313) 567-3750
www.asi-detroit.com

March 21, 2022

Invoice #9 (ASI Inv. #X)

John Arvai, P.E.
Wade Trim
25251 Northline Road
Taylor, Michigan 48180

RE: RTB Canal Upgrades (2022 Revision)
(ASI Job No. 1831)

Services provided from January 1, 2022 through March 19, 2022.

<u>Employee</u>	<u>Classification</u>	<u>Direct Labor Hrs.</u>	<u>Hourly Rate</u>	<u>Total</u>
John Michalski	Sr. Project Manager	17.0	\$ 169.00	\$ 2,873.00
Paul Szaga	Project Engineer	26.0	\$ 128.00	\$ 3,328.00
Total this invoice:				\$ 6,201.00
Previous Amount Invoiced:				\$ 66,789.00
Total Invoiced To-Date:				\$ 72,990.00
Not To Exceed (Original Budget):				\$ 68,005.00
Amendment No. 1 Budget:				\$ 27,000.00
Authorized Budget:				\$ 95,005.00
Amount Remaining:				\$ 22,015.00
Total Amount Due This Invoice:				\$ 6,201.00



Time by Project

1/2/2022 (Sun) - 3/19/2022 (Sat)

(Single Project)

(Includes unapproved hours)

	Hours	Date	Task	Type	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Approver	Status	Description
Macomb Co. Public Works:1831 Chapaton Canal & Gate														
Michalski, John R.	1	01/16/22	1831 Chapaton Canal & Gate:1-001 Proposal	Reg	0	0	0	0	0	1	0	CEC	01/24/22	
	3	02/20/22	1831 Chapaton Canal & Gate:1-400 2022 Redesign	Reg	0	1	1	0	1	0	0	CEC	03/07/22	
	3	02/27/22	1831 Chapaton Canal & Gate:1-400 2022 Redesign	Reg	0	0	0	0	2	1	0	CEC	03/07/22	
	5	03/06/22	1831 Chapaton Canal & Gate:1-400 2022 Redesign	Reg	0	2	0	0	2	1	0	CEC	03/18/22	
	5	03/13/22	1831 Chapaton Canal & Gate:1-400 2022 Redesign	Reg	0	2	0	0	2	1	0	CEC	03/18/22	
<i>Subtotal</i>	17													
Szлага, Paul J.	2	01/16/22	1831 Chapaton Canal & Gate:1-400 2022 Redesign	Reg	0	0	0	0	0	2	0	CEC	01/24/22	Kickoff meeting.
	4	02/13/22	1831 Chapaton Canal & Gate:1-400 2022 Redesign	Reg	0	0	0	0	0	4	0	CEC	02/17/22	
	8	02/20/22	1831 Chapaton Canal & Gate:1-400 2022 Redesign	Reg	0	4	4	0	0	0	0	CEC	03/07/22	
	2	02/27/22	1831 Chapaton Canal & Gate:1-400 2022 Redesign	Reg	0	0	0	0	0	2	0	CEC	03/07/22	
	10	03/06/22	1831 Chapaton Canal & Gate:1-400 2022 Redesign	Reg	0	8	0	0	0	2	0	CEC	03/18/22	Weir length vs. gate size
<i>Subtotal</i>	26													
<i>Subtotal</i>	43													
Total	43													

[About](#) v9.0 (r25)



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/26/22
4. SET ID		5. POST DATE
VP220429 / CA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Wade Trim	V09446	0201	2023777	4/27/2022	\$ 14,368.53

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017C	80138	CC0037	80138	WO22006	8 1/2 Mile Relief	\$ 14,368.53	GEN			
B					WO9004						
C											
D											
E											
F											
G											

23. Total: \$ **14,368.53** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Chapaton RTB Canal Rehab MEDC Grant Balance \$216,111.74

<p>25. Finance Officer: _____</p> <p>26. Chief Deputy: <u>LB</u></p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$200,342.37(Grant Balance: \$1,272,975.10)</u></p> <p>32. Staff Date: <u>5/3/2022</u></p> <p>33. Board Date: <u>5/9/2022</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER 19004

PROJECT NUMBER WWS-2019-002

PROJECT NAME Chapaton RTB Canal Upgrades

DRAINAGE DISTRICT Eight and One-Half Mile

CONSULTANT NAME Wade Trim Associates, Inc.

INVOICE DATE 4/27/2022

INVOICE START DATE 3/26/2022

INVOICE END DATE 4/22/2022

ORIGINAL CONTRACT AMOUNT	\$ 977,611.00
CHANGE ORDER TOTAL	\$ 510,075.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 335,263.00
Change Order No. 3	\$ 99,812.00
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 1,487,686.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 1,272,975.10
TOTAL AMOUNT DUE THIS INVOICE	\$ 14,368.53
TOTAL BUDGET REMAINING	\$ 200,342.37
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



25251 Northline Road • Taylor, MI 48180
734.947.9700 • www.wadetrim.com

INVOICE

Terms: Net 30 Days
1.5% Per Month After 30 Days
18% Annual Rate

ACH payments accepted. Send inquiries to remit@wadetrim.com

Remit Payment To: Wade Trim, 25251 Northline Road, Taylor, MI 48180

Attention: Vince Astorino
Operations and Flow Manager
Macomb County Public Works
21777 Dunham Road
Clinton Township, MI 48036

Invoice : 2023777
Invoice Date : 4/27/2022
Project : MCW200501T
Project Name : Chapaton RTB Canal Upgrades

For Professional Services Rendered For 3/26/2022 Through 4/22/2022

** All subconsultant invoices marked up 5% **

		<u>Billings</u>				
		<u>Fee</u>	<u>Available</u>	<u>To Date</u>	<u>Previous</u>	<u>Current</u>
		1,487,686.00	214,710.90	1,287,343.63	1,272,975.10	14,368.53
<i>Rate Labor</i>	7,322.50					
<i>Expenses</i>	7,046.03					
					Current Billings	<u>14,368.53</u>
					Amount Due This Bill	<u>14,368.53</u>

Total Fee : 1,487,686.00
To Date Billings : 1,287,343.63
Total Remaining : 200,342.37

Outstanding Receivables	<u>Invoice Number</u>	<u>Date</u>	<u>Amount</u>	<u>Balance Due</u>
	2023520	3/30/2022	23,071.93	<u>23,071.93</u>
				23,071.93

8A1 - Wade Trim

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Engineer IV				
Tyler Barkho	3/29/2022	0.50	155.0000	77.50
Project Admin				
Melanie A Phillips	4/12/2022	0.50	90.0000	45.00
Denise L Smith	3/31/2022	0.50	90.0000	45.00
Total Project Admin		1.00		90.00
Senior Professional				
Steven A Kalinowski	3/28/2022	1.00	265.0000	265.00
	3/31/2022	2.00	265.0000	530.00
	4/1/2022	2.00	265.0000	530.00
	4/4/2022	1.00	265.0000	265.00
	4/15/2022	1.00	265.0000	265.00
	4/19/2022	3.00	265.0000	795.00
James K White	4/19/2022	3.00	265.0000	795.00
John Arvai	3/28/2022	1.50	265.0000	397.50
	3/29/2022	1.00	265.0000	265.00
	4/1/2022	3.00	265.0000	795.00
	4/8/2022	1.00	265.0000	265.00
	4/12/2022	0.50	265.0000	132.50
	4/14/2022	0.50	265.0000	132.50
	4/19/2022	1.00	265.0000	265.00
Jeffrey W Reynhout	3/28/2022	2.00	265.0000	530.00
	3/29/2022	1.00	265.0000	265.00
	4/6/2022	1.00	265.0000	265.00
	4/19/2022	1.50	265.0000	397.50
Total Senior Professional		27.00		7,155.00
Total Rate Labor				7,322.50
Total Bill Task: 8A1 - Wade Trim				7,322.50

8A2 - NTH

Expenses

<i>Account / Vendor</i>	<i>Doc Number</i>	<i>Date</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
Subconsultants					
NTH Consultants LTD	0020021499	4/8/2022	6,710.50	1.050	7,046.03
Total Expenses					7,046.03

Total Project: MCW200501T - Chapaton RTB Canal Upgrades

14,368.53

Work Description:

Project management and coordination of design activities, staff and team meetings. Advanced draft BOD and attended review meeting. Prepared monthly invoice and progress report.

50 - Existing Canal Widening

Rate Labor

<i>Class / Employee</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Project Professional			
Anthony Brehmer	8.50	150.000	1,275.00
Lauren Granger	10.00	150.000	1,500.00
Total Lauren Granger	10.00		1,500.00
Total Project Professional	18.50		2,775.00
Sr Principal Engineer			
Charles Roarty	12.75	215.000	2,741.25
Staff Professional			
Stephen H. Bryan	7.50	115.000	862.50
Stephen H. Bryan	1.75	115.000	201.25
Total Staff Professional	9.25		1,063.75
Word Processor			
Marguerite A. McKiever	1.00	75.000	75.00
Total Rate Labor			6,655.00
Unit Rate Expenses			
<i>Account / Unit / Vendor</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
Per Unit Expenses			
CADD Supplies			
Stephen H. Bryan	9.25	6.000	55.50
Total Unit Rate Expenses			55.50
Total Bill Task: 50 - Existing Canal Widening			6,710.50

Total Project: 62190022 - MCO - Chapaton RTB Canal Upgrades

6,710.50



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/29/22
4. SET ID		5. POST DATE
VP220429 KA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Weiss Construction	V081320	01	WWS-2021-006 APP 1	4/28/2022	\$ 105,826.50

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017C	80126	CC0033	80126	WO21022	8 1/2 Mile	In-System Storage App 1	\$ 105,826.50	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 105,826.50

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: _____	30. Drain: _____
BM/kk	8 1/2 Mile
26. Chief Deputy: _____	31. Project Balance: _____
	\$9,567,373.50
27. Engineers: _____	32. Staff Date: _____
	5/3/2022
28. Managers: _____	33. Board Date: _____
	5/9/2022
29. Coordinator: _____	34. Select For Pay Date: _____

**MACOMB COUNTY PUBLIC WORKS OFFICE
CONTRACTOR INVOICE COVER SHEET**

WORK ORDER NUMBER ~~WO19004~~ *WO 22006*

PROJECT NUMBER WWS-2021-006

PROJECT NAME In-System Storage

DRAINAGE DISTRICT 8-1/2 Mile Relief Drain

CONTRACTOR NAME Weiss Construction Co., LLC

INVOICE DATE 4/28/2022

INVOICE START DATE 1/30/2022

INVOICE END DATE 4/22/2022

ORIGINAL CONTRACT AMOUNT		\$ 9,673,200.00
CHANGE ORDER TOTAL		\$ -
Change Order No. 1	Date Executed:	
Change Order No. 2	Date Executed:	
Change Order No. 3	Date Executed:	
Change Order No. 4	Date Executed:	
TOTAL REVISED CONTRACT AMOUNT		\$ 9,673,200.00
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED		\$ -
TOTAL AMOUNT DUE THIS INVOICE		\$ 105,826.50
TOTAL BUDGET REMAINING		\$ 9,567,373.50
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		

Contractor's Application for Payment



Owner:	<u>Macomb County Public Works</u>	Owner's Project No.:	<u>WWS-2021-0006</u>
Engineer:	<u>Tetra Tetra</u>	Engineer's Project No.:	<u>200-16347-19001</u>
Contractor:	<u>Weiss Construction</u>	Contractor's Project No.:	<u>2022-01</u>
Project:	<u>8-1/2 Mile Relief Drain DD - In System Storage</u>		
Contract:	<u>WWS-2021-006</u>		

Application No.: 001 **Application Date:** 1/30/2022
Application Period: **From** 1/30/2022 **to** 4/22/2022

1. Original Contract Price	\$ 9,673,200.00
2. Net change by Change Orders	\$ -
3. Current Contract Price (Line 1 + Line 2)	\$ 9,673,200.00
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$ 117,585.00
5. Retainage	
a. <u>10%</u> X \$ <u>117,585.00</u> Work Completed	\$ 11,758.50
b. _____ X \$ <u>40,710.00</u> Stored Materials	\$ -
c. Total Retainage (Line 5.a + Line 5.b)	\$ 11,758.50
6. Amount eligible to date (Line 4 - Line 5.c)	\$ 105,826.50
7. Less previous payments (Line 6 from prior application)	
8. Amount due this application	\$ 105,826.50
9. Balance to finish, including retainage (Line 3 - Line 4)	\$ 9,555,615.00

Contractor's Certification
The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Weiss Construction - Zach Zechmeister
Signature:  **Date:** 4/28/2022

Recommended by Engineer	Approved by Owner
By: <u></u>	By: <u></u>
Title: <u>Construction Manager</u>	Title: <u>Operations Manager</u>
Date: <u>April 29, 2022</u>	Date: <u>4.29.22</u>
Approved by Funding Agency	
By: _____	By: <u></u>
Title: _____	Title: <u>Engineer II</u>
Date: _____	Date: <u>04.29.22</u>

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2021-0006
Engineer:	Tetra Tetra	Engineer's Project No.:	200-16347-19001
Contractor:	Weiss Construction	Contractor's Project No.:	2022-01
Project:	8-1/2 Mile Relief Drain DD - In System Storage		
Contract:	WWS-2021-006		

Application No.: 001 Application Period: From 01/30/22 to 04/22/22 Application Date: 04/26/22

A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			D (D + E) From Previous Application (\$)	E This Period (\$)				
Original Contract								
General								
1	Project Management - 20 months	\$300,000.00	-	45,000.00	-	45,000.00	15%	255,000.00
2	Mobilization (Main Site)	\$363,000.00	-	-	-	-	0%	363,000.00
3	Demobilization (All Sites)	\$121,000.00	-	-	-	-	0%	121,000.00
4	Site General Conditions - 20 months	\$200,000.00	-	-	-	-	0%	200,000.00
5	Submittals	\$75,000.00	-	5,000.00	-	5,000.00	7%	70,000.00
6	AsBuilts	\$25,000.00	-	-	-	-	0%	25,000.00
7	O&M Manuals	\$25,000.00	-	-	-	-	0%	25,000.00
8	Site Wide Commissioning - inc. Operational Demonstration	\$50,000.00	-	-	-	-	0%	50,000.00
9	Tunnel Locating - Probing	\$50,000.00	-	-	-	-	0%	50,000.00
10	Survey/Layout	\$25,000.00	-	-	-	-	0%	25,000.00
11	Precon Photos	\$20,000.00	-	-	-	-	0%	20,000.00
12	Traffic Control	\$50,000.00	-	20,000.00	-	20,000.00	40%	30,000.00
13	SESC	\$20,000.00	-	-	-	-	0%	20,000.00
Procurement - Materials Only								
14	Precast Concrete - Multiple Sites	\$80,000.00	-	-	-	-	0%	80,000.00
15	Reinforcing Steel - Beaconsfield	\$190,000.00	-	-	-	-	0%	190,000.00
16	TERS Steel (Raw Materials) - Beaconsfield	\$538,000.00	-	-	-	-	0%	538,000.00
17	ISG - Inflatable Sewer Gate System - Post Submittal Approval -	\$100,000.00	-	-	-	-	0%	100,000.00
18	ISG - Controls and Equip (Blowers, Valves, CP) - Beaconsfield	\$350,000.00	-	-	-	-	0%	350,000.00
19	ISG - Inflatable Sewer Gate System - Bladder - Beaconsfield	\$400,000.00	-	-	-	-	0%	400,000.00
20	DIP - Multiple Sites	\$250,000.00	-	-	-	-	0%	250,000.00
21	FRP, PVC, HDPE - Beaconsfield	\$65,000.00	-	-	-	-	0%	65,000.00
22	Stainless Steel Pipe- Beaconsfield	\$55,000.00	-	-	-	-	0%	55,000.00
23	Carbon Based Odor Control - Multiple Sites	\$105,000.00	-	-	-	-	0%	105,000.00
24	Kelly Lightpost Vents - SpringCity - Kelly Site	\$70,000.00	-	-	-	-	0%	70,000.00
25	Sluice Gates - Hydrodate - Beaconsfield	\$255,000.00	-	-	-	-	0%	255,000.00
26	Misc Metals (Ladders, Grating, Etc) - Beaconsfield	\$45,000.00	-	-	-	-	0%	45,000.00
27	Tunnel Ribbing - Beaconsfield	\$35,000.00	-	-	-	-	0%	35,000.00
28	Lagging - Beaconsfield	\$75,000.00	-	-	-	-	0%	75,000.00
Small Sites								
29	Greatermack Site - COMPLETE	\$45,000.00	-	-	-	-	0%	45,000.00
30	Edgewood Site - COMPLETE	\$40,000.00	-	-	-	-	0%	40,000.00
31	O'Connor Site - COMPLETE	\$10,000.00	-	-	-	-	0%	10,000.00
Kelly Site								
32	Kelly - Clear Site & Traffic Control	\$5,000.00	-	-	-	-	0%	5,000.00

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2021-0006
Engineer:	Tetra Tetra	Engineer's Project No.:	200-16347-19001
Contractor:	Weiss Construction	Contractor's Project No.:	2022-01
Project:	8-1/2 Mile Relief Drain DD - In System Storage		
Contract:	WWS-2021-006		

Application No.: 001 Application Period: From 01/30/22 to 04/22/22 Application Date: 04/26/22

A Item No.	B Description	C Scheduled Value (\$)	D E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
33	Kelly - SESC	\$5,000.00	-			-	0%	5,000.00
34	Kelly - Temp Protection (Temp Fence, Protect Shaft)	\$20,000.00	-			-	0%	20,000.00
35	Kelly - Shaft Egress and Setup	\$25,000.00	-			-	0%	25,000.00
36	Kelly - Hand Excavate to Top of Pipe	\$45,000.00	-			-	0%	45,000.00
37	Kelly- Concrete Collar	\$20,000.00	-			-	0%	20,000.00
38	Kelly- Stack Precast Risers	\$35,000.00	-			-	0%	35,000.00
39	Kelly - Odor Control - Set Vault, Interior Piping	\$45,000.00	-			-	0%	45,000.00
40	Kelly - Vent Site - DIP	\$50,200.00	-			-	0%	50,200.00
41	Kelly - Site Restoration	\$10,000.00	-			-	0%	10,000.00
	Beaconsfield		-			-		-
42	Tunnel Ribbing Installation	\$25,000.00	-			-	0%	25,000.00
43	Sawcut Pavement	\$8,000.00	-			-	0%	8,000.00
44	Excavation to TERS 591	\$70,000.00	-			-	0%	70,000.00
45	TERS 591 Install	\$50,000.00	-			-	0%	50,000.00
46	Excavation to TERS 581.5	\$245,000.00	-			-	0%	245,000.00
47	TERS 581 Install	\$60,000.00	-			-	0%	60,000.00
48	Excavation to 573 - Top of Pipe	\$190,000.00	-			-	0%	190,000.00
49	TERS 573 Install	\$60,000.00	-			-	0%	60,000.00
50	Excavation to Mudmat Elevation	\$200,000.00	-			-	0%	200,000.00
51	Undermine Tunnel	\$200,000.00	-			-	0%	200,000.00
52	Concrete - MudMat	\$45,000.00	-			-	0%	45,000.00
53	Concrete - Base Slab	\$135,000.00	-			-	0%	135,000.00
54	Concrete - Walls to 577	\$320,000.00	-			-	0%	320,000.00
55	Concrete - Deck at 577	\$120,000.00	-			-	0%	120,000.00
56	Concrete - Walls to 587	\$160,000.00	-			-	0%	160,000.00
57	Concrete - Deck at 587	\$110,000.00	-			-	0%	110,000.00
58	Concrete - Bypass Culvert	\$75,000.00	-			-	0%	75,000.00
59	Backfill	\$160,000.00	-			-	0%	160,000.00
60	Sawcut Entry to Sewer	\$95,000.00	-			-	0%	95,000.00
61	Bypass - Temp Support	\$55,000.00	-			-	0%	55,000.00
62	Concrete Bench and Prep	\$45,000.00	-			-	0%	45,000.00
63	Concrete Fillets	\$15,000.00	-			-	0%	15,000.00
64	Site Utilities inc. 24" Vent	\$160,000.00	-			-	0%	160,000.00
65	New Gas Service (excluding utility fees)	\$20,000.00	-			-	0%	20,000.00
66	New Water Service (excluding tap)	\$20,000.00	-			-	0%	20,000.00
67	Inflate Deflate - Site DIP	\$25,000.00	-			-	0%	25,000.00
68	A,V,PS, IF/DF - Site HDPE	\$25,000.00	-			-	0%	25,000.00

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2021-0006
Engineer:	Tetra Tetra	Engineer's Project No.:	200-16347-19001
Contractor:	Weiss Construction	Contractor's Project No.:	2022-01
Project:	8-1/2 Mile Relief Drain DD - In System Storage		
Contract:	WWS-2021-006		

Application No.: 001 Application Period: From 01/30/22 to 04/22/22 Application Date: 04/26/22

A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
69	Hydr. Line Conduits/Raceway - Site	\$20,000.00	-			-	0%	20,000.00
70	Chipping/Demo at Tunnel for Piping Install	\$25,000.00	-			-	0%	25,000.00
71	A,V,PS - Stainless Steel at Structure	\$35,000.00	-			-	0%	35,000.00
72	Ladders, Grating, Stop Log Channel	\$45,000.00	-			-	0%	45,000.00
73	Control Building Underground Utilities	\$25,000.00	-			-	0%	25,000.00
74	Control Building Foundations	\$45,000.00	-			-	0%	45,000.00
75	Control Building SOG	\$30,000.00	-			-	0%	30,000.00
76	Control Building Trusses, Framing, Sheathing	\$30,000.00	-			-	0%	30,000.00
77	Control Building Roofing, Gutter, Sheetmetal	\$35,000.00	-			-	0%	35,000.00
78	Control Building Doors, Misc.	\$20,000.00	-			-	0%	20,000.00
79	Control Building Equipment Pads	\$12,000.00	-			-	0%	12,000.00
80	A,V,PS, Inflate Deflate Stainless at Control Building	\$75,000.00	-			-	0%	75,000.00
81	ISG - In Tunnel Installation	\$155,000.00	-			-	0%	155,000.00
82	ISG - Factory Startup	\$75,000.00	-			-	0%	75,000.00
83	Sluice Gates Install	\$25,000.00	-			-	0%	25,000.00
84	Sluice Gates Factory Startup	\$10,000.00	-			-	0%	10,000.00
85	Carbon Based Odor Control - Pad, Set, Complete Piping	\$55,000.00	-			-	0%	55,000.00
86	Ductbank Excavation	\$35,000.00	-			-	0%	35,000.00
87	Beaconsfield Pavement & Sidewalk Replacement - Site	\$95,000.00	-			-	0%	95,000.00
88	Perm Fencing	\$15,000.00	-			-	0%	15,000.00
89	Site Pavers	\$40,000.00	-			-	0%	40,000.00
90	Restoration and Landscaping	\$25,000.00	-			-	0%	25,000.00
	Gaukler Site							
91	Gaukler - Clear Site & Traffic Control	\$5,000.00	-			-	0%	5,000.00
92	Gaukler - SESC	\$5,000.00	-			-	0%	5,000.00
93	Gaukler - Temp Protection (Temp Fence, Protect Shaft)	\$20,000.00	-			-	0%	20,000.00
94	Gaukler - Shaft Egress and Setup	\$25,000.00	-			-	0%	25,000.00
95	Gaukler - Hand Excavate to Top of Pipe	\$45,000.00	-			-	0%	45,000.00
96	Gaukler - Concrete Collar	\$20,000.00	-			-	0%	20,000.00
97	Gaukler - Stack Precast Risers	\$35,000.00	-			-	0%	35,000.00
98	Gaukler - Odor Control - Pad, Set, Complete Piping	\$40,000.00	-			-	0%	40,000.00
99	Gaukler - Perm. Fence	\$8,000.00	-			-	0%	8,000.00
100	Gaukler - Pavers	\$35,000.00	-			-	0%	35,000.00
101	Gaukler - Site Restoration	\$10,000.00	-			-	0%	10,000.00
	Malvern Site							
102	Malvern - Traffic Control & Fencing	\$10,000.00	-			-	0%	10,000.00
103	Malvern - Concrete Removal	\$20,000.00	-			-	0%	20,000.00

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2021-0006
Engineer:	Tetra Tetra	Engineer's Project No.:	200-16347-19001
Contractor:	Weiss Construction	Contractor's Project No.:	2022-01
Project:	8-1/2 Mile Relief Drain DD - In System Storage		
Contract:	WWS-2021-006		

Application No.:	001	Application Period:	From	01/30/22	to	04/22/22	Application Date:	04/26/22	
A	B	C	D		E	F	G	H	I
Item No.	Description	Scheduled Value (\$)	Work Completed		Materials Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to Date (D + E + F) (\$)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)	
			(D + E) From Previous Application (\$)	This Period (\$)					
104	Malvern - Excavate & Set Vault	\$25,000.00	-	-		-	0%	25,000.00	
105	Malvern - Site Work - DIP	\$25,000.00	-	-		-	0%	25,000.00	
106	Malvern - DIP - Inside Vault	\$35,000.00	-	-		-	0%	35,000.00	
107	Malvern - Galv. Vent w Rope	\$20,000.00	-	-		-	0%	20,000.00	
108	Malvern - Concrete Replacement	\$45,000.00	-	-		-	0%	45,000.00	
109	Malvern - Site Restoration	\$5,000.00	-	-		-	0%	5,000.00	
	Rohrscheib Sons Caissons								
110	RSC - Kelly Mobe	\$15,000.00	-	-		-	0%	15,000.00	
111	RSC - Kelly Casing	\$20,500.00	-	-	16,815.00	16,815.00	82%	3,685.00	
112	RSC - Kelly Shaft	\$11,500.00	-	-		-	0%	11,500.00	
113	RSC - Gaukler Mobe	\$15,000.00	-	-		-	0%	15,000.00	
114	RSC - Gaukler Casing	\$29,000.00	-	-	23,895.00	23,895.00	82%	5,105.00	
115	RSC - Gaukler Shaft	\$15,000.00	-	-		-	0%	15,000.00	
116	RSC - Beaconsfield Soldiers Mobe	\$25,000.00	-	-		-	0%	25,000.00	
117	RSC - Beaconsfield Soldiers	\$187,000.00	-	-		-	0%	187,000.00	
118	RSC - Beaconsfield Control Building Cages	\$12,500.00	-	-		-	0%	12,500.00	
119	RSC - Beaconsfield Control Building Caisson Foundations	\$26,500.00	-	-		-	0%	26,500.00	
	Misc Subs								
120	Mason - Control Building	\$60,000.00	-	-		-	0%	60,000.00	
121	Paint - Signature	\$16,600.00	-	-		-	0%	16,600.00	
122	HVAC	\$55,000.00	-	-		-	0%	55,000.00	
	Rotor Electric								
124	Rotor - BF- Mobe	\$14,500.00	-	-		-	0%	14,500.00	
125	Pole to Service & 10-CP-01	\$20,000.00	-	-		-	0%	20,000.00	
126	Distribution Equipment	\$50,000.00	-	-		-	0%	50,000.00	
127	Generator	\$70,000.00	-	-		-	0%	70,000.00	
128	ATS to 10-CP-01	\$12,000.00	-	-		-	0%	12,000.00	
129	Feeder to Hydraulic Power Pack	\$2,300.00	-	-		-	0%	2,300.00	
130	Hydraulic CP to 10-CP-01	\$18,000.00	-	-		-	0%	18,000.00	
131	Feeder to Inflatable Dam CP	\$16,000.00	-	-		-	0%	16,000.00	
132	Blowers and Vacuum Pump	\$19,000.00	-	-		-	0%	19,000.00	
133	Gate Structure	\$68,000.00	-	-		-	0%	68,000.00	
134	Rain Gauge	\$19,000.00	-	-		-	0%	19,000.00	
135	AC-1	\$15,000.00	-	-		-	0%	15,000.00	
136	Pressure Switch to AC-1	\$15,000.00	-	-		-	0%	15,000.00	
137	Unit Heater UH-1	\$16,000.00	-	-		-	0%	16,000.00	
138	SF-1, EF-1, Recepts.	\$20,000.00	-	-		-	0%	20,000.00	

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

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Engineer:	Tetra Tetra	Engineer's Project No.:	200-16347-19001
Contractor:	Weiss Construction	Contractor's Project No.:	2022-01
Project:	8-1/2 Mile Relief Drain DD - In System Storage		
Contract:	WWS-2021-006		

Application No.:	001	Application Period:	From	01/30/22	to	04/22/22	Application Date:	04/26/22
A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
139	Lighting	\$25,000.00				-	0%	25,000.00
140	Door Limit Switches to 10-CP-01	\$4,000.00				-	0%	4,000.00
141	10-CP-01 to Security Panel	\$13,000.00				-	0%	13,000.00
142	LP to Security Panel	\$12,000.00				-	0%	12,000.00
143	Eastlawn/Rosedale	\$6,600.00				-	0%	6,600.00
144	Malvern	\$4,000.00				-	0%	4,000.00
	Unit Price Work							-
145	Unit Price Repair Type A - 50 lineal ft base bid	\$10,000.00				-	0%	10,000.00
146	Unit Price Repair Type B - 150 square ft base bid	\$15,000.00				-	0%	15,000.00
147	Unit Price Repair Type C - 100 square ft base bid	\$10,000.00				-	0%	10,000.00
	Owner Allowances							-
148	Electric Service Allowance	\$100,000.00	-			-	0%	100,000.00
149	Flow Metering Allowance	\$150,000.00	-			-	0%	150,000.00
150	Gas Service Allowance	\$10,000.00	-			-	0%	10,000.00
151	Electric Integration Allowance	\$20,000.00				-	0%	20,000.00
152	Permit Allowance	\$15,000.00		6,875.00		6,875.00	46%	8,125.00
153	Software - SCADA Allowance	\$60,000.00				-	0%	60,000.00
154	Water Services Allowance	\$10,000.00				-	0%	10,000.00
								-
	Original Contract Totals	\$9,673,200.00	\$ -	\$ 76,875.00	\$ 40,710.00	\$ 117,585.00	1%	\$ 9,555,615.00

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2021-0006
Engineer:	Tetra Tetra	Engineer's Project No.:	200-16347-19001
Contractor:	Weiss Construction	Contractor's Project No.:	2022-01
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Application No.: 001 Application Period: From 01/30/22 to 04/22/22 Application Date: 04/26/22

A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
Change Orders								
001						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
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						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
						-		-
	Change Order Totals	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Original Contract and Change Orders								
	Project Totals	\$ 9,673,200.00	\$ -	\$ 76,875.00	\$ 40,710.00	\$ 117,585.00	1%	\$ 9,555,615.00

Stored Materials Summary

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2021-0006
Engineer:	Tetra Tetra	Engineer's Project No.:	200-16347-19001
Contractor:	Weiss Construction	Contractor's Project No.:	2022-01
Project:	8-1/2 Mile Relief Drain DD - In System Storage		
Contract:	WWS-2021-006		

Application No.: 001 Application Period: From 01/30/22 to 04/22/22 Application Date: 01/30/22

A Item No. (Lump Sum Tab) or Bid Item No. (Unit Price Tab)	B Supplier Invoice No.	C Submittal No. (with Specification Section No.)	D Description of Materials or Equipment Stored	E Storage Location	F Application No. When Materials Placed in Storage	Materials Stored			Incorporated in Work			M Materials Remaining in Storage (I-L) (\$)	
						G Previous Amount Stored (\$)	H Amount Stored this Period (\$)	I Amount Stored to Date (G+H) (\$)	J Amount Previously Incorporated in the Work (\$)	K Amount Incorporated in the Work this Period (\$)	L Total Amount Incorporated in the Work (J+K) (\$)		
112	41765	31 66 16 - 03	Permanent steel casing - Kelly	RSC Yard (New Hudson MI)	1		16,815.00	16,815.00			-	16,815.00	
114	41765	31 66 16 - 03	Permanent steel casing - Gaukler	RSC Yard (New Hudson MI)	1		23,895.00	23,895.00			-	23,895.00	
											-	-	
											-	-	
											-	-	
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											-	-	
Totals						\$	-	\$ 40,710.00	\$ 40,710.00	\$ -	\$ -	\$ -	\$ 40,710.00

CONTRACTOR'S DECLARATION

(To be attached to the Contractor's periodic Request for Payment)

Project Name: In System Storage

Contract No.: WWS-2021-006

Contract Date: 1/6/2022

Contractor: Weiss Construction Co. LLC

Owner: 8 1/2 Mile Relief Drain Drainage District

Certification Period (From the Date of the Contract to the Date of this Declaration) _____

1/6/2022 through 4/28/2022

I hereby certify that I have not, during the above noted certification period, performed any work, furnished any material, sustained any loss, damage or delay for any reason, including soil conditions encountered or created, or otherwise done anything for which I shall ask, demand, sue for, or claim compensation from the Owner or its agents, in addition to the regular items set forth in the above noted Contract (and executed Change Orders thereto) executed between the Contractor and the Owner, except as the Contractor hereby claim for additional compensation and/or extension of time as described in previously submitted claim letters to the Owner dated:

Attached Summary, Dated 4/28/2022

(Contractor to check this box if no claim letters are submitted to date)

CONTRACTOR

By: 
(Authorized Signature)

Name: Zachary Zechmeister
(Print Name)

Title: Project Manager

Date: 4/28/2022

END OF SECTION 00 61 13.1



Weiss Construction Co. LLC
8.5 Mile Relief Drain Drainage District In-System Storage
Change Event Log

Date of Log 4/28/2022

Event Number	Date Initiated	Description	ROM Estimate	Entity	Sub Quote Name	Sub Costs	Total Cost	Date Firm Quote	Status (Accepted, Pending, Rejected, Etc)	CO/CCD Number	Comments/Notes
1	2/22/2022	DTE Changes to facilitate construction, including clearance to OH electrical		DTE							Owner Allowance
1		-Awaiting DTE final design (multiple revisions) and any easement issues		Rotor					Pending DTE design and cost		
1		Timeline is not established and letter of potential delay dated 4/25/2022		Weiss							
2	3/28/2022	Malvern - Gaukler - SCS Bldg Dept Changes - PR-A		Weiss							
2		Changes to underground and visible portion of work. PR-A issued 4.21.2022		TBD					Pending quotation by Weiss		
2											
3	4/7/2022	Floecksuhle Escalation		Weiss							
3		-Letter sent 4/13/2022, Tetra Tech has rejected proposed extra cost 4/18/2022		Floecksuhle					Extra cost proposal rejected		
3											

PARTIAL WAIVER OF LIEN

(To be submitted by the Contractor for all Sub-Contractors and Suppliers with the Contractor's periodic Request for Progress Payment)

To All Whom It May Concern:

WHEREAS, the undersigned has been engaged by (A) 8 1/2 Mile Relief Drain Drainage District to furnish labor and materials for

(B) CAISSON FOUNDATIONS

work, under a contract (C) WC22-01-SC-01

for the improvement at the project described as (D) 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT IN-SYSTEM STORAGE DEVICES

in the CITY OF EASTPOINT (City, Township, Village) of County of Macomb, State of Michigan, of which 8 1/2 Mile Relief Drain Drainage District is the Owner.

NOW, THEREFORE, this 28th day of APRIL, 2022, for and in consideration of the sum of (E) \$40,710.00 Dollars paid simultaneously herewith, the receipt whereof is hereby acknowledged by the undersigned, the undersigned does hereby waive and release to the extent only of the aforesaid amount, any lien rights to, or claim of lien with respect to and on said above-described project, and the improvements thereon, and on the monies or other considerations due or to become due from the owner, by virtue of said contract, on account of labor, services, materials, fixtures, apparatus or machinery furnished by the undersigned to or for the above-described project, but only to the extent of the payment aforesaid.

(Affix corporate seal here)

(F) Rohrscheib Bons Caissons Inc (SEAL)
(Name of the sole ownership, corporation or partnership)

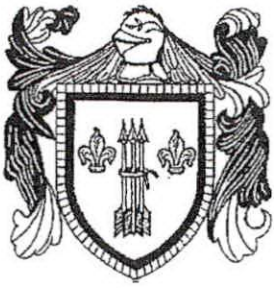
Jason Egan (SEAL)
(Signature)

TITLE: Jason Egan / Chief Financial Officer

INSTRUCTIONS FOR PARTIAL WAIVER

- (A) Name person or firm with whom you agreed to furnish either labor, or services, or materials, or both.
- (B) Fill in nature and extent of work; strike the word labor or the word materials if not in your contract.
- (C) If you have more than one contract on the same premises, describe the contract by number if available, date and extent of work.
- (D) Furnish an accurate enough description of the improvement, and location of the project so that it can be distinguished from any other Contract.
- (E) Amount shown should be the amount actually received on that date.
- (F) If waiver is for the corporation, corporate name should be used, corporate seal affixed and title of officer signing waiver should be set forth; if waiver is for a partnership, the partnership name should be used, partner should sign and designate himself as partner.

END OF SECTION 00 62 90



Victor Pipe & Steel, Inc.

P.O. Box 149
Winfield, MO 63389

Phone: 636-668-6315

Fax: 636-668-6051

Invoice Number

41765

Invoice Date

Apr 22, 2022

Sold To:

Rohrscheib Sons Caissons, Inc.
56085 Grand River
New Hudson, MI 48165

Ship to

Rohrscheib & Sons Caissons
56085 Grand River
New Hudson, MI 48165

Sales Rep ID	Customer PO	Payment Terms	Due Date
FOLWARCZ	22209	Net 30 Days	5/22/22

Quantity	Item	Description	Unit Price	Extension
35,682.00	VPW .750 MIX	96" ID (97.5" OD) x .750" New R&W Steel Pipe SQxSQ Ends w/ J Slots & Picking Eyes - 1pc @ 19' and 1pc @ 27' (46' @ \$885.00/ft)	1.14	40,710.00
Kelly	19 ft @ \$	885.00 / ft = \$16,815.00		
Gaukler	27 ft @ \$	885.00 / ft = \$23,895.00		

1. Buyer hereby agrees that, notwithstanding any prior objection to additional or different terms, no terms other than the terms on this form shall or have become part of this invoice, unless Seller specifically agrees to such other terms in a separate writ signed by Seller. These terms and conditions are intended to be a final expression of the agreement between Buyer and Seller. These terms and conditions of Buyer's order form or other instrument which are in addition to or inconsistent with the terms and conditions of hereof are objected to and shall not be binding on Seller and shall not apply to this sale. Any acceptance of Buyer's purchase conditioned on Buyer's assent to all terms herein set forth.

Subtotal	40,710.00
Sales Tax	
TOTAL	40,710.00

2. Buyer hereby agrees that Seller will not be liable to Buyer for any special, indirect, incidental or consequential damages. Seller is not an insurer, will Seller's liability for damages exceed the purchase price of the goods or services purchased.

3. This product is sold as is with all defects and there are absolutely no guarantees either expressed or implied and all warranties of merchantability and fitness for a particular purpose are disclaimed.

4. Unless Seller's Credit Department shall otherwise provide, terms of payment are net thirty (30) days from the date of the discount being allowed for transportation charges. Interest will accrue at the lesser of 18% per annum or the highest rate all invoices unpaid after the due date. The Buyer agrees to pay all costs and expenses of collection, including attorney's fees at any.

THANK YOU!

City of Eastpointe

23200 Gratiot Avenue
Eastpointe, MI 48021
(586) 445 5010
(586) 445 5191

Invoice For Permit: PB22-0154
Print Date: 04/20/2022


Pay by Account In Full



Pay by Account In Full

WEISS CONSTRUCTION CO. LLC
41001 GRAND RIVER
NOVI MI 48375

\$ 4,935.00

Invoice No	Invoice Date	Permit Number	Address	Amount Due
 00146721	04/20/22	PB22-0154	22125 BEACONSFIELD B	\$ 4,935.00
Fee Details:	Quantity	Description	Amount Cost	Balance
	1.000	Application Fee (non-refundable)	\$50.00	\$ 50.00
	1176900.000	Value, \$500,001 and above	\$4885.00	\$ 4,885.00
Total Amount Due				\$ 4,935.00

City of Eastpointe

23200 Gratiot Avenue
Eastpointe, MI 48021
(586) 445 5010
(586) 445 5191

Invoice For Permit: PP22-056

Print Date: 04/20/2022


Pay by Account In Full



Pay by Account In Full

WEISS CONSTRUCTION CO. LLC
41001 GRAND RIVER
NOVI MI 48375

\$ 195.50

Invoice No	Invoice Date	Permit Number	Address	Amount Due
 00146722	04/20/22	PP22-056	22125 BEACONSFIELD B	\$ 195.50
Fee Details:	Quantity	Description	Amount Cost	Balance
	1.000	Application Fee	\$75.00	\$ 75.00
	1.000	WS, Less than 2"	\$10.00	\$ 10.00
	1.000	Connection of Bldg. Drain-Bldg. Sewers	\$10.00	\$ 10.00
	1.000	Inspection, Final	\$75.00	\$ 75.00
	170.000	Administrative Fee	\$25.50	\$ 25.50
Total Amount Due				\$ 195.50

SOIL EROSION AND SEDIMENT CONTROL PERMIT

(Part 91 of Act 451 of 1994. as amended)

Landowner/Permittee: MACOMB COUNTY PUBLIC WORKS
STEVE ROZYCKI
Address: 21777 DUNHAM ROAD, CLINTON TWP., MI 48036
Telephone: 5866960235
Secondary Number:
Alternative Number:
Email: STEVE.ROZYCKI@MACOMBGOV.ORG
Permit No: PER22-00432
Issued: 04/08/2022
Extension Date: No Extension Date
Expires: 4/8/2024
Approximate Start Date: 05/01/2022
Approximate Completion Date: 06/01/2024

On-Site Responsible Party: WEISS CONSTRUCTION COMPANY LLC
Address: 41001 GRAND RIVER, NOVI, MI 48375
Alternative Number: 5865693199
Email: ZZECHMEISTER@WEISS-CONSTRUCTION.COM

Parcel ID Number: 14-33-151-012
Section: 33 Located in Part of: NW 1/4 Town: 1N Range: 13E
Plat: Assessors Plat No. 31 Lot: 518
Soil Type: BEACONSFIELD SITE SOILS Gross Acreage Distributed: 0.6
Nearest Water Course: 8 1/2 Mile Relief Drain Distance: 0 Feet
Street Address: 21913 BEACONSFIELD, AVE EASTPOINTE, MI 48021
Permitted Activity: OTHER, Utility work on Eight and one-half Mile Drain. Work includes installation of in-system storage device at Beaconsfield and Oak Ave and installation of vent at Kelly Ave.

Fees:

PLAN REVIEW	\$ 160.00
PERMIT FEE	\$ 65.00
NUMBER OF INSPECTIONS	\$ 1,320.00
ADMINISTRATIVE FEE	\$ 199.50
Total	\$ 1,744.50

This permit must be posted at the project site

FEES NOT REFUNDABLE

Macomb County permit requirements exceed the state statutory requirements

CANDICE S. MILLER

County Soil Erosion & Sediment Control Agent
Macomb County, Michigan

By: _____

Print Date: April 08, 2022

Macomb County Public Works Office ~ Soil Erosion Control Division ~ Phone (586) 469-5327 ~ Fax (586) 307-8264

Mailing: 21777 Dunham Clinton TWP MI 48036

Permit Conditions:

1. The permitted activity shall be completed in accordance with the approved plans and specifications, and the general conditions listed below.
2. This permit does not obviate the need for other local, state and federal permits.
3. Permittee shall notify the permitting agency within one week after completing the permitted activity or one week prior to the permit expiration date, whichever comes first.
4. All permits must be kept open until the site is permanently stabilized.
5. If the permit expires prior to permanent stabilization, then the permit must be renewed until permanent stabilization is achieved. ("Stabilized" means the establishment of vegetation or the proper placement, grading, or covering of soil to ensure its resistance to soil erosion, sliding, or other earth movement.)
6. Permits must be transferred to the new landowner if the property is sold prior to the project being stabilized.

General Conditions:

In accordance with Rule 1709 promulgated under the authority of Part 91, Soil Erosion and Sediment Control, of the Natural Resources and Environmental Protection Act, 1994 PA451, as amended, and in addition to the information on the attached plan(s) and special conditions, the following general conditions apply to the earth change authorized by this permit:

1. Design, construct and complete the earth change in a manner that limits the exposed area of disturbed land for the shortest period of time.
2. Remove sediment caused by accelerated soil erosion from runoff water before it leaves the site of the earth change.
3. Temporary or permanent control measures shall be designed and installed to convey water around, through or from the earth change at a non-erosive velocity.
4. Install temporary soil erosion and sedimentation control measures before or upon commencement of the earth change activity and maintain the measures on a daily basis. Remove temporary soil erosion and sediment control measures after the permanent soil erosion measures are in place and the area is stabilized. Complete permanent soil erosion control measures for the earth change within five calendar days after final grading or upon the completion of the final earth change, then maintain temporary soil erosion and sediment control measures until permanent soil erosion control measures are in place and the area is stabilized.

Specific Conditions:

Print Date: April 08, 2022

Macomb County Public Works Office ~ Soil Erosion Control Division ~ Phone (586) 469-5327 ~ Fax (586) 307-8264

Mailing: 21777 Dunham Clinton TWP MI 48036



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/27/22
4. SET ID		5. POST DATE
VP220429KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Weiss Construction	V081320	01	WC22-04-002	4/26/2022	\$ 32,887.50

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80126	CC0034	80126	WO21018	8 1/2 Mile	9 Mile Pump Station Pre-Const.	\$ 32,887.50	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 32,887.50 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8/1/2 Mile</u> 31. Project Balance: <u>\$283,092.50</u> 32. Staff Date: <u>5/3/2022</u> 33. Board Date: <u>5/9/2022</u> 34. Select For Pay Date: _____
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**MACOMB COUNTY PUBLIC WORKS OFFICE
CONSULTANT INVOICE COVER SHEET**

WORK ORDER NUMBER WO21018

PROJECT NUMBER WWS-2022-002

PROJECT NAME 9 Mile Pump Station - CMaR Pre-construction Services

DRAINAGE DISTRICT 8-1/2 Mile Relief Drain Drainage District

CONSULTANT NAME Weiss Construction Co, LLC

INVOICE DATE 4/26/2022

INVOICE START DATE 3/26/2022

INVOICE END DATE 4/25/2022

ORIGINAL CONTRACT AMOUNT	\$	360,000.00
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CHANGE ORDER TOTAL	\$	-
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Change Order No. 1	Date Executed:		
Change Order No. 2	Date Executed:		
Change Order No. 3	Date Executed:		
Change Order No. 4	Date Executed:		

TOTAL REVISED CONTRACT AMOUNT	\$	360,000.00
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(includes all approved change orders only)

TOTAL AMOUNT PREVIOUSLY INVOICED	\$	44,020.00
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TOTAL AMOUNT DUE THIS INVOICE	\$	32,887.50
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TOTAL BUDGET REMAINING	\$	283,092.50
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(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)

Task 1A - Design Coordination Services

Rate Labor

<u>Class / Employee</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Project Executive				
Benjamin Rosenburg, Rotor	3/29/2022	2.00	\$200.0000	400.00
	Working with Subs on getting pricing			
	4/20/2022	2.00	\$200.0000	400.00
	Working on pricing for temporary			
Total Project Executive				800.00
Lead Estimator				
Joe Mulville, Weiss	4/6/2022	4.00	\$160.0000	640.00
	Schedule analysis			
	4/8/2022	8.00	\$160.0000	1,280.00
	Schedule Workshop and review with team			
	4/11/2022	2.00	\$160.0000	320.00
	CPM review			
	4/12/2022	2.00	\$160.0000	320.00
	CPM Review			
	4/21/2022	2.00	\$160.0000	320.00
	Work Package Contact list review			
	4/22/2022	4.00	\$160.0000	640.00
	Bid Package and Layown Plan Review with Team			
	4/25/2022	4.00	\$160.0000	640.00
	Earthwork package finalize scope and vendor contacts			
Total Lead Estimator				4,160.00
Estimator				
Jason Axelson, Weiss	4/1/2022	3.00	\$95.0000	285.00
	Reviewed Schedule, Wrote Work Scopes			
	4/4/2022	4.00	\$95.0000	380.00
	Schedule Review			
	4/5/2022	2.00	\$95.0000	190.00
	Schedule Review			
	4/6/2022	2.00	\$95.0000	190.00
	Schedule Review			
	4/8/2022	2.00	\$95.0000	190.00
	Schedule Review			
	4/11/2022	2.00	\$95.0000	190.00
	Schedule Review			
Total Estimator				1,425.00
Project Manager				
Kevin Clarey, Weiss	3/30/2022	4.00	\$115.0000	460.00
	Schedule Development and Review			
	4/4/2022	4.00	\$115.0000	460.00
	Schedule Development and Review			
	4/6/2022	4.00	\$115.0000	460.00
	Schedule Development and Review			
	4/11/2023	3.00	\$115.0000	345.00

	Schedule Development and Review			
	4/13/2022	3.00	\$115.0000	345.00
	Schedule Development and Review			
	4/18/2022	2.00	\$115.0000	230.00
	Work Packages Review			
	4/22/2022	2.00	\$115.0000	230.00
	Work Packages Review			
	4/25/2022	2.00	\$115.0000	230.00
	Work Packages Review			
Charles Groover, Weiss	3/28/2022	8.00	\$115.0000	920.00
	Schedule Development, Finalized March Invoice, Worked on comments spreadsheet for Tetra Tech			
	3/29/2022	8.00	\$115.0000	920.00
	Schedule Development			
	3/30/2022	6.00	\$115.0000	690.00
	Schedule Development			
	3/31/2022	4.00	\$115.0000	460.00
	Schedule Development			
	4/1/2022	4.00	\$115.0000	460.00
	Schedule Revision			
	4/4/2022	8.00	\$115.0000	920.00
	60% spec review comments, schedule review			
	4/5/2022	3.00	\$115.0000	345.00
	Schedule, 60% specs			
	4/6/2022	5.00	\$115.0000	575.00
	Schedule revision			
	4/7/2022	2.00	\$115.0000	230.00
	Schedule revision			
	4/8/2022	5.00	\$115.0000	575.00
	Worked on schedule revisions, 60% spec review comments			
	4/11/2022	8.00	\$115.0000	920.00
	Schedule Revision			
	4/12/2022	7.00	\$115.0000	805.00
	Schedule Revision			
	4/13/2022	6.00	\$115.0000	690.00
	Progress Meeting, Distribute & print 65% specs, Update schedule			
	4/18/2022	3.00	\$115.0000	345.00
	DTE power relocation, Updated schedule w/ progress meeting input			
	4/19/2022	2.00	\$115.0000	230.00
	DTE power relocation			
	4/20/2022	2.00	\$115.0000	230.00
	DTE power relocation			
	4/21/2022	6.00	\$115.0000	690.00
	DTE power relocation, Invoicing			
	4/22/2022	2.00	\$115.0000	230.00
	Lay Down			
Scott McGlynn, Rotor	3/23/2022	2.00	\$200.0000	400.00
	Review of Spec (Note: This should have been included in last month's billing but was not)			
	3/31/2022	1.00	\$200.0000	200.00
	Working with Charles on Temp Power			
	4/4/2022	3.00	\$200.0000	600.00
	Reviewing Lighting, offering options for cost savings (remove basement)			
	4/7/2022	3.00	\$200.0000	600.00
	Schedule review, review of East Building DB and review of that			
	4/11/2022	1.00	\$200.0000	200.00
	Team meeting with Charles to review electrical schedule			

4/14/2022	8.00	\$115.0000	920.00
Work Package Development			
4/15/2022	8.00	\$115.0000	920.00
Work Package Development			
4/18/2022	5.00	\$115.0000	575.00
Work Package Development			
4/19/2022	6.00	\$115.0000	690.00
Work Package Development			
4/20/2022	6.00	\$115.0000	690.00
Work Package Development			
4/21/2022	2.00	\$115.0000	230.00
Work Package Development			
4/22/2022	4.00	\$115.0000	460.00
Bid Packages Rvw, Advertising Strategy Mtg			
4/25/2022	6.00	\$115.0000	690.00
Check out venues, Industry Awareness Meeting Advertisement			

Total Project Manager 6,325.00

Total Bill Task 1B - GMP Development and Negotiation 9,707.50

Total Project: WWS-2022-002 - Macomb Co 9 Mile Pump Station CMaR Pre-Construction Services 32,887.50



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	4/13/22
4. SET ID	5. POST DATE	
VP220414KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Weiss Construction	V081320	01	WC22-04-001	3/28/2022	\$ 44,020.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210166M	80126	CC0034	80126	WO21019	MIDDD	9 Mile Pump Station Pre-Const.	\$ 44,020.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 44,020.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
SRF 5865-01

25. Finance Officer:	BM/kk	30. Drain:	MIDDD
26. Chief Deputy:		31. Project Balance:	\$315,980.00
27. Engineers:		32. Staff Date:	4/19/2022
28. Managers:		33. Board Date:	5/9/2022
29. Coordinator:		34. Select For Pay Date:	

**MACOMB COUNTY PUBLIC WORKS OFFICE
CONSULTANT INVOICE COVER SHEET**

WORK ORDER NUMBER WO21018~~8~~

PROJECT NUMBER WWS-2022-002

PROJECT NAME 9 Mile Pump Station - CMAr Pre-construction Services

DRAINAGE DISTRICT 8-1/2 Mile Relief Drain Drainage District

CONSULTANT NAME Weiss Construction Co, LLC

INVOICE DATE 3/28/2022

INVOICE START DATE 2/24/2022

INVOICE END DATE 3/25/2022

ORIGINAL CONTRACT AMOUNT		\$ 360,000.00
CHANGE ORDER TOTAL		
		\$ -
Change Order No. 1	Date Executed:	
Change Order No. 2	Date Executed:	
Change Order No. 3	Date Executed:	
Change Order No. 4	Date Executed:	
TOTAL REVISED CONTRACT AMOUNT		\$ 360,000.00
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED		\$ -
TOTAL AMOUNT DUE THIS INVOICE		\$ 44,020.00
TOTAL BUDGET REMAINING		\$ 315,980.00
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		

Task 1A - Design Coordination Services

Rate Labor

<u>Class / Employee</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Project Executive				
Kevin Markhardt, Weiss	3/7/2022	3.00	\$205.0000	615.00
	Meeting at Chapaton			
Benjamin Rosenburg, Rotor	3/7/2022	3.00	\$200.0000	600.00
	Meeting at Chapaton			
	3/21/2022	2.00	\$200.0000	400.00
	Teams Meeting			
Total Project Executive				1,615.00
Lead Estimator				
Joe Mulville, Weiss	3/2/2022	6.00	\$160.0000	960.00
	Reviewed 60% documents			
	3/3/2022	6.00	\$160.0000	960.00
	Reviewed 60% documents			
	3/4/2022	6.00	\$160.0000	960.00
	CMAR Internal Kickoff, Constr Sequence review with Charles, Matt, & Kevin C			
	3/7/2022	7.00	\$160.0000	1,120.00
	CMAR Kickoff Meeting @ Chapaton PS			
	3/10/2022	4.00	\$160.0000	640.00
	60% Design Drawing comments and Potential VE Options			
	3/11/2022	8.00	\$160.0000	1,280.00
	60% Design Drawing comments and Potential VE Options			
	3/14/2022	8.00	\$160.0000	1,280.00
	Cost estimate revisions to 60%			
	3/15/2022	4.00	\$160.0000	640.00
	Internal Team meeting to review Estimate, Questions, and VE Options			
	3/18/2022	6.00	\$160.0000	960.00
	RTB & 9 Mile Conduit Inspection			
	3/21/2022	4.00	\$160.0000	640.00
	Virtual meeting with Eng & Owner including prep time			
	3/22/2022	4.00	\$160.0000	640.00
	TERS Issues			
	3/23/2022	8.00	\$160.0000	1,280.00
	TERS and Baffels evaluation and Scheduling Meeting with Kevin and Charles			
	3/24/2022	4.00	\$160.0000	640.00
	Baffle Wall & TERS Memos, Work Package meeting with Kevin and Jason			
	3/25/2022	4.00	\$160.0000	640.00
	Secant TERS review issues			
Total Lead Estimator				12,640.00
Senior Estimator				
Matt Kemper, Weiss	3/3/2022	3.00	\$105.0000	315.00
	60% doc review - reviewing changes from 30%			
	3/4/2022	4.00	\$105.0000	420.00
	CMAR Internal Kickoff			
	3/7/2022	6.00	\$105.0000	630.00
	Attend 60% Design Workshop at Chapaton Pump Station and office review			

	3/9/2022	6.00	\$105.0000	630.00
	60% doc review for comments			
	3/10/2022	3.00	\$105.0000	315.00
	60% doc review for VE changes			
	3/11/2022	7.00	\$105.0000	735.00
	60% document review and VE changes write-up			
	3/14/2022	8.00	\$105.0000	840.00
	Cost estimate revisions to 60%			
	3/15/2022	4.00	\$105.0000	420.00
	Internal team meeting to review Estimate, Questions and VE Options			
	3/18/2022	6.00	\$105.0000	630.00
	RTB & 9 Mile Conduit Inspection			
Total Senior Estimator				4,935.00
Estimator				
Jason Axelson, Weiss	3/14/2022	1.00	\$95.0000	95.00
	Revised Plumbing Budget			
	3/16/2022	2.00	\$95.0000	190.00
	Revised HVAC Budget			
	3/21/2022	1.00	\$95.0000	95.00
	Review Meeting			
Total Estimator				380.00
Project Manager				
Kevin Clarey, Weiss	3/4/2022	2.00	\$115.0000	230.00
	CMAR internal kickoff, Constr Sequence w Charles			
	3/7/2022	3.00	\$115.0000	345.00
	Attend 60% Design Workshop at Chapaton Pump Station			
	3/8/2022	1.00	\$115.0000	115.00
	CMAR Management Planning			
	3/14/2022	4.00	\$115.0000	460.00
	Assisted with 60% cost estimate take-offs, Internal project status meeting, Drafted Pre-con service contract for Rotor Electric.			
	3/16/2022	4.00	\$115.0000	460.00
	Updated 60% cost estimate. Reviewed and updated 60% review comments. Internal Bid Pack and Schedule meetings			
	3/21/2022	4.00	\$115.0000	460.00
	Team status meeting. Started development of lay down plan.			
	3/23/2022	4.00	\$115.0000	460.00
	Attended scheduling and bid pack meetings.			
Charles Groover, Weiss	2/28/2022	8.00	\$115.0000	920.00
	Rvw'd 60% drawings			
	3/1/2022	8.00	\$115.0000	920.00
	Cont'd rvw of 60% drwgs and 30% specs.			
	3/2/2022	8.00	\$115.0000	920.00
	Cont'd rvw of 60% drwgs. Rvwddraft WWMP SEMSD 2020 Rpt			
	3/3/2022	8.00	\$115.0000	920.00
	Cont'd rvw of 60% drwgs. Rvw draft WWMP SEMSD 2020 Rpt			
	3/4/2022	8.00	\$115.0000	920.00
	Analysis of constr phasing. Internal proj planning mtg			
	3/7/2022	8.00	\$115.0000	920.00
	Attended 60% Dsn Rvw Mtg, Chapaton PS, Prepared Mtg Summary, Cont'd rvw of 60% drwgs			
	3/8/2022	6.00	\$115.0000	690.00
	Sent out Mtg Summary, Requested site tour. Began written 60% rvw comments			

	3/9/2022	8.00	\$115.0000	920.00
	Cont'd written 60% rvw comments. Coordinated MCPWO upcoming site visit			
	3/10/2022	8.00	\$115.0000	920.00
	Cont'd written 60% rvw comments. Began TERS steel take-offs			
	3/11/2022	8.00	\$115.0000	920.00
	Completed TERS steel take-offs. Began Building Steel Take-Offs			
	3/14/2022	8.00	\$115.0000	920.00
	Assisted with 60% cost estimate take-offs. Internal proj status mtg. Drafted pre-con service contract for Rotor Electric			
	3/15/2022	8.00	\$115.0000	920.00
	Assisted with 60% cost estimate take-offs. Internal proj status mtg. Sent pre-con service contract for Rotor Electric			
	3/16/2022	8.00	\$115.0000	920.00
	Updated 60% cost estimate. Reviewed and updated 60% design review comments. Internal Bid Pack and Schedule meetings. Submitted 60% Design review comments to Design/Owner team.			
	3/17/2022	8.00	\$115.0000	920.00
	Reviewed and compared 30% and 60% design electrical documents. Submitted 60% design cost estimate to Design/Owner team.			
	3/18/2022	8.00	\$115.0000	920.00
	Site Inspection of RTB and 9 Mile Drain. Began reaching out to Tetra Tech and DTE on power line relocation			
	3/21/2022	8.00	\$115.0000	920.00
	Team status meeting. Started development of lay down plan. Spoke with DTE about power line process, visited site to collect info, submitted info to DTE for Method of Service Request. Submitted first draft lay down plan to Design/Owner team.			
	3/22/2022	8.00	\$115.0000	920.00
	Revised and distributed updated laydown plan (still need trailer/parking layout). Downloaded, distributed to Rotor, and printed 60% design specs. Began review of 60% design specs.			
	3/23/2022	8.00	\$115.0000	920.00
	Reviewed 60% specs against 30% TOC. Attended scheduling and bid pack meetings. Began developing sequence of construction.			
	3/24/2022	3.00	\$115.0000	345.00
	Continued developing construction schedule. Continued reviewing 60% specs.			
	3/25/2022	6.00	\$115.0000	690.00
	Contd working on schedule. Prepared invoice for March. Followed up with DTE about relocation of power lines. Attended project manager meeting.			
Scott McGlynn, Rotor	2/28/2022	4.00	\$200.0000	800.00
	Review of all of the drawings. Develop comments/questions			
	3/7/2022	3.00	\$200.0000	600.00
	Meeting at Chapaton			
	3/9/2022	0.50	\$200.0000	100.00
	Emails and trying to get revised Riser diagrams			
	3/11/2022	0.50	\$200.0000	100.00
	Emails regarding contracts and getting job setup.			
	3/15/2022	1.00	\$200.0000	200.00
	Compiling list of items we need from Owner/TT for 60% specs			
	3/18/2022	3.00	\$200.0000	600.00
	Review of OH Lines with Cgroover. Develop drawing for Cgroover. Discussion of how to do excavation with the OH Lines in the way. Get info for Cgroover to get in contact with DTE to start looking at relocation of utilities.			
	3/21/2022	2.00	\$200.0000	400.00
	Teams Meeting to reievw drawings			
	3/22/2022	4.00	\$200.0000	800.00
	Complete review of the 60% Spec. Provide comments to CGRoover of all the items we see as potential cost issues.			

Total Bill Task 1A - Design Coordination Services 43,065.00

Task 1B - GMP Development & Negotiation

Rate Labor

<i>Class / Employee</i>	<i>Date</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
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Estimator

Jason Axelson, Weiss	3/22/2022	2.00	\$95.0000	190.00
	Design Work Scopes			
	3/23/2022	2.00	\$95.0000	190.00
	Design Work Scopes/Works Scopes Meeting			

Total Estimator 380.00

Project Manager

Charles Groover, Weiss	3/24/2022	5.00	\$115.0000	575.00
	Began developing work packages.			

Total Project Manager 575.00

Total Bill Task 1B - GMP Development and Negotiation 955.00

Total Project: WWS-2022-002 - Macomb Co 9 Mile Pump Station CMaR Pre-Construction Services 44,020.00

Budget to Actual
8.5 Mile Relief
As of Apr 30, 2022 = 58%

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	30,000		3,146	26,854	10.5%
Other Revenue	4,000		2,807	1,193	70.2%
8.5 O&M/Charge Required Revenue	4,748,520		4,748,520	-	100.0%
PY Revenue-Fund Balance	3,840,000			3,840,000	0.0%
Use of SCADA Reserve	147,950		-	147,950	0.0%
<i>Total Revenue Accounts</i>	8,770,470	-	4,754,473	4,015,997	54.2%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	10,380		6,945	3,435	66.9%
<u>Engineering</u>					
As needed Engineering	75,000		8,925	66,075	11.9%
9 Mile PS-const Admin/Const Mgr at risk	2,537,390			2,537,390	0.0%
Cost Share Army corp Grant-Green Infrastructure Project	162,500			162,500	0.0%
9 Mile Pump Station Design-Use of Capital Reserve	147,950			147,950	0.0%
9 Mile Pump Station Design-Was Flushing	797,090		504,337	292,753	63.3%
9 Mile Bypass Structural Repairs-Construction/CA	730,590		98,938	631,652	13.5%
Chapaton Improvements-Lab Relocation ⁽¹⁾	-		21,254	(21,254)	100.0%
Canal Rehab(Using funds received from EGLE)	-		12,554	(12,554)	100.0%
Pumping and screening improvements ⁽²⁾	-		80,256	(80,256)	100.0%
In-System Storage-Construction & Const Admin ⁽³⁾	2,250,000		197,111	2,052,889	8.8%
New Equipment	28,590		20,821	7,769	72.8%
Office Supplies	500		137	363	27.4%
Operating Supplies	65,400		29,203	36,197	44.7%
Other Professional Svcs	36,000		5,741	30,259	15.9%
Personnel Services	1,032,200		267,060	765,140	25.9%
Repair & Maintenance	197,000		93,541	103,459	47.5%
Contribution to Reserve	288,240			288,240	0.0%
Scada System	138,040		14,337	123,703	10.4%
Utilities	267,600		180,327	87,273	67.4%
<i>Total Expense Accounts</i>	8,770,470	-	1,547,487	7,222,983	17.6%

	O&M Balance 9/30/2021	O&M	Total 4/30/2022
Cash - Operating	12,229,091	3,206,986	15,436,077
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		4,754,473	4,754,473
Expenditures		1,547,487	1,547,487
			0
Equity*	12,229,091		15,436,077

Detail of 2021 Equity*

In-System Storage Design/Const Admin/Const	2,242,472	Capital Reserve	1,199,905
9 Mile Pump Station Design	1,130,932	SCADA Reserve	129,870
9 Mile Bypass Struct Rprs-Const/CA	635,989	LSCWWI 04B Transfer	738,112
Disinfection system upgrade (Design and Construction)	14,255	Contribution from Macomb Cty	2,000,000
Chapaton Improvements-Lab/Office Space ⁽¹⁾	237,749	In System Contrib from SEMSD	1,000,000
As-Needed Engineering	61,595	MEDC Grant-Design ISS ⁽³⁾	373,355
Pave side road that goes to the basin deck	15,000	SRF Replacement Reserve	2,332,930
Chlorine storage tank #3 relining	7,500		
Firewall Hardware Design/Config	12,900		
Obsolete Wireless backhaul replacement links	16,120		
Fiber Optic Improvements	16,130		
SolarWinds - Network Management Software	9,670		
Pumping and screening improvements ⁽²⁾	54,608		