

Instructions to Participate in an Electronically Conducted Regular Meeting of the Charter Township of Union Board of Trustees

The Charter Township of Union Board of Trustees will conduct their regularly scheduled April 8, 2020 meeting electronically at 7:00 p.m., consistent with direction from the Governor and state and county health officials to slow the spread of the COVID-19 virus.

All interested persons may attend and participate. The public may participate in the meeting by computer and smart phone using the following link to the electronic meeting location: <https://us04web.zoom.us/j/344155413?pwd=ZkpENlhBRzNQdW1SZlI1Ync2Smx6Zz09>. To participate via telephone conference call, please call (253) 215-8782. Enter “344155413” and the “#” sign at the “Meeting ID” prompt, and then enter “616232” at the “Password” prompt. Lastly, re-enter the “#” sign again at the “Participant ID” prompt to join the meeting.

“Raise Your Hand” for Citizen Participation During the Public Comment Periods

Questions and comments will be received during the public comment sections of the meeting. For participants accessing via computer or smartphone to indicate a desire to address the Board of Trustees, please use the “Raise Your Hand” icon. **First, click on the “Participants” icon** at the bottom of your screen. **Next, click on the “Raise Your Hand” icon** near the bottom right corner of the screen.



Click “Lower Hand” to lower it if needed. If you are accessing via computer, you can also use the Alt+Y (Windows) or Option+Y (Apple) to raise or lower your hand. The host will be notified that you’ve raised your hand. The Mute/Unmute function will be controlled by the meeting moderator.

To rise your hand for telephone dial-in participants, press *9. The Supervisor will call on you by the last three digits of your phone number to invite any comment, at which time you will be unmuted by the meeting moderator.

Can I Use Bluetooth Headset? Yes, as long as the Bluetooth device is compatible with the computer or mobile device that you are using.

Do I have to have a webcam to join on Zoom? While you are not required to have a webcam to join a Zoom Meeting, you will not be able to transmit video of yourself. You will continue to be able to listen and speak during public comment, and view the webcam video of other participants.

Leaving the Meeting: Click the “Leave Meeting” link at the bottom of the screen at any time to leave the meeting.



BOARD OF TRUSTEES

Regular Meeting – Electronic Meeting. Instructions for access will be posted and available on website (uniontownshipmi.com) home page

April 8, 2020

7:00 p.m.

1. CALL MEETING TO ORDER
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL
4. APPROVAL OF AGENDA
5. PRESENTATIONS
6. PUBLIC HEARINGS
7. PUBLIC COMMENT: Restricted to three minutes regarding items on this agenda
Note: This is an opportunity for comments only, questions to the Board will not be answered at this time. For specific answers to questions, please call Township Hall (989-772-4600)
8. REPORTS/BOARD COMMENTS
 - A. Current List of Boards and Commissions – Appointments as needed
 - B. Monthly Report Township Manager – (Under Separate Cover)
 - C. Planning Commission and ZBA updates by Community and Economic Development Director
 - D. Board Member Reports
9. CONSENT AGENDA
 - A. Communications
 1. Recommendations from the Township Sidewalk and Pathways Prioritization Committee Letter
 2. Correspondence RE: Proposed Extraction Ordinance by email
 - B. Minutes – March 11, 2020 – Regular Meeting
 - C. Accounts Payable
 - D. Payroll
 - E. Meeting Pay
 - F. Fire Reports
 - G. (Smith) RFBA 2020 Sanitary Sewer Manhole Rehabilitation Bids
10. NEW BUSINESS
 - A. Discussion/Action: (Smith) Consideration to approve four (4) contracts with the Isabella County Road Commission (ICRC) for the rehabilitation of four (4) miles of gravel roads

within the Township in the amount of \$54,000 and authorize the Township Manager to sign said contracts.

- B. Discussion/Action: (Nanney) Second Reading and adoption of the proposed Extraction Ordinance
- C. Discussion/Action: (Stuhldreher) Consider amendments to item #2 of the Duties and Authority section of the Township Manager Employment Contract to clarify that authority for removal of township staff vest with the position of Township Manager in accordance with Township Manager job description and Governance Policy Manual
- D. Discussion/Action: (Board of Trustees) Board of Trustees annual review of Board Governance Policy No. 3.3 – Board Members’ Code of Conduct

11. EXTENDED PUBLIC COMMENT: Restricted to 5 minutes regarding any issue
Note: This is an opportunity for comments only, questions to the Board will not be answered at this time. For specific answers to questions, please call Township Hall (989-772-4600)

12. MANAGER COMMENTS

13. FINAL BOARD MEMBER COMMENT

14. CLOSED SESSION

15. ADJOURNMENT

Board Expiration Dates

Planning Commission Board Members (9 Members) 3 year term			
#	F Name	L Name	Expiration Date
1-BOT Representative	Lisa	Cody	11/20/2020
2-Chair	Phil	Squatrito	2/15/2023
3-Vice Chair	Denise	Webster	2/15/2020
4-Secretary	Alex	Fuller	2/15/2023
5-Vice Secretary	Mike	Darin	2/15/2022
6	Stan	Shingles	2/15/2021
7	Ryan	Buckley	2/15/2022
8	James	Thering Jr.	2/15/2021
9	Doug	LaBelle II	2/15/2022
Zoning Board of Appeals Members (5 Members, 2 Alternates) 3 year term			
#	F Name	L Name	Expiration Date
1- PC Rep	Ryan	Buckley	2/18/2021
2 - Chair	Andy	Theisen	12/31/2022
3 - Vice Chair	Liz	Presnell	12/31/2022
4 - Secretary	Taylor	Sheahan-Stahl	12/31/2021
5 - Vice Secretary	Judy	Lannen	12/31/2022
Alt. #1	Brandon	LaBelle	12/31/2022
Alt. #2	Jim	Engler	2/15/2021
Board of Review (3 Members) 2 year term			
#	F Name	L Name	Expiration Date
1	Doug	LaBelle II	12/31/2020
2	James	Thering	12/31/2020
3	Bryan	Neyer	12/31/2020
Alt #1	Randy	Golden	1/25/2021
Citizens Task Force on Sustainability (4 Members) 2 year term			
#	F Name	L Name	Expiration Date
1	Don	Long	12/31/2020
2	Mike	Lyon	12/31/2020
3	vacant seat		12/31/2018
4-BOT Representative	vacant seat		11/20/2020
Construction Board of Appeals (3 Members) 2 year term			
#	F Name	L Name	Expiration Date
1	Colin	Herron	12/31/2021
2	Richard	Jakubiec	12/31/2021
3	Andy	Theisen	12/31/2021
Hannah's Bark Park Advisory Board (2 Members from Township) 2 year term			
1	Mark	Stuhldreher	12/31/2020
2	John	Dinse	12/31/2021
Chippewa River District Library Board 4 year term			
1	Ruth	Helwig	12/31/2023
2	Lynn	Laskowsky	12/31/2021



Board Expiration Dates

EDA Board Members (11 Members) 4 year term			
#	F Name	L Name	Expiration Date
1-BOT Representative	Ben	Gunning	11/20/2020
2	Thomas	Kequom	4/14/2023
3	James	Zalud	4/14/2023
4	Richard	Barz	2/13/2021
5	Robert	Bacon	1/13/2023
6	Marty	Figg	6/22/2022
7	Sarvjit	Chowdhary	1/20/2022
8	Cheryl	Hunter	6/22/2023
9	Vance	Johnson	2/13/2021
10	Michael	Smith	2/13/2021
11	David	Coyne	3/26/2022
Mid Michigan Area Cable Consortium (2 Members)			
#	F Name	L Name	Expiration Date
1	Kim	Smith	12/31/2020
2	Vacant		
Cultural and Recreational Commission (1 seat from Township) 3 year term			
#	F Name	L Name	Expiration Date
1	Robert	Sommerville	12/31/2022
Sidewalks and Pathways Prioritization Committee (2 year term)			
#	F Name	L Name	Expiration Date
1 - BOT Representative	Kimberly	Rice	11/20/2020
2 - PC Representative	Denise	Webster	8/15/2020
3-Township Resident	Sherrie	Teall	8/15/2021
4 - Township Resident	Jeremy	MacDonald	10/17/2020
5 - Member at large	Connie	Bills	8/15/2021

Charter Township of Union

RE: Recommendations from the Township Sidewalk and Pathways Prioritization Committee

02/10/2020

Dear Township Board,

I write you this letter on behalf of the entire Township Sidewalk and Pathways Prioritization Committee. As you may be aware the Committee's duties are to plan and prioritizing the construction of sidewalks and pathways. Our Committee is to review the plan as needed and make recommendations to the Township Board. Recently the Committee has discussed achievable goals for the year 2020. The Committee has developed three (3) goals that the committee believes are achievable in 2020 and encourages the Board of Trustees to see them through.

- 1) Implement Sidewalks located at 2010 S. Lincoln Rd.
- 2) Finish implementing sidewalks on the North side of Bluegrass Rd between Isabella and Mission Rd.
- 3) Complete and construct sidewalks for waivers revoked in 2018 in the year 2020.

The Committee understands the Township Board has in years past worked at achieving these goals and thanks the Board for all their work. The Committee is aware of funding limitations within the 2020 budget and have been informed of preliminary work already being done in designing sidewalks located at and near the Township hall. With a focused effort in 2020 the Committee believes the Township Board will be able to complete this goal in 2020 and make them a reality.

Respectfully,

Committee Chair

Jeremy MacDonald

March 23, 2020

Board of Trustees
Charter Township of Union

Dear Township Trustees:

Please accept this letter from the below signed business owners/operators in your township who are **STRONGLY OPPOSED** to the proposed sand and gravel extraction ordinance currently under consideration. We are your neighbors, friends, taxpayers and, in many cases, collectively employ hundreds of people who are citizens of your township. We hope you seriously consider our concerns as outlined in this letter.

As an initial matter, we are concerned that this proposed ordinance has not received the public engagement and scrutiny that would typically be part of a regulatory initiative of this magnitude. We are unaware of any outreach attempted by township planning staff to engage regulated stakeholders in a discussion to evaluate the proposed ordinance, its regulatory objectives and seek to find some form of common ground to address concerns of both the residential community and the owners and operators of sand and gravel operations. Such an attempt could have resulted in a joint effort to find a less draconian regulatory structure to accomplish the desired goals of the township. We suggest that such an effort be made, and a committee be formed to discuss the township's goals with a group of stakeholders from the regulated community. Instead, this effort appears to be generated from feedback on one proposed operation and then manifest itself into a moratorium and a regulatory response that is, frankly, unconstitutional, unnecessary and will most certainly result in contentious, expensive and lengthy litigation—most of which will likely not be covered by township insurance carriers. Thus, the burden and expense of this effort will be directly borne by the taxpaying, and dare we mention, voting members of the public.

Further, our attorneys advise us that the ordinance is almost certainly unlawful on several grounds. First, the ordinance is a land use ordinance being adopted under the guise of a police power ordinance. This attempt is a clear violation of Michigan law, including the Michigan Zoning Enabling Act, which states clearly that it is the sole mechanism to govern land use under Michigan law. To succeed on such a claim, one need to look no further than the "staff comments" attached to the first reading of the ordinance in early March. Staff doesn't even try to mask the attempt to avoid state law scrutiny by adopting this regulatory scheme as a police power ordinance, even though the great majority of the ordinance's conditions regulate land "use" rather than the nuisance effect that can be generated by a land use. Second, the ordinance attempts to make

existing lawful land uses currently in place and "outlaw" those uses under the new ordinance. Make no mistake, when you create such conditions that make it virtually impossible to use a prior lawful land use by adopting subsequent regulations, it is a clear regulatory taking of that land under the state and federal constitutions. Again, one need look no further than the staff comments that make it clear that the intent is to assure that no property owner currently in use (protected non-conforming uses) may avoid the regulatory effects of this new ordinance. Is the township prepared to pay each and every sand and gravel operator in the township for every ton of material that could have been harvested but for this new ordinance? Also, have you asked your township insurance carrier if they will pay for a judgment in the event the township faces such a suit and loses? Such a judgment on just one operation could be financially ruinous to the township. Third, the ordinance does not establish empirically based objective standards for many of the conditions it espouses to regulate. Such amorphous lack of criteria is again likely to result in the ordinance, or large portions of it, being stricken as being unconstitutionally vague.

We could go on and on about the other aspects of the ordinance that are ill advised, illegal or just plain unnecessary. The bottom line here is that, rather than look for a tailored ordinance that rationally regulates conduct which could be a lawful nuisance, this ordinance was clearly designed by the authors to essentially shut the door to any extractive industry. If it's adopted, it will be challenged and will be largely eviscerated, as most any judge will see that it has been adopted for just that purpose—shuttering any business that participates in this activity.

We are not saying that further regulatory effort is unnecessary or that the opinions of a vocal few should be disregarded. What we are saying is that the current proposal is a vast overreaction to a legitimate concern that could be better addressed through cooperative dialogue rather than fostering and facilitating an "us vs them" mentality. We can all peacefully coexist if we can give this some time and effort. From our perspective, we would be happy to appoint a small committee of owners/operators to meet in public committees with township representatives to see if some of the concerns voiced can be addressed by a less drastic measure than the currently proposed ordinance.

In closing, we want to work with you and not against you or any other member of the affected public. However, we can tell you that we also stand ready to enforce our rights in court in the event that we cannot find a reasonable and rational pathway forward. We sincerely hope that does not become necessary.

Sincerely,

Brad MALLEY - MALLEY Construction

Van Fisher - Fisher Companies

Jeffery Zeld - Isabella Corporation

Jeffery Zeld - Fat McGuirk Excavating
Jeffery Zeld - Crawford Contracting

Milly Camp - M/AK Enterprises LLC

Milo Henry Henry Trucking and Excavating
Pat McGuirk Excavating

From: Denise Richards <2283dar@gmail.com>

Sent: Tuesday, March 17, 2020 8:11 AM

To: Mark Stuhldreher <mstuhldreher@uniontownshipmi.com>

Subject:

To: Union Township Board of Trustees

CC: Mark Stuhldreher, and Rodney Nanney

Re: Proposed Extraction Ordinance

Dear Trustees,

First, allow me to express my continued opposition to a sand and gravel pit operation on Millbrook Road. I do, however, understand the constraints under which a decision-making process may be undertaken regarding an approval or a prohibition of such an operation.

I was unavailable to attend the Board meeting, but was able to view the entire 3/11/2020 meeting via the online resource. For the record, I was also able to review the ordinance document online Thursday prior to the meeting. I experienced no difficulty with the length, comprehension, or digestion and integration of the document contents in the time between the ordinance release and prior to the meeting date and time.

The document is vastly improved and comprehensive; especially when compared to the current SUP process. Concern and reservations were expressed by some on the Board that the five local excavators were not informed of the First Reading of the Extraction Ordinance. I don't recall a similar need-for-action expressed for the Township residents when the SUP application was submitted. Rather, the two residents in the required zone were notified, as was customary in similar situations in the past.

The most recent mining Special Use Permit application information was disseminated to concerned Township residents via neighborhood grass roots efforts. The item appeared on the meetings' agenda in each situation.

I question the validity to exercise a reach-out program by the Board to local excavation companies for their input regarding an ordinance. I'm wondering if this has been common practice in the Township when adopting new ordinances in the past? I'm also wondering if this potential outreach will then be extended to all Township residents for whom an extraction operation would also have consequential impacts?

Your sincere attention to this overall topic continues to be greatly appreciated. It is optimistically anticipated that the process will continue to be performed in a fair and professional capacity.

Sincerely,

Denise Richards
Union Township Resident

2020 CHARTER TOWNSHIP OF UNION
Board of Trustees
Regular Meeting Minutes

A regular meeting of the Charter Township of Union Board of Trustees was held on March 11, 2020 at 7:00 p.m. at Union Township Hall.

Meeting was called to order at 7:00 p.m.

Roll Call

Present: Supervisor Gunning, Treasurer Rice, Trustee B. Hauck, Trustee Lannen, and Trustee Mielke

Excused: Clerk Cody and Trustee Woerle

Approval of Agenda

Hauck moved **Mielke** supported to approve the Agenda as presented. **Vote: Ayes: 5 Nays: 0. Motion carried.**

Presentations

Public Hearings

Public Comment

Open: 7:01 p.m.

No comments were offered.

Closed 7:01 p.m.

Reports/Board Comments

A. Board Member Reports

Gunning – Board of Review updates

Hauck – Road Commission updates

Lannen –Isabella County Commission updates

Rice – Sidewalk and Pathway Prioritization Committee updates

Consent Agenda

A. Communications

B. Minutes – February 26, 2020 - regular meeting

C. Accounts Payable

D. Payroll

E. Meeting Pay

F. Fire Reports

Mielke moved **Rice** supported to approve the consent agenda as presented. **Vote: Ayes: 5 Nays: 0. Motion Carried.**

BOARD AGENDA

A. Discussion/Action: (Smith) Consideration to approve the 2020 Township Brine Participation Contract with the Isabella County Road Commission (ICRC) for the application of brine and authorize the Township Manager to sign said contract

Hauck moved **Rice** supported to approve the 2020 Township Brine Participation Contract with the Isabella County Road Commission (ICRC) for the application of brine and authorize the Township Manager to sign said contract. **Vote: Ayes: 5 Nays: 0. Motion Carried.**

B. Discussion/Action: (Nanney) – Introduction and First Reading of proposed Extraction Ordinance

Lannen moved **Rice** supported to introduce and hold first reading of the proposed extraction ordinance. **Roll Call Vote: Ayes: Lannen, Mielke, and Rice Nays: Gunning and Hauck. Motion Carried.**

EXTENDED PUBLIC COMMENT: RESTRICTED TO 5 MINUTES REGARDING ANY ISSUE

Open 8:21 p.m.

Brian Morris, 1140 Eastwood Dr. – In favor of proposed extraction ordinance.

Closed 8:22 p.m.

MANAGER COMMENTS

- The Township Fire truck will be delivered soon
- Working with Nottawa Township to develop a utility right of way use agreement
- Building Official position will be posted by the end of the month, existing McKenna contract was renegotiated reducing it by about 24%
- Annual Joint Meeting of all boards April 29, 2020 at 5:00 p.m. located at the Commission on Aging followed with presentation by Consultant regarding the Zoning Ordinance Rewrite with Public Open House following at 6:30 p.m.
- Requested support of the Board to write a Spring 2% grant for the River Trail Group (City, Township, Saginaw Chippewa Indian Tribe, Midland County, and CMU) for a Master Plan that will be applied for from the River Trail Group
- Sidewalk and Pathway Prioritization updates
- Coronavirus update for Township Hall: Township will follow guidelines of CDC, Township will be open for normal business, and Township is sensitive to protect staff and community.

FINAL BOARD MEMBER COMMENTS

Gunning – Commented on how well the election went. Update from CMU regarding the coronavirus. Asked for Agenda Item Discussion of Special Assessment Districts (administration fees & amortization schedule) on the March 25, 2020 Agenda.

Hauck – Asked to discuss gravel roads, Township Manager stated that Gravel Road Contracts will be an Item on the March 25, 2020 Agenda.

Mielke – Commented on election and thanked Clerk Cody, her deputy, all election inspectors, and Township Staff for their help with the election.

Rice – Commented on coronavirus updates regarding CMU, Special Olympics, and Tribal Fish Fry's. Shout out from Clerk Cody: Thank you to everyone involved with the election - thanked her deputy, Township Staff, Election Inspectors, and CMS for their help. Commented that she is attending the Annual MTA Conference April 27, 2020 to April 30, 2020, confirmed that Township Manager will be processing payroll in her absence. Commented that Planning Commission Representative to the Sidewalk and Pathway Prioritization Committee has not been filled yet.

ADJOURNMENT

Rice moved **Mielke** supported to adjourn the meeting at 8:47 p.m. **Vote: Ayes: 5 Nays: 0.**
Motion carried.

APPROVED BY:

Lisa Cody, Clerk

Ben Gunning, Supervisor

(Recorded by Jennifer Loveberry)

DRAFT

Check Date	Bank	Check	Vendor	Vendor Name	Description	Amount
Bank 101 POOLED CHECKING						
04/03/2020	101	338 (E)	00146	CONSUMERS ENERGY PAYMENT CENTER	4511 E RIVER	12,613.04
04/08/2020	101	21838	00020	JAMES ALWOOD	WELL SITE LEASE - FEB 2020	335.40
04/08/2020	101	21839	00066	BILL'S CUSTOM FAB, INC.	REBUILD FILTER TANK ON SEWER VACTOR MATERIAL FOR FILTER TANK REBUILD	2,011.33 141.97
						<u>2,153.30</u>
04/08/2020	101	21840	00072	BLOCK ELECTRIC	EMERGENCY LIGHT REPLACEMENT-TWP HALL	244.43
04/08/2020	101	21841	01240	BRAUN KENDRICK FINKBEINER PLC	GEN LEGAL FEES - FEB 2020	6,744.00
04/08/2020	101	21842	00095	C & C ENTERPRISES, INC.	TWP HALL SUPPLIES HAND SANITIZER - TWP HALL PAPER TOWELS - W/S PAPER TOWEL - ISABELLA PAPER TOWELS - WWTP	79.00 79.00 136.66 29.50 59.00
						<u>383.16</u>
04/08/2020	101	21843	00722	CHARTER TOWNSHIP OF UNION	Q1 UTILITY BILLING-PARKS Q1 UTILITY BILLING-WWTP	369.66 2,031.90
						<u>2,401.56</u>
04/08/2020	101	21844	00129	CMS INTERNET, LLC	LAIRD ANTENNA INSTALLATION-ISABELLA WELL	614.00
04/08/2020	101	21845	00155	COYNE OIL CORPORATION	FUEL IN TOWNSHIP VEHICLES-MARCH 2020	572.38
04/08/2020	101	21846	00162	CUMMINS BRIDGEWAY, LLC	350KW GENERATOR SERVICE/RECALIBRATION	649.00
04/08/2020	101	21847	01171	DBI BUSINESS INTERIORS	FOLDERS - TWP HALL	6.99
04/08/2020	101	21848	00456	E. I. MORROW CO., INC.	AIR FILTER	650.50
04/08/2020	101	21849	01426	ENVIRONMENTAL RESOURCE ASSOCIATES	WASTEWATR COLIFORM MICROBE/PH/NUTRIENTS/	772.10
04/08/2020	101	21850	00209	ETNA SUPPLY COMPANY	DRAIN VALVES FOR FILTER TANK INNER FILTER ADAPTER FOR FILTER TANK DRAIN REPAIR ON SEWER VACTOR MTR 2" OMNI C2-1,000 GAL	26.00 31.00 6.60 1,580.00
						<u>1,643.60</u>
04/08/2020	101	21851	00257	GOURDIE-FRASER, INC.	PUMP STN #1 PROJECT RE-BID SERVICES-SPRI	1,760.78
04/08/2020	101	21852	00261	GRAINGER	V-BELT, COGGED	291.83
04/08/2020	101	21853	00262	GRAND TRAVERSE RUBBER SUPPLY	FILTER DRAIN/HATCH GASKET REPLACED LEADER HOSE ON SEWER SETTER REPLACED VACUUM HOSE ON SEWER VACTOR	38.84 156.76 66.36
						<u>261.96</u>
04/08/2020	101	21854	00266	HACH COMPANY	SPEC COLOR STD/SAMPLE CELL	257.38
04/08/2020	101	21855	01447	INTERSTATE BILLING SERVICE, INC	HOTSY MACHINE SERVICE	244.90
04/08/2020	101	21856	01455	JENNIFER LOVEBERRY	BANKING MILEAGE REIMBURSEMENT-JAN BANKING MILEAGE REIMBURSEMENT-FEB BANKING MILEAGE REIMBURSEMENT-MAR	35.31 32.32 22.54
						<u>90.17</u>
04/08/2020	101	21857	00001	M T A	CLASSIFIED AD FOR BULIDING OFFICIAL CLASSIFIED AD FOR ACCOUNTING SPECIALIST	200.00 200.00
						<u>400.00</u>

04/02/2020 02:41 PM
 User: SHERRIE
 DB: Union

CHECK REGISTER FOR CHARTER TOWNSHIP OF UNION
 CHECK DATE FROM 03/26/2020 - 04/08/2020

Check Date	Bank	Check	Vendor	Vendor Name	Description	Amount
04/08/2020	101	21858	00420	MICHIGAN MUNICIPAL LEAGUE	CLASSIFIED AD-PUBLIC SERVICES ASSISTANT	315.60
04/08/2020	101	21859	00142	MICHIGAN OFFICE SOLUTIONS	COLOR COPY OVERAGE CHARGE 12/18/19 - 3/1	861.96
04/08/2020	101	21860	00422	MICHIGAN PIPE & VALVE	VALVE BOX BASE	30.00
04/08/2020	101	21861	00907	MID MICHIGAN CABLE CONSORTIUM	2020 VIDEO RECORDING-BOARD MEETINGS	3,307.50
04/08/2020	101	21862	01662	CAR WASH PARTNERS INC	FEBRUARY 2020 CAR WASHES	55.00
04/08/2020	101	21863	00494	NORTH CENTRAL LABORATORIES	3.8 LITER ISOPROPANOL	418.21
					HYDROGEN PEROXIDE/ISOPROPANOL/GLYCERIN	621.55
					PHOSPHORUS/AMMONIA-TEST N TUBE PLUS	2,270.87
						<u>3,310.63</u>
04/08/2020	101	21864	00131	PERCEPTIVE CONTROLS, INC	PUMP STN #1 UPGRADE-DESIGN/SPECIFICATION	1,197.00
					PUMP STN #14-CADD/PRINTS/ENGINEERING&PRO	10,005.99
						<u>11,202.99</u>
04/08/2020	101	21865	01325	ROBINSON ELECTRICAL & MECH INC	PUMP STATION 14 CONSTRUCTION THRU MARCH	72,872.00
04/08/2020	101	21866	01316	STATE OF MICHIGAN	ELEVATOR CERTIFICATE-PUMPSTATION #2	180.00
04/08/2020	101	21867	01013	USA BLUE BOOK	LOCKING VALVE BOX LID-ISABELLA RD	243.95
					AV GASKET/REDUCING FLANGE/COMPANION FLAN	302.96
					RTK COMPLIANCE CENTER	311.85
					PEPPRL + FUCHS LOOP-POWERED ISOLATOR/KPS	1,560.94
						<u>2,419.70</u>
04/08/2020	101	21868	01314	VERIZON WIRELESS	CELL PHONES 2-16-20 TO 3-15-20	398.30
04/08/2020	101	21869	00703	WASTE MANAGEMENT OF MICHIGAN, INC	DUMPSTER SERVICE-WWTP APR 2020	893.39
					DUMPSTER SERVICE-SHOP APR 2020	53.28
					DUMPSTER SERVICE-MCDONALD APR 2020	204.99
					DUMPSTER SERVICE-TWP HALL APR 2020	67.95
					DUMPSTER SERVICE-JAMESON MAR 2020	133.05
						<u>1,352.66</u>
04/08/2020	101	21870	01236	WEB ASCENDER	WEBSITE Q2 HOSTING 2020	90.00
04/08/2020	101	21871	00710	WEBB CHEMICAL SERVICE	FERRIC CHLORIDE SOLUTION	5,141.24
04/08/2020	101	21872	00723	WINN TELECOM	PHONE SERVICE 4/1/20 - 4/30/20	331.85
04/08/2020	101	21873	01483	XEROX FINANCIAL SERVICES	LEASE PAYMENT - MAR 2020	1,500.76
						<u><u>1,500.76</u></u>

101 TOTALS:

Total of 37 Checks:	136,460.67
Less 0 Void Checks:	0.00
Total of 37 Disbursements:	<u>136,460.67</u>

Check Date	Bank	Check	Vendor	Vendor Name	Description	Amount
Bank 101 POOLED CHECKING						
03/13/2020	101	332 (E)	01668	HALT FIRE, INC.	2019 FIRE TRUCK	447,031.00
03/19/2020	101	333 (E)	00146	CONSUMERS ENERGY PAYMENT CENTER	5076 S MISSION	878.95
					4795 S MISSION	2,286.94
					4797 S MISSION BARN	538.28
					4822 ENCORE	112.48
					4244 E BLUEGRASS	75.15
					900 MULBERRY	71.78
					5240 E BROOMFIELD	992.58
					5228 S ISABELLA	5,004.47
					2270 NORTHWAY	30.77
					2055 ENTERPRISE	359.89
					5525 E REMUS	68.93
					5537 E BROADWAY	490.98
					1933 S ISABELLA	708.39
					5144 BUDD	25.36
					5142 BUDD	208.27
					1660 BELMONT	252.65
					48858 LED LIGHT	40.13
					2010 S LINCOLN L4	59.85
					STREET LIGHTS	1,888.08
					3998 E DEERFIELD	115.61
					1776 E PICKARD	28.87
					2424 W MAY	414.00
					1046 S MISSION	122.77
					5319 E AIRPORT	79.62
					1633 S LINCOLN	435.66
					2010 S LINCOLN	1,961.72
					4520 E RIVER	617.07
					800 CRAIG HILL	56.38
					2495 E DEERFIELD	490.64
					2180 S LINCOLN	26.58
					1876 E PICKARD	202.32
					2188 E PICKARD	108.30
					1876 S LINCOLN	15.49
					1605 SCULLY	54.04
					3248 S CONCOURSE	122.77
					5369 S CRAWFORD	79.48
					2279 S MERIDIAN RD	1,084.59
					2279 S MERIDIAN RD	145.18
						<u>20,255.02</u>
03/19/2020	101	334 (E)	00146	VOID		
				VOID Reason: Created From Check Run Process		
03/19/2020	101	335 (E)	00146	VOID		
				VOID Reason: Created From Check Run Process		
03/25/2020	101	21782	01358	21ST CENTURY MEDIA-MICHIGAN	BOT/SEWER/ZONING ADS - FEB 2020	779.23
					WATER/SEWER/WWTP/PARKS/FINANCE CLASSIFIE	1,687.00
						<u>2,466.23</u>
03/25/2020	101	21783	00022	RUSSELL ALWOOD	ELECTION TRAINING & WORK - FEB/MAR 2020	213.00
03/25/2020	101	21784	01676	SHERYLE L. ALWOOD	ELECTION TRAINING AND WORK - FEB/MARCH 2	228.00
03/25/2020	101	21785	01680	DONNA ANDERSON	ELECTION TRAINING & WORK - FEB/MAR 2020	30.00
03/25/2020	101	21786	01679	LISA MARIE AUKER	ELECTION TRAINING & WORK - FEB/MAR 2020	143.50
03/25/2020	101	21787	00084	B S & A SOFTWARE	BLDG.NET TRAINING 2/25/20 - NANNEY	205.00

Check Date	Bank	Check	Vendor	Vendor Name	Description	Amount
03/25/2020	101	21788	01678	MARY R. BENTLEY	ELECTION TRAINING & WORK - FEB/MAR 2020	210.00
03/25/2020	101	21789	00072	BLOCK ELECTRIC	REPAIR LIGHT - WWTP	95.00
03/25/2020	101	21790	01407	VICTORIA BUSHONG	ELECTION TRAINING & WORK - FEB/MAR 2020	273.00
03/25/2020	101	21791	00095	C & C ENTERPRISES, INC.	JANITORIAL SUPPLIES - TWP HALL	135.00
					JANITORIAL SUPPLIES - TWP HALL	141.00
						<u>276.00</u>
03/25/2020	101	21792	01309	CGS, INC	RESPIRATOR TRAINING & FIT TESTING	1,008.50
					CPR/AED/FA TRAINING	1,073.50
						<u>2,082.00</u>
03/25/2020	101	21793	01623	CLARK HILL PLC	LEGAL FEES-PUNG PROPERTY-FEB 2020	810.00
03/25/2020	101	21794	00129	CMS INTERNET, LLC	MANAGED IT, EMAIL & PHONE SERVICE - APRI	5,321.11
03/25/2020	101	21795	00155	COYNE OIL CORPORATION	FUEL IN TOWNSHIP VEHICLES - 2/29/20	428.80
03/25/2020	101	21796	01171	DBI BUSINESS INTERIORS	DBI DESK PAD 12 MONTH - TWP HALL	3.89
03/25/2020	101	21797	01674	RANDALL JORDAN DOYLE	ELECTION TRAINING & WORK - FEB/MAR 2020	252.00
03/25/2020	101	21798	00098	ELECTION SOURCE	LARGE ROLLING BALLOT BOX/I VOTED ABSENTEE	365.00
03/25/2020	101	21799	00201	ELHORN ENGINEERING COMPANY	BULK CHLORINE	5,045.50
03/25/2020	101	21800	01353	EVOQUA WATER TECHNOLOGIES LLC	BIOXIDE EQUIPMENT PARTS	1,686.20
03/25/2020	101	21801	01498	MINDY FINDLEY	ELECTION TRAINING & WORK - FEB/MAR 2020	225.00
03/25/2020	101	21802	01500	CHRISTINE K FOUNTAIN	ELECTION TRAINING & WORK - FEB/MAR 2020	280.00
03/25/2020	101	21803	00231	FOUR SEASON'S EXTERMINATING	TWP HALL INSP/TREATMENT - MARCH 2020	40.00
03/25/2020	101	21804	00266	HACH COMPANY	TOTAL ALKALINITY TNT+	95.40
					AMMONIA, TNT+ & PHOSPHORUS TNT+	731.04
						<u>826.44</u>
03/25/2020	101	21805	01670	RUTH MARGARET HELWIG	ELECTION TRAINING & WORK - FEB/MAR 2020	156.00
03/25/2020	101	21806	00281	MARGIE HENRY	ELECTION TRAINING & WORK - FEB/MAR 2020	213.00
03/25/2020	101	21807	01669	HOLLIDAY INTERIORS LLC	OFFICE FURNITURE-ADMIN ASSISTNT FINAL PM	628.75
03/25/2020	101	21808	01590	JANICE HOWDYSELL	ELECTION TRAINING & WORK - FEB/MAR 2020	276.50
03/25/2020	101	21809	00360	KIMBALL MIDWEST	CAP SCREW/NUT/WASHER	42.50
03/25/2020	101	21810	01677	JUDY MARIE LANNEN	ELECTION TRAINING & WORK - FEB/MAR 2020	222.00
03/25/2020	101	21811	01506	MCKENNA ASSOCIATES	ZONING ORDINANCE REVISION	6,320.00
					BLDG OFFICIAL & INSP SERV - FEB 2020	9,240.00
						<u>15,560.00</u>
03/25/2020	101	21812	01356	MCLAREN CENTRAL MICHIGAN	MDOT PHYSICAL - MCBRIDE	80.00
03/25/2020	101	21813	00420	MICHIGAN MUNICIPAL LEAGUE	ACCOUNTING SPECIALIST CLASSIFIED AD	334.80
03/25/2020	101	21814	01255	MID MICHIGAN SECURITY	NEW KEYPAD & SYSTEM TEST	368.80
03/25/2020	101	21815	00128	CITY OF MT. PLEASANT	2ND Q 2020 FIRE CONTRACT PAYMENT	190,950.00
03/25/2020	101	21816	00494	NORTH CENTRAL LABORATORIES	PREWASHED/PREWEIGHTED TSS FILTER & NCL F	890.54
03/25/2020	101	21817	00131	PERCEPTIVE CONTROLS, INC	INDUCTIVE AUTOMATION BASIC CARE RENEWAL	1,512.00
					ISABELLA EPIC UPGRADE	1,008.00
						<u>2,520.00</u>
03/25/2020	101	21818	01352	PLEASANT GRAPHICS	TAX ASSESSMENT MAILING PREP	680.00
03/25/2020	101	21819	01373	MERISSA J. RICE	ELECTION TRAINING & WORK - FEB/MAR 2020	273.00
03/25/2020	101	21820	01595	ROMANOW BUILDING SERVICES	JANITORIAL SERVICES WTR PLANT-FEB 2020	204.64
					JANITORIAL SERVICES WWTP - FEB 2020	306.96
					JANITORIAL SERVICES TWP HALL-FEB 2020	511.58
						<u>1,023.18</u>
03/25/2020	101	21821	01542	SHRED-IT US JV LLC	PAPER SHREDDING 2/26/20	63.11

03/19/2020 12:32 PM
 User: SHERRIE
 DB: Union

CHECK REGISTER FOR CHARTER TOWNSHIP OF UNION
 CHECK DATE FROM 03/12/2020 - 03/25/2020

Check Date	Bank	Check	Vendor	Vendor Name	Description	Amount
03/25/2020	101	21822	01673	JUDITH A SIMON	ELECTION TRAINING & WORK - FEB/MAR 2020	207.00
03/25/2020	101	21823	01126	MARTY SIUDA	ELECTION TRAINING & WORK-FEB/MAR 2020	266.00
03/25/2020	101	21824	01410	CINDY SMITH	ELECTION TRAINING & WORK-FEB/MAR 2020	63.00
03/25/2020	101	21825	00629	STU'S ELECTRIC MOTOR	TERTIARY FILTER 4 DRIVE MOTOR-BALL BEARI	120.00
03/25/2020	101	21826	01633	SUMMIT COMPANIES	EXTINGUISHER & EMERGENCY INSPECTION/CHEC	229.00
					EXTINGUISHER & EMERGENCY INSPECTION/CHEC	197.00
					EXTINGUISHER & EMERGENCY INSPECTION/CHEC	106.00
					EXTINGUISHER & EMERGENCY INSPECTION/CHEC	189.00
					EXTINGUISHER & EMERGENCY INSPECTION/CHEC	171.50
						<u>892.50</u>
03/25/2020	101	21827	01013	USA BLUE BOOK	DPD 1 & 4 DISPENSER/N-DEX FREE GLOVES/RE	503.51
03/25/2020	101	21828	01675	ROBYN UTTERBACK	ELECTION TRAINING & WORK - FEB/MAR 2020	222.00
03/25/2020	101	21829	01336	CYNTHIA M VELDT-DIETSCH	ELECTION TRAINING & WORK-FEB/MAR 2020	297.50
03/25/2020	101	21830	01671	KATRINA M. WEBB	ELECTION TRAINING & WORK-FEB/MAR 2020	222.00
03/25/2020	101	21831	00714	RUTH A WENTWORTH	ELECTION TRAINING & WORK - FEB/MAR 2020	287.00
03/25/2020	101	21832	01587	BRIAN WISNIEWSKI	ELECTION TRAINING & WORK - FEB/MAR 2020	269.50
03/25/2020	101	21833	01588	SHARON WISNIEWSKI	ELECTION TRAINING & WORK - FEB/MAR 2020	225.00
03/25/2020	101	21834	01672	HEIDI LOU WOOD	ELECTION TRAINING & WORK - FEB/MAR 2020	225.00
03/25/2020	101	21835	01483	XEROX FINANCIAL SERVICES	LEASE PAYMENT-JAN 2020	1,500.76
03/25/2020	101	21836	01372	JOSEPH W YODER	ELECTION TRAINING & WORK - FEB/MAR 2020	318.50
03/25/2020	101	21837	01159	SUSAN K YODER	ELECTION TRAINING & WORK - FEB/MAR 2020	346.50

101 TOTALS:

Total of 60 Checks:
 Less 2 Void Checks:

709,039.64
 0.00

Total of 58 Disbursements:

709,039.64

**CHARTER TOWNSHIP OF UNION
MEETING PAY REQUEST FORM**

2017 ~~2020~~

BOARD MEMBER: Bill Houch

MONTH: Feb. 2020

Date	Meeting	Time Attended		Total
		1hr or less	More than Hr	
2-13	I.C.R.C.		X	75.00
2-19	C.O.G.			50.00
2-20	I.C.R.C. Township meeting	X		50.00
2-27	I.C.R.C.	X		50.00

SIGNATURE: Bill Houch Date: 3-11-20

1. This form is filled out by the board member monthly and turned into the Finance Director. Completed requests will be added to the consent agenda for approval at the next regular board meeting. After board approval, payment will be added to the next regular payroll process.
2. Only list those meetings that you have attended. You are required to list the amount of meeting time you were in attendance. The amount paid is subject to the time you spent during the actual meeting. 1 to 60 minutes is reimbursed at \$50. Anything greater than 60 minutes is reimbursed at \$75.
3. Attendances at all day conferences/sessions are reimbursed as one meeting at \$75.

Charter Township of Union Payroll
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CHECK DATE: March 19, 2020.

PPE: March 14, 2020

NOTE: PAYROLL TRANSFER NEEDED

General Fund	\$ 31,690.86
Fire Fund	-
EDDA	-
WDDA	-
Sewer Fund	32,557.64
Water Fund	23,925.17
Total To Transfer from Pooled Savings	<u><u>\$ 88,173.67</u></u>

NOTE: CHECK TOTAL FOR TRANSFER

Gross Payroll	\$ 57,850.08
Employer Share Med	832.12
Employer Share SS	3,558.12
SUI	99.11
Pension-Employer Portion	4,625.28
Workers' Comp	842.39
Life/LTD	-
Dental	1,153.99
Health Care	19,078.08
Vision	-
Vision Contribution	-
Health Care Contribution	-
Cobra/Flex Administration	134.50
PCORI Fee	-
Total Transfer to Payroll Checking	<u><u>\$ 88,173.67</u></u>

Charter Township of Union Payroll
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CHECK DATE: April 2, 2020.

PPE: March 28, 2020

NOTE: PAYROLL TRANSFER NEEDED

General Fund	\$	34,706.87
Fire Fund		-
EDDA		-
WDDA		-
Sewer Fund		33,437.12
Water Fund		21,210.60
Total To Transfer from Pooled Savings	\$	89,354.59

NOTE: CHECK TOTAL FOR TRANSFER

Gross Payroll	\$	61,723.63
Employer Share Med		839.75
Employer Share SS		3,590.67
SUI		25.44
Pension-Employer Portion		4,579.80
Workers' Comp		827.00
Life/LTD		556.40
Dental		1,153.99
Health Care		19,078.08
Vision		327.48
Vision Contribution		(163.74)
Health Care Contribution		(3,183.91)
Cobra/Flex Administration		-
PCORI Fee		-
Total Transfer to Payroll Checking	\$	89,354.59

Mount Pleasant Fire Department

**Fire Experience Report For Union Township/City of Mt. Pleasant
Period March 16, 2020 through March 22, 2020**


Category	Code	Description	Twp	Resp	City
Fire	100	Fire, Other			
	111	Building Fire			
	112	Fires in Structures other than a Building			
	113	Cooking Fire			
	114	Chimney or Flue Fire			
	116	Fuel Burner/Boiler Malfunction			
	118	Trash or Rubbish fire, contained			
	123	Fire in portable building, fixed location			
	130	Mobile Property Fire, Other			
	131	Passenger Vehicle Fire	2	6	
	132	Road freight or transport vehicle fire			
	136	Self-propelled Motor Home/Recreational			
	137	Camper or Recreational Vehicle (RV) Fire			
	138	Off-road vehicle of heavy equipment fire			
	140	Natural Vegetation Fire	1	16	
	143	Grass/Brush fire			1
	150	Outside Rubbish Fire, other			
	151	Outside Rubbish Fire, trash or waste fire			
	154	Dumpster Fire			
	155	Outside stationary compactor, compacted ...			
160	Special Outside Fire, Other				
Overpressure Rupture, (No Fire)	200	Overpressure rupture, explosion, overheat			
	251	Excessive heat, scorch burns with no fire			
	231	Chemical reaction rupture of process vessel			
Rescue & EMS Incident	300	Rescue, EMS incident, other			
	311	Medical Assist to EMS Crew			3
	321	EMS Call excluding Veh. Accident	1	3	2
	322	Motor Vehicle Acc. W/ Injuries			
	323	Motor Vehicle Acc/Pedestrian			
	324	Motor Vehicle Acc. W/no Injuries			
	331	Lock-In (If lock out use 551)			
	342	Search for Person in Water			
	352	Extrication of Victim (s) from vehicle			
	353	Remove Victim from Stalled Elevator			
	360	Water & Ice-related Rescue, Other			
	361	Swimming /recreational water area rescue			
	363	Swift Water Rescue			
	3811	Technical rescue standby			
Hazardous Condition (No Fire)	400	Hazard condition other			
	410	Combustible/Flammable Gas Condition			
	411	Gasoline or Other Flammable Spill			
	412	Gas Leak (natural gas or LPG)			
	413	Oil of Combustible Liquid Spill			

	420	Toxic Condition, Other			
	421	Chemical Hazard (No Spill or Leak)			
	422	Chemical Spill or Leak			
	423	Refrigeration Leak			
	424	Carbon Monoxide Incident			
	440	Electric Wiring/Equipment Problem			
	441	Heat from Short Circuit			
	442	Overheated Motor			
	443	Breakdown of Light Ballast			
	444	Power Line Down			
	445	Arcing, shorted electrical equipment			
	451	Biological hazard, confirmed or suspected			
	461	Building or Structure Weakened or Collapsed			
	462	Aircraft Standby			
	463	Vehicle Accident, general cleanup			
	480	Attempted burning, illegal action, other			1
	4441	Utility Line Down			
Service Call					
	500	Service Call - Other			
	510	Person in Distress			
	511	Lock-out			
	512	Ring or Jewelry removal			
	520	Water Problem, Other			
	521	Water Evacuation			
	522	Water of Steam Leak			
	531	Smoke or Odor Removal			
	542	Animal Rescue			
	552	Police Matter			
	553	Public Service			
	555	Defective Elevator, No Occupants			
	561	Unauthorized Burning			1
	571	Cover assignment, standby, moveup			
Good Intent Call					
	600	Good Intent Call, Other			
	611	Dispatched and Cancelled en route	1	3	
	622	No Incident Found on Arrival			1
	631	Authorized controlled burning			
	650	Steam, gas mistaken for smoke,			
	651	Smoke Scare, Odor of Smoke			
	653	Smoke from Barbecue, Tar Kettle			
	661	EMS call, party already transported			
	671	HazMat Investigation, no HazMat			
False Alarm & False Call					
	700	False Alarm, Other			
	710	Malicious, mischievous false call, other			
	715	Local Alarm System, Malicious False Alarm			
	721	Bomb Scare - No Bomb			
	730	System Malfunction			
	731	Sprinkler activation due to malfunction			
	732	Extinguishing System Activation - Malfunction			
	733	Smoke Det. Activation - Malfunction	1	2	
	734	Heat Detector Activation - Malfunction			

	735	Alarm system sounded due to malfunction	1	3	
	736	CO detector activation due to malfunction			1
	740	Unintentional transmission of alarm, other			
	741	Sprinkler activation, no fire			
	743	Smoke Det. Activation - Unintentional			
	744	Detector activation, no fire			1
	745	Alarm System Act. - Unintentional			2
	746	Carbon Monoxide Activation, NO CO			
Severe Weather					
	812	Flood Assessment			
Special Incident Type	813	Wind Storm, Tornado/Hurricane Assessment			
	814	Lightning Strike (No Fire)			
	911	Citizen Complaint			
	9002	Civil Infraction Issued			
	9003	Affidavit Issued			
		Total Response for Union Twp/City	7		13
		YTD Response for Union Twp/City	67		103

 Emergency - MPFD

 Emergency - MPFD Secondary to MMR

 Non - Emergency

Mount Pleasant Fire Department

**Fire Experience Report For Union Township/City of Mt. Pleasant
Period March 23, 2020 through March 29, 2020**


Category	Code	Description	Twp	Resp	City
Fire	100	Fire, Other			
	111	Building Fire			
	112	Fires in Structures other than a Building			
	113	Cooking Fire			
	114	Chimney or Flue Fire			
	116	Fuel Burner/Boiler Malfunction			
	118	Trash or Rubbish fire, contained			
	123	Fire in portable building, fixed location			
	130	Mobile Property Fire, Other			
	131	Passenger Vehicle Fire			
	132	Road freight or transport vehicle fire			
	136	Self-propelled Motor Home/Recreational			
	137	Camper or Recreational Vehicle (RV) Fire			
	138	Off-road vehicle of heavy equipment fire			
	140	Natural Vegetation Fire			
	143	Grass/Brush fire			
	150	Outside Rubbish Fire, other			
	151	Outside Rubbish Fire, trash or waste fire			
	154	Dumpster Fire			
	155	Outside stationary compactor, compacted ...			
160	Special Outside Fire, Other				
Overpressure Rupture, (No Fire)	200	Overpressure rupture, explosion, overheat			
	251	Excessive heat, scorch burns with no fire			
	231	Chemical reaction rupture of process vessel			
Rescue & EMS Incident	300	Rescue, EMS incident, other			
	311	Medical Assist to EMS Crew			
	321	EMS Call excluding Veh. Accident			1
	322	Motor Vehicle Acc. W/ Injuries			
	323	Motor Vehicle Acc/Pedestrian			
	324	Motor Vehicle Acc. W/no Injuries			
	331	Lock-In (If lock out use 551)			
	342	Search for Person in Water			
	352	Extrication of Victim (s) from vehicle			
	353	Remove Victim from Stalled Elevator			
	360	Water & Ice-related Rescue, Other			
	361	Swimming /recreational water area rescue			
	363	Swift Water Rescue			
	3811	Technical rescue standby			
Hazardous Condition (No Fire)	400	Hazard condition other			
	410	Combustible/Flammable Gas Condition			
	411	Gasoline or Other Flammable Spill			
	412	Gas Leak (natural gas or LPG)			
	413	Oil of Combustible Liquid Spill			

	420	Toxic Condition, Other			
	421	Chemical Hazard (No Spill or Leak)			
	422	Chemical Spill or Leak			
	423	Refrigeration Leak			
	424	Carbon Monoxide Incident			
	440	Electric Wiring/Equipment Problem			
	441	Heat from Short Circuit			
	442	Overheated Motor			
	443	Breakdown of Light Ballast			
	444	Power Line Down			
	445	Arcing, shorted electrical equipment			
	451	Biological hazard, confirmed or suspected			
	461	Building or Structure Weakened or Collapsed			
	462	Aircraft Standby			
	463	Vehicle Accident, general cleanup			
	480	Attempted burning, illegal action, other			
	4441	Utility Line Down			1
Service Call					
	500	Service Call - Other			
	510	Person in Distress			
	511	Lock-out			
	512	Ring or Jewelry removal			
	520	Water Problem, Other			
	521	Water Evacuation			
	522	Water of Steam Leak			
	531	Smoke or Odor Removal			
	542	Animal Rescue			
	552	Police Matter			
	553	Public Service			
	555	Defective Elevator, No Occupants			
	561	Unauthorized Burning			1
	571	Cover assignment, standby, moveup			
Good Intent Call					
	600	Good Intent Call, Other			
	611	Dispatched and Cancelled en route			
	622	No Incident Found on Arrival			
	631	Authorized controlled burning			
	650	Steam, gas mistaken for smoke,			
	651	Smoke Scare, Odor of Smoke			1
	653	Smoke from Barbecue, Tar Kettle			
	661	EMS call, party already transported			
	671	HazMat Investigation, no HazMat			
False Alarm & False Call					
	700	False Alarm, Other			
	710	Malicious, mischievous false call, other			
	715	Local Alarm System, Malicious False Alarm			
	721	Bomb Scare - No Bomb			
	730	System Malfunction			
	731	Sprinkler activation due to malfunction			
	732	Extinguishing System Activation - Malfunction			
	733	Smoke Det. Activation - Malfunction			
	734	Heat Detector Activation - Malfunction			

	735	Alarm system sounded due to malfunction			1
	736	CO detector activation due to malfunction			
	740	Unintentional transmission of alarm, other			
	741	Sprinkler activation, no fire			
	743	Smoke Det. Activation - Unintentional	1	2	
	744	Detector activation, no fire			
	745	Alarm System Act. - Unintentional			
	746	Carbon Monoxide Activation, NO CO			
Severe Weather					
	812	Flood Assessment			
Special Incident Type	813	Wind Storm, Tornado/Hurricane Assessment			
	814	Lightning Strike (No Fire)			
	911	Citizen Complaint			
	9002	Civil Infraction Issued			
	9003	Affidavit Issued			
		Total Response for Union Twp/City	1		5
		YTD Response for Union Twp/City	68		108

 Emergency - MPFD

 Emergency - MPFD Secondary to MMR

 Non - Emergency

To: Mark Stuhldreher - Township Manager **DATE:** March 31, 2020
FROM: Kim Smith – Public Service Director **DATE FOR BOARD CONSIDERATION:** April 8, 2020
ACTION REQUESTED: Approval of the bid from Plummer’s Environmental in the amount of \$127,595.00, for the rehabilitation of (16) sixteen sanitary sewer manhole structures located on Mission Road and River Road.

Current Action Emergency

Funds Budgeted: If Yes Account # 590-536-930.000 No N/A

Finance Approval MDS

BACKGROUND INFORMATION

As part of the Township’s ongoing Sanitary Sewer Asset Management Program (16) sixteen sanitary sewer manhole structures were identified as the next critical manholes requiring rehabilitation. This rehabilitation includes leak stop, and/or cured in place lining of the manhole structures. Bids were received and opened on March 18, 2020 at 10:30 a.m. The one responsive bidder for this project is as follows.

Bidder	Amount
Plummer’s Environmental	\$127,595.00

SCOPE OF SERVICES

- River Road – leak stop & cured in place liner (CIP) – (6) manhole structure
- Mission Road – leak stop & cured in place liner (CIP) – (10) manhole structures

JUSTIFICATION

I recommend that Plummer’s Environmental be awarded the sanitary sewer manhole structure rehabilitation repairs in the amount of \$127,595.00. This recommendation is based on the history of successful repair and maintenance work performed by Plummer’s Environmental for Union Township as well as their responsiveness to the Request for Proposal (RFP).

PROJECT IMPROVEMENTS

Board of Trustees goals addressed by this agreement (From Policy 1.0: Global End).

1. Community well-being and common good
2. Safety
3. Health

COSTS

\$127,595.00

This project is included in the FY2020 Sanitary Sewer Budget - account number 590-536-930.000

PROJECT TIME TABLE

45 days after receipt of Notice to Proceed

RESOLUTION

Approval of the bid from Plummer’s Environmental in the amount of \$127,595.00 for the rehabilitation of (16) sixteen sanitary sewer manhole structures located on Mission Road and River Road.

Resolved by _____ Seconded by _____

Yes:
No:
Absent:



5228 South Isabella Road
 Mt. Pleasant, MI 48858
 989-772-4600 ext. 224 (phone)
 989-773-1988 (fax)
 ksmith@uniontownshipmi.com

Bid Tabulation Sheet

Project: 2020 Manhole Rehabilitation Project

Due Date: March 18, 2020 @ 10:30 a.m.

Bidder	Bid Bond	Amount
Plummers Environmental	✓	\$127,595.00

Kimberly Smith 3-18-2020

Shawn McBride 3-18-2020

ADVERTISEMENT TO BID

Charter Township of Union

2010 S. Lincoln Road

Mount Pleasant, MI 48858

Separate sealed Bids for the rehabilitation of sixteen (16) sanitary sewer manholes located in the Charter Township of Union will be received by the Charter Township of Union at the Charter Township of Public Service Administration Building located at, 5228 S. Isabella Road, Mount Pleasant MI 48858 until 10:30 AM Local Time, March 18, 2020 and then at said location publicly opened and read aloud.

The Contract Documents may be examined at the following locations:

Township Website - www.uniontownshipmi.com/departments/publicservice/rfp

Bids received after the above date and time will not be considered. Fax/emailed transmittals of Bids will not be accepted.

The Owner reserves the right to waive any informalities or to reject any or all Bids.

No Bidder may withdraw their Bid within 60 days after the actual date of Bid opening.



RFP

Charter Township of Union 2020 Sanitary Sewer Manhole Rehabilitation Request for Proposal (RFP)

Sealed Bids for the rehabilitation of sixteen (16) sanitary sewer manholes will be received by the **Charter Township of Union**, at the Water Treatment facility located at **5228 South Isabella Road, Mt. Pleasant, MI 48858**, until **10:30 AM** local time on **March 18, 2020** at which time the Bids received will be publicly opened and read.

Mail or Deliver Sealed Proposals to:

2020 – Rehabilitation of Sanitary Manhole Structures
Department of Public Services
Attention: Kim Smith, Public Service Director
Charter Township of Union
5228 South Isabella Road
Mt. Pleasant, MI 48858

General Scope:

The Charter Township of Union is soliciting requests from qualified contractors to complete the following work:

The project will include all work, materials and equipment required for the cured in place (CIP) structural rehabilitation of sixteen (16) sanitary sewer manhole structures located in The Charter Township of Union Township. The sixteen (16) manholes are located on River Road, Mission Road, and within a twenty-foot easement located between Mission Road and River Road. The purpose is to clean, vacuum, and inspect sanitary sewer manholes as well as eliminate infiltration, repair voids, restore structural integrity and provide corrosion protection by the application of a specified resin cure in place liner to the wall and bench surfaces of brick/concrete structures or structures produced with any other masonry construction material. These structures include, but are not limited to manholes.

The information contained below are the specific qualifications each contractor must meet in order to provide an accurate proposal. Attachments include Sanitary Sewer Structure Rehabilitation 2020 Manhole Map, Bid Sheet, and Technical Specifications.

Requirements - General:

- Work must comply with all applicable federal, state and local laws and regulations
- All equipment and materials shall be compliant with manufacturers recommendations and the Township Standard Specifications and Details
- Contractor shall be responsible for obtaining all local regulatory permits (including fees) which may include but is not limited to MDOT, and Isabella County Road Commission.
- Date of completion to be within 45 consecutive calendar days of receipt of Notice to Proceed or as coordinated with Township Staff.
- Provide in addition to all other manufacturer warranties, a (1) year full labor and material warranty on all workmanship, material and equipment furnished for this project.



- Prospective bidders are recommended to conduct a site visit prior to bidding although not required. All site inspections must be scheduled with the Township at least seven (7) days prior to the bid due date.

Terms of Agreement:

General:

- To hold bid open for 60 consecutive calendar days from the bid due date
- To enter into and execute a contract with Charter Township of Union
- References:
 - Provide minimum of three (3) references of similar municipality projects located within Michigan and have been completed within the last five (5) years.

Insurance:

- Contractor will have Worker's Compensation Insurance in limits required by state law and Comprehensive General Liability Insurance coverage in force for all of its operations under this contract. Township and DPW shall be listed as additional insureds on policy. A copy will be provided to the Township prior to commencing work.

Bonds:

- The Contractor shall include in the proposal price the cost to provide the following:
 - Letter of Surety and licensed to do business in the State of Michigan.

Shop Drawing Submittals:

- Provide one hard and one pdf copy of material specification sheets, and warranty information to Township. Do not proceed until written approval is received

Services / materials to be provided:

Contractor shall provide all equipment, and materials necessary to complete the work described herein. The scope of work shall include but shall not be limited to the following.

- Manhole Rehabilitation of 16 sanitary sewer structures
 - Refer to the attached Drawing and Technical Specifications for additional information.
- General
 - Mobilization, site restoration and cleanup
 - Coordination of delivery and unloading of equipment and materials
 - Contractor shall conduct all work so as to not interfere with the existing system operations.
 - Field investigation to confirm material type prior to performing work.
 - Coordination with Township Staff and DPW

Additional Services / Materials to Be Included:

- Contractor shall be responsible to coordinate and provide construction schedule and minimum 48-hour notice before commencing work.
- Coordination with property owners



Contractors Proposal Form

Bidders are instructed to submit bids for this project on a per item basis.

All bid items are tax inclusive. All work shall be in compliance with DPW Specifications, details, drawings, and terms identified in the RFP and applicable laws.

The following bid tabulation sheet is per item and the Township reserves the right to accept and/or reject any or all portions of the proposal.



Department of Public Services
5228 South Isabella Road
Mt. Pleasant, MI 48858

Phone (989) 772600 ext. 224
Fax (989) 773 1988
E Mail ksmith@uniontownshipmi.com

2020 - REHABILITATION OF SANITARY SEWER MANHOLE STRUCTURES SPECIFICATION

SECTION 1: GENERAL

1.01 DESCRIPTION

This specification includes all work, materials and equipment required for the structural rehabilitation of sixteen (16) sanitary sewer manhole structures located in The Charter Township of Union Township. The sixteen (16) manholes are located on River Road, Mission Road, and within a twenty-foot easement located between Mission Road and River Road. The purpose is to clean, vacuum, and inspect sanitary sewer manholes as well as eliminate infiltration, repair voids, restore structural integrity and provide corrosion protection by the application of a specified cure in place liner to the wall and bench surfaces of brick/concrete structures or structures produced with any other masonry construction material. These structures include, but are not limited to manholes.

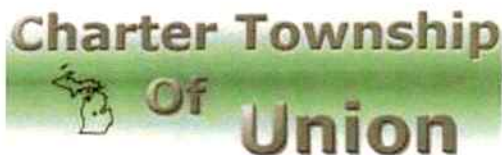
1.02 QUALITY ASSURANCE

- A. Furnish materials of quality required by the American Society for Testing and Materials (ASTM) standards or other approved standards and specifications.
- B. Provide guarantee against defective materials and workmanship in accordance with the requirements of these specifications.
- C. The contractor installing the finished protective liner will be a certified trained applicator of the specified processes. Contractor must include with bid documents at least three verifiable references of projects completed within the last five years using the specified materials.
- D. Provide verifiable independent third-party creep test, and/or holiday/spark test results documenting no less than 70% retention of flexural modulus of elasticity after 50 years of service. The third-party testing firm may not be affiliated with the manufacturer in any way.

1.03 REFERENCES

American Society for Testing and Materials (ASTM) Annual Book of Standards:

- A. ASTM D638-91: Test Method for Tensile Properties of Plastics.
- B. ASTM D790-91: Test Methods for Flexural Properties of Unreinforced and reinforced Plastics and Electrical Insulating Materials.
- C. ASTM D638 - Tensile Properties of Plastics.
- D. ASTM D790 - Flexural Properties of Unreinforced and Reinforced Plastics.
- E. ASTM D695 - Compressive Properties of Rigid Plastics.
- F. ASTM D4541 - Pull-off Strength of Coatings Using a Portable Adhesion Tester.
- G. ASTM D2584 - Volatile Matter Content.



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- H. ASTM D543 - Resistance of Plastics to Chemical Reagents.
- I. ASTM C109 - Compressive Strength Hydraulic Cement Mortars.
- J. ACI 506.2-77 - Specifications for Materials, Proportioning, and Application of Shotcrete.
- K. ASTM C579 - Compressive Strength of Chemically Setting Silicate and Silica Chemical Resistant Mortars.
- L. SSPC SP-13/NACE No. 6 – Surface Preparation of Concrete
- M. ASTM - The published standards of the American Society for Testing and Materials, West Conshohocken, PA.
- N. NACE - The published standards of National Association of Corrosion Engineers (NACE International), Houston, TX.
- O. SSPC - The published standards of the Society of Protective Coatings, Pittsburgh, PA.
- P. ASTM D-4787 D5162 – Holiday/spark testing
- Q. NACE RPO 188-88 -Holiday/spark testing

1.04 PROJECT/SITE CONDITIONS

Coordinate with the Utility Foreman, MDOT, City of Mt. Pleasant, and the Isabella County Road Commission for traffic control and all required permitting during rehabilitation work at each designated location. All permitting is the responsibility of the contractor and a copy of all required permits must be provided to the Charter Township of Union prior to work commencing.

1.05 SEQUENCING

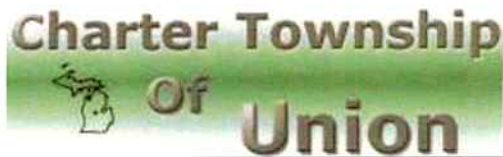
No interruptions of flow through manholes, wet wells, pump stations or any other portion of the plant or sanitary sewer system shall be allowed, if interruption of flow is required bypass pumping shall be utilized. All bypass pumping and method of bypass pumping shall be coordinated with and approval received from the Utility Foreman prior to the interruption.

SECTION 2: PRODUCTS

2.01 MATERIALS

- A. Infiltration Control mix:
 - 1. Minor Infiltration.
 - a. Cementitious Grout (De Neef Industrial Products)

A rapid-setting cementitious grout or chemical grout specifically formulated for leak control should be used to stop minor water infiltration. It should be mixed and applied according to the manufacturers recommendations and should meet the following minimum requirements.



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Compressive strength	ASTM C 109	1,800 psi @ ½ hr 4,000 psi @ 24 hrs 5,000 psi @ 7 days
Tensile strength	ASTM C 190	300 psi @ 7 days 350 psi @ 28 days

2. Very Active Infiltration

a. Chemical Grout (DC Neef Industrial Chemicals)

- 1). A chemical grout must be used for stopping very active infiltration, filling voids and should be mixed and applied according to manufacturer's recommendations. The cementitious grout should be volume stable having a minimum 1-day compressive strength of 50 psi and a 28-day compressive strength of 250 psi.
- 2). Chemical grouts can be used for stopping very active infiltration and should be mixed and applied per manufacturer's recommendations.

B. Patching and profiling mix:

1. Cementitious Compound (Strong Seal or equivalent product)

A quick setting cementitious material can be used to bring the substrate to profile by filling voids, cracks, missing mortar and other substrate defects. It should be mixed and applied according to the manufacturers recommendations and should meet the following minimum requirements.

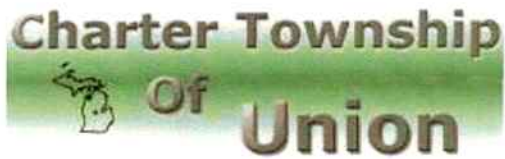
Compressive strength	ASTM C 109	1000 psi @ 1 hr 3500 psi @ 48 hrs 5000 psi @ 28 days
Tensile strength	ASTM C 307	200 psi @ 24 hrs 300 psi @ 7 days

C. Resin Based Liner:

1. The resin-based material shall be used to form the cured in place on structural enhanced monolithic liner covering all interior surfaces of the structure including benches and inverts of manholes. The finished liner shall be approved and conform to the minimum physical requirements listed below.

Cured in Place Liner

Compressive strength	ASTM D 695	21,000 psi min
Tensile strength	ASTM D 638	35,000 psi min
Flexural strength	ASTM D 790	35,000 psi min
Bond		Shall exceed tensile strength of substrate
Flexural modulus (initial)	ASTM D 790	1,500 MPsi min
Density		62.4 # / pcf



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- a. The finished structure shall be corrosion resistant to: Hydrogen Sulfide; 200% sulfuric Acid; 170% Nitric Acid; 5% Sodium Hydroxide; road salts for winter conditions as well as other common ingredients of the sanitary sewage environment.
- b. The wall of the liner will be structurally designed to withstand the hydraulic load generated by the groundwater table & restore structural integrity. The long term (50 yr.) value of the flexural modulus of elasticity will be a minimum of 500,000 psi and is an integral part of the engineering equation used to design the wall thickness of the structural liner.

For this reason, the value of the long-term flexural modulus of the proposed product will be certified by an independent, third party testing lab and submitted with the design calculations for each individual structure.

Definition- Long term value will be identified as initial flexural modulus less the reduction in value caused by Creep over a fifty (50) year minimum period and verified by DMA testing.

2. Other Materials: Because of the advantages associated with rapid cure and infinite thickness capabilities, no resin-based materials shall be used to achieve the structural enhancement without prior approval of the Utility Foreman or Public Service Director.

SECTION 3: EXECUTION

3.01 INSPECTION

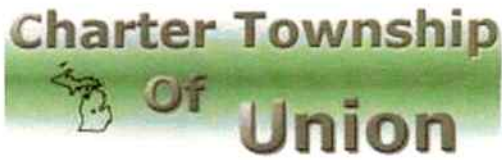
- A. Evaluation of Atmosphere: Prior to entering structures, an evaluation of the atmosphere will be conducted to determine the presence of toxic, flammable vapors or possible lack of oxygen. The evaluation shall be in accordance with local, state or federal safety regulations.

3.02 PREPARATION

- A. Place covers over all pipe openings to prevent extraneous material from entering the sewer system. All foreign material shall be removed from the structures wall and bench floor using a pressure water spray (minimum 2500 psi). The use of acid for cleaning purposes, no matter how dilute, will not be allowed. Loose or protruding brick, mortar and concrete shall be removed by using a mason hammer and chisel. All previous coating materials and rubber chimney seals must be removed as part of the preparation process and prior to installation of new liner. Fill any large voids with quick setting patch mix as described in Paragraph (2.01 IIA). The surface to be repaired must be clean and free of any loose materials.
- B. Minor leaks shall be stopped using the quick-setting specially formulated infiltration control mix (paragraph 2.01 IA) and shall be mixed and applied per manufacturer's recommendations. When severe infiltration is present, drilling may be required in order to pressure grout outside the structure using either a cementitious or chemical grout (paragraph 2.01 IB). Manufacturer's recommendations shall be followed when pressure grouting is required.

3.03 INSTALLATION/APPLICATION

- A. Application Temperatures: Application of liner shall not be made unless the ambient temperature inside the structure is 50 degrees or higher. All material specifications for temperature must be met.



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- B. Bench, Invert Repair:
1. The manhole bench must be sprayed/cured in place but depending on availability and future plans, some judgment consideration will have to be made regarding the invert. Important issue here is the necessity to ensure a monolithic system is achieved.
 2. After bypass pumping of the flow and thorough cleaning preparatory work has been achieved. The cured in place resin-based liner shall be applied to the invert, bench and wall areas in the same manner as specified for the liner application below. The cured in place liner shall be applied such that the entire structure receives a structurally enhanced monolithic liner.
 3. The finished invert surfaces shall be smooth, free of ridges and will be sloped in the direction of flow. Special care shall be used to ensure a smooth transition between the new manhole invert and intersecting pipeline inverts such that flow will not be impaired.
- C. Liner Application: The resin-based liner shall be cured in place to all surfaces by a trained technician who is experienced in the application of a sprayed or cured in place applied liner and has been certified by the manufacturer. Liner will be applied in accordance to all manufacturer and material specifications. Appropriate personal protection equipment shall be utilized but, in every case, when applying the liner in place, the sprayer and all other personnel in direct contact with the spray atmosphere, will always be protected by supplied air.
- The minimum thickness of the material applied is to be no less than 250 mils (1/4") in order to support structural integrity. No other products such as cement or grouts may be used as part of the structural reinstatement, however, said products may be used as part of the repair process prior to sprayed application of the structure as specified in Section 2.
- Application of the cured in place liner applied material must be completed in one (1) mobilization in order to minimize the disruption and cost of excessive bypassing, pipeline plugging, traffic control and all other support services.
- The finished manhole must be returned to full service immediately after the cured in place liner application is complete.
- D. Curing: The structure should be allowed to cure for 24 hours and return to ambient temperature prior to any physical testing, including vacuum testing, and/or holiday/spark testing.

3.04 FIELD QUALITY CONTROL

- A. The following test/inspection will be performed by the Utility Foreman.
1. Visually verify the absence of leaks from infiltration.
- B. The following tests shall be performed by the Contractor.
1. Vacuum Test: A vacuum test conforming to the requirements of ASTM C1244 shall be performed for every spray lined manhole or circular structure where practical.
 2. Holiday/Spark Test: A holiday/spark test conforming to the requirements of ASTM D4787 & D-5162 shall be performed for every cured in place manhole or circular structure where practical.



Department of Public Services
5228 South Isabella Road
Mt. Pleasant, MI 48858

Phone (989) 772600 ext. 224
Fax (989) 773 1988
E Mail ksmith@uniontownshipmi.com

Bids Due:

March 18, 2020 10:30 a.m.

Address Sealed Bids to:

Charter Township of Union
Attn: Kim Smith – Public Service Director
5228 South Isabella Road
Mt. Pleasant MI 48858

Inquiry:

Kim Smith – Public Service Director
ksmith@uniontownshipmi.com (989)772-4600 ext. 224
John Bebow – Utility Foreman
jbebow@uniontownshipmi.com

The Charter Township of Union reserves the right to accept or reject all bids that are received.
No Bidder may withdraw their Bid within sixty (60) days after the actual date of Bid opening.

**2020 SANITARY SEWER MANHOLE REHABILITATION –
BID SHEET**

Proposal of Plummer's Environmental Services

(Hereinafter called "Bidder"), organized and existing under the Laws of the State of Michigan _____, doing business as Corporation*,
to Charter Township of Union, Isabella County MI.

In compliance with your Request for Bids, Bidder hereby proposes to perform Work for the rehabilitation of Sixteen (16) Sanitary Sewer Manholes in strict accordance with the Contract Documents within the time set forth therein and at the prices stated below.

By submission of this Bid, each Bidder certifies, and in the case of a joint Bid, each party thereto certifies as to his own organization that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.

Bidder hereby agrees to commence Work under this Contract on or before a date to be specified in the Notice to Proceed and to substantially complete the Project within 45 consecutive calendar days thereafter, and fully complete Project (including restoration, punch list items, and close-out documents) within 30 days of Substantial Completion. Bidder further agrees to pay as liquidated damages, the sum of \$500.00 for each consecutive calendar day thereafter.

Bidder hereby agrees to also pay for the actual costs to the Owner for Resident Project Representative and Project management services and all additional inspection costs beyond the Contract completion date established by the "Notice to Proceed".

Bidder agrees to perform all Work in the Contract Documents for the following prices:

Manhole Number	Rehabilitation Description	Unit	Item Cost
MH#3-MIS	Cleaning, debris removal, leak stop, spray resin coating	1	\$5,716.00
MH#4-MIS	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$7,671.00
MH#05	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$8,066.00
MH#6	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$5,431.00
MH#7	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$5,563.00
MH#8	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$5,563.00
MH#9	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$8,842.00
MH#10	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$8,015.00
MH#11	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$8,154.00
MH#12	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$6,873.00
MH#13 RIV	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$8,469.00
MH#14 RIV	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$8,425.00
MH#15 RIV	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$11,660.00
MH#16 RIV	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$9,611.00
MH#17 RIV	Cleaning, debris removal, leak stop, cured in place liner (CIP) Place Liner (CIP)	1	\$9,706.00

Manhole Number	Rehabilitation Description	Unit	Item Cost
MH#4 WWTP	Cleaning, debris removal, leak stop, cured in place liner (CIP)	1	\$9,830.00
	Total	16	\$127,595.00

One hundred twenty seven thousand five hundred ninety five dollars and zero cents.

Amount of Bid in Words

Respectfully submitted,

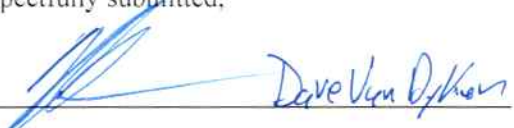
Seal if Bid is by a Corporation

ATTEST:

Brown Bales

Controller

Title



Signature

Plummer's Environmental Services

Name of Contractor

10075 Sedroc Ind. Dr. Byron Center, MI 49315

Address

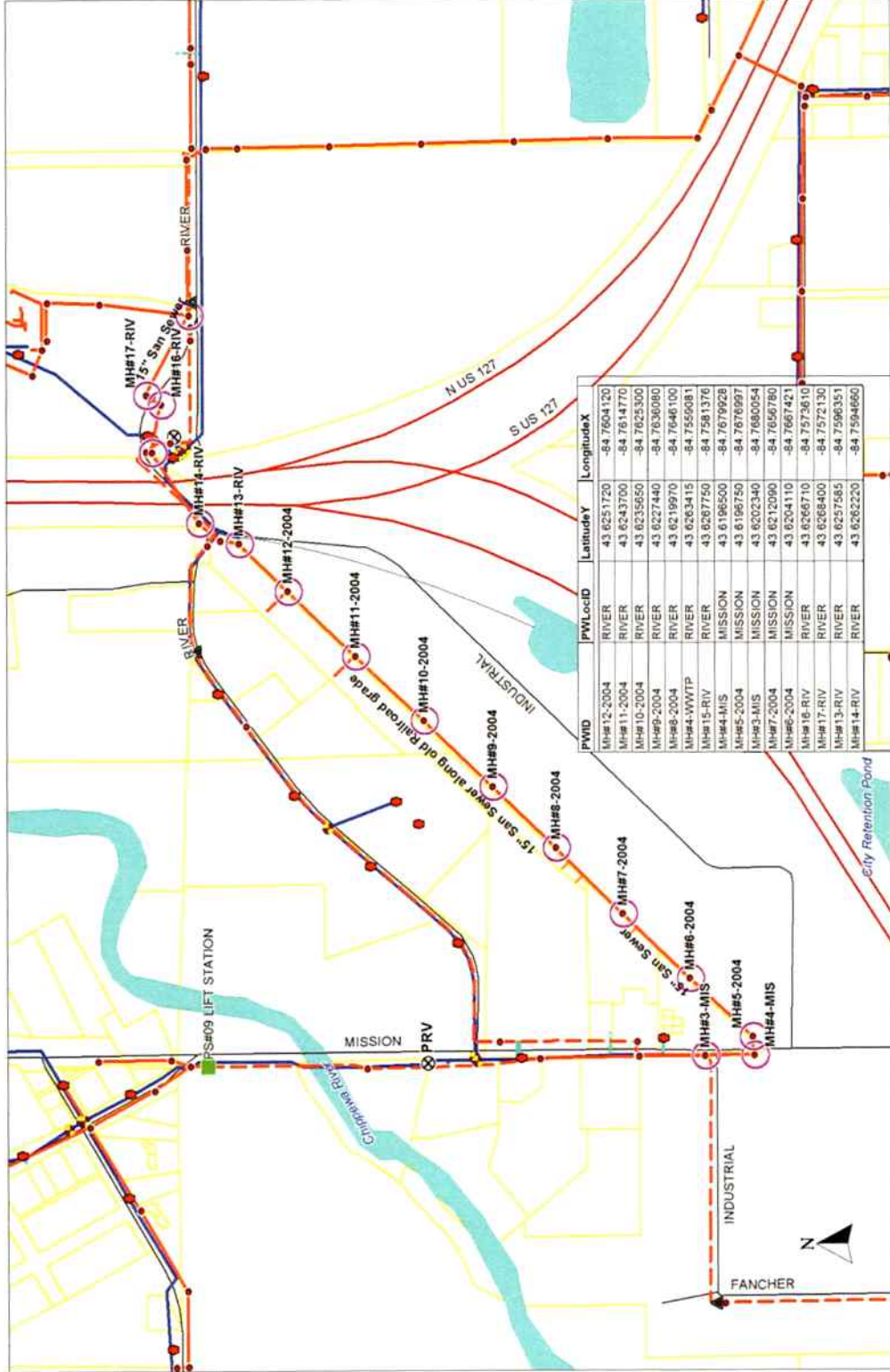
Union Township 2020 Proposed Sanitary Manhole Rehabilitation

MH #3 on Mission will need to be spray coated approx. 7.4 vertical feet due to force main dumping into this structure. The remaining 15 manholes all need cured in place liners (approx. 167 vertical feet).

Map Date: February 18, 2020

Utilities Legend

- Sewer Valve
- Sewer Air Valve
- Manhole
- Lift Station
- Sewer Lead
- Water Curbstop Box
- Hydrant
- Pressure Reducing Valve
- Water Tank or Tower
- Water Valve
- Production Well
- Water Main
- Water Lateral
- Sewer Gravity Main
- Sewer Force Main
- Sewer Lateral
- Railroad
- Township Parcel
- Proposed Manhole Rehab



American Institute of Architects

AIA Document A310

Bid Bond


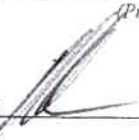
KNOW ALL MEN BY THESE PRESENTS, that we, Plummer's Environmental Services, Inc., as Principal, hereinafter called the Principal, and Employers Mutual Casualty Company, duly organized under the laws of the State of Iowa, as Surety, hereinafter called the Surety, is held and firmly bound unto Charter Township of Union as Obligee, in the sum of Five Percent of the Bid Amount (5% of the Bid Amount), for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.


WHEREAS, the Principal has submitted a bid for: 2020 Sanitary Sewer Manhole Rehabilitation

Bid Date: March 18, 2020

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and materials furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 13th day of March, A.D. 2020.


(Witness)
Plummer's Environmental Services, Inc.
(Principal)
By: 
General Manager
(Title)
(Seal)


Gobby Puente
(Witness)
Employers Mutual Casualty Company
(Surety)
Laura J. Northouse
Attorney -in-Fact
(Seal)



POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

KNOW ALL MEN BY THESE PRESENTS, that:

1. Employers Mutual Casualty Company, an Iowa Corporation
2. EMCASCO Insurance Company, an Iowa Corporation
3. Union Insurance Company of Providence, an Iowa Corporation
4. Illinois EMCASCO Insurance Company, an Iowa Corporation
5. Dakota Fire Insurance Company, a North Dakota Corporation
6. EMC Property & Casualty Company, an Iowa Corporation

hereinafter referred to severally as "Company" and collectively as "Companies", each does, by these presents, make, constitute and appoint:

Laura J. Northouse

its true and lawful attorney-in-fact, with full power and authority conferred to sign, seal, and execute the Bid Bond

In an amount not exceeding Ten Million Dollars\$10,000,000.00

and to bind each Company thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of each such Company, and all of the acts of said attorney pursuant to the authority hereby given are hereby ratified and confirmed.

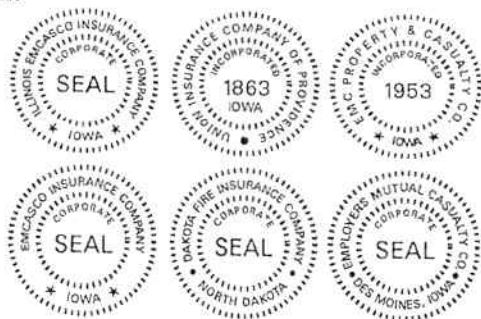
AUTHORITY FOR POWER OF ATTORNEY

This Power-of-Attorney is made and executed pursuant to and by the authority of the following resolution of the Boards of Directors of each of the Companies at the first regularly scheduled meeting of each company duly called and held in 1999:

RESOLVED: The President and Chief Executive Officer, any Vice President, the Treasurer and the Secretary of Employers Mutual Casualty Company shall have power and authority to (1) appoint attorneys-in-fact and authorize them to execute on behalf of each Company and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof; and (2) to remove any such attorney-in-fact at any time and revoke the power and authority given to him or her. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power-of-attorney issued to them, to execute and deliver on behalf of the Company, and to attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and any such instrument executed by any such attorney-in-fact shall be fully and in all respects binding upon the Company. Certification as to the validity of any power-of-attorney authorized herein made by an officer of Employers Mutual Casualty Company shall be fully and in all respects binding upon this Company. The facsimile or mechanically reproduced signature of such officer, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power-of-attorney of the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS THEREOF, the Companies have caused these presents to be signed for each by their officers as shown, and the Corporate seals to be hereto affixed this 1st day of July, 2018.

Seals



Bruce G. Kelley

Bruce G. Kelley, CEO, Chairman of Companies 2, 3, 4, 5 & 6; President of Companies 1, 2 & 6; Treasurer of Companies 1, 2, 3, 4 & 6

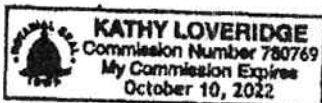
Todd Strother

Todd Strother
Senior Vice President

On this 1st day of July, 2018 before me a Notary Public in and for the State of Iowa, personally appeared Bruce G. Kelley and Todd Strother, who, being by me duly sworn, did say that they are, and are known to me to be the CEO, Chairman, President and Treasurer, and/or Senior Vice President, respectively, of each of the Companies above; that the seals affixed to this instrument are the seals of said corporations; that said instrument was signed and sealed on behalf of each of the Companies by authority of their respective Boards of Directors; and that the said Bruce G. Kelley and Todd Strother, as such officers, acknowledged the execution of said instrument to be their voluntary act and deed, and the voluntary act and deed of each of the Companies.

My Commission Expires October 10, 2022.

Kathy Loveridge
Notary Public in and for the State of Iowa



CERTIFICATE

I, James D. Clough, Vice President of the Companies, do hereby certify that the foregoing resolution of the Boards of Directors by each of the Companies, and this Power of Attorney issued pursuant thereto on 1st day of July, 2018, are true and correct and are still in full force and effect.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 13th day of March, 2020.

J D Clough
Vice President

REQUEST FOR TOWNSHIP BOARD ACTION

To: Mark Stuhldreher, Township Manager **DATE:** March 9, 2020
FROM: Kim Smith, Public Service Director **DATE FOR BOARD CONSIDERATION:** March 25, 2020
ACTION REQUESTED: Consideration to approve four (4) contracts with the Isabella County Road Commission (ICRC) for the rehabilitation of four (4) miles of gravel roads within the Township in the amount of \$54,000, and authorize the Township Manager to sign said contracts.

Current Action **X** Emergency

Funds Budgeted: If Yes \$40,000 Account # 101-441-967.000 No \$14,000

Finance Approval **MDS**

BACKGROUND INFORMATION

As part of the annual gravel road maintenance program, the ICRC and the Township partner to rehabilitate several miles of gravel road annually. The ICRC and the Township split the cost of two (2) miles equally while the Township pays for all of the other two (2) miles. The aggregate cost share is 75% Township and 25% ICRC. The 2020, cost per mile for gravel resurfacing is \$18,000.

For 2020, the ICRC recommends that following two (2) miles of road be serviced:

- Meridian Road – Deerfield Road to Wing Road
- Lincoln Road – Deerfield Road to Millbrook Road
- Craighill Road – River Road to Mission Road

For 2020, the remaining two (2) miles of roads to be serviced is yet to be determined by the Township Board of Trustees. A map has been provided which identifies all the primary and secondary roads in Union Township. The gravel roads that have been previously completed are identified by year.

SCOPE OF SERVICES

These contracts provide for the overlay of 1,000 ton of 23-A modified gravel per mile.

JUSTIFICATION

The approval of these contracts will continue to improve the conditions of roads throughout the Township.

PROJECT IMPROVEMENTS

The following Board of Trustees goals are addressed with these appointments (From Policy 1.0: Global End)

- Community well-being and common good
- Prosperity through economic diversity, cultural diversity , and social diversity
- Safety

COSTS

The Township’s cost share for these contracts is \$54,000 with the ICRC contributing \$18,000. At the time of budget adoption, it was estimated that the Township share would be \$40,000. As such, a budget amendment will be needed in the amount of \$14,000 which will be included in budget amendment #1. This action item is anticipated to be an agenda item in June of 2020.

PROJECT TIME TABLE

The road improvements will occur during the 2020 construction season.

RESOLUTION

It is Resolved to approve four (4) contracts with the Isabella County Road Commission (ICRC) for the rehabilitation of four (4) miles of gravel roads within the Township in the amount of \$54,000, and authorize the Township Manager to sign said contracts for the following four miles.

- Meridian Road – Deerfield Road to Wing Road
- Lincoln Road – Deerfield Road to Millbrook Road
- Craighill Road – River Road to Mission Road
- TBD
- TBD

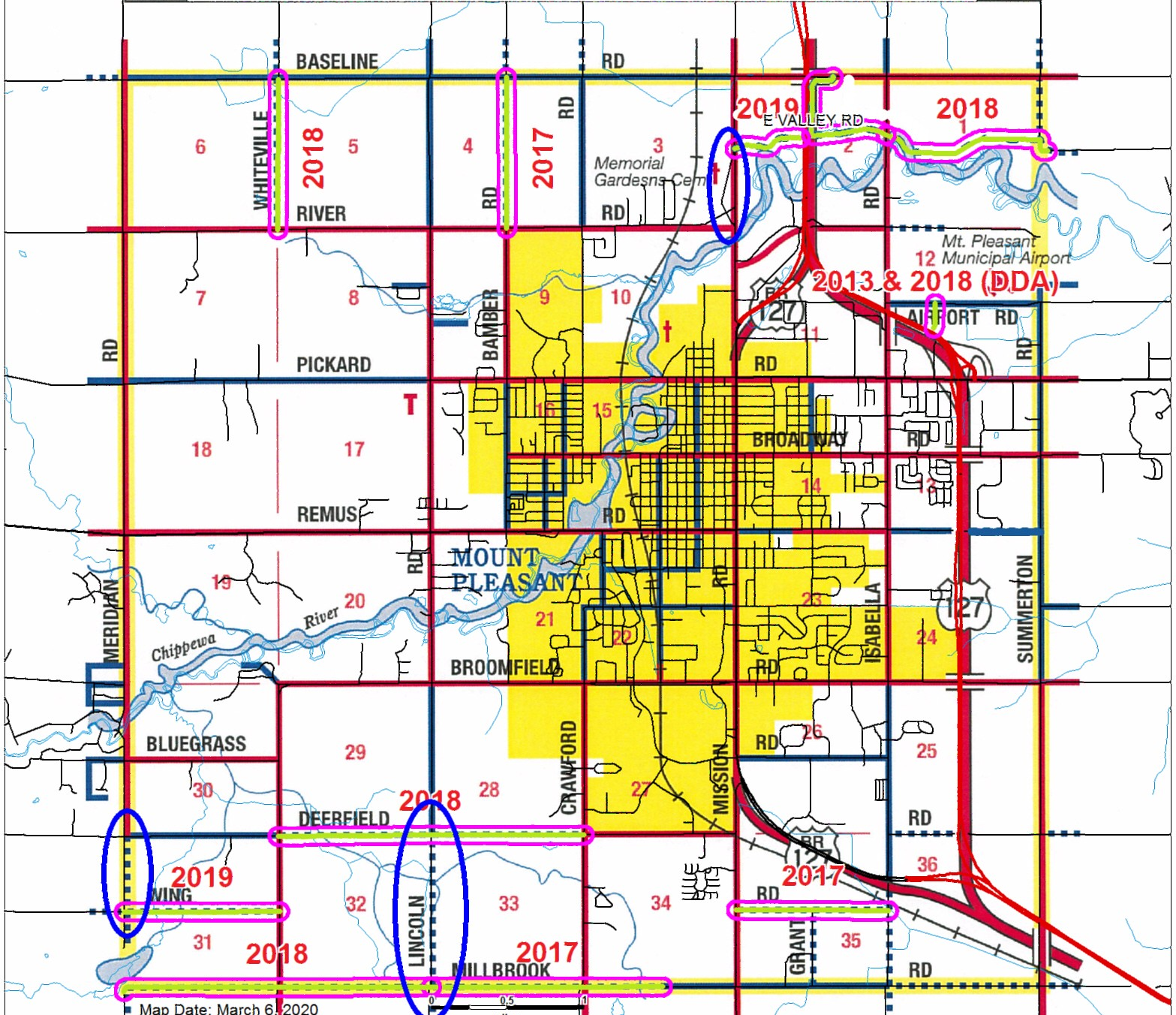
Moved by _____ Seconded by _____

Yes:
No:
Absent:

UNION TOWNSHIP

PRIMARY		SECONDARY		Other Features	
	Paved Roads		Adjacent County Jurisdiction		Divided Highways
	Gravel Roads				Railroads
	Pere-Marquette Rail-Trail (Proposed)				Section Lines
					Township Boundaries
					Township Hall
					Cemetery

- Township Gravel Roads (with year label)
- 300 foot buffer



Map Date: March 6, 2020

- Data Source: Isabella County Road Commission
 Recommendations:
- o Meridian Road - Deerfield Road to Wing Road
 - o Lincoln Road - Deerfield Road to Millbrook Road
 - o Craighill Road - River Road to Mission Road

2020 ICRC
 Recommendation for
 2 miles of Gravel



REQUEST FOR TOWNSHIP BOARD ACTION

To: Board of Trustees	DATE: March 17, 2020
FROM: Mark Stuhldreher, Township Manager	DATE FOR BOARD CONSIDERATION: 3/25/2020
ACTIONS REQUESTED: Second Reading and adoption of the proposed Extraction Ordinance.	

Current Action Emergency

Funds Budgeted: If Yes Account # No N/A

Finance Approval

BACKGROUND INFORMATION

Required Public Notice under the Charter Township Act:

Publication of the Introduction and First Reading of the proposed Extraction Ordinance was made pursuant to the requirements of the Charter Township Act (Public Act 359 of 1947, as amended) by publishing a notice and summary of the ordinance on Tuesday, March 17, 2020 in the Morning Sun newspaper, and by posting the notice and a true copy of the proposed Ordinance at the Township office and on the Township’s website. The published notice included the following notice of the date of the required Second Reading:

Notice is hereby given that the first reading of the proposed Extraction Ordinance was made at the regular meeting of the Charter Township of Union Board of Trustees on March 11, 2020. The ordinance will be considered for the second reading and adoption at the regular Board of Trustees meeting on March 25, 2020, which will be held at 7:00 p.m. in the Township Hall Board Room at 2010 South Lincoln Road, Mt. Pleasant, MI 48858.

Additional Information for the Second Reading:

A review of a recent state directory of mineral producers found a total of 13 sand and gravel extraction operation sites in Isabella County, which are run by seven separate operators. None of the extraction operation sites in this database are in or near Union Township:

1. Hardcrete, Inc. has an existing operation in the northwest part of the county.
2. Hubscher & Son, Inc. has their main office in the City of Mt. Pleasant, and has four existing extraction operation sites on the west side of the county.
3. Kenny Trucking & Excavating is listed as having an extraction operation in the south-southeast part of the county.
4. Malley Construction, Inc. has their main office in Union Township, and has an existing extraction operation site in the northeast part of the county.
5. Mt. Pleasant Central Concrete Products Company, Inc. has their main office in Union Township and has an existing extraction operation site on the east side of the county.

6. RG Torpey Excavating has an existing operation in the northwest part of the county.
7. WDS Enterprises, Inc. has two existing operations in the southeast part of the county.

Many of these operations are under Isabella County's jurisdiction. The county's mineral extraction industry regulations (Section 12.05X of the County Zoning Ordinance) were originally adopted in the early 1990s and include the following provisions:

- Mining plan. The basic elements of a mining plan are required, but with minimal guidance for plan preparation to ensure that the data needed for an informed decision is available in an understandable and consistent format.
- Reclamation and end use plans. There are provisions for adding topsoil to reclaimed areas, but only very limited provisions to ensure adequate reclamation and viable future use of the site.
- Setbacks. No excavation within 150 feet of a residence, and within 100 feet of a property line or road right-of-way.
- Slope. The reclaimed slope of the land shall not be steeper than one (1) foot vertical for every four (4) feet of horizontal distance (1:4).
- Hours of operation. 6:00am – 10:00pm, with no restrictions on weekends or holidays and no guidelines for emergency hours.
- Visual screening. A six (6) foot high privacy fence around the perimeter is required. There is also a reference to "proper use of berms, walls, and natural planting screens," with a reference to limited and somewhat outdated landscaping standards.
- Protection of wells and water quality. There are no provisions for protection of nearby wells and water quality during mining activities below the water table.
- Haul route. The ordinance requires that all truck operations be directed away from residential streets "whenever practical," with no guidance for implementation of this exception. There are no requirements for approval of a dedicated haul route, or for clean-up of dust, dirt, and other debris on the public roads from trucks leaving the site.
- Environmental impacts.
 - There are statements in the ordinance that "noise and vibration shall be minimized" and "air pollution in the form of dust and dirt shall also be kept to a minimum," but no guidance or standards for how to achieve these goals.
 - There is also a statement that the landowner or permit holder is responsible for using "safe ecological conservation practices," but no guidance or standards for what that means or how it should be applied.
 - There are no restrictions on stockpile locations or provisions to minimize off-site impacts from dust, sand, and other wind-blown materials.
 - There are no restrictions on the types of material that could be imported as fill.

The proposed Charter Township of Union Extraction Ordinance includes all of these same elements, but with up-to-date standards designed to address the full range of potential impacts from future extraction operations. The proposed Ordinance standards are proportional in scope to the extent of the operation and associated needs for reasonable protection of the environment, adjacent properties, nearby residents, and the infrastructure of the Township.

Update on the status of the Zoning Ordinance amendment: A corresponding amendment to the Township Zoning Ordinance has been drafted to replace the special use permit requirement for extraction operations with references to the new Extraction Ordinance. This amendment was scheduled for a Planning Commission public hearing on March 17, 2020, but the meeting was cancelled by the Chair after due consideration of the current COVID19 virus outbreak and uncertainty of having a quorum of members present. The hearing will be rescheduled for a future meeting as soon as possible, and the proposed amendment will be forwarded to the Board of Trustees separately for final consideration and adoption in accordance with the procedures and requirements of the Michigan Zoning Enabling Act.

During any interim period between adoption of the new Extraction Ordinance and final action on the corresponding Zoning Ordinance amendment, any conflict between the new Ordinance and the current zoning regulations would be resolved in accordance with Section 25 (Repeal) of the new Ordinance, which confirms the repeal of any conflicting Township ordinance or part thereof “to the extent necessary to give this (Extraction) Ordinance full force and effect.”

Background Information from the First Reading:

It is recognized that sand, gravel, and other non-metallic minerals within the Township’s boundaries are non-renewable natural resources necessary and beneficial to the welfare of community and the surrounding region. These resources are widely used for building and road construction, and by necessity are locally sourced. However, sand and gravel pits and other extraction operations have the potential to impact the health, safety, environment, and general welfare of persons and property within the Township. Recognizing these potential impacts, the Board of Trustees placed a temporary moratorium on such operations in order to allow time to study and potentially update existing Township regulations for these operations.

Staff and the Township Attorney have worked together to prepare a proposal to remove regulation of sand and gravel pits and other extraction operations out of the Zoning Ordinance by establishing a new ordinance adopted under provisions of the Charter Township Act, which is intended to protect the public health, safety, and general welfare by establishing standards and permit approval procedures for extraction of non-metallic minerals on land in the Township, requirements and financial guarantees for proper reclamation of the land at the conclusion of extraction activities, and administrative procedures and inspection requirements to verify that all extraction operations and reclamation activities are completed in accordance with approved plans and ordinance requirements.

Staff has recommended that the regulations be moved out of the Zoning Ordinance for several reasons: First, the Michigan Zoning Enabling Act places a specific limit of 300 feet as the maximum distance around a parcel for mailing of special use permit public hearing notices. This is an acceptable distance for most special use permit applications because the potential impacts of the use are primarily limited to the immediate neighboring parcels and residents. However, extraction operations have the potential to adversely impact properties and residents well beyond this 300-foot distance. By establishing a separate regulatory ordinance, the Township has the option to establish public hearing notice requirements that better reflect the potential impacts of the operation (see Section 6.7).

In addition, section 208 (Nonconforming uses...) of the Michigan Zoning Enabling Act requires that, *“If the use of...land is lawful at the time of enactment of a zoning ordinance (or amendment), then that use may be continued although the use does not conform to the zoning ordinance or amendment.”* This provision is intended to “grandfather in” certain existing land uses that were lawfully established but no longer conform to current Zoning Ordinance requirements – to protect the legal nonconforming use from the need to comply with updated zoning standards.

There are at least two sites in the Township from which some sand or gravel extraction has taken place in the past. Staff is currently researching the available history of these sites, but it is possible that one or both could be governed by nonconforming use protections if updated regulations were to be included in the Zoning Ordinance. The establishment of a separate regulatory ordinance would avoid even the appearance of favoritism and ensure that one consistent set of standards apply to all extraction operations in the Township.

Finally, the Township has limited authority under the format of local zoning regulations to address anticipated off-site impacts from the operation, as land use regulations are primarily focused on the activities within the boundaries of a lot. Under a separate regulatory ordinance, the Township has the ability to address potential off-site impacts and require inspections, testing, and mitigation measures related to those impacts. Examples include provisions related to the haul route into and out of the extraction site (see Section 14) and hydrogeologic study requirements related to protection of private and municipal wells that are in proximity to mining operations that extend below the water table (see Section 10.1).

The proposed Extraction Ordinance places authority to hold a public hearing, review, and act on Extraction Permit applications with the Planning Commission (see Section 6). The Ordinance includes updated application information requirements (see Section 7), which are intended to ensure that the Planning Commission will have adequate documentation available to make informed decisions about compliance with ordinance requirements and the standards for approval listed in Section 6.8. The scope of required information includes documentation of existing conditions, a mining plan, screening details, and a reclamation plan in a format similar to other plans reviewed by the Planning Commission, including site plans required by the Zoning Ordinance and subdivision plats subject to the Township’s subdivision regulations.

Summary of the proposed Extraction Ordinance

The following is a summary of the proposed Extraction Ordinance:

Section 1 (Short Title) establishes the title of the ordinance.

Section 2 (Intent and Purposes) establishes the intent and purposes of the ordinance to provide for utilization of sand, gravel, and other non-metallic mineral resources in a manner that is compatible with nearby residences, protects human health and the environment, and ensures complete site reclamation at the conclusion of extraction operations.

Section 3 (Authority and Scope) confirms the Township’s authority to regulate extraction operations to protect the public health, safety, and welfare , and that the ordinance requirements are the minimum necessary for this purpose.

Section 4 (Prohibitions) confirms that it shall be unlawful to extract non-metallic minerals or import fill materials in a manner that violates any provision of this ordinance.

Section 5 (Exemptions) specifically excludes from regulation customary agricultural activities; customary work within a road right-of-way or drainage easement; environmental remediation; construction of solid waste disposal facilities subject to state permits; and grading or excavation for construction of structures or septic systems.

Section 6 (Application Procedure) establishes a review procedure for extraction permit applications and renewals, sets a public hearing requirement and standards for public notices, and confirms the authority of the Township Board of Trustees to establish required application fees and escrow deposits by resolution to defray anticipated administrative and enforcement costs. This section also confirms that an extraction permit shall be approved if the Planning Commission has determined that all necessary information has been provided, that the application satisfies all applicable Township ordinance requirements necessary for Permit approval or renewal, that the applicant has the resources necessary to comply with this Ordinance, that the site will be reclaimed to a safe and harmonious condition compatible with surrounding land uses and the Master Plan, that required fees, financial guarantees, and evidence of insurance have been submitted, that all required outside agency permits are in effect, that the water table, water quality, surrounding wells, and surface water resources will not be adversely affected, that wetland regulations have been satisfied, and that the operation will not pollute or degrade the environment, interfere with quiet enjoyment of persons in the vicinity or adversely affect the health, safety or welfare of residents.

Section 7 (Base Documents) lists the maps, photographs, studies, analyses, and data required for an extraction permit application and establishes a process for requesting a waiver from or modification of a required base document or item of information.

Section 8 (Public Documents) lists the public documents required for an extraction permit application, such as ownership and easement documentation, contact information for persons, firms, corporations or other entity having legal or equitable interest in the property, copies of all existing federal, state, and county permits in effect, and documentation of the applicant's right to conduct business in Michigan.

Section 9 (Survey, Base Maps, and Photographs) establishes minimum standards that apply to the survey, topographic map, aerial photograph, site inventory map, and reserve/exploration map as may be required by this Ordinance for an extraction permit application.

Section 10 (Additional Studies and Analysis) establishes minimum standards that apply to a hydrogeologic study, environmental impact analysis or other technical report that may be required as part of an application, based on the scope of a proposed extraction operation.

Section 11 (Mining Plan) establishes minimum standards that apply to the mining plan required by this Ordinance, including plan preparation and content requirements, a plan for sound and visual screening of the site, descriptions of the nature and type of

operations, an overall extraction plan for the site, an estimated schedule for each progressive cell-unit of the operation, and a wetland mitigation plan if required by applicable regulations.

Section 12 (Reclamation Plan) establishes minimum standards that apply to the reclamation plan required by this Ordinance, including an overall plan for complete reclamation of the land at the conclusion of the operation, an estimated schedule for progressive reclamation activities, limitations on the steepness of reclaimed slopes, provisions for grading, slope stabilization, and re-vegetation, and a conceptual end-use plan for the reclaimed site consistent with the Master Plan and Zoning Ordinance.

Section 13 (Specific Operating Conditions and Regulations) establishes additional operating conditions and regulations that apply to all extraction operations, including a requirement that no extraction activity shall be conducted closer than 200 feet from any road right-of-way, 500 feet from any existing residence, and 200 feet from any other lot boundary. This section also prohibits blasting, limits extraction below the water table and importation of fill materials, and establishes standards for fencing, warning signs, hours of operation, and noise mitigation.

Section 14 (Ingress-Egress Requirements) establishes ingress and egress standards for the extraction operation, including provisions for haul route acceptance, the internal access drive, and clean-up of spillage from transportation activities.

Section 15 (Screening Requirements) establishes minimum screening requirements for all extraction operations, including provisions for installation of perimeter berms.

Section 16 (Variances) establishes a procedure and criteria for consideration by the Township Board of Trustees of any applicant's request to vary from an ordinance requirement.

Section 17 (Appeals) establishes a procedure for consideration by the Township Board of Trustees of any appeal from a person aggrieved by a Planning Commission decision under this ordinance.

Section 18 (Inspections) confirms that the Township may conduct inspections and cause or perform such tests necessary to ensure that activities conducted on the site comply with this ordinance and other Township ordinances, and sets standards for corrective actions and notices associated with deficiencies found during inspections.

Section 19 (Annual Report) establishes a requirement for submittal of a detailed annual report to the Township describing reclamation activities undertaken during the year, planned extraction and reclamation activities for the next year, the total amount of materials removed during the year, the total acreage of disturbed land not yet restored, conformance to the requirements of this ordinance and outside agency regulations, and details of complaints received and procedures used to resolve them.

Section 20 (Financial Guarantees) establishes minimum requirements and criteria for determining the amounts of required financial guarantees for reclamation and site restoration, and for replacement of wells adversely affected by the operation.

Section 21 (Indemnity Insurance) establishes minimum requirements for a liability insurance policy to cover anticipated property damage and bodily injury claims associated with the extraction operation.

Section 22 (Violations, Penalties, and Permit Revocation) establishes penalties for violations of this ordinance, including a municipal civil infraction, a permit revocation procedure, and other remedies available to the Township to correct, remedy or abate non-compliance.

Section 23 (Definitions) defines various terms used in the ordinance.

Section 24 (Severability) confirms that the elements of this ordinance are severable as provided by law.

Section 25 (Repeal) confirms the repeal of Township ordinances or parts thereof that conflict with provisions of this Ordinance to the extent necessary to give this Ordinance full force and effect.

Section 26 (Publication) confirms that applicable publication requirements of state law will be met.

Section 27 (Effective Date) establishes the effective date of the ordinance, based on adoption and publication requirements.

SCOPE OF SERVICES

Second Reading and adoption of the proposed Extraction Ordinance.

JUSTIFICATION

The Township recognizes that sand, gravel, and other non-metallic minerals within the Township's boundaries are non-renewable natural resources necessary and beneficial to the welfare of its inhabitants and the surrounding region. The proposed Extraction Ordinance provides for utilization of these resources in a manner compatible with nearby residential uses, protection of human health and the environment, and reclamation of the land for another land use at the conclusion of the extraction operation.

PROJECT IMPROVEMENTS

Board of Trustees goals addressed by this Ordinance (From Policy 1.0: Global End).

1. **Community well-being and common good**
3. **Safety**
4. **Health**
6. **Commerce**

COSTS

NA

PROJECT TIMETABLE

After the Second Reading and adoption by the Board of Trustees, the Ordinance would take effect on the day immediately following publication of the required notice of adoption under the Charter Township Act (Public Act 359 of 1947, as amended, being MCL 42.1 – MCL42.34).

RESOLUTION

To conduct the Second Reading of the proposed Extraction Ordinance, and to adopt the Extraction Ordinance as Township Ordinance Number _____.

Resolved by _____ Seconded by _____

Yes:
No:
Absent:

**CHARTER TOWNSHIP OF UNION
ISABELLA COUNTY, MICHIGAN**

EXTRACTION ORDINANCE NO. _____

[An ordinance adopted under the provisions of the Charter Township Act (Public Act 359 of 1947, as amended, being MCL 42.1 – MCL42.34) to regulate and establish standards and approval procedures for extraction of non-metallic minerals on land within the Charter Township of Union, and reclamation of the land at the conclusion of the operation; to provide for the administration and enforcement thereof, and for the establishment of fees, escrow deposits, and performance guarantees to defray the administrative and enforcement costs incident thereto, and to ensure that all extraction operations and reclamation activities are completed in accordance with this ordinance and approved plans; to provide for severability, repeal, publication, and an effective date; and for other purposes.]

CHARTER TOWNSHIP OF UNION, ISABELLA COUNTY, MICHIGAN HEREBY ORDAINS:

Section 1. Short Title.

This Ordinance shall be known and cited as the Extraction Ordinance and may be referred to herein as “this Ordinance.”

Section 2. Intent and Purposes.

The Township recognizes that sand, gravel, and other non-metallic minerals within the Township’s boundaries are non-renewable natural resources necessary and beneficial to the welfare of its inhabitants and the surrounding region. To provide for utilization of these resources in a manner compatible with nearby residential uses, to protect human health and the environment, and to ensure complete reclamation for another land use at the conclusion of the extraction operation, it is the intent of this Ordinance to regulate and provide procedures and standards for extraction of non-metallic minerals and for the reclamation of the land at the conclusion of the operation.

This ordinance is necessary because extraction operations and related activities, such as the importation of fill material, can cause unique and substantial impacts upon the environment and the welfare of adjacent properties and the community as a whole. They can disrupt the environment, impair water quality and quantity, cause noise and dust nuisances, damage roads and create conditions dangerous to Township residents. Extraction of non-metallic minerals and importation of fill materials can leave land in an unsightly condition and present an unattractive and dangerous nuisance.

Extraction operations and importation of fill materials can also have serious adverse impacts on watercourses, wetlands, and groundwater resources, which are indispensable and fragile natural resources that provide many public benefits, including a supply of potable water for private and municipal systems, fish and wildlife habitat, maintenance of water quality through nutrient cycling and sediment trapping; flood and storm water runoff control through temporary water storage; groundwater recharge; and outdoor recreation. It is the further intent of this Ordinance to protect Township watercourses, wetlands, and groundwater resources located in proximity to extraction operations in a manner that preserves their hydrological, economic, recreational, and aesthetic natural resource values for existing and future Township residents.

Section 3. Authority and Scope.

The Township has authority to regulate extraction operations, reclamation activities, and importation of fill materials to protect the public health, safety, and welfare pursuant to the Charter Township Act (Public

Act 359 of 1947, as amended, being MCL 42.1 – MCL42.34), in accordance with applicable state laws. The Planning Commission has the authority under this Ordinance to administer, review, deny, approve or approve with conditions permits issued under this Ordinance. The Township Planner and Ordinance Enforcement Officer shall have authority, with the assistance of any designated Township consultants, to administer and enforce the provisions of this Ordinance and approved Extraction Permits. The requirements of this Ordinance shall be held to be the minimum necessary for promotion of the public health, safety, and general welfare.

Section 4. Prohibitions

It shall be unlawful to extract non-metallic minerals or import fill materials without complying with the provisions of this Ordinance. It shall also be unlawful for the Applicant/Owner/Operator or any other person or permit holder to conduct an activity or maintain any land area or extraction operation in violation of any approved Extraction Permit, approved plans for an extraction operation or reclamation or condition of any Permit issued under this Ordinance.

Section 5. Exemptions.

Subject to compliance with all other applicable statutes, ordinances, rules, and regulations, this Ordinance shall not apply to the following activities:

- 5.1 Ordinary and necessary grading of land for the tilling and cultivation of soils for the growing of crops and trees.
- 5.2 Ordinary and necessary grading or excavation for construction of buildings, structures or related septic systems pursuant to all required permits from the Township and any other governmental authority having jurisdiction over such activities.
- 5.3 Ordinary and necessary grading, excavation or maintenance within a public or private road right-of-way or drainage easement by an authorized contractor or governmental agency with jurisdiction, conducted in compliance with applicable regulations and permit requirements.
- 5.4 Remediation of environmental contamination.
- 5.5 Construction of a solid waste disposal facility subject to State of Michigan permits.

Section 6. Application Procedure

The following procedures shall apply when processing any application under the terms of this Ordinance:

- 6.1 **Optional Pre-Application Conference.** The Applicant/Owner/Operator may request a pre-application conference with the Township Planner. The purpose of this informal meeting is to provide information and guidance to the Applicant/Owner/Operator that will assist in preparation of a complete application. No formal action shall be taken during this meeting. The Applicant/Owner/Operator may be required to pay a fee for a pre-application conference in an amount determined by resolution of the Township Board of Trustees.
- 6.2 **Application Information.** All applications shall be on a form provided by the Township and shall be signed by the Applicant/Owner/Operator(s) and the titleholder(s) of the parcel(s) upon which the excavation is proposed. To initiate formal review by the Planning Commission, the Applicant/Owner/Operator shall submit one (1) completed and signed copy of the required application form, the required fee and any required escrow deposit, one (1) digital copy in .PDF format of the complete set of application materials, one (1) large (up to 24-inch by 36-inch maximum) printed plan set, and eleven (11) reduced 11-inch by 17-inch printed plan sets at the

Union Township Hall. All notes and plan details must be clearly legible at the sheet size. The following minimum information shall be required with any application:

- A. The name, address, and contact information for the Applicant/Owner/Operator, and the Applicant/Owner/Operator's interest in the property. If the Applicant/Owner/Operator is not the owner, the name, address, and contact information for the owner(s) and the signed consent of the owner(s) shall also be required.
- B. Signature(s) of the Applicant/Owner/Operator(s) certifying the accuracy of the information.
- C. A legal description of the property, including street address(es) and tax code number(s).
- D. The set of required base documents, including all necessary information to confirm compliance with the requirements and standards of this Ordinance.

6.3 **Application Fee Required.** The amount of the application fee shall be established and may be adjusted from time to time by resolution of the Township Board of Trustees.

6.4 **Refundable Escrow Deposit.** In addition to the non-refundable application fee provided for in subsection 6.3, the Applicant/Owner/Operator may be required to deposit with the Township at the time the application a refundable escrow deposit intended for use to defray the Township's costs for professional reviews and consultations by experts in the law, civil engineering, hydrogeology, and other fields determined necessary by the Planning Commission or Township Planner to assist with evaluation of the application and/or Permit inspections and administration. The amount of any required refundable escrow deposit shall be established by resolution of the Township Board of Trustees.

- A. **Accounting.** The Township shall annually deliver to the Applicant/Owner/ Operator an accounting that shows the debits and credits during the accounting period.
- B. **Annual Renewal of Escrow Fee.** During the period the Township is either processing the application or administering the Permit, the Applicant/Owner/ Operator shall restore the sums in the escrow account to the minimum amount established by resolution of the Township Board, or such other amount as may be established for the extraction operation by resolution of the Planning Commission. The sums needed to restore the account shall be paid by the Applicant/Owner/Operator within 30 calendar days of receipt of a written Township request.
- C. **Additional Escrow Fees.** If at any time it appears the sums in escrow are insufficient to process the application or pay the expenses to administer the Permit, the Applicant/ Owner/Operator shall be required in writing to deposit additional sums with the Township. Failure to replenish such sums within 30 calendar days shall be grounds for the Township Planner or Ordinance Enforcement Official to issue a stop work order, at which time no further processing of the application or excavation or stockpiling of materials may occur until the order is rescinded.
- D. **Interest.** The Township shall have no duty to deposit the sums in an interest-bearing account. However, if interest is earned on the sums deposited by Applicant/Owner/ Operator, such interest shall be credited to the Applicant/Owner/Operator's account.
- E. **Return of Escrow Funds.** If the application is denied, any unexpended funds shall be returned to the Applicant/Owner/Operator within 45 calendar days after all actual costs and expenses incurred by the Township have been paid. If a permit is issued, any unexpended funds shall be returned to the Applicant/Owner/Operator within 45 calendar

days after the site is completely restored and all actual costs and expenses incurred by the Township have been paid.

- 6.6 **Technical Review.** Prior to Planning Commission consideration, the application materials shall be distributed to the Township Planner for review and comment. The Township Planner or Planning Commission may also request comments from other Township departments, consultants or outside agencies with jurisdiction. Applications that are found by the Township to be incomplete or inaccurate shall be returned to the Applicant/Owner/Operator without further consideration.
- 6.7 **Public Hearing.** The Planning Commission shall hold a public hearing on the application. At least 15 calendar days prior to the hearing, notices shall be sent by mail or personal delivery to the Applicant/Owner/Operator, the titleholder of the parcel, and to the owners of all property and occupants of all structures within 2,000 feet of the subject property. The notice shall also be posted at the Township Hall, published once in the Township's newspaper of record, and placed on the Township website. The notices shall include the time, date, place, and purpose of the hearing.
- 6.8 **Standards for Permit Approval or Renewal.** The following general standards for approval shall apply to any application for Extraction Permit approval or renewal:
- A. An Extraction Permit shall be approved if the Applicant/Owner/Operator provides information, data and documentation sufficient to meet each of the following standards:
- (1) The application is administratively complete, and the Planning Commission has determined that all necessary information has been provided.
 - (2) The Planning Commission has determined that the application satisfies all applicable Township ordinance requirements necessary for Permit approval or renewal.
 - (3) The Applicant/Owner/Operator has demonstrated the legal, financial, technical, and other resources necessary to comply with this Ordinance.
 - (4) Written assurance has been provided in the form of a reclamation plan and financial guarantee that the site will be reclaimed to a condition which is safe and harmonious with surrounding land uses and consistent with the Master Plan.
 - (5) Required fees, surety bonds, and evidence of insurance have been submitted, along with any required escrow deposit.
 - (6) Copies of all federal, state, and local permits which relate to an activity on the property which were issued and in effect at the time the application was submitted to the Township.
 - (7) The extraction operation will not adversely affect groundwater (e.g., water table, water quality or supply to surrounding wells) or surface water resources.
 - (8) There will be no net loss of wetlands on-site or, where determined necessary, proposed wetland mitigation measures are acceptable and consistent with state laws and Township ordinance requirements.
 - (9) The operation will not impair the environment; pollute or degrade the air, water or other natural resources.
 - (10) The operation will not interfere with the quiet enjoyment of persons in the vicinity of the operation or adversely impact on other identifiable health, safety, and welfare interests in the Township.

- B. The burden of meeting each standard is on the Applicant/Owner/Operator. The Applicant/Owner/Operator's failure to provide the information, data or documentation necessary to meet a standard is a basis for denial of the application.
- 6.9 **Decision.** The decision rendered on the application shall be in writing, shall be supported by competent, material, and substantial evidence on the record of compliance with all applicable requirements of this Ordinance.
- 6.10 **Reapplication.** If an application is denied, a reapplication for that site shall not be filed for 365 calendar days from the date the decision was rendered, unless there is a material change in circumstances that was not present when the application was considered.
- 6.11 **Conditions of Approval.** In granting approval of an Extraction Permit the Planning Commission may impose such reasonable conditions as it deems necessary to ensure the standards are met and maintained. The following conditions shall be printed on the Extraction Permit, in addition to any others imposed by the Planning Commission:
- A. The authorization herein granted only authorizes those uses and activities specifically set forth in the Permit, is subject to the Township's right to inspect the site, and is contingent upon the Applicant/Owner/Operator(s) strict adherence to the terms and provisions of the Permit, this Ordinance, and other applicable regulations.
- B. Within 365 calendar days following cessation of the extraction operation by abandonment or otherwise, the site shall be fully reclaimed in strict accordance with the approved reclamation plan, unless an alternative timeline for completion of reclamation activities was approved by the Planning Commission as part of an Extraction Permit approval or renewal.
- C. The application and base documents are incorporated by reference into the Permit. A material misrepresentation or unauthorized change in a base document is cause for revocation of the Permit.
- D. The Applicant/Owner/Operator shall, within 60 calendar days of an initial Extraction Permit approval, record copies of the Permit, mining plan, and reclamation plan for the property at the Isabella County Register of Deeds office, and shall provide copies of the recorded documents to the Township Planner.
- 6.12 **Permit Terms.** A Extraction Permit shall state the name of the Applicant/Owner/ Operator, metes and bounds description of the site, conditions imposed and any variances granted in conjunction with the Permit, the base document titles and revision dates, and the commencement date and term for which the Permit is issued.
- A. An initial Permit issued for a new extraction operation on a site shall be valid for a period of up to three (3) calendar years, beginning from the commencement date and ending on December 31 of the third year.
- B. Any subsequent Permit issued or renewed for an extraction operation on a site shall be valid for a period of up to five (5) calendar years, beginning from the commencement date and ending on December 31 of the fifth year.
- C. A Permit is transferable to a new Applicant/Owner/Operator with prior written consent of the Planning Commission. The Planning Commission may impose conditions to ensure that the requirements and standards of this Ordinance are met. Transfers include a merger, reorganization, sale or similar business action.

- D. The Applicant/Owner/Operator shall submit an application to the Township for renewal of an Extraction Permit not less than 180 calendar days nor more than 365 calendar days before the end of the term of the Permit.

6.13 **Outside Agency Permits and Approvals.** Copies of permits and approvals issued by a governmental body or agency that regulates an aspect of the activity conducted on a site shall be promptly filed with the Township Planner. The Applicant/Owner/Operator shall also notify the Township Planner of any requests for amendments to or notices of violation of any outside agency permits.

Section 7. Base Documents

The following base document requirements shall apply to all Extraction Permit projects:

7.1 **General Provisions.** The purpose of the base documents is to define the scope and character of the activities authorized on the site and provide evidence that the standards are met. The following general requirements shall apply to all required base documents:

- A. Any modification or change intended or contemplated to the scope or character of the activities shall require Planning Commission approval, and the base document(s) shall be revised accordingly.
- B. When a change in the scope or character of the activities on a site is intended or contemplated, the base documents submitted with the application shall depict and explain the proposed change.
- C. This Ordinance requires certain documents be prepared by professionally qualified individuals such as geologists, hydrologists, engineers, architects, environmental scientists, and surveyors. In all such cases the person preparing the document shall hold the academic degree, license, registration or other credential necessary to practice in the State of Michigan.
- D. Each base document shall be signed and dated by the person who prepared the document and, if applicable, shall bear their seal.

7.2 **Waiver of Base Document Information.** Unless waived in writing in accordance with this Section, all base documents shall be submitted in compliance with this Ordinance. Upon written request by the Applicant/Owner/Operator, the Planning Commission may modify or waive the requirement for a base document or specified item(s) of information required by this Ordinance to be included on a base document, subject to the following:

- A. Determination by the Planning Commission that the modification or waiver does not adversely affect the ability of the Planning Commission to ascertain whether the applicable requirements of this Ordinance have been met. The Applicant/Owner/Operator has the burden of providing facts, data, and documents sufficient to establishing that a requested waiver meets the standards of this subsection. Failure to do so shall be grounds for denying the waiver.
- B. If the Planning Commission subsequently determines that the waived base documents are necessary for their review and action on an application, then the Applicant/Owner/Operator shall promptly take action to amend the application by providing the requested base documents.

7.3 **Summary List of Required Base Documents.** The required maps, photographs, studies, analyses, and data specified and described in the following sections of this Ordinance shall be considered to be the minimum set of base documents required under this Section:

- A. Section 8 (Public Documents)
- B. Section 9 (Survey, Base Maps, and Photographs)
- C. Section 10 (Required Studies and Analysis)
- D. Section 11 (Mining Plan)
- E. Section 12 (Reclamation Plan).

7.4 **Other Relevant Information and Documents.** The Planning Commission may require the Applicant/Owner/Operator to submit additional items of information as determined necessary to confirm that the extraction operation conforms to the requirements and standards of this Ordinance, including all of the standards for Extraction Permit approval or renewal listed in Section 6.8.

Section 8. Public Documents

At a minimum, the following public documents shall be required as part of any application for Permit approval or renewal, unless expressly waived by the Planning Commission:

- 8.1 A title commitment, together with copies of all recorded documents identified in the commitment, current to within 30 calendar days of the date of submission of the application, which evidences ownership and all easements on the site, together with a copy of the record document which vests fee title in the Applicant/Owner/Operator.
- 8.2 Copies of all existing federal, state, and county permits which are in effect and relate to an activity on the site.
- 8.3 If an Applicant/Owner/Operator is other than an individual, a copy of the public document which evidences its legal status and right to conduct business in the State of Michigan.
- 8.4 A list of names, address, telephone/facsimile number(s), and e-mail address of all persons, firms, corporations or other entities having legal or equitable interest in the property.

Section 9. Survey, Base Maps, and Photographs

The following minimum requirements shall apply to the survey, maps, and aerial photographs required by this Ordinance:

- 9.1 **General Requirements.** All survey drawings, base maps, and aerial photographs shall be provided in a bound or stapled set, and shall be of a consistent sheet size, orientation, and scale to allow for easy cross-referencing between sheets. Upon written request from the Applicant/Owner/Operator, specific mapping materials or other documentation required by this Section that contain proprietary information may be labeled as such and provided in accordance with the following:
 - A. The proprietary information shall be in a separate bound or stapled set with a cover sheet listing each map or document title, revision date, number of sheets, and the name, address, and other contact information of the firm or individual responsible for preparation.
 - B. The Township Planner and Applicant/Owner/Operator shall initial, date the cover sheet. The Township Planner shall retain a copy of the signed cover sheet for the Township's

records and shall request that all proprietary information be returned to the Applicant/Owner/Operator at the conclusion of the review process.

- C. The Applicant/Owner/Operator shall retain possession of the signed set of proprietary information and, upon written request from the Township Planner, shall promptly furnish the set to the Township for further review and inspection. Failure to retain or promptly provide the information shall be considered a violation of this Ordinance.

9.2 **Survey.** A survey shall be provided, which shall be prepared and sealed by a surveyor or engineer in accordance with applicable State of Michigan standards and shall include the following minimum information:

- A. Map scale and a north directional arrow.
- B. A legal description, with street address, township, and county; and the property's location and dimensions by metes and bounds written on the survey map from a fixed point of beginning or, if applicable, the lot and block numbers, by subdivision name and recording information.
- C. Existing means of ingress and egress to and from the property, if not by abutting road(s).
- D. Established building line(s), if any, the line of the abutting road(s) identified by names and right-of-way widths, and the location of all utility lines and connections.
- E. All structures and improvements by location, nature (including character of construction and number of stories), dimensions, distance from the property lines on all sides, and occupants.
- F. All servient and beneficial easements, if any, and all easements appurtenant to the property, if any, indicating the identity, by liber and page, if any, the origin (e.g., Deed from A to B), if applicable, and nature or purpose of the easement.
- G. Locations, dimensions, and nature of all encroachments upon the property or from the property on adjoining land.
- H. Locations of all waterways, wetlands, and established flood plains, if any.
- I. Designation of existing uses surrounding the proposed extraction area.
- J. The benchmark utilized for the survey.
- K. A signed and dated certification statement attesting to the accuracy of the survey and specifying the credentials of the preparer.

9.3 **Topographical Map.** A recent topographical map shall be provided showing two (2) foot contour intervals, unless the Planning Commission determines that a greater interval of five (5) feet would be acceptable for all or part of the site. The map shall be at a standard engineer's scale not to exceed one-inch equals two hundred feet (1" = 200'). The topographic contours shall extend at least 100 feet beyond the boundaries of the requested extraction area(s), and shall include all required setback lines, lot boundaries, and easements with dimensions and bearings correlated with the legal description and all required setback lines.

9.4 **Aerial Photograph.** A recent aerial photograph shall be provided, which shall be current to within two (2) years of the application date unless the Planning Commission waives this requirement. The aerial photograph shall be orthorectified and presented at a standard engineer's scale not to exceed one-inch equals one hundred feet (1" = 200'). The aerial photograph shall extend at least 500 feet beyond the boundaries of the requested extraction area(s), and shall include all required

setback lines, lot boundaries, and easements, with dimensions and bearings correlated to the legal description.

9.5 **Vicinity Map.** Township map that depicts the location of the extraction area and the haul route(s) to and from the site.

9.6 **Site Inventory Map(s).** Site Inventory Map(s) shall be prepared by a qualified environmental professional, certified to the Township and clearly showing the locations and types of existing natural features both on the site, and where possible, those within 200 feet beyond the site's boundary lines.

A. The site inventory shall include a written description of the quality, character, extent, and health of the natural features on the site.

B. The map(s) shall, at a minimum, depict the location, extent, and areas for the following elements of the site:

- (1) Setbacks as required by this Ordinance.
- (2) Known archeological and historical features.
- (3) Known agricultural tile drainage infrastructure.
- (4) Existing buildings, structures, and other site improvements.
- (5) Existing drainage courses, both private and under county Drain Commissioner jurisdiction, along with surface water drainage patterns.
- (6) Flood hazard area boundaries.
- (7) Watercourses and other bodies of water, with ordinary high-water marks.
- (8) Delineated wetlands.
- (9) Areas of hydric soils and highly permeable soils.
- (10) Groundwater recharge areas and depths to groundwater, generalized.
- (11) Woodlands, treerows, special habitats, and endangered flora or fauna.
- (12) Existing easements and road rights-of-way, and access points to the site.

9.7 **Reserve/Exploration Map.** A Reserve/Exploration map and cross-sections shall be prepared by an engineer or geologist, and certified to the Township as true and accurate, which depicts the extent, location, and nature of all subsurface materials on the proposed extraction site on a topographic map, including:

A. Estimated extent (outline) of deposit limits of extraction materials; Location by GIS information and identification number of all subsurface exploration locations and all data or reports however embodied or obtained from the site exploration locations; Proposed location of observation wells.

B. Depth and lowest elevations of exploration (e.g., drill holes) and the claimed deposit of materials to be extracted from the site.

C. Groundwater elevations.

D. Estimated quantity of reserves.

E. Depth and estimated quantity of topsoil to be stripped.

F. Depth, lower elevations, and estimated quantity of overburden to be stripped.

G. Two (2) foot contour intervals indicating the anticipated vertical and horizontal extent of excavation below the existing surface elevations, unless the Planning Commission determines that a greater interval of five (5) feet would be acceptable for all or part of the site.

Section 10. Additional Studies and Analysis

The following minimum requirements shall apply to hydrogeologic studies, environmental impact analyses, and other technical research and reports required by this Ordinance:

10.1 Hydrogeologic Study. A hydrogeologic study shall be prepared and sealed by a certified professional geologist who specializes in hydrogeology. The Planning Commission, at the expense of the Applicant/Owner/Operator, may have the study reviewed by a Township consultant. The hydrogeologic study is intended to document the hydrogeological conditions on the site and assess any mining plan impacts on water resources of the Township, both on and off-site. This Section provides a guide for gathering the needed data and assessing potential impacts. Different levels of investigation are required depending on site features, such as location in a watershed, proximity of existing surface water bodies, site hydrology, local geology, groundwater and surface water quality, and local land use. Some of these features are readily discernible; others, such as geology, are not. This study shall include the following minimum hydrogeological data and evaluation elements:

A. Site and Extraction Operation Description.

- (1) For all extraction operations, prepare a map showing the regional setting. At a minimum, the map should cover an area with a one-mile radius measured in all directions from the center of the property. If the size of the project is large, it may be appropriate to increase the geographic area covered by this map. The site location map must show the following features:
 - (a) Proposed limits of excavation.
 - (b) Scale and north arrow.
 - (c) Section lines and numbers.
 - (d) Township and range numbers.
 - (e) Township name.
 - (f) Location of all existing lakes, streams, drainage ditches, surface impoundments, and apparent wetlands in the geographic area.
 - (g) Water surface elevation.
 - (h) Boundaries for the property where the proposed Extraction Operation will occur.
 - (i) Location of all existing agricultural tile drainage infrastructure that crosses the subject site.
- (2) For all extraction operations, prepare a detailed site map that covers an area that extends at least 2,000 feet beyond the property boundaries subject to the Permit application. This map should show:
 - (a) Scale and north arrow.
 - (b) Applicant/Owner/Operator's property boundaries.
 - (c) Boundaries and owner names for all adjoining land parcels.
 - (d) Based on available public information, provide the location of all existing lakes, streams, drainage ditches, and apparent wetlands on-site and within 2,000 feet of the property boundaries.
 - (e) Based on available public information, provide water surface elevation for all existing lakes, streams, drainage ditches, and wetlands located on-site and within 2,000 feet of the property boundaries.
 - (f) Delineated wetlands expected to be impacted by the extraction operation.

- (g) Location of proposed extraction operation.
 - (h) Land surface elevations for the property shown by appropriately selected contour intervals.
- (3) Describe the existing land use, site conditions, and the basic scope of the operation.

B. Field Investigations.

- (1) For all extraction operations, test borings shall be required to be drilled to determine the subsurface geology. A minimum of four (4) test borings shall be located outside the perimeter of the proposed Extraction Operation. At least one boring shall be in the center of the proposed Extraction Operation. These borings must be drilled at least ten (10) feet deeper than the proposed depth of an excavation or to the existing groundwater table, whichever is greater. The locations of these borings must be clearly shown and labeled on the site topographic map. Descriptive logs for each boring should be prepared by a geologist using the Unified Soil Classification System (“USCS”) to describe the subsurface soil and sediment. Boring logs must contain the following minimum information:
- (a) Boring name.
 - (b) Land surface elevation.
 - (c) Depth of boring.
 - (d) Description of different sediments encountered to the bottom of the boring.
 - (e) Construction details for the temporary observation wells.
 - (f) Top of casing elevation.
 - (g) Depth to water.
 - (h) Elevation of water in the well.
- (2) For extraction operations that extend into the groundwater, monitor wells shall be installed near the perimeter of the site and outside of any proposed excavation or construction, subject to the following:
- (a) If more than one aquifer is encountered in the test borings, separate monitor wells must be screened in each aquifer to determine the vertical head gradient between aquifers, groundwater flow direction, and water quality in each aquifer. Include monitor well construction logs in the report appendix.
 - (b) A minimum of five (5) monitor wells shall be installed: three to determine the direction of groundwater flow and the fourth and fifth set as a cluster down gradient of the operations area to determine vertical gradient within the aquifer. The requirement for the fifth well may be waived if the aquifer thickness is determined to be less than ten (10) feet.
 - (c) Monitor wells shall be constructed to requirements of the State of Michigan and Central Michigan District Health Department, shall be capable of detecting any significant change in groundwater elevation and quality, and shall be retained for future monitoring.
 - (d) The Township may require additional monitor well locations determined necessary to verify compliance with this Ordinance.

- (3) For all extraction operations, water levels and water quality in any monitor wells and on-site wetlands, streams, and lakes shall be measured. All water levels shall be related to a common USGS datum and elevations shown on a map and in a report table. Water quality parameters shall be collected in accordance with the process outlined in subsection 10.1.C. (Base-Line Water Quality).
- (4) Existing municipal and residential wells within one (1) mile of the site shall be inventoried and located on the map. Include all well logs in the report appendix. If the number of water supply wells is exceptionally large, then a sufficient number of well logs may be selected to represent each general group of well logs, considering well depths, stratigraphy, and locations.
- (5) For extractions that extend into the groundwater, the Applicant/Owner/Operator shall determine the hydraulic conductivity, flow direction, recharge area, interrelationship with other aquifers and surface water bodies, and water quality of each aquifer within the extraction zone or that is determined by a hydrogeologic study to potentially be affected by the extraction operation.

C. **Base Line Water Quality.**

- (1) **Groundwater - Monitor Wells.** For extractions that extend into the groundwater, all required monitor wells shall be sampled and analyzed per established State of Michigan sampling and analysis protocols to establish background groundwater quality prior to commencing extraction operations. A minimum of two (2) sampling events are required [four (4) or more are preferred], with one event during a high groundwater elevation and the other during a low groundwater elevation period.
 - (a) Testing shall include the following indicator parameters:
 - i. static water level elevation.
 - ii. groundwater temperature.
 - iii. specific conductance.
 - iv. pH.
 - v. dissolved oxygen.
 - vi. redox potential.
 - vii. total dissolved solids (TDS).
 - viii. total petroleum hydrocarbons (TPH). If the TPH exceeds the method detection limit (MDL), VOC, SVOC, and MTBE must also be measured as well.
 - (b) In addition, for each well, determine the concentration of the following groundwater parameters:
 - i. chloride.
 - ii. sodium.
 - iii. calcium.
 - iv. sulfate.
 - v. bicarbonate.
 - vi. magnesium.
 - vii. manganese.
 - viii. iron.
 - ix. potassium.
 - x. phosphorus.

- xi. nitrate nitrogen.
 - xii. arsenic.
 - xiii. mercury.
 - xiv. Other chemical elements, compounds or contaminants as determined necessary by the Planning Commission.
- (c) Laboratory testing shall be conducted in conformance with current applicable United States Environmental Protection Agency testing methods, and data shall be compared to the State of Michigan's current criteria for generic residential cleanup and screening.
- (2) **Groundwater - Water Supply Wells.** For extractions that extend into the groundwater, the Applicant/Owner/Operator shall seek permission from well owners to monitor groundwater flow for all portions of the aquifer(s) from which down gradient municipal and residential wells within one (1) mile of the site extract water. All of the monitor well testing requirements in subsection 10.1.C.(1) shall also apply to these additional wells where such permission has been granted.
- (3) **Surface Water.** For all extraction operations, the number, type and locations of surface water samples shall be sufficient to identify potential surface water impacts from extraction operations, subject to the following:
- (a) Each watercourse and other body of surface water shall be sampled for the following minimum parameters:
 - i. water elevation.
 - ii. base/bed elevation.
 - iii. pH.
 - iv. conductivity.
 - v. turbidity.
 - vi. total dissolved solids (TDS).
 - vii. total suspended solids (TSS).
 - (b) The study shall evaluate the hydraulic relationship between each watercourse or other body of surface water and the groundwater (e.g., groundwater discharges to surface water or surface water discharges to groundwater).
 - (c) The Township may require additional samples or sample locations determined necessary to verify compliance with this Ordinance.

D. Data Analysis.

- (1) Prepare a contour map of the water table elevations, including water-level elevation measurements from on-site wetlands, streams, and lakes. Show the site boundaries.
- (2) Prepare a map showing the location of geologic cross-sections.
- (3) Prepare multiple geologic cross-sections passing through the proposed Extraction Operation and all areas of concern (e.g., wetlands, streams, lakes, residential wells, etc.) to a distance of approximately one mile beyond the site boundaries. On these cross-sections, show the following information:
 - (a) Vertical and horizontal scale.

- (b) Existing land surface elevations.
 - (c) Boundaries and depth of any proposed excavation.
 - (d) Well locations and logs used to prepare the cross-sections.
 - (e) Thickness and extent of the subsurface geologic strata.
 - (f) Location and depth of all residential wells, wetlands, streams, and lakes falling on and near the cross-section.
 - (g) Static water level elevations.
 - (h) Water quality data for each water body and monitor well (diagrams, such as Stiff diagrams, may be the most convenient method to depict the data).
- (4) For extraction operations that extend into the groundwater, conduct an analysis of the impact of the Extraction Operation on nearby surface water (including wetlands) and groundwater resources. Discuss the difference between the existing and post-construction conditions. The Applicant/Owner/Operator's consultant should make an assessment of the net change in water loss in the area of the Extraction Operation. If there is a net increase in water loss, this rate should be used as a stress on the aquifer, analogous to a pumping well. A simple well hydraulics or analytical model may be used to approximate the water-level decline at various distances from the center of the Extraction Operation; numerical modeling is not expected to be required.
 - (5) If the Extraction Operation creates or enlarges an excavated lake, potential impacts will be caused by increased evaporation from the new or increased lake surface and by the removal of aquifer material. The evaporation impact shall be analyzed through a water budget analysis using DEQ's applicable guidance for how to perform this analysis.
 - (6) For extraction operations that extend into the groundwater, prepare an analysis of the amount of water level decline and the associated impacts resulting from removal of the bulk/solid aquifer material.
 - (7) If multiple aquifers are encountered during test drilling, and the proposed bottom of the excavation will completely penetrate an intervening confining layer, the analysis becomes more complicated. An examination of groundwater level data from the monitoring well clusters will determine whether there will be a negative impact on either aquifer. The degree and extent of decline in either case will depend upon the hydraulic properties of the aquifers and the rates of groundwater recharge and lateral groundwater inflow from surrounding areas. An analysis of this type of problem would require a numerical model.
 - (8) For extraction operations that extend into the groundwater, prepare maps and cross-sections showing the nature and extent of the hydrogeologic impact(s) (e.g. water-level decline or increase).
 - (9) For all extraction operations, graphically depict water quality data (e.g. Stiff diagrams) and appropriately show the depictions on maps and cross-sections. Show all supporting documentation for sources of data, data analysis calculations, model input data sets, and model output, but do not fill report appendices with arrays of numbers from numerical model input and output data sets. Provide numerical model data sets in digital format.

E. **Hydrogeologic Analysis, Summary, and Conclusions.** This subsection shall document existing site conditions, identify potential short-term and long-term impacts on the Township water resources during and after the proposed Extraction Operation, and contain the following minimum elements:

- (1) Description of present land use and the relationship of the site to surrounding properties. Use either the site location or a topographic map, whichever is more appropriate.
- (2) Discussion of the proposed Extraction Operation and schedule, along with the intended future use of site. Use a topographic map showing proposed extent of the Extraction Operation and different phases, if applicable.
- (3) Presentation of measured water levels as a contour map of the water table that also shows the groundwater flow directions.
- (4) Discussion of groundwater and surface water movement through the area. Use either the site location or a topographic map, whichever is more appropriate.
- (5) Presentation and discussion of data from test borings and any required monitoring wells on cross-sections through the proposed Extraction Operation area showing land surface elevation, surface water features (if applicable), the proposed extent of any excavation, and the subsurface sediments encountered in the hydrological study.
- (6) Water quality impacts on existing surface-water and groundwater quality.
- (7) Provide a conclusion discussing the expected impact to the water quality and elevations of groundwater (e.g. project water level decline/rise in each aquifer) and surface water bodies on and proximate to the site, considering both short-term and long-term potential impacts.

F. **Additional Hydrogeological Data.** The Township may require additional data related to the site, including, but not limited to, the following:

- (1) **Surface Water Diversions.** Additional investigations may be needed to demonstrate that any proposed diversion of surface water flow will not adversely impact existing surface water bodies or wetlands located on- or off-site through reduced or excessive flows.
- (2) **Groundwater Diversions.** For extraction operations that extend into the groundwater where multiple aquifers are encountered by the test borings, monitor wells must be screened in each aquifer that is expected to be penetrated by an excavation. Measure hydraulic head (water level elevation) in each well to determine vertical differences in head between aquifers, the direction groundwater will move between aquifers, and to calculate the impacts from lowering the head in one aquifer and raising the head in the other aquifer.

10.2 Environmental Impact Analysis.

The Applicant/Owner/Operator shall prepare an environmental impact analysis addressing the impact the operation will have on the site's natural features, flora, fauna, adjacent lands, on the social and economic conditions of the Township, and any mitigation measures needed to eliminate or minimize these impacts.

- A. This section is intended to provide a detailed and thorough analysis using the assembled data required by this Ordinance, not a restatement of assembled data. The analysis should address how the various data interrelate and how the proposed operation will affect human and natural environments.
- B. Environmental impacts identified in the hydrogeological study should be incorporated into this analysis and related to the discussions of other impacts. The hydrogeological support data does not have to be re-stated, but should be referenced in this analysis.
- C. At a minimum, the analysis shall address the following potential short-term and long-term impacts, including impacts associated with the intended future use of the reclaimed site, and shall include the Applicant/Owner/Operator's planned mitigation measures to minimize the anticipated impacts:
 - (1) Noise, dust, mud, drainage, erosion, and sedimentation.
 - (2) Truck traffic and access to and from the site.
 - (3) Impacts on public road infrastructure.
 - (4) Impacts to residents near the operation and along the haul route.
 - (5) Changes in social patterns and/or economic conditions of residents.
 - (6) Views of the extraction operation site from adjacent roads and properties.
 - (7) Impacts on watercourses, other bodies of surface water, flood hazard areas, and wetlands.
 - (8) Impacts on special habitats, and endangered flora or fauna.
 - (9) Impacts on known archeological and historical features.
 - (10) Impacts on groundwater supply, level, quality, and flow on site and within 2,000 feet of the proposed extraction activity.
 - (11) Impacts on air quality within 1,000 feet of the proposed extraction; and
 - (12) Any additional impacts on the human or natural environment that the Applicant/Owner/Operator or Planning Commission determine to be significant or necessary to verify compliance with this Ordinance.
- D. In addition to the above items, the analysis shall address the following details:
 - (1) Inventory the physical environmental elements of the proposed site, with descriptions of the environment as it exists prior to commencement of extraction operations, and as projected after completion of reclamation.
 - (2) Identify whether the proposed activity is located within 1,000 feet of a residence, 2,000 feet of a school or 500 feet of a commercial development, and address compatibility of the extraction operation with these and other adjacent land uses.
 - (3) Alternatives, if any, to the extraction operation location and the reasons for the choice of the proposed location over those alternatives.

Section 11. Mining Plan

The following minimum requirements shall apply to the mining plan required by this Ordinance:

- 11.1 Plan Preparation, Content, and Detail.** The mining plan shall be prepared by a certified professional geologist, or registered professional engineer specializing in mining and shall illustrate the pattern, direction and phasing of earth moving, extraction, land shaping, and reclamation activities. The plan shall be of sufficient detail so it can be used to assess the performance of the mine operation during any site inspection. The mining plan shall be reviewed annually by the Township and the permit holder and updated, if necessary.

11.2 **Topographical Map.** Applicant/Owner/Operator shall prepare a topographical map at a standard engineer's scale not to exceed one-inch equals two hundred feet (1" = 200'), which depicts the following information:

- A. Site boundary lines, and setback lines as required under this Ordinance.
- B. Location, elevation, and area of any proposed processing plant.
- C. Location, size, and elevation of all structures and facilities.
- D. Location of outdoor storage areas including materials extracted from the site.
- E. Location and size of sediment ponds, drainage diversions, and discharge points.
- F. Location of fences and gates.
- G. Parking location and number of spaces for employees, invitees, and equipment stored on site.
- H. Location of equipment, chemical, oil, and fuel storage areas.
- I. Planned public roadway modifications needed to accommodate the extraction operation and haul route, including but not limited to paving, drainage, lane widening, and intersection improvements.
- J. Location and description of any potable water supply for human consumption and any sewage disposal system for human waste.

11.3 **Screening Plan.** The Applicant/Owner/Operator shall prepare one (1) or more maps with a scale not to exceed one-inch equals two hundred feet (1" = 200') that depict the following information:

- A. A plan for sound and visual screening of the site, with heights and locations of required berms with topographic contours at a two (2) foot contour interval; grass seed mix and application rate; fertilizer mix and application rate; species, size, location, and quantity of any required tree plantings; any existing topography, woodlands or other existing vegetation proposed to serve as part of the required screening; and installation and maintenance details.
- B. Example detail drawings of the berm, and any tree planting arrangements as required per Section 15, shall be provided at a scale not to exceed one-inch equals fifty feet (1" = 50').

11.4 **Nature of Operations.** Describe the nature and type(s) of the following site activities:

- A. Methods of excavating, including excavation equipment.
- B. Methods of transporting material from mine site to processing plant, including earth handling equipment to be used on-site.
- C. Types of processing activities, such as screening, washing, crushing, etc.
- D. Estimated quantity, use, and disposal of fines.
- E. Estimated number and size of settling ponds.
- F. Estimated annual production.
- G. Estimated type, size, and number of trucks leaving the site daily, during peak season, and annually.
- H. Other incidental activities proposed on the site accessory to the operation.
- I. Road track out control plan to alleviate mud, soils, dust, and other materials from the undercarriage and wheels of vehicles resulting from the mining operation, which may include sweeping; paving; spraying the under carriage, wheels, and wheel wells; or other best management practices. The plan shall include proposed management practices on both access roads and public roads, beyond normal maintenance conducted by the road authority with jurisdiction.

- J. Dust control plan to alleviate dust resulting from mining operations, which may include sweeping, paving, spraying water, windbreaks, strategic placement of stockpiles, or other best management practices. The plan shall include proposed management practices on both access roads and public roads, beyond normal maintenance conducted by the road authority with jurisdiction.
- K. Haul route map delineating the haul route to be used for the proposed operation.
- L. Noise control plan prepared by a qualified professional estimating the noise levels at the property boundaries containing the extraction operation and at successive stages of the operation, and proposed mitigation measures to be implemented.
- M. Erosion control plan which provides a complete description of all the soil erosion measures, including but not limited to silt fences, vegetation screens, sediment basins, and settling ponds; location of control measures on bare surfaces and steep slopes; and a schedule for installation and maintenance.
- N. Pollution prevention plan containing a complete description of proposed pollution prevention methods based on applicable national, state, and county standards.
- O. Complaint processing plan, which describes the procedures by which complaints about the operation or off-site transportation will be received and resolved.
- P. Wetland removal plan, identifying the total amount of regulated wetlands to be impacted by the operation and all required wetland mitigation measures.
- Q. If the proposed extraction activity includes beneficiation or treatment of extracted material, the application documents shall include specific plans depicting the methods, techniques, and manufacturer's material safety data sheets on all chemicals or other additives utilized in the process. The operator shall also obtain all applicable state and federal permits for the beneficiation process.
- R. Submit a lighting plan showing the location and details of exterior lighting on the site, which shall also conform to applicable Township Zoning Ordinance standards.

11.5 **Fifteen Year Extraction Plan.** The Applicant/Owner/Operator shall submit a 15-year extraction plan that describes and graphically illustrates both the overall extraction operation and the plan for each progressive cell-unit of the operation, which shall include the following minimum required information:

- A. Method and direction of extraction.
- B. Surface overburden stripping and stockpiling plans.
- C. Depth of excavation and anticipated final grade level over the entire site from which the material will be removed.
- D. Location of buildings, equipment, stockpiles, roads, or other features necessary to the extraction activity.
- E. Provisions for buffer areas, landscaping, and screening.
- F. Minimum setback distances as required by this Ordinance.
- G. For each cell or group of cells, provide the verifiable conditions which must exist before excavation of a successive cell or group of cells may commence.
- H. Location and acreage of areas presently being mined, and the amount of material being extracted, if applicable.
- I. Location and acreage of areas not presently being mined but planned for that purpose and the amount of material planned to be mined.

- J. An estimated schedule indicating when the extraction activity will begin in each area and the probable termination date of extraction activities in each area.
- K. Additional information requested by the Township.

11.6 **Wetlands; Avoidance of Loss and Mitigation Requirements.** In all cases where wetlands would be impacted by the proposed extraction operation, the Applicant/Owner/Operator shall submit a wetland mitigation plan for the Planning Commission's review and consideration, subject to the following:

- A. **Prudent Efforts to Avoid Loss of Wetlands.** Wherever wetland loss or alterations affecting the wetland's resource value are anticipated due to proposed extraction operations, mitigation shall be required. Mitigation, however, shall not substitute for pursuing all prudent efforts to avoid wetland loss.
 - (1) Prior to considering a proposal for wetland mitigation, the Applicant/Owner/Operator shall provide evidence to demonstrate that no reasonable alternatives exist to avoid impact to existing wetlands, and that the resource value of existing wetlands will be maintained through mitigation.
 - (2) Such resource value may include flood prevention, wildlife habitat, groundwater resource protection and recharge, pollution treatment, erosion control, nutrient sources, aesthetics, recreation, open space or other resource value associated with the impacted wetland.
- B. **Exception to Mitigation Requirement.** Mitigation shall not be required where the loss of wetland resource value is determined by the Township Planner or a designated Township wetlands consultant to be negligible.
- C. **Additional Requirements for Mitigation Plans.** The mitigation plan shall be in accordance with established state guidelines and the following requirements:
 - (1) Mitigation shall be provided on-site where practical and beneficial to the wetland resources. If mitigation on-site is not practical and beneficial, then mitigation in the immediate vicinity, within the same watershed, of the permitted activity may be considered. Only if all of these options are impractical shall off-site mitigation be allowed.
 - (2) The mitigation plan shall comply with all applicable federal, state, and local laws, and shall assure no net loss to the wetland resource values.
 - (3) If mitigation involves replacement of lost wetland resources, the character, function, and extent of any replacement wetlands shall be consistent with applicable State of Michigan requirements.
 - (4) A minimum five (5) year monitoring program shall be required.

Section 12. Reclamation Plan

Reclamation plans shall include the following minimum required information:

12.1 **General Plan Requirements.** Describe and graphically illustrate the progressive cell-unit reclamation plan, for both the total extraction operation and each cell-unit, including all of the following points:

- A. Provisions for grading, re-vegetation, and stabilization that will minimize soil erosion, sedimentation, and public safety problems.

- B. Location of buildings, equipment, stockpiles, roads, or other features necessary to the extraction activity and provisions for their removal and restoration of the area at extraction operation termination.
 - C. The interim use or uses of reclaimed cell-units before the cessation of the entire extraction operation.
 - D. Interim reclamation if site is to become temporarily inactive (e.g., for the next season or more) at the end of a regular season.
 - E. For each cell or group of cells, provide the verifiable conditions that require reclamation of a cell or group of cells to commence and to be completed.
- 12.2 **Upland Slope; Final Requirements.** All upland reclamation grades for extraction operations shall have a slope not steeper than one (1) foot vertical rise in a four (4) foot horizontal plane, except that the Planning Commission may approve plans that allow steeper reclaimed slopes in order to provide a smoother transition to undisturbed topographic features or the protection of existing environmental features.
- 12.3 **Submerged Slope; Final Requirements.** All final submerged slopes established by the excavation of material below the water table and the creation of a water body shall not exceed a maximum of one (1) foot vertical rise in a ten (10) foot horizontal plane down to a depth of ten (10) feet as measured from the low water elevation.
- 12.4 **Surface Water; Final Requirements.** Diverted or channeled runoff resulting from reclamation shall not adversely affect neighboring properties. Site reclamation shall be conducted and completed in a manner that assures compliance with State of Michigan water quality standards for surface waters.
- 12.5 **Groundwater; Final Requirements.** The site shall be reclaimed in a manner that does not cause a permanent lowering of the water table, adverse impacts on surface waters, degradation of groundwater quality or a reduction in the quantity of groundwater reasonably available for future users.
- 12.6 **Future Land Use and Conceptual Development Plan.** The Applicant/Owner/ Operator shall be required to provide, as a part of the reclamation plan, a future land use and conceptual development plan subject to the following minimum requirements:
- A. The plan shall demonstrate that the reclaimed site can be effectively and efficiently used for purposes consistent with the Master Plan and Zoning Ordinance.
 - B. Where the planned future land use is for agricultural purposes or a conservation area, nature preserve or similar use, the plan may consist of a written narrative addressing how the reclaimed site is anticipated to be used for these purposes.
 - C. For all other planned future residential and non-residential land uses, the Applicant/Owner/Operator shall prepare a conceptual development plan drawn to a standard engineer's scale not to exceed one-inch equals two hundred feet (1" = 200'), which:
 - (1) Depicts general use areas, proposed lots, internal roads and rights-of-way, and locations of structures and other site improvements consistent with Zoning Ordinance requirements for the anticipated end uses.

- (2) The plan shall also include a written narrative that describes the planned future land uses and anticipated site improvements, and addresses compatibility with the Township's Master Plan and Zoning Ordinance.

Section 13. Specific Operating Conditions and Regulations

All extraction operations shall comply with the following operating conditions and regulations:

- 13.1 **Setback.** No excavation, washing, stockpiling of extracted material or other extraction activity of any sort shall be conducted closer than 200 feet from the closest boundary of any road right-of-way to the site, 500 feet from any existing residence, and 200 feet from any other lot boundary.
 - A. The Planning Commission may establish a larger setback requirement upon determination that the increased separation distance is necessary for the health and welfare of adjoining property owners and other residents of the Township.
 - B. The setback area shall not be used for extraction purposes, stockpiling or any other use related to the extraction operation except access roads and public notice signs identifying the use as an excavation.
 - C. Incidental re-grading shall be allowed within the required setback areas during reclamation activities to blend the existing and reclaimed topography and provide for future use of the land consistent with approved Permit plans.
 - D. Screening shall be provided in the setback area per Section 15 of this Ordinance, and as otherwise required by the Planning Commission as a condition of Permit approval or renewal.
 - E. Before commencement of extraction operations on the site, four-inch square (4" x 4") white painted posts, a minimum of five (5) feet in height above grade, shall be placed no more than 300 feet apart along the designated setback lines around the site. The posts shall be placed at intervals so that from the location of any post two (2) additional posts are clearly visible.
- 13.2 **Fencing.** Before the commencement of any extraction operations, a hinge-joint, woven-wire, 10/47/6 standard farm fence shall be erected around the perimeter of the extraction area and maintained in good condition until excavation and extraction operations have been completed. A lockable gate shall be provided at all access points from the public road to the extraction operation, which shall be closed and locked at all times except during the permitted hours of operation.
- 13.3 **Hours of Operation.**
 - A. **Extraction Operations.** Extraction and processing operations shall be permitted only between the hours of 7:00 a.m. and 5:00 p.m., Monday through Friday, and between 7:00 a.m. and 12:00 p.m. on Saturday. Unless there is an emergency, in no event shall any noise emanate off the site, including the warming of engines, prior to 7:00 a.m.
 - B. **Transporting.** No transporting of aggregates or any materials from the site shall be permitted prior to 7:00 a.m. and after 5:00 p.m. Monday through Friday, and prior to 7:00 a.m. and after 12:00 p.m. on Saturday.
 - C. **Repair of Equipment.** Repair of equipment on-site shall be permitted as allowed under the terms of this Ordinance. Unless there is an emergency, in no event shall any noise emanate off the site prior to 7:00 a.m.

- D. **Sunday Operations.** There shall be no extraction operations or transporting of aggregates permitted on Saturdays after 12:00 p.m., on Sundays, and on the official holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas.
 - E. **Emergency Hours.** The Township Planner shall be authorized to grant limited permission for emergency hours of operation for up to a maximum of 30 calendar days upon written request from the Applicant/Owner/Operator with good cause shown. Any extension of time or request for longer than 30 calendar days shall be subject to Planning Commission authorization.
- 13.4 **Noise.** The noise generated by the operation shall conform to the requirements of the Township's Anti-Noise and Anti-Nuisance Ordinance No. 1991-10, and the following:
- A. Extraction operation vehicles, equipment, and transport trucks shall be equipped with back-up alarm technology that uses radar, white noise, strobe light or other means consistent with applicable safety laws to reduce the adverse noise impacts from back-up alarms on neighboring residents.
 - B. The Planning Commission may establish a maximum allowable decibel level noise limit at any lot boundary or road right-of-way as a condition of Permit approval or renewal to protect the health, welfare, and safety of surrounding property owners and Township residents.
- 13.5 **Odors, Smoke, Fumes, Dust, and other Air Pollution.** Any odors, smoke, fumes, or dust generated on said site by any digging, excavating, loading or processing operation and borne or apt to be borne by the wind shall be confined so as not to cause a nuisance or hazard on any adjoining property or public road.
- 13.6 **Stormwater Discharge.** No stormwater discharge shall be allowed off-site without permit and approval from the State of Michigan. A copy of all permits and approvals for offsite discharges shall be submitted to the Township Planner at the time permits and approvals are received from the State of Michigan. Additionally, a copy of the permit application shall be submitted to the Township Planner at the time of the application.
- 13.7 **Pollution of Waters.** The removing of materials shall not cause pollution of any surface water body or groundwater.
- 13.8 **Natural Drainage and Groundwater Recharge.** Extraction operations and related activities shall not adversely affect the natural drainage of the other properties in the area nor adversely affect any pre-existing groundwater recharge area or filtering mechanisms of wetlands in the area or on the extraction site.
- 13.9 **De-watering.** De-watering for extraction or any other processing on-site shall be prohibited.
- 13.10 **Elevation of Plant Site.** Any processing plant shall be located within the excavation area, at a point lower than the general level of the surrounding terrain, to reduce the visual and noise impact of such plant.
- 13.11 **Stockpiles.** Stockpiles of stripped topsoil and/or overburden shall be seeded with grass or other ground cover materials to prevent erosion. Other stockpiles shall be arranged on the site, limited in height, and treat as necessary to prevent off-site impacts from dust, sand, and other wind-blown materials.

- 13.12 **Signs.** The Planning Commission may require the posting of “Keep Out - Danger” or similar signs at designated locations or intervals along the perimeter fence.
- 13.13 **Extraction Below Groundwater Elevation.** Extraction below the groundwater elevation is prohibited unless specifically provided for in the Permit and then only to the maximum depth authorized.
- 13.14 **Blasting.** No blasting shall be allowed at any time under any extraction permit.
- 13.15 **Importation of Fill Materials Prohibited.** Importation of fill materials into an extraction area or otherwise associated with extraction operations shall be prohibited, except where a limited amount of clean, contaminant-free, natural soil fill material is determined by the Planning Commission to be necessary to allow for establishment of safe topographic and drainage conditions appropriate to the intended future use of the land.

Section 14. Ingress-Egress Requirements

All extraction operations shall conform to the following minimum ingress-egress requirements:

- 14.1 **Road Access Limitations.** All ingress and egress for the extraction operation, including the approved haul route, shall be limited to public roads paved with asphalt or concrete and designated as a state highway, arterial, thoroughfare or county primary road by the state or county road authority with jurisdiction.
- 14.2 **Internal Access Drive.** Each extraction operation shall be limited to one (1) access point and access drive into the site from the public road, which shall be subject to approvals from the Planning Commission and the state or county road authority with jurisdiction. The access road shall be paved from the edge of the roadway to the lockable gate, and for an additional minimum of 300 feet into the site from the lockable gate.
- 14.3 **Spillage.** The Applicant/Owner/Operator shall clean all spillage and trackage of material, dirt, rock, mud or any other debris onto any public roads in the Township by trucks coming to or from the site or by any other equipment. Cleaning shall occur promptly after the spillage or trackage of the material has occurred.
- 14.4 **Haul Route.** To the extent permitted by law and as deemed necessary by the Planning Commission for the health, safety, and welfare of residents of the Township, the specific haul route for all vehicles carrying materials to or from the site shall be subject to acceptance by the state or county road authorities with jurisdiction, and Planning Commission acceptance as part of any Extraction Permit approval or renewal. The Applicant/Owner/Operator shall be responsible for posting appropriate signage on the extraction operation site and at the exit point for the site specifying the approved haul route to be used by all vehicles carrying materials to or from the site.

Section 15. Screening Requirements

All extraction operations shall conform to the following minimum screening requirements:

- 15.1 **Berm Required.** Prior to the commencement of any extraction operations under any Extraction Permit the Applicant/Owner/Operator shall have completed construction of a berm in accordance with the requirements of this Section, the approved Permit plans, and any conditions of Permit approval.

- A. The berm shall extend around those areas of the site where adjacent lots and road rights-of-way are exposed to the views and noise of the extraction operation, and as otherwise required by the Planning Commission as a condition of Permit approval or renewal to protect the health, welfare, and safety of surrounding property owners and the residents of the Township.
 - B. The berm shall be of variable height, with the top and outside sides of the berm varying in slope from four (4) feet horizontal to one (1) foot vertical to ten (10) feet horizontal to one (1) foot vertical. The berms shall not be uniform or geometric in shape and shall be blended into the natural landscape.
 - C. Each berm shall be constructed so as to prevent surface water running off the berm onto any property adjacent to the site, and shall not alter or adversely impact pre-existing natural surface water runoff patterns in the area.
 - D. The berm shall be seeded with hardy groundcover plantings suitable to prevent erosion and maintained in a manner consistent with approved Permit plans.
 - E. The Planning Commission may allow existing vegetation or existing topography within the setback areas required by this Ordinance to be used to satisfy all or part of the screening requirements of this Ordinance in place of a berm upon determination that the existing vegetation is of sufficient depth, density, and health to provide year-round screening benefits and to protect the health, welfare, and safety of surrounding property owners and the residents of the Township.
- 15.2 **Unexcavated Areas.** Unexcavated areas shall be left in such a condition so as to ensure growth of vegetation, soil stabilization and erosion control.
- 15.3 **Additional Screening.** Upon determination that additional visual screening is necessary for specific areas of the site to adequately protect the health, welfare, and safety of surrounding property owners and the residents of the Township, the Planning Commission shall require the outside slope of the berm or other areas within the setbacks required by this Ordinance to be densely planted with a mix of large deciduous and evergreen trees to create an effective visual screen, and maintained in a manner consistent with approved Permit plans and the following:
- A. The size and species of any required tree plantings shall be consistent with the landscape tree standards of the Township Zoning Ordinance.
 - B. Required tree plantings shall be of sufficient size and quantity to assure effective screening as soon as disturbed areas of the site are visible from the surrounding lots or road rights-of-way, as determined by the Planning Commission after recommendation from the Township Planner.
- 15.4 **Permit Plan Details.** The location of the berm shall be noted on the Permit plans, along with representative elevation cross-section(s), topographic plan view(s) at two (2) foot contour intervals, and grading/drainage plans for the berm construction. Individual trees, groundcovers, and other plant materials shall be specified on the Permit plans by location, quantity, species, and size at planting. Plant material installation details and a maintenance plan shall also be provided on the Permit plans.
- 15.5 **Timing of Required Screening Improvements.** Prior to the commencement of any extraction operations under any Extraction Permit, the Applicant/Owner/Operator shall have completed construction of a berm and seeded to prevent erosion around those areas of the site where adjacent properties are exposed to the views and noise of the extraction operation in accordance

with approved Permit plans.

- A. All other screening and landscaping improvements shall be completed within 90 calendar days of Permit approval, unless the Planning Commission accepts an alternative date as part of a Permit approval or renewal.
- B. The Planning Commission may require submittal of a financial guarantee to cover the cost of completing required landscaping improvements and plantings by the specified date. Release of any required financial guarantee shall be subject to prior inspection and confirmation by the Township Planner, Ordinance Enforcement Official or designated Township consultant that the berm and associated plantings conform to Permit plans and Ordinance requirements.

15.6 **Maintenance and Replacement.** Failure to maintain required screening improvements, including the removal and replacement of dead or diseased plant materials, shall be a violation of this Ordinance.

Section 16. Variances

The Township Board shall have the power to vary or modify the application of the provisions of this Ordinance in accordance with the following:

- 16.1 Any Applicant/Owner/Operator may apply for a variance from any provision of this Ordinance by filing an application for variance with the Township, together with any fee established by resolution of the Township Board of Trustees.
- 16.2 Before taking action on any application for a variance, the Township Board shall hold a public hearing upon such application within 95 days from its filing, at which time the Applicant/Owner/Operator shall be provided an opportunity to address the Board, produce witnesses, and submit exhibits or other relevant materials. The Township Planner and any designated Township consultants shall be provided a like opportunity. The notices shall include the time, date, place, and purpose of the hearing.
 - A. At least 15 calendar days prior to the hearing, notices shall be sent by mail or personal delivery to the appellant, posted at the Township Hall, published once in the Township's newspaper of record, and placed on the Township website.
 - B. A copy of the notice shall also be sent by mail or personal delivery to the owners of all property within 2,000 feet of the subject property. Any party may appear and comment at the hearing in person or by agent or attorney.
 - C. The notices shall include the time, date, place, and purpose of the hearing.
- 16.3 A variance shall not be granted unless the Township Board first determines that the intent and purpose of this Ordinance shall be observed, public health and safety secured, and substantial justice can be done for the Applicant/Owner/Operator and for affected off-site residents and property owners.
- 16.4 The Township Board may attach reasonable conditions in granting a variance from any provision of this Ordinance. Failure to comply with an approved variance or conditions of approval shall be considered a violation of this Ordinance.

Section 17. Appeals

Any person aggrieved by a Planning Commission decision under provisions of this Ordinance may appeal that decision to the Township Board of Trustees in accordance with the following:

- 17.1 The appeal shall be in writing, dated and signed by the appellant. The appeal shall include a copy of the written decision, if any, copy of the meeting minutes in which the decision appears, the “date of decision,” and the grounds upon which the appeal is brought.
- 17.2 The appeal, together with any fee established by Township Board resolution, shall be filed with the Township within 30 calendar days of the “date of decision,” which is the Planning Commission meeting date at which the minutes of the prior meeting where the decision was made are approved by the Planning Commission.
- 17.3 Before taking action on any appeal, the Township Board shall hold a public hearing on the request within 95 days from its filing, at which time the Applicant/Owner/Operator shall be provided an opportunity to address the Board, produce witnesses, and submit exhibits or other relevant materials. The Planning Commission or its representative shall be provided a like opportunity.
 - A. At least 15 calendar days prior to the hearing, notices shall be sent by mail or personal delivery to the appellant, posted at the Township Hall, published once in the Township’s newspaper of record, and placed on the Township website.
 - B. A copy of the notice shall also be sent by mail or personal delivery to the owners of all property within 2,000 feet of the subject property. Any party may appear and comment at the hearing in person or by agent or attorney.
 - C. The notices shall include the time, date, place, and purpose of the hearing.
- 17.4 The decision of the Township Board shall be in writing and state the facts, analysis, and law upon which the decision is based.
- 17.5 The decision of the Township Board may be appealed to the Isabella County Circuit Court within 30 calendar days of the “date of decision,” which is the Township Board meeting date at which the minutes of the prior meeting where the decision was made are approved by the Township Board.

Section 18. Inspections

The Township, at the expense of the Applicant/Owner/Operator paid from the escrow account, may conduct such inspections and cause or perform such tests as are reasonable to ensure that activities conducted on the site comply with this Ordinance and other Township ordinances.

- 18.1 **Annual Inspection.** The Planning Commission may set an annual inspection date for the site. The Planning Commission shall provide the Applicant/Owner/Operator notice of an annual inspection at least 14 calendar days before the annual inspection.
 - A. Representatives from the Township may include but shall not be limited to the Township Planner, Ordinance Enforcement Official, other Township consultants, and members of the Planning Commission. A representative of the Applicant/Owner/Operator shall accompany the Township representatives.
 - B. The Township may take photographs of the site to establish a historic record of activities and changes on the site. The photographs shall be submitted to the Planning Commission along with a copy to the Applicant/Owner/Operator. A record shall be kept of the date of the photography and the name of the person taking the photographs.

- 18.2 **Access to Site; Other Inspections.** The Township Planner, Ordinance Enforcement Official, other Township consultants, and members of the Planning Commission shall have the reasonable right to enter the subject property, upon notification to the Applicant/Owner/Operator, to conduct necessary inspections while reviewing an Extraction Permit application. The Township Planner and Ordinance Enforcement Official shall also have the right to conduct the necessary periodic inspections to investigate possible violations of this Ordinance. Refusal to permit entry shall be a violation of this Ordinance.
- 18.3 **Inspection Deficiencies; Corrective Action.** Upon written notification from the Township Planner or Ordinance Enforcement Official of excavation operation or site deficiencies identified during an inspection and determined by the Township to be minor in character, the Applicant/Owner/Operator shall take action within 15 calendar days to resolve the deficiency. Major deficiencies, as determined by the Township Planner, shall be resolved by the Applicant/Owner/Operator within 30 calendar days. Failure to resolve such deficiencies within the required time period shall be a violation of this Ordinance.

Section 19. Annual Report

Each year, at least 30 calendar days before the March meeting of the Planning Commission, the Applicant/Owner/Operator of an extraction operation subject to the requirements of this Ordinance shall prepare and submit an Annual Report to the Township for Planning Commission review. The Report shall be subject to the following requirements:

- 19.1 **Information.** The Report shall include the following minimum required information:
- A. Tonnage and cubic yards of sand, gravel, and other materials removed from the extraction site.
 - B. Description of reclamation activities undertaken during the year.
 - C. Description of landscaping activities undertaken during the year.
 - D. Total acres of disturbed land (not restored) from one annual inspection date to the next, including processing plant area, un-seeded berms and slopes, un-reclaimed areas, un-reclaimed shorelines, areas stripped of topsoil, and water areas where active extraction is occurring.
 - (1) Total acres of wetlands removed during the year.
 - (2) Total acres of wetlands removed since operations commenced at the site.
 - E. Total acres of land reclaimed during the year, include amount and types of reclaimed land (e.g., acres of open water, acres of uplands, etc.) and total acres reclaimed since operations began at site.
 - (1) Total acres of wetlands reclaimed during the year.
 - (2) Total acres of wetlands reclaimed since operations commenced at the site.
 - F. Where the operation includes extraction below the existing groundwater table, the Applicant/Owner/Operator shall provide results of the following water quality test:
 - (1) The Applicant/Owner/Operator shall, in the presence of the Township's engineering consultant or other designated expert, collect and split with the Township's consultant surface and groundwater samples.
 - (2) The Applicant/Owner/Operator shall have an analysis of the samples performed at a state-certified water quality laboratory. Tests shall be performed on water supply and monitor wells in accordance with standards and parameters jointly established

by the Township's engineering consultant or other designated expert and the Applicant/Owner/Operator's expert, taking into consideration the type and level of extractive activities which have and/or which will occur on the site. In the event the experts disagree, then the Township's engineering consultant or other designated expert shall make the determination.

- (3) At a minimum, monitor wells shall be sampled and analyzed annually for the indicator parameters and biannually for the full list of chemical parameters identified in Subsection 10.1.C.(1), and compared to the State of Michigan's generic residential cleanup and screening criteria, as well as baseline water quality data for the site, if available.
- (4) At the option of the Township, annual residential and public water supply well sampling shall commence at a time based on consideration of groundwater flow rate, direction, and distance from the site boundaries. Water supply wells shall be sampled and analyzed for the parameters identified for baseline water quality data.
- (5) The Township, at the expense of the Applicant/Owner/Operator, may require additional testing frequency and/or analyses for additional parameters to better assess any potential water quality or quantity risks or concerns. The Township, at the expense of the Applicant/Owner/Operator, may also cause random tests to be performed on the split samples.

- G. Statement of planned extraction and reclamation activities for the next year.
- H. Statement regarding conformance to the approved extraction operations and reclamation plans and compliance with applicable federal and state regulations, including but not limited to the volume of material excavated and removed from the site, the volume of restoration material stockpiled on site, and the sufficiency of the stockpiled material to restore the then excavated site pursuant to the approved reclamation plan.
- I. Description of any complaints received during the prior calendar year and procedures used to resolve the complaints.
- J. A list of all equipment that is located on and used at the site, whether temporary or permanent.
- K. For sites with documented extraction activity during the reporting period, updated aerial photograph(s) of the entire site shall be provided at a scale not to exceed one (1) inch equals 200 feet, taken after extraction operations for the year have ceased and prior to the date of the Annual Report required under this Ordinance. Upon request by the Township Planner or designed Township engineering consultant to verify compliance with Permit plans or requirements of this Ordinance, the Planning Commission may require the submission of an updated topographic map overlay on an orthorectified photograph.
- L. Written evidence that the financial guaranties and liability insurance required pursuant to the Ordinance are in full force for a period of not less than 365 calendar days from the date of the Annual Report.
- M. Copies of all applicable permits and reports required by other governmental agencies with jurisdiction.

19.2 **Professional Evaluation.** The Township Planner shall review the Annual Report and may, at the expense of the Applicant/Owner/Operator to be paid from the escrow account, request that designated Township consultants evaluate the Report, water quality data, financial guarantees,

and/or site operations for compliance with this Ordinance, the approved Permit, and conditions of approval.

- 19.3 **Meeting(s) and Supplemental Information.** Following receipt of the Annual Report, the Planning Commission may require supplemental reports, presentations, or meetings with the Applicant/Owner/Operator to review the Annual Report and to discuss any existing or anticipated issues associated with the extraction operation.

Section 20. Financial Guarantees

To ensure compliance with this Ordinance, the approved Permit, and any conditions of Permit approval or renewal, and to ensure that the quality of water and operation of existing wells are not adversely affected by the activities conducted on the site, the Applicant/Owner/Operator shall furnish financial guarantees to the Township prior to the commencement or continuation of the extraction operation in accordance with the following requirements:

- 20.1 **Performance Guarantee.** The Applicant/Owner/Operator shall submit to the Township Planner a detailed cost estimate and scope of work for a licensed contractor to complete all required reclamation work to fully reclaim and restore the extraction site consistent with the approved Permit plans and this Ordinance. The Township Planner and/or any designated Township engineering consultant shall review the estimate and make recommendations to the Planning Commission, which may include a revised or separate estimate. The performance guarantee amount shall be set by the Planning Commission.
- A. At a minimum, the performance guarantee shall be in the amount of two hundred fifty thousand dollars (\$250,000.00) for any permitted extraction area where extraction operations have not yet been initiated. For all other extraction operations in the Township, the performance guarantee shall be not less than four hundred thousand dollars (\$400,000.00) per permitted extraction area.
 - B. Where one (1) Applicant/Owner/Operator controls two (2) or more separate extraction operations, the Planning Commission may accept one (1) unified financial guarantee that meets the cumulative requirements of this Section.
 - C. The guarantee amount associated with each approved Permit may be revised from time to time to reflect the amount necessary to cover the contingencies.
- 20.2 **Guarantee of Wells.** When the operation includes extraction below the existing groundwater table, the Applicant/Owner/Operator shall submit to the Township Planner a detailed cost estimate and scope of work for a licensed contractor to replace all wells identified in the Permit plans or by the Township as likely to be affected by the operation. The Township Planner and/or any designated Township engineering consultant shall review the estimate and make recommendations to the Planning Commission, which may include a revised or separate estimate. The performance guarantee amount shall be set by the Planning Commission.
- 20.3 **Form.** Guarantees shall be in the form of a letter of credit or surety bond payable to the Charter Township of Union executed by the Applicant/Owner/Operator and a reputable surety company. The letter of credit or surety bond must be issued by a corporate surety licensed to do business in the State of Michigan and rated AAA, as provided by the current AM Best's Key Rating Guide.
- A. The Charter Township of Union shall be named as obligee and the guarantees must be sufficient in amount and scope to allow the Township to call in and use the guarantee to complete the obligatory work covered by the guarantee in the event the

Applicant/Owner/Operator fails to do so as required by this Ordinance and any approved Permit.

- B. The letter of credit or surety bond must be renewed at least 60 calendar days prior to its expiration. In the event the guarantee is not renewed within 60 calendar days of its expiration, the Township may make a demand on all or some of the guarantee.
- C. If a guarantee lapses, all excavation activities on the site shall immediately cease and full reclamation shall be commenced.

Section 21. Indemnity Insurance

The Applicant/Owner/Operator shall secure and maintain a specific liability insurance policy issued by an insurer rated AAA, as provided by the current AM Best's Key Rating Guide, and adequate in amount and scope to cover anticipated property damage and bodily injury claims associated with the extraction operation, which shall be subject to the following additional requirements:

- 21.1 The amount of the liability insurance shall be not less than five million dollars (\$5,000,000.00) per incident for all liability claims arising out of the site.
- 21.2 The liability insurance shall name the Charter Township of Union and its elected officials, appointed officials, employees, and agents as additional named insured.
- 21.3 The Applicant/Owner/Operator shall provide a copy of this policy to the Township Planner prior to the start of any extraction operations on the site, and shall provide a minimum of 30 calendar days written notice before any policy change or cancellation.
- 21.4 Failure of the Applicant/Owner/Operator or any persons, firm or corporation named in the policy to maintain the insurance shall be considered a violation of this Ordinance.

Section 22. Violations, Penalties, and Permit Revocation

Any person, firm, corporation, or agent, or any employee, contractor, or subcontractor of same, who fails to comply with any of the provisions of this Ordinance, an approved Extraction Permit or any conditions of Permit approval, or who impedes or interferes with the enforcement of this Ordinance shall be deemed in violation of this Ordinance and shall be subject to the following:

- 22.1 **Public Nuisance.** Extraction operations carried on in violation of any provision of this Ordinance are hereby declared to be a nuisance per se and shall be subject to abatement or other action by a court of appropriate jurisdiction.
- 22.2 **Violators.** Each applicant, owner, operator or other person who commits, participates in, assists in, or maintains any violation of the Ordinance may be held responsible for a separate offense and may be subject to the penalties provided in this Section. The cost of prosecution shall also be assessed against each violator. The imposition of any penalty shall not exempt the offense from compliance with the requirement of this Ordinance.
- 22.3 **Municipal Civil Infraction.** Any person who violates or permits the violation of this Ordinance shall be responsible for a municipal civil infraction and shall be subject to a fine not to exceed the limits specified in the Township's Municipal Ordinance Violation Bureau Ordinance. Proceedings for the municipal civil infraction shall proceed as provided in that ordinance.
 - A. The imposition of a municipal civil infraction fine for any violation shall not excuse the violation or permit it to continue.
 - B. A person who violates or permits the violation of this Ordinance shall also be subject to additional sanctions, remedies, injunctions, judicial orders, penalties, enforcement costs

and expenses as provided for under Chapter 87 of the Revised Judicature Code, being MCL §600.8701, et. seq., as amended. Each day a violation of this Ordinance continues to exist constitutes a separate violation.

- 22.4 **Other Remedies.** The rights and remedies set forth above shall not preclude the use of other remedies provided by law, including any additional rights of the Township to initiate proceedings in an appropriate court of law to restrain or prevent any noncompliance with any provisions of this Ordinance, or to correct, remedy or abate such non-compliance.
- 22.5 **Rights and Remedies Preserved.** Any failure or omission to enforce provisions of this Ordinance or to prosecute a violation of this Ordinance shall not constitute a waiver of any rights and remedies provided by this Ordinance or by law, and shall not constitute a waiver nor prevent any further prosecution of violations of this Ordinance.
- 22.6 **Permit Revocation.** Failure on the part of the Applicant/Owner/Operator to correct a violation within the time period of a written notice shall also be grounds for the Planning Commission to take action to revoke the Permit in accordance with the following:
- A. Before taking action on any proposed Permit revocation, the Planning Commission shall hold a public hearing, at which time the Applicant/Owner/Operator shall be given an opportunity to present evidence in opposition to revocation.
 - B. At least 15 calendar days prior to the hearing, notices shall be sent by mail or personal delivery to the Applicant/Owner/Operator, posted at the Township Hall, and published once in the Township's newspaper of record. The notices shall include the time, date, place, and purpose of the hearing.
 - C. A Permit may be revoked by the Planning Commission upon determination that:
 - (1) The extraction operation has not been maintained in compliance with this Ordinance, the approved Permit, Permit plans or any conditions of approval.
 - (2) A material misrepresentation exists in the application or base documents; or
 - (3) The Permit is determined to be no longer relevant or necessary (such as an extraction operation where mining has concluded, and all land restoration work has been completed in accordance with approved plans).
 - D. Subsequent to the hearing, the decision of the Planning Commission with regard to the revocation shall be made and written notification provided to Applicant/Owner/Operator. Any notice of Permit revocation shall be accompanied by a demand that all activities immediately cease, and that reclamation and site restoration be done and completed as provided for in this Ordinance.

Section 23. Definitions

Applicant/Owner/Operator. An owner and/or lessee of mineral rights or any other responsible party engaged in or preparing to engage in extraction activities with respect to mineral rights within an existing or proposed extraction area. The terms "applicant", "owner", and "operator" shall include the tenants, lessees, agents, employees or assigns thereof.

Aquifer. A saturated permeable geologic unit capable of yielding a significant amount of groundwater to a well or spring.

Base Document(s). A document or set of documents required to be submitted under the applicable requirements of this Ordinance.

Beneficiation. To process (but does not include the drying process) the extracted materials for any of the following purposes: (i) Regulating the grain size of the desired product; (ii) Removing unwanted constituents; and (iii) Improving the quality and purity of the desired product.

Cell-Unit. A subunit of the total extraction project that will be reclaimed during extraction operations in another area.

Commencement Date. The date a permit is signed by the authorized representative(s) of the Planning Commission, or Township Board of Trustees, where applicable.

De-watering. The lowering of groundwater or surface water elevation by discharging water to an off-site location or to another portion of the site.

Engineering Consultant. The person, persons or firm designated by the Township to advise the Township on drainage, grading, paving, storm water management and control utilities, and other related site engineering and civil engineering issues.

Escrow fee. A sum paid to the Township to defray reasonable actual costs and expenses incurred by the Township to review an application and/or administer a permit and includes (but not limited to) costs for engineering, geologic, hydrologic, land use planning, legal, and other expert assistance and analysis; testing; inspections; publications, mailings; recording fees; and special meetings.

Extraction. The digging, dredging, quarrying, excavation, or other removal of sand, gravel, soil, or another non-metallic mineral from a site.

Extraction Area. The area, as depicted on a topographical map, from which earth materials are intended to be removed.

Extraction Operation. Extraction from the earth of mineral aggregates or non-metallic minerals for sale or use by the Applicant/Owner/Operator and includes the use of mining equipment or techniques to remove materials from the in-place non-metallic mineral deposit, as well as associated activities such as excavation, grading and dredging. Also, it includes processes carried out at a non-metallic mining site that are related to the preparation or processing of the mineral aggregates or non-metallic minerals obtained from the non-metallic mining site, such as, but not limited to stockpiling of materials, blending mineral aggregates or non-metallic minerals with other mineral aggregates or non-metallic minerals, grading, crushing, screening, and scalping; it does not include removal from the earth of products or commodities that contain only minor or incidental amounts of non-metallic minerals, such as commercial sod, agricultural crops, ornamental or garden plants, forest products, Christmas trees or plant nursery stock.

Fill. Soil, rocks, sand, waste of any kind, or any other material that displaces soil or water or reduces water retention potential.

Fixed Costs. Costs incurred by the Township generally shared by all applications as determined time to time by the Township Board of Trustees.

Groundwater. Water below the land surface in a zone of saturation.

Groundwater Elevation. The level to which groundwater will rise naturally in a well and measured in relation to sea level.

Groundwater Recharge. The process involved in the addition of water to the zone of saturation or the amount of water added.

Groundwater Recharge Area. Any area on the ground that facilitates the addition of water to the zone of saturation; generally, it is that portion of the drainage basin where the direction of groundwater flow near the surface is downward (e.g., away from the water table).

Hydrogeologic Study. A document presenting and interpreting a sufficient collection of field data and published data to identify, define, and describe groundwater and surface water (including wetlands)

resources, conditions (e.g., location, extent, depth, flow direction, and quality), interactions (e.g., groundwater discharges to surface waters or supports a wetland), and potential impacts on those resources from proposed activities.

Master Plan. The adopted comprehensive future land use and growth management plan for The Township, as adopted in accordance with the Michigan Planning Enabling Act, Public Act 33 of 2008, as amended (MCL 125.3801 et seq.).

Non-Metallic Minerals. A product, commodity or material consisting principally of naturally occurring, organic or inorganic, non-metallic, non-renewable material. Non-metallic minerals include, but are not limited to, stone, sand, gravel, clay, peat, and topsoil.

Operator. See “**Applicant/Owner/Operator.**”

Ordinance Enforcement Official. The Director of the Township’s Community and Economic Development Department and any person, persons or firm as delegated by the Director to have responsibility for investigation of violations and enforcement of this Ordinance.

Overburden. earth materials situated below the layer of topsoil and above the mineral deposit to be extracted from the site that must be removed prior to mining.

Owner. See “**Applicant/Owner/Operator.**”

Permit. A document issued pursuant to this Ordinance, which authorizes the extraction of materials on a specified parcel of land.

Person. Any individual or combination of individuals, corporations, limited liability companies, partnerships, or other legally recognized entities.

Planning Commission. The Planning Commission for the Charter Township of Union, Isabella County, Michigan, as authorized by the Michigan Planning Enabling Act and Michigan Zoning Enabling Act.

Processing. The washing, sorting, crushing, aggregating, grinding, blending, mixing, or cutting of extracted material from the extraction site.

Reclamation. To recondition, rehabilitate or restore the extraction area and associated property, or portions thereof, to a self-sustaining, long term useful purpose which is compatible with contiguous land uses, which protects the natural resources, including the control of erosion and the prevention of land or rock slides and air and water pollution, and which process shall include the re-establishment of vegetation, soil stability, and establishment of safe conditions appropriate to the intended use of the land in accordance with the Master Plan and Zoning Ordinance.

Runoff. Water from rain, snowmelt, irrigation or other source that flows over a land surface.

Sediment Basins, Settling Ponds or Settling Basins. Typically, a series of ponds that are designed to clarify (i.e., remove fine particles from) water used for processing materials extracted from the site.

Site. A parcel of land upon which activities are conducted subject to this Ordinance.

Surface Water. Water that is on the earth’s surface, such as in a stream, river, lake or reservoir.

Topsoil. The fertile, dark-colored surface soil; the upper layer of soil, usually richer than the subsoil; generally, the “A” horizon.

Township. Charter Township of Union situated in the County of Isabella, State of Michigan.

Township Board of Trustees. The elected board of trustees for The Charter Township of Union, Isabella County, Michigan. Also referred to as the “**Township Board.**”

Township Planner. The Director of the Township’s Community and Economic Development Department and any person, persons or firm as delegated by the Director to have responsibility for administration of this Ordinance.

Water Table. The surface of unconfined groundwater at which the pressure is atmospheric. The water table is found at the level at which water stands in wells that penetrate the unconfined groundwater zone. Also referred to as “**groundwater table.**”

Wetland. Lands transitional between terrestrial and aquatic systems where the water table is usually at or near the land surface or the land is saturated with or covered by water. Some wetland areas are more commonly referred to as bogs, swamps or marshlands. Wetlands shall also have one (1) or more of the following attributes: a. At least periodically, the land supports predominantly hydrophytes. b. The substrate is predominantly un-drained hydric soil. c. The substrate is saturated with water or covered by shallow water at some time during the growing season of each year.

Wetland, Regulated. Certain wetlands as regulated by the State of Michigan, the Township’s Wetland Ordinance or other governmental agency.

Wildlife Habitat. A geographical area containing natural, climatic, physical, or biological features that are unique to a specific area generally occupied by a particular wildlife species.

Zoning Ordinance. The ordinance regulating development and use of land as adopted by the Township Board of Trustees in accordance with the Michigan Zoning Enabling Act, being Public Act 110 of 2006, as amended (MCL 125.3101 et seq.).

Section 24. Severability

This Ordinance and its various parts, sections, subsections, phrases and clauses are severable. If any part, sentence, paragraph, section, subsection, phrase or clause is adjudged unconstitutional or invalid, it is hereby provided that the remainder of this Ordinance, its parts, sections, subsections, phrases, sentences and clauses are intended to be valid, irrespective of the fact that any one or more parts, sections, subsection, phrases, sentences or clauses be declared invalid.

Section 25. Repeal

All ordinances or parts of ordinances in conflict with the provisions of this Ordinance, except as herein provided, are hereby repealed only to the extent necessary to give this Ordinance full force and effect.

Section 26. Publication

The Clerk for the Township shall cause this Ordinance to be published in the manner required by law.

Section 27. Effective Date

This Ordinance was approved and adopted by the Township Board of Trustees, Isabella County, Michigan, on _____, 2020, after a first reading by the Township Board of Trustees on March 11, 2020, and publication after such first reading as required by Michigan Act 359 of 1947, as amended. This Ordinance shall become effective immediately upon publication of a summary of the ordinance and notice of adoption in a newspaper of general circulation in the Township, following adoption by the Township Board of Trustees.

CERTIFICATION OF ADOPTION AND PUBLICATION OF TOWNSHIP ORDINANCE

I, Lisa Cody, the duly elected Clerk of the Charter Township of Union, Isabella County, Michigan, hereby certify that the foregoing Ordinance was adopted at a meeting of the Charter Township of Union Board of Trustees on the _____ day of _____, 2020, at which the following named members of the Charter Township of Union Board of Trustees were present and voted in person as follows:

(a) Voting in favor of the Ordinance:

(b) Voting against adoption of the Ordinance:

I further certify that a summary and notice of adoption of this Ordinance were published in the Morning Sun, a newspaper of general circulation within the Charter Township of Union on the _____ day of _____, 2020 and that proof of same is filed in the Charter Township of Union Ordinance Book.

Certification Date: _____, 2020

Lisa Cody, Clerk

I, Ben Gunning, the duly elected Supervisor of the Charter Township of Union, Isabella County, Michigan, hereby confirm the authenticity of this record and Ordinance.

Ben Gunning, Supervisor

Date: _____, 2020



MediaNews Group

MICHIGAN GROUP

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 Address: **2010 S Lincoln**
Mount Pleasant, MI 48858

 Telephone: **(989) 772-4600**
 Fax: **(000) 000-0000**
 Description: **CHARTER TOWNSHIP OF UNION NOTICE OF**

Date: **04/01/20**
 Start Date: **04/02/20** Stop Date: **04/02/20**
 Class: **1201 - Legal Notices**
 Ad ID: **1985495**
 Ad Taker: **CRLHAMLIN**
 Sales Person: **Linda Hamlin (200308)**
 Words: **1434**
 Lines: **129**
 Agate Lines: **396**
 Depth: **14.6**
 Inserts: **2**
 Blind Box:
 PO Number:

Ad sample

Total: **\$796.62**

Paid Amount: **\$0.00**

Amount Due: **\$796.62**

**CHARTER TOWNSHIP OF UNION
 NOTICE OF PUBLICATION BY POSTING A SUMMARY OF THE
 PROPOSED EXTRACTION ORDINANCE**

Notice is hereby given that the first reading of the proposed Extraction Ordinance was made at the regular meeting of the Charter Township of Union Board of Trustees on March 11, 2020. The ordinance will be considered for the second reading and adoption at the regular Board of Trustees meeting on April 8, 2020, which will be held at 7:00 p.m. as an electronic meeting consistent with direction from the Governor and state and county health officials to slow the spread of the COVID-19 virus.

The Township Hall is closed to the public, so there will be no in-person public attendance in the Township Hall Board Room (2010 S. Lincoln Rd., Mt. Pleasant, MI 48858). The meeting agenda, packet of materials for the meeting, and instructions for connecting to the meeting electronically and for public comments will be available on the Township's website under "Announcements" and under "Minutes and Board Packets" at: <http://www.uniontownshipmi.com/>.

The following is a summary of the proposed Extraction Ordinance. A true copy of the proposed ordinance may be inspected or obtained upon request during business hours at the Charter Township of Union office, 2010 South Lincoln Road, Mt. Pleasant, MI 48858, or on the Township's website under Announcements at <http://www.uniontownshipmi.com/>.

Section 1 (Chart Title) establishes the title of the ordinance.
Section 2 (Intent and Purpose) establishes the intent and purposes of the ordinance to provide for utilization of sand, gravel, and other non-metallic mineral resources in a manner that is compatible with nearby residents, protect human health and the environment, and ensure complete site reclamation at the conclusion of extraction operations.
Section 3 (Authority and Scope) confirms the Township's authority to regulate extraction operations to protect the public health, safety, and welfare, and that the ordinance requirements are the minimum necessary for this purpose.
Section 4 (Prohibitions) confirms that it shall be unlawful to extract non-metallic minerals or import fill materials in a manner that violates any provision of this ordinance.
Section 5 (Exemptions) specifically excludes from regulation customary agricultural activities; customary work within a road right-of-way or drainage easement; environmental remediation; construction of solid waste disposal facilities subject to state permits; and grading or excavation for construction of structures or septic systems.
Section 6 (Application Procedure) establishes a review procedure for extraction permit applications and renewals, sets a public hearing requirement and standards for public notice, and confirms the authority of the Township Board of Trustees to establish required application fees and escrow deposits by resolution to defray anticipated administrative and enforcement costs. This section also confirms that an extraction permit shall be approved if the Planning Commission has determined that all necessary information has been provided, that the application satisfies all applicable Township ordinance requirements necessary for Permit approval or renewal, that the applicant has the resources necessary to comply with this Ordinance, that the site will be reclaimed to a safe and harmonious condition compatible with surrounding land uses and the Master Plan, that required fees, financial guarantees, and evidence of insurance have been submitted, that all required outside agency permits are in effect, that the water table, water quality, surrounding wells, and surface water resources will not be adversely affected, that reclamation regulations have been satisfied, and that the operation will not dilute or segregate the environment, interfere with quiet enjoyment of persons in the vicinity or adversely affect the health, safety or welfare of the community.
Section 7 (Base Documents) lists the maps, photographs, studies, analyses, and data required for an extraction permit application and establishes a process for requesting a waiver or modification of a required base document or item of information.
Section 8 (Public Documents) lists the public documents required for an extraction permit application, such as ownership and easement documentation, contact information for persons, firms, corporations or other entity having legal or equitable interest in the property, copies of all existing federal, state, and county permits in effect, and documentation of the applicant's right to conduct business in the State of Michigan.
Section 9 (Survey, Base Maps, and Photographs) establishes minimum standards that apply to the survey, topographic map, aerial photograph, site inventory map, and resource exploration map as may be required by this Ordinance for an extraction permit application.
Section 10 (Additional Studies and Analysis) establishes minimum standards that apply to a hydrogeologic study, environmental impact analysis or other technical report that may be required as part of an application, based on the scope of a proposed extraction operation.
Section 11 (Mining Plan) establishes minimum standards that apply to the mining plan required by this Ordinance, including plan preparation and content requirements, a plan for sound and visual screening of the site, descriptions of the nature and type of operations, an overall extraction plan for the site, an estimated schedule for each progressive cell-unit of the operation, and a wetland mitigation plan if required by applicable regulations.
Section 12 (Reclamation Plan) establishes minimum standards that apply to the reclamation plan required by this Ordinance, including an overall plan for complete reclamation of the site at the conclusion of the operation, an estimated schedule for progressive reclamation activities, limitations on the steepness of reclaimed slopes, provisions for grading, slope stabilization, and re-vegetation, and a conceptual end-use plan for the reclaimed site consistent with the Master Plan and zoning Ordinance.
Section 13 (Specific Operating Conditions and Regulations) establishes additional operating conditions and regulates that apply to all extraction operations, including a requirement that no extraction activity shall be conducted closer than 200 feet from any road right-of-way, 50 feet from any existing residence, and 50 feet from any other boundary. This section also prohibits blasting, limits extraction below the water table and importation of fill materials, and establishes standards for fencing, warning signs, hours of operation, and noise mitigation.
Section 14 (Ingress-Egress Requirements) establishes ingress and egress standards for the extraction operation, including provisions for haul route acceptance, the internal access drive, and cleanup of spillage from transportation activities.
Section 15 (Screening Requirements) establishes minimum screening requirements for all extraction operations, including provisions for installation of perimeter berms.
Section 16 (Variance) establishes a procedure and criteria for consideration by the Township Board of Trustees of any applicant's request to vary from an ordinance requirement.
Section 17 (Appeals) establishes a procedure for consideration by the Township Board of Trustees of any appeal from a person approved by a Planning Commission decision under this ordinance.
Section 18 (Inspections) confirms that the Township may conduct inspections and cause or perform such tests necessary to ensure that activities conducted on the site comply with this ordinance and other Township ordinances, and sets standards for corrective actions and notices associated with non-compliance found during inspections.
Section 19 (Annual Report) establishes a requirement for submission of a detailed annual report to the Township detailing reclamation activities undertaken during the year, planned extraction and reclamation activities for the next year, the total amount of materials removed during the year, the total acreage of disturbed land not yet restored, conformance to the requirements of this ordinance and outside agency regulations, and details of complaints received and procedures used to resolve them.
Section 20 (Financial Guarantees) establishes minimum requirements and criteria for determining the amounts of required financial guarantees for reclamation and site restoration, and for replacement of wells adversely affected by the operation.
Section 21 (Bodily Injury Insurance) establishes minimum requirements for a liability insurance policy to cover anticipated property damage and bodily injury claims associated with the extraction operation.
Section 22 (Violations, Penalties, and Permit Revocation) establishes penalties for violations of this ordinance, including a municipal civil infraction, a permit revocation procedure, and other remedies available to the Township to correct, remedy or abate non-compliance.
Section 23 (Definitions) defines various terms used in the ordinance.
Section 24 (Severability) confirms that the elements of this ordinance are severable as provided by law.
Section 25 (Repeal) confirms the repeal of Township ordinances or parts thereof that conflict with provisions of this ordinance to the extent necessary to give this Ordinance full force and effect.
Section 26 (Publication) confirms that applicable publication requirements of state law will be met.
Section 27 (Effective Date) establishes the effective date of the ordinance, based on adoption and publication requirements.

Publication of the ordinance was made by this notice and posting of the true copy of the proposed ordinance at the Charter Township of Union office and on the Township's website pursuant to the requirements of the Charter Township Act (Public Act 399 of 1947, as amended, being MCL 42.1 - MCL42.34).

Publication
 Morning Sun, morningstarpublishing.com

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REQUEST FOR TOWNSHIP BOARD ACTION

To: Board of Trustees	DATE: March 20, 2020
FROM: Mark Stuhldreher, Township Manager	DATE FOR BOARD CONSIDERATION: 3/25/20
ACTION REQUESTED: Consider amendments to item #2 of the Duties and Authority section of the Township Manager Employment Contract to clarify that authority for removal of township staff vest with the position of Township Manager in accordance with Township Manager job description and Governance Policy Manual	

Current Action Emergency

Funds Budgeted: If Yes Account # _____ No N/A

Finance Approval MDS

BACKGROUND INFORMATION

At the February 12, 2020 Board meeting, the Manager was directed to review the Governance Policy Manual, the Township Manager Job Description and the Township Manager’s Employment Agreement and recommend language that would vest the authority to terminate or discharge an employee of the Township with the Township Manager.

At the February 26, 2020 Board meeting, amendments were approved to the Governance Policy Manual Section 4 and the Township Manager Job Description such that the authority to terminate or discharge an employee of the Township now is vested with the Township Manager.

The final document needing amending is the Township Manager’s Employment Agreement. Item #2 of the Duties and Authorities currently reads as follows:

“Stuhldreher shall be responsible to hire, supervise, direct, assign, reassign and evaluate all Township employees in a manner consistent with applicable policies, ordinances, charter provisions, state and federal law.”

It is recommended that this section be amended to read as follows (changes are shown in red):

*“Stuhldreher shall be responsible to hire, supervise, direct, assign, reassign, **terminate**, and evaluate all Township employees in a manner consistent with applicable policies, ordinances, charter provisions, state and federal law.”*

SCOPE OF SERVICES

Not applicable

JUSTIFICATION

By amending item #2 of the Duties and Authorities section of the Employment Agreement all relevant documents regarding this matter will be in alignment.

PROJECT IMPROVEMENTS

The following Board of Trustees goals are addressed with these changes (From Policy 1.0: Global End)

- Community well-being and common good
- Prosperity through economic diversity, cultural diversity, and social diversity
- Safety
- Health
- Natural environment
- Commerce

COSTS

Not applicable

PROJECT TIME TABLE

Not applicable

RESOLUTION

Be it Resolved that item #2 of the Duties and Authorities section of the Township Manager’s Employment Agreement is amended to read as follows:

Stuhldreher shall be responsible to hire, supervise, direct, assign, reassign, terminate, and evaluate all Township employees in a manner consistent with applicable policies, ordinances, charter provisions, state and federal law

Resolved by _____ Seconded by _____

Yes:

No:

Absent:

REQUEST FOR TOWNSHIP BOARD ACTION

To: Board of Trustees	DATE: March 18, 2020
FROM: Mark Stuhldreher, Township Manager	DATE FOR BOARD CONSIDERATION: 03/25/2020
ACTION REQUESTED: Board of Trustees annual review of Board Governance Policy No. 3.3 – Board Members’ Code of Conduct	

Current Action Emergency

Funds Budgeted: If Yes Account # _____ No N/A

Finance Approval _____ *MDS*

BACKGROUND INFORMATION

The Board Governance Policy was originally adopted in 2010 with subsequent amendments in 2013, 2014, 2018, 2019 and 2020. The purpose of the Policy is to assist the Board of Trustees in the execution of their duties as a policy making body. Through the articulation of various policies within the totality of the document, the Board of Trustees is encouraged to focus on long term organizational outputs and the discharge of its fiduciary responsibilities.

Certain policies, such as Policy 3.3 (Board Members Code of Conduct), are to be reviewed and monitored for compliance on an annual basis.

Attached to this memo is an evaluation form that can be used for the review/discussion of Policy No. 3.3.

Board Policy 3.3 - Board Members’ Code of Conduct

At the highest level, the policy states:

The board commits itself and its members to ethical, businesslike, and lawful conduct, including proper use of authority and appropriate decorum when acting as board members.

Due to length, the complete policy is attached to this memo. Also attached is an evaluation form that can be used for the review/discussion of Policy No. 3.3.

SCOPE OF SERVICES

Not applicable

JUSTIFICATION

An annual review of Board Policies allows for the Board of Trustees to monitor itself regarding adherence to policies that apply to the Board of Trustees.

PROJECT IMPROVEMENTS

The following Board of Trustees goals are addressed in this review (From Policy 1.0: Global End)

- Community well-being and common good
- Prosperity through economic diversity, cultural diversity, and social diversity
- Safety
- Health
- Natural environment
- Commerce

COSTS

Not applicable

PROJECT TIME TABLE

Not applicable

RESOLUTION

Not applicable

Policy Name: 3.3 Board Members' Code of Conduct
Type of Review: Internal by the Board
Review Occurrence: Annual
Date: March 2020

Policy Wording

3.3 POLICY TITLE: BOARD MEMBERS' CODE OF CONDUCT

The board commits itself and its members to ethical, businesslike, and lawful conduct, including proper use of authority and appropriate decorum when acting as board members.

- 3.3.1 Members must have loyalty to the ownership, unconflicted by loyalties to staff, other organizations, and any personal interest as a consumer.
- 3.3.2 Members must avoid conflict of interest with respect to their fiduciary responsibility.
 - 3.3.2.1 There will be no self-dealing or business by a member with the organization. Members will annually disclose their involvements with other organizations, with vendors, or any associations that might be or might reasonably be seen as being a conflict.
 - 3.3.2.2 When the board is to decide upon an issue, about which a member has an unavoidable conflict of interest, that member shall abstain herself or himself without comment from not only the vote, but also from the deliberation.
 - A. Exception: Where a board member has special expertise and has a conflict of interest, the board may choose to allow the member with the conflict to participate in the discussion, but not the vote.
 - 3.3.2.3 Board members will not use their board position to obtain employment in the organization for themselves, family members, or close associates.
- 3.3.3 Board members may not attempt to exercise individual authority over the organization.
 - 3.3.3.1 Members' interaction with the Township Manager or with staff must recognize the lack of authority vested in individuals except when explicitly board authorized.
 - 3.3.3.2 Member interaction with public, press or other entities must recognize the same limitation and the inability of any board member to speak for the board except to repeat explicitly stated board decisions.
 - 3.3.3.2.1 When interacting with public, media or other entities, Board members must recognize explicitly stated board decisions.
 1. The Township Supervisor is the official spokesperson for the Board and may delegate that role.
 2. Board members may discuss CONTENT issues with the media but not personal attacks on other Board member(s).

3. Preceding any comment to the media, board members will make it clear that their comments are personal opinion as an individual member of the board and citizen of the township and not the position of the board.
4. In the case of existing legal proceedings, from the point of suit filed to final disposition or public Board action, board members will direct media questions on the specific lawsuit to the Township Manager.

3.3.3.3 Except for participation in board deliberation about whether reasonable interpretation of board policy has been achieved by the Township Manager, members will not express individual judgments of performance of employees of the Township Manager.

3.3.4 Members will respect the confidentiality appropriate to issues of a sensitive nature.

3.3.5 Members will be properly prepared for board deliberation.

Use this evaluation form for discussion at the Board of Trustees Meeting on March 25, 2020.

Review all sections of the policy listed and evaluate our compliance with policy.

1. Indicate item by item if you believe the Board is in strict compliance with the policy as stated.

2. If you indicated that the Board is not in strict compliance with the policy as stated, please indicate what you notice that gives evidence that the Board is not in compliance?

3. How do you think the Board could improve the process to be in full compliance?

4. What does the Board need to learn or discuss in order to live by its' policies more completely?