WHITEWATER TOWNSHIP BOARD AGENDA REGULAR MEETING – OCTOBER 11, 2022

9:00 a.m. at the Whitewater Township Hall 5777 Vinton Road, Williamsburg, MI 49690 Phone 231-267-5141/Fax 231-267-9020

At this time, the Board invites everyone to silence their electronic devices.

Whitewater Zoom is inviting you to a scheduled Zoom meeting.

Topic: Township Board Meeting

Time: Oct 11, 2022 09:00 AM Eastern Time (US and Canada)

Join Zoom Meeting

https://us06web.zoom.us/j/85396708388?pwd=RXF1bFAraE4vbCtPcVo2ZWRlblZ4UT09

Meeting ID: 853 9670 8388 Passcode: 745960

One tap mobile +13126266799, 85396708388#,*745960# US (Chicago) +16465588656, 85396708388#,

*745960# US (New York)

Dial by your location: +1 312 626 6799 US (Chicago), +1 646 558 8656 US (New York) +1 646 931 3860 US, +1 301 715 8592 US (Washington DC), +1 720 707 2699 US (Denver)

Find your local number: https://us06web.zoom.us/u/kdvgz1ddbU

Whitewater Township will provide necessary reasonable auxiliary aids and services to individuals with disabilities upon reasonable advance notice. Contact the Township Clerk at 231.267.5141 Ext. 24 at least 5 days in advance of the meeting.

- A. Call to Order
- B. Roll Call of Board Members
- C. Set/Adjust Meeting Agenda
- D. Declaration of Conflict of Interest
- E. Public Comment. Any person shall be permitted to address a meeting of the township board. Public comment shall be carried out in accordance with the following board rules and procedures:
 - 1. Comments shall be directed to the board, with questions directed to the chair.
 - 2. Any person wishing to address the board shall speak from the lectern and state his or her name and address.
 - 3. Persons may address the board on matters that are relevant to township government issues.
 - 4. No person shall be allowed to speak more than once on the same matter, excluding the time needed to answer board member's questions. The chair shall control the amount of time each person shall be allowed to speak, which shall not exceed five (5) minutes.
 - 5. In order to avoid unscheduled debates, the board generally will not comment or respond to public comment. Silence or non-response from the boar should not be interpreted and disinterest by the board.

F. Public Hearing – None

- G. Reports/Presentations/Announcements/Comments
 - 1. County Board of Commissioners
 - 2. Fire Department Report -
 - 3. Planning Commission Report –
 - 4. Parks & Recreation Advisory Committee Report
 - 5. Julie Brown Elk Rapids Schools Superintendent Flexible arrival time.

H. Consent Calendar

Receive and File

- 1. Supervisor's Report for September 2022
- 2. Clerk's Report for September 2022 (none this month)
- 3. Treasurer Report September 2022
- 4. Trustee Vollmuth's September 2022 Report
- 5. Trustee Glenn's September 2022 Report
- 6. Zoning Administrator's Report for September 2022
- 7. Mobile Medical Response's September 2022 Activity Report
- 8. Fire Department September 2022 Report
- 9. Planning Commission September 2022 Report (none for this month)
- 10. Historical Society September 2022 Report (none for this month)

Correspondence

- 1. Jacob Fox Ordinance 62 Final
- 2. Fleis & Vanderbrink Grants
- 3. Bell GFL Billing
- 4. Lossie Train/Battle Creek Cleanup
- 5. Damon McCormick Petobego Haying Schedule
- 6. Gerwin Whitewater Township Park
- 7. Goss Infrastructure 1
- 8. Goss Infrastructure 2
- 9. Popp Proposed Budget Transfers

Minutes

1. No minutes posted to website.

Bills for Approval

1. No documents provided by the Clerk's Office in time for publishing.

Budget Amendments No documents provided by the Clerk's Office in time for publishing.

Revenue & Expenditure Report No documents provided by the Clerk's Office in time for publishing

I. Unfinished Business

- 1. Update on WWT playground repairs
- 2. Lossie Road/Battle Creek Cleanup Update
- 3. Review/Approve Proposed Ordinance 63 Parking Ordinance.
- 4. WWT Playground Repairs Written Timeline
- 5. Hi Pray Park Playground Repairs PRAC

6. Approve July 12, 2022, July 19, 9:00 a.m., and July 19, 2022 6:00 p.m. Township Board Minutes

J. New Business –

- 1. Fire Department New Personnel
- 2. Fire Department Memorandum to sell
- 3. Discuss Results of ARPA Survey
- 4. Discus County ARPA Grant Applications
- 5. Broadband Set Special Meeting Date.
- 6. Feasibility Report Discussion/Set Special Meeting
- 7. Proposed Resolution 22-17 Transfer of Non-Restricted Funds
- 8. Proposed WWT Policy & Procedure Manual Section 4.5 Amendment
- 9. Receive & File Marihuana Subcommittee Final Rules
- 10. Moratorium Site Plan Review
- 11. Parking Lot Lights Repair Proposal
- 12. Boat Launch Schedule Special Meeting
- 13. Discuss/Schedule Mid-Year Budget/Project Work Session

£££

K. Tabled Items

1. None

L. Board Comments/Discussion

M. Announcements

1. Next Regular Whitewater Township Board Meeting November 15, 2022

N. Public Comment

O. Adjournment

Whitewater Township will provide necessary reasonable auxiliary aids and services to individuals with disabilities who are planning to attend. Contact the township clerk at 231-267-5141.

To: Whitewater Township Board

From: Ron Popp, Township Supervisor

Date: 10.11.2022

Re: Consent Calendar October 11, 2022 Whitewater Township Board Meeting

Receive & File -

- 1. Supervisor's Report for September 2022
- 2. Clerk's Report for September 2022 (none this month)
- 3. Treasurer Report September
- 4. Trustee Vollmuth's September 2022 Report
- 5. Trustee Glenn's September 2022 Report
- 6. Zoning Administrator's Report for September 2022
- 7. Mobile Medical Response's September 2022 Activity Reports Not Available.
- 8. Fire Department September 2022 Report
- 9. Planning Commission September 2022 Report None this month
- 10. Historical Society September 2022 Report None this month

Correspondence

- 1. Jacob Fox Ordinance 62 Final
- 2. Fleis & Vanderbrink Grants
- 3. Bell GFL Billing
- 4. Lossie Train/Battle Creek Cleanup
- 5. Damon McCormick Petobego Haying Schedule
- 6. Gerwin Whitewater Township Park
- 7. Goss Infrastructure 1
- 8. Goss Infrastructure 2

Minutes -

1. None posted as of 10.01.2022

Bills for Approval – Not Available at Time of Posting

Budget Amendments Required documents not supplied.

Revenue & Expenditure Report – Pending

Motion to Approve Consent Calendar.

£££

Whitewater Township Supervisor's Report September 2022

1) Investigate citizen observations:

- A. Parking Lot LED light is causing some issues with the neighbors. In the process of following up on this observation, it seems that the last two lighting upgrades at the Township Hall do not comply with our own Zoning Ordinance. Flag pole light and the new LED Parking lot light are both out of compliance. The parking lot light issue is elsewhere in the October 11, 2022 agenda. The flag pole light will be addressed at a later time.
- B. Two Personnel issue were reported this month. Both observations are under review.

2) Office duties:

A. Meetings:

- 1) Two follow up Freedom of Information Act (FOIA) request were received this month representing more than 3 additional hours of work for the Supervisor's Office. See Public Act 442 of 1976. for more FOIA information. Visit the Supervisor's webpage at Supervisor | Whitewater Township Whitewater Township to download FOIA forms.
- 2) Thank you to Trustee Don Glenn for his assistance at the Mill Creek Elementary School with the public address system for the townhall meeting. His time spent on the project was invaluable.
- 3) No time was devoted to research easement questions on the Lossie Road Nature Trail.
- 4) Board Members gathered for two special meeting in the month of September. One such gathering was the Townhall meeting September 22, 2022. The event went well but, was not well attended with under thirty people attending.
- 5) Attended the monthly Supervisor's meeting. County ARPA grant process and projects were talked about. Additional ordinance enforcement officer (OEO) options were a secondary benefit of the gathering. The override of local control with short term rental legislation continues to be a cause for concern.
- 6) Welcomed Randy Mielnik of North Place Planning to the Township. Mr. Mielnik was brought on as a planning consultant to assist the Planning Commission with their Master Plan and Ordinance review process.

3. Other Items of Interest:

1) 365 Outdoor Maintenance confirmed no changes to the multiyear contract for snowplowing in 2022/2023.

- 2) The Township currently has openings on the Board of Review. If you have any desire to serve the community in this way, please contact the Supervisor's Office at 231.267.5141 ext. 23 for more information.
- 3) Zoning Administrator Bob Hall has provided his recommendations for ongoing ordinance enforcement issues in the Township. There was not enough time to process and generate a business item for October. Work will continue for the November agenda.
- 4) Repairs at the Whitewater Township Park playground repairs were to be completed by September 22, 2022. Thus far no written report confirming the repairs has been provided to the Board.
- 5) It should be noted recent minutes are not posted to the website. Easy access to public information is essential to generate the board packet and to keep the public informed. There is no logical reason to withhold public information.
- 6) Thank you to numerous residents that assisted with the Town Hall meeting at Mill Creek Elementary School. The program would not have been possible without your help.
- 7) No time was allotted to verify the legal description of the N- Industrial Zoning District.

Respectfully Submitted,

Ron Popp

Whitewater Township Supervisor.



August 2022 Treasurer reports for board packet

1 message

Ardella M Benak <treasurer@whitewatertownship.org>
To: Ron Popp <supervisorwhitewater@gmail.com>

Wed, Sep 28, 2022 at 2:31 PM



Whitewater Township

Bank Accounts

August 31, 2022 Prior to Balancing with Clerk

	Balance
General Fund Checking - ASB	
General Fund-ASB - 101	715,433.39
Road Fund-ASB- 203	32,599.77
Road Repair/Rep-ASB - 204	416,870.76
Fire Fund-ASB- 206	255,989.44
Park Fund-ASB - 208	402,585.50
Recreation Fund-ASB - 209	7,608.15
Ambulance Fund-ASB- 210	418,769.07
Public Imprvmt Fund-ASB - 401	128,836.83
Fire Cap Imprvmt Fund-ASB- 406	145,749.11
Payroll Clearing-Gen Fund-750	12,676.36
Total General Fund Checking	2,537,118.38
General Fund MM - ASB	153,651.84
General Fund Savings - FCB	11,036.31
Property Tax Fund - FCB Property Tax Fund FCB - 703	898,043.68
reporty run runu robertoo	696,040.06
Federal Funds (ARPA) - FCB	
Federal Fund FCB 285	295,434.22

Whitewater Township

Cash Balance Report August 31, 2022

Prior to Balancing with the Clerk

101 General Fu		4	7.7. 400.00
101-000-001	General Fund-ASB - 101	\$	715,433.39
101-000-003	General MM - 101		102,421.74
101-000-005	Tower Removal FCB Savings		11,036.31
	Total 101		828,891.44
203 Road Fund	Deed Pand ACD, 000		20 500 77
203-000-001	Road Fund-ASB- 203		32,599.77
203-000-003	Road Fund MM - 203		20.31
	Total 203		32,620.08
	r/Replacement Fund		
204-000-001	Road Repair/Rep-ASB - 204		416,870.76
	Total 204		416,870.76
206 Fire Fund			
206-000-001	Fire Fund-ASB- 206		255,989.44
206-000-003	Fire MM - 206		25,604.90
	Total 206		281,594.34
208 Park Fund			
208-000-001	Park Fund-ASB - 208		402,585.50
208-000-003	Park MM - 208		18,435.58
	Total 208		421,021.08
209 Recreation	Fund		
209-000-001	Recreation Fund-ASB - 209		7,608.15
	Total 209		7,608.15
210 Ambulance	Fund		
210-000-001	Ambulance Fund-ASB- 210		418,769.07
	Total 210		418,769.07
211 Ambulance	Replacement Fund		
	Total 211		0.00
401 Public Impr	ovement Fund		
401-000-001	Public Imprvmt Fund-ASB - 401		128,836.83
	Total 401		128,836.83
406 Fire Capita	l Improvement Fund		
406-000-001	Fire Cap Imprvmt Fund-ASB- 406		145,749.11
406-000-003	Fire Cap Imp MM - 406		7,169.31
	Total 406	on.o.o.u.u	152,918.42

CLERK / TREASURER BALANCING ONLY Printed September 28, 2022

Whitewater Township

Cash Balance Report August 31, 2022

Prior to Balancing with the Clerk

Federal Fund (A			005.404.00
285-000-001	Federal Fund FCB 285		295,434.22
	Total 285		295,434.22
703 Property To			
703-000-001	Property Tax Fund FCB - 703		898,043.68
	Total 703		898,043.68
750 Payroll Cle	aring Fund		
750-000-001	Payroll Clearing-Gen Fund-750		12,676.36
	Total 750		12,676.36
	Grand Total	\$	3,895,284.43

October Report from Heidi V Your Trustee.

School is in session. Let us get back to basics and 123's!

This month has been an exciting one with a town hall meeting for ARPA funds and gathering information to assist the Fire Chief in our fire truck grant proposal. It was fun fielding calls and emails regarding the boat launch project. Concerns were the following: What about the pit toilets? Why has the cost doubled? Who is watching this large ongoing project? Will grants be written? What about the road entrance and the giant road ruts at Elk Lake and Park? The boat launch project costs are going higher and higher. This project needs a step back and re-examined. The "FREE" money statements need to be placed in the proper context. The money generated by the parks is not "FREE" money to be spent haphazardly. All Whitewater Parks and the Campground are liabilities and expenses to the taxpayers. They all have employees and risks. It is my opinion they should be run and executed as a business. I look forward to making the improvements needed in a timely manner and coming close to the budgeted amount projected and planned for all projects. Every project needs all of the teams working together to make sure monies are spent wisely, not foolishly.

The Parks and Recs Advisory committee scheduled a walking field trip of Lossie and the BCNA trails on October 2, 2022. It is my plan to follow this upcoming project and concerns of wetlands with these two walking trails. Hopefully, they can come up with some solutions to the wetland issues that have been presented to them.

This month I joined the Planning Commission and will add Citizen Planner to my training accomplishments. With the addition of a professional Planner and myself to the Planning Commission, we hope to help fix what is needed to finish the Master Plan Update. My goal will be to keep the board informed, address the concerns and issues while keeping the line of communication always open.

Please check before you burn. See the website for rules and click "burn permit".

Together, with everyone's help we can keep our community safe, simple and humble.

Voice your concerns at a board meeting. I realize most citizens work daily and can not easily attend a meeting in person. Everyone can email their concerns to any board member at any time. Stay safe, healthy and happy. Remember to request your absentee ballot if unable to vote in person by contacting Clerk Goss.

heidivvourtrustee@gmail.com

<u>September 2022</u> White<u>water Township Trustee report – Don Glenn</u>

Citizen communications and/or observations

 Although the Town Hall meeting on September 22nd was lightly attended, the comments, questions and opinions of those citizens should be helpful to the board as we continue to deliberate the best use of the ARPA funds for the community.

Educational opportunities

 Attended the MTA monthly meeting on Thursday, September 15th with the topic of discussion "Keeping Communities Safe" presented by the Fire & Life Safety Public Educator of GT Metro Fire, Jennifer Froehlich.

2. Webinars:

- A. Participated in the September 14th Foster Swift Collins & Smith 2nd Wednesday webinar *Benefits Of Alternative Dispute Resolution (ADR)* / this session was the third of a three-part series on litigation and discussed that 99 of 100 lawsuits settle and, in most cases, the goal is to settle sooner rather than later before attorney fees and court costs add up. A focus was on the process of ADR, the differences between arbitration and mediation along with the benefits of using ADR to resolve a lawsuit.
- B. Participated in the September 22nd Fahey Schultz Burzych Rhodes PLC monthly webinar <u>First Amendment Revisited: Municipal Regulation of Speech, Censuring Board Members, and Regulation of Art</u> / this session reviewed recent First Amendment court decisions and how these cases could pertain to our municipality. Notable cases discussed were: 1) the use of flags related to residents and citizen groups, 2) the ability of public bodies to censure their own members and 3) the regulation of outdoor art displays.
- 3. <u>Continuing education</u>: finished reading "Treasurer's Guide to Township Government" which is a MTA publication.

231-267-9020 x 21

SEPTEMBER 2022 REPORT

To: Whitewater Township Board

Over-all activity has slowed down a bit – but not disappeared.

There have been a few inquiries regarding the moratorium. Those inquiring have been advised that the Township is working on the issues that prompted the moratorium so that it can be removed when appropriate.

As development pressure continues eastward from the Traverse City metro area – it remains imperative that we have a plan (plan) for how that development will occur. Reliance upon our current Master Plan and / or Zoning Ordinance offers very little development guidance that can be effectively utilized for the future.

Currently, there has been very little progress on the Master Plan (upon which the Zoning Ordinance relies) that will support future changes to the zoning ordinance. Whitewater Township should consider the Master Plan as a high-priority item in order to plan for our future.

Along with our anticipated growth comes the ancillary issues associated with administration, enforcement, and compliance. The attached is a review of the <u>Whitewater Township Code Enforcement Policy and Procedures Manual</u> (See attachment A, made a part of this report for more details).

Land Use (zoning) Permit Activity (since last report)1

2022-49	28-13-133-009-00	A1	Send, Tara	POOL	8/25/2022
2022-50	28-13-103-002-00	R1	Cole, Andrew and Christina	New Dwelling*	8/25/2022
LD-2022-07	28-13-108-004-00	A1	Rennie/Estate-Wood, Amy	LAND DIVISION(S)	8/25/2022
COMB-22-03	28-13-108-005-00	Α1	Rennie/Estate-Wood, Amy	Lot Line Adjustment	8/25/2022
2022-51	28-13-230-017 -00	R1	Richardson, Kelly and Jeffrey	New Dwelling	9/1/2022
2022-52	28-13-270-017-00	R1	Grady, Brian	Accessory Building	9/1/2022
2022-53	28-13-009-014-30	RC	Nienhouse, Adam	New Dwelling	9/15/2022

Respectfully submitted,

Robert (Bob) Hall

Whitewater Township Zoning Administrator

Polit A. Hall

¹ The hi-lighted cells have no 'specific' meaning; it used internally to recognize activity that is NOT associated with the typical Land Use Permit for more rapid identification

WHITEWATER TOWNSHIP

5777 Vinton Road – P.O. Box 159 Williamsburg, Michigan 49690

231-267-5141

zoning@whitewatertownship.org



September 22, 2022

ATTACHMENT-A [supplement to September Report]

Re: Whitewater Township Code Enforcement Policy and Procedures Manual

The above-referenced manual is without a doubt the briefest, yet most concise, internal document that I have read regarding the subject matter. However, it reads like a cliff-hanger – it omits the final chapter and leaves too much to the imagination with no vision of resolution. Above all, it circles back to the legislative body and gives the impression of an authoritarian attitude – wherein certain activities / responsibilities are delegated to another, yet the 'final' <u>authority</u> for action is reserved.

Whitewater Township will continue to grow. The more the Township grows, the more resources that will be needed to be dedicated to guide and manage that growth. The administration of the current zoning ordinance is becoming increasingly more time consuming as more complex development projects (and / or related inquiries) are brought forth. Many communities employ (or contract with) an individual or company to focus solely on 'compliance' issues related to junk, blight, nuisances, animal control, and other 'non' zoning ordinances. Relying on the Zoning Administrator for these time / resource consuming tasks is often an efficient use personnel of resources. Moreover, it is clear, based upon the formality of this manual, that attention to detailed recordkeeping (beyond the norm) is necessary for success. It is the opinion and recommendation of the Zoning Administrator that Whitewater Township should give consideration to exploring a position of a Code 'Compliance' / Enforcement Officer.

This report is formatted in the same order as the referenced document to allow for comments (or not). When reading staffs comments, please try to visualize the resources needed and / or available to effectively implement the 'mission'. My personal experiences have taught me that the word '*enforcement*' automatically puts forth a negative connotation. I personally prefer to substitute the word '*compliance*' whenever possible. This does not mean that we will not need to '*enforce*' where it is necessary.

SECTION

I- Mission: 'assure' means with certainty. There are, at times, certain enforcement / compliance issues that are either deemed acceptable, or for a variety of other reasons, not pursued – contingent upon legal advice.

II – Purpose: *no comments*

III - Code Enforcement Philosophy: no comments

IV- Priorities for Code Enforcement: 'good system' – may have a need to coordinate with other local, county, state agencies – i.e. [storm drainage / wetlands] to verify an actual issue that may not be covered in YOUR local ordinance(s)

V- Criteria for Establishing Priority: 'good system' - personal experience has proven that multiple complaints does not always necessitate a movement up the priority list and that all of the factors as a whole should be considered

VI- Applicability: 'very good statements' – Zoning Administrators are often burdened with explaining this on a regular basis VII- Initiation of Code Enforcement: 'good system' – <u>CAVEAT</u>: many Code Compliance Officers are wary of accepting and taking immediate action on complaints / concerns provided by staff / officials because of a history of 'selective; enforcement being pursued – playing favorites

You must always be willing to truly consider evidence that contradicts your beliefs, and admit the possibility that you may be wrong. Intelligence isn't knowing everything, it's the ability to challenge everything you know.

unknown author

VIII- Recording and Files: 'good system' – seems to suggest that there should be a record of Code Enforcement issues and maintained in the independent parcel files. Currently there is no official system – however, upon completion of this report, the ZA will work on establishing an additional page on the Land Use Permit spreadsheet to record reported concerns.

IX- Investigation: 'good system' however, this is formatted almost like a criminal records scene – the basics are the: who, what, when, where --- and photographs. Additionally, if you're going to accomplish the objective of personal contact with the violator or by means of a door hanger, it is reasonable to enter upon the property to approach the customary entry point to make this attempt (and a great opportunity for photographs)

X- Enforcement Levels: 'good system' – however, Whitewater Township does not have an ordinance that declares any violation a Municipal Civil Infraction that would authorize a law enforcement officer to issue a 'ticket'. Not sure that a law enforcement officer could or even would file an action with the Circuit Court.

XI- Enforcement Procedures: this Section is somewhat duplicative of Section IX – also, note that strict adherence to Sections VIII thru XI are extremely time intensive from an administrative perspective.

XII- Resolution of Violations: this Section realizes that not all violations will be successfully cured, contrary to the 'assurance' in the Mission that they will be – although there are alternatives. The Zoning Administrator for Whitewater Township has extensive training and experience with the Michigan District Court system. The Circuit Court system is a much more extensive (as well as expensive) route to take. It could possibly open up a minor infraction to the possibility of a jury trial – for junk!?

Without a dedicated resource / individual, the time required for Whitewater Township to comply with its own manual is extensive and allows for unnecessary delay if efforts to gain compliance.

Below is an example of a process that I initiated and used in a former community to expeditiously handle most nuisance situations such as junk and blight:

Day One: Concern / Complaint Received

- 1. Personal Contact attempted photographs taken and file started
- 2. Letter written / mailed (even if personal contact was made) identifying the violation and given 10 days from the date of the letter to comply [yes! A sense of urgency is noted]

Day 14: Inspection for Compliance

- 1. Compliance Achieved (or significant progress) case closed or modified file updated
- 2. Non-Compliance turned over to attorney for a letter demanding compliance within 21 days of the date of 'their' letter [formerly I would spend \$50-\$75 for this letter ... my most recent one was \$456 ----- still cheaper than court] file updated

'modified' – one final opportunity granted – compliance still must be achieved within the next seven days (7 days) and before the 30-day period expires – if not, see below:

Days 30-45: Inspection for Compliance

- 1. Compliance Case CLOSED (there is no almost lots of personal contact between receipt of attorney letter and now) file updated
- 2. Non-Compliance MĈI issued / posted / mailed, and filed with the District Court requesting a formal hearing file updated copies of file to attorney
- 3. Wait for Notice to Appear consult with attorney on a recommended order to comply

Respectfully submitted for Township Board consideration,

Robert (Bob) Hall,

Planning and Zoning Administrator

Polit A. Hall

You must always be willing to truly consider evidence that contradicts your beliefs, and admit the possibility that you may be wrong. Intelligence isn't knowing everything, it's the ability to challenge everything you know.



WHITEWATER TOWNSHIP FIRE DEPARTMENT

8380 OLD M-72 • PO Box 9 • WILLIAMSBURG, MICHIGAN 49690 • 231.267.5969 • FIRECHIEF@WHITEWATERTOWNSHIP.ORG

September 2022 Monthly Report Fire Chief Brandon Flynn

Alarms: The fire department responded to 11 emergency calls in September.

- 2 Legal burn
- 4 Vehicle Accidents
- 2 Downed Power Lines
- Tree in the Road
- EMS Assist
- Commercial Fire Alarm

Training: 3 training sessions were held in September.

- Vehicle Maintenance & SCBA check
- Target Solutions, Vehicle extrication
- Vehicle extrication practical

Meetings/Other:

- Regional Training Center, Sept. 1
- County Fire Chiefs, Sept. 14
- MI Prevention, Sept. 26

General:

Chief Flynn attended a meeting with area fire departments and the USGC to plan for a full-scale exercise to take place in February 2023 on Boardman Lake. The plan outlines a passenger jet plane crash shortly after take-off with a multiple agency response for rescue/recovery.

The fire departments annual hose testing took place on Friday, September 9. Only three lengths of hose failed the test.

Several of our firefighters attended the funeral of Tim Shaffer held on Saturday, September 17, 2022. Sadly, Tim passed away on September 10 after battling an illness. Tim dedicated nearly 40 years of service to Whitewater Township Emergency Services as



a Firefighter/EMT retiring in 2015 and continued his volunteer work with WESA right up to his passing. Tim Shaffer will be missed.

The Whitewater Township Fire Department (finally) completed the air compressor project with the help of Spencer Manufacturing, Inc. on September 20, 2022. Our Air & Light truck now has full service SCBA filling capability providing an important tool to Whitewater Township Fire Department as well as our mutual aid partners in Grand Traverse, Kalkaska and Antrim Counties.

Furthermore, additional funding sources were obtained to pay for the project in full in the amount of \$25,912.00. 2% grant funding covered \$20,000.00 leaving a balance of \$5,912.00 which was paid by Whitewater Emergency Service Auxiliary (WESA) and The Cosgrove Foundation, \$3,000.00 and \$2,912.00 respectively. Without the support of our community partners, this project may not have come to fruition. Additional repairs needed to be completed on the existing cascade system and fill station costing the Township a little over \$1,700.00.

The 2022 DNR Grant was closed-out giving the fire department \$2,361.00 for new wildland firefighting equipment which will be placed on the new brush truck.

Speaking of the new brush truck, after 16 months of waiting, Chief Flynn was able to place an order for a new 2023 Ram 5500 cab & chassis to replace our existing 1969 AM General brush truck. The truck should be delivered in February 2023 and ready for service by next fire season.

Chief Flynn attended one day of the Michigan Fire Inspectors Conference in Mt. Pleasant on Wednesday, September 28. The presentation focused on Electric Vehicles (EV) and Energy Storage Systems ESS.

Chief Flynn attended a construction walk through at the Turtle Creek Casino & Hotel with representatives from Tribal Fire/Rescue. Turtle Creek Hotel is working on a complete remodel of their hotel and have plans to reopen in mid-November.

Plans were finalized for the 47th Annual Halloween Party which will be held on Saturday October 1, 2022 from 4-8.

Grand Traverse County Emergency Manager Gregg Bird has completed working on the county's Natural Hazard Mitigation Plan and the conditional plan has been approved by FEMA, Michigan State Police and the Grand Traverse County Board of Commissioners. This plan is required to be updated every five years and helps small communities like Whitewater Township to obtain State and Federal resources in the event of a natural disaster. When all of the details are finished, I urge the Whitewater Township Board to adopt the plan as well.

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board

From: Ron Popp, Supervisor

CC: None

Date: 9-28-2022

Re: Ordinance 62 – Prohibit Commercial Medical Marihuana

Board Members -

The Board approved the proposed Ordinance number 62 at our September 13, 2022 meeting accepting any modifications made by the legal team. That review has been returned and the final wording is attached.

Original documents have been filed with the Clerk's Office as of this date.

Respectfully submitted

Supervisor, Whitewater Township



Proposed Ordinance 62 Prohibition of Commercial Medical Marihuana Facilities

1 message

Jacob Fox <ifox@fsbrlaw.com>

Wed, Sep 28, 2022 at 11:10 AM

To: "supervisorwhitewater@gmail.com" <supervisorwhitewater@gmail.com>

Cc: Christopher Patterson <cpre>cpatterson@fsbrlaw.com>, Matthew Kuschel <MKuschel@fsbrlaw.com>

Hello Supervisor Popp,

I am Jake Fox, an Associate Attorney at FSBR Law. I assisted my colleague Chris Patterson in reviewing Whitewater Township's proposed ordinance prohibiting Commercial Medical Marihuana Facilities and the associated notice of adoption. Attached, I have included a redline showing my proposed changes to the ordinance and clean versions of the ordinance and notice of adoption.

Overall, the initial drafts were a quality product; however, I advise certain changes that include:

- Inserting a section that addresses violations and penalties for impermissibly operating a Commercial Medical Marihuana Facility in the Township in violation of the ordinance. Just like the Township's existing prohibition on Recreational Marihuana Establishments, violating this ordinance would be punishable as a municipal civil infraction (amongst other remedies for the Township); and
- Consistent use of terminology to differentiate between medical marihuana and recreational marihuana.

Following these changes, the Township will be in a good position to prohibit Commercial Medical Marihuana Facilities and enforce the ordinance if needed. If you have any additional questions about my proposed changes, please do not hesitate to reach out!

Sincerely,

Jake Fox



Jacob P. Fox

Associate • Fahey Schultz Burzych Rhodes

Direct: 517.381.3166 Cell: 517.927.7590 Office: 517.381.0100 • Fax: 517.381.5051

fsbrlaw.com • jfox@fsbrlaw.com



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Neither this information block, the typed name of the sender, nor anything else in this message is intended to constitute an electronic signature unless a specific statement to the contrary is included in this message. Thank you.

3 attachments



2022.09.28 (FSBR Redline) Prohibition of Commercial Medical Marihuana Facilities Proposed Ordinance **62.docx**

22K



2022.09.28 (FSBR Clean) Prohibition of Commercial Medical Marihuana Facilities Proposed Ordinance **62.docx**

19K



2022.09.28 (FSBR Clean) Proposed Whitewater Township Ordinance 62 Notice of Adoption .docx

WHITEWATER TOWNSHIP GRAND TRAVERSE COUNTY, MICHIGAN WHITEWATER TOWNSHIP PROHIBITION OF COMMERCIAL MEDICAL MARIHUANA FACILITIES ORDINANCE

ORDINANCE NO. 62

At a regularly scheduled meeting of the Township Board of Whitewater Township, Grand Traverse County, Michigan, held at the Whitewater Township Hall on September 13, 2022 at 9:00 a.m., Township Board Member Vollmuth moved to enact the following ordinance for adoption, which motion was seconded by Township Board Member Popp.

An ordinance to prohibit Commercial Medical Marihuana Facilities within the boundaries of Whitewater Township pursuant to the Michigan Medical Marihuana Facilities Licensing Act, Act 281 of 2016, MCL 333.27101 et seq., as amended, and repeal any ordinances to the contrary.

THE TOWNSHIP OF WHITEWATER, GRAND TRAVERSE COUNTY, MICHIGAN ORDAINS:

SECTION 1. TITLE. This ordinance shall be known as and may be cited as the Whitewater Township Prohibition of Commercial Medical Marihuana Facilities Ordinance.

SECTION 2. INTENT. Under Michigan's Medical Marihuana Facilities Licensing Act, Act 281 of 2016, MCL 333.27101, et seq., ("MMFLA") Townships may prohibit Commercial Medical Marihuana Facilities within their jurisdiction pursuant to MMFLA Section 205. Whitewater Township undertook a survey to gauge residents' opinions on Commercial Medical Marihuana Facilities. The Whitewater Township Medical Marihuana survey results dated October 2017, showed a majority of residents (64%) did not want Commercial Medical Marihuana Facilities within Whitewater Township. Based on this and other facts, the Township Board determines that the adoption of this ordinance is necessary to preserve the public peace, health and safety by preventing the establishment of Commercial Medical Marihuana Facilities within Whitewater Township.

SECTION 3. DEFINITIONS. Words used within this ordinance shall have the same meaning as provided in the MMFLA, as may be amended.

SECTION 4. NO COMMERCIAL MEDICAL MARIHUANA FACILITIES. Whitewater Township hereby prohibits all Commercial Medical Marihuana within the boundaries of the Township pursuant to the Michigan Medical Marihuana Facilities Licensing Act, Act 281 of 2016, MCL 333.27101, *et seq.*, as may be amended.

This prohibition does not supersede rights and obligations with respect to the transportation of marihuana through the Township to the extent provided by MMFLA.

SECTION 5: VIOLATIONS AND PENALTIES.

- 1. Any person who disobeys, neglects or refuses to comply with any provision of this ordinance, or who causes, allows or consents to any of the same shall be deemed to be responsible for the violation of this ordinance. A violation of this ordinance is deemed to be a nuisance per se.
- 2. A violation of this ordinance is a municipal civil infraction, in accordance with the procedures required by state law, Municipal Civil Infractions, MCL 600.8701 et seq., for which the fines shall be not less than \$100, nor more than \$500, in the discretion of the Court and consistent with the MMFLA. The foregoing sanctions shall be in addition to the rights of the Township to proceed at law or equity with other appropriate and proper remedies. Additionally, the violator shall pay costs which may include all expenses, direct and indirect, which the Township incurs in connection with the municipal civil infraction.
- 3. Each day during which any violation continues shall be deemed a separate offense.
- 4. In addition, the Township may seek injunctive relief against persons alleged to be in violation of this ordinance, and such other relief as may be provided by law.
- 5. This ordinance shall be administered and enforced by the Zoning Administrator of the Township or by such other person(s) as designated by the Township Board from time to time.

SECTION 6. SEVERABILITY. The provisions of this ordinance are hereby declared to be severable. If any clause, sentence, word, section or provision is hereafter declared void or unenforceable for any reason by a court, it shall not affect the remainder of such ordinance which shall continue in full force and effect.

SECTION 7. CONFLICT AND REPEAL. The Whitewater Township Medical Marihuana Facilities Licensing Ordinance, Ordinance No. 59 adopted December 8, 2020, and all other ordinances or parts of ordinances in conflict are hereby repealed.

SECTION 8. EFFECTIVE DATE. This ordinance shall take effect thirty (30) days after notice of its adoption is published in the local newspaper.

YEAS: Glenn, Popp, Vollmuth.

NAYS: None

ABSENT: Benak, Goss

ORDINANCE DECLARED ADOPTED: Ron Popp, Whitewater Township Supervisor

CERTIFICATION

I hereby certify that:

- 1. The above is a true copy of an ordinance adopted by the Whitewater Township Board at a duly scheduled and noticed meeting of that Township Board held on September 13, 2022, pursuant to the required statutory procedures.
- 2. A summary of the above ordinance was duly published in the Traverse City Record Eagle newspaper, a newspaper that circulates within Whitewater Township, on 2022.
- 3. Within 1 week after such publication, I recorded the above ordinance in a book of ordinances kept by me for that purpose, including the date of passage of the ordinance, the names of the members of the township board voting, and how each member voted.
- I filed an attested copy of the above ordinance with the Grand Traverse County Clerk on 4.

, 2022.	·
ATTESTED:	
Cheryl Goss, Whitewater Township Clerk	

WHITEWATER TOWNSHIP GRAND TRAVERSE COUNTY, MICHIGAN WHITEWATER TOWNSHIP PROHIBITION OF COMMERCIAL MEDICAL MARIHUANA ESTABLISHMENTS ORDINANCE

ORDINANCE NO. 62

NOTICE OF ADOPTION

Please take notice that on September 13, 2022, the citizens of Whitewater Township adopted Ordinance No. 62, which prohibits Commercial Medical Marihuana Facilities within the boundaries of Whitewater Township pursuant to the provisions of the Michigan Medical Marihuana Facilities Licensing Act, Act 281 of 2016, MCL 333.27101 *et seq.*, as amended.

Copies of the Ordinance may be obtained from Cheryl Goss, Whitewater Township Clerk, 5777 Vinton Road, Williamsburg, MI 49690. The Ordinance contains the following sections and catch lines: Section 1. Title; Section 2. Intent; Section 3. Definitions; Section 4. No Commercial Medical Marihuana Facilities, which is to completely prohibit all commercial medical marihuana establishments within the boundaries of Whitewater Township to the extent such prohibition is permitted by the State of Michigan law; Section 5. Violations and Penalties, which amongst other things makes operating a Commercial Medical Marihuana Facility within Whitewater Township punishable as a municipal civil infraction; Section 6. Severability; Section 7. Conflict and Repeal, which among other things repeals Ordinance No. 59 adopted December 8, 2020; and Section 8. Effective Date, which is 30 days after this publication.

Published by Order of the Township Board Whitewater Township, Grand Traverse County

Cheryl Goss, Clerk	
5777 Vinton Rd.	
Williamsburg, MI 49690	
Publication Date:	, 2022



IT'S NOT TOO LATE FOR

INFRASTRUCTURE FUNDING

Michigan communities still have time to tap into "once-in-a-generation" and other kinds of federal infrastructure funding

administered by the state.

The Infrastructure Investment and Jobs Act (IIJA) – also known as the Bipartisan Infrastructure Bill – is providing funding for all types of infrastructure projects, including transportation, water, wastewater, energy, and environmental remediation. The bill, signed into law Nov. 15, 2021, includes \$973 billion over five years (fiscal years 2022–2026).

In Michigan, the IIJA monies are being funneled through the Michigan Department of Transportation (MDOT), Environment, Great Lakes, and Energy (EGLE), Department of Natural Resources (DNR), and other state agencies to fund existing programs and initiate some new ones. Agencies and funding available include:

- MDOT \$7.9 billion for highways and bridges, \$54 million for highway safety projects, \$1 billion over 5 years to improve public transportation options, \$363 million for airport infrastructure, plus monies for railroad infrastructure improvements.
- EGLE Drinking Water State Revolving Fund (DWSRF)
 Program \$44.16 million for DWSRF, \$69.6 million for DWSRF Lead Service Line Replacement, and \$18.55 million in DWSRF funding to address emerging contaminants.
- EGLE Clean Water State Revolving Fund (CWSRF)
 Program \$76.5 million to CWSRF and \$4.02 million to CWSRF to address emerging contaminants.

The "once-in-a-generation" investment in infrastructure is a historic opportunity to: rebuild Michigan's roads, bridges and rails; expand access to clean drinking water; tackle the climate crisis and advance environmental justice, while investing in communities – both urban and rural – that have too often been left behind.

Michigan also passed a Water Supplemental Bill (SB 565, as passed by the House) which allocated the first year of IIJA funding to the EGLE SRF program and also allocated \$2 billion of Michigan's Coronavirus State Fiscal Recovery Funds from the American Rescue Plan Act (ARPA) to DNR, EGLE, and other State agencies.

Discussions with EGLE SRF staff indicate that the additional funding from the Michigan ARPA monies, included in Public Act 53 of 2022 (SB 565), will be available for FY2024 and FY2025 and will be added with the allocations from IIJA for those fiscal years to give the SRF program larger than normal funds for the next four years.



The City of Belding is one of the Michigan communities taking advantage of both MDOT, CWSRF and

City ARPA funding. They are reconstructing Ellis Street with MDOT funding, planning wastewater system improvements with CWSRF monies (with potential for principal forgiveness and PFAS grants), and cleaning out a lagoon with ARPA funding.

"We are very thankful for all the funding assistance," said Jon Stoppels, Belding's city manager. "Belding is a small town with limited tax and utility revenues to undertake projects of this magnitude on our own."

Belding hired Fleis & VandenBrink (F&V) to help it with the funding processes and applications.

"Our consultant has proven to be invaluable," Stoppels said. "Their professionalism has been amazing when it comes to keeping us up to date on the latest funding opportunities and requirements."

While the time has passed for Michigan communities to meet fiscal year 2023 application deadlines for certain funding programs like MDOT and SRF, many state funding programs will have additional monies for the upcoming fiscal year. Now is the time to begin the process of applying for next year's applications. Some programs include upcoming deadlines that can't be missed, like the Intent to Apply form for SRF funding for wastewater, stormwater, and drinking water projects, which is due Nov. 1, 2022, for FY2024 funding.

Applying for the money often requires detailed technical reports, a plan for how the funds will be used, and an engineering report on how the infrastructure upgrade will solve an issue.

F&V staff have experience in combining various funding programs and designing shovel-ready projects. We are ready to assist you in identifying the best option to fund your project. Call us today and let F&V experts assist you in applying for best fit funding programs and get you a slice of the "once-in-a-generation" infrastructure funding. Contact F&V's Elaine Venema at 800.494.5202 or email at evenema@fveng.com.



IN THIS ISSUE:

IT'S NOT TOO LATE FOR INFRASTRUCTURE FUNDING

YES! Please send me more information or change your mailing list! Simply email us at newsletters@fveng.com or fax this sheet to F&V in:

Grand Rapids Grand Blanc Farmington Hills Kalamazoo Midland 616.977.1005 810.771.7860 248.536.0079 269.382.6972

Or mail to our corporate office at: 2960 Lucerne Drive, SE Grand Rapids, MI 49546

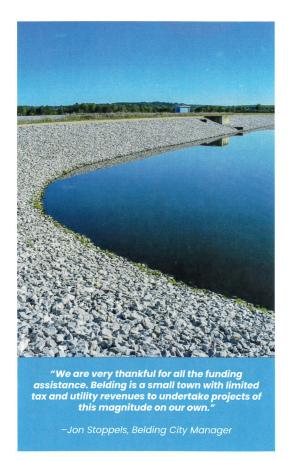
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In order to minimize our environmental footprint, F&V would like to provide you with future newsletters via email. If you would like to receive future newsletters electronically, email us at info@fveng.com.





GFL billing

1 message

Reply-To: moleprizing mail com "Indeprize amail com">

Mon, Aug 29, 2022 at 12:51 PM

To: "supervisor@whitewatertownship.org" <supervisor@whitewatertownship.org>

Ron

Sent from Yahoo Mail on Android



Re: Battle Creek/Lossie Road Trail Clearing

1 message

Steve Largent <slargent@gtcd.org>

Fri, Sep 9, 2022 at 11:54 AM

To: Ron Popp <supervisor@whitewatertownship.org>

Cc: Cheryl Goss <clerk@whitewatertownship.org>, Mel Melton <mammelton@gmail.com>

Hi There Again - Our Finance Director, Ranay Vig, found a small error in my draft invoice which increases the total by \$165.76. The new balance owed is \$3,092.45. She'll be emailing the official invoice today. Sorry for any confusion. Thanks again. S.

On Thu, Sep 8, 2022 at 1:23 PM Steve Largent <slargent@gtcd.org> wrote:

Hi Ron - It looks like the final total project cost for the trail clearing is going to be \$20,226.69....well below our not to exceed estimate of \$34,600. So given that the Township has already paid 50% of the estimate (\$17,300), that leaves a balance of \$2,966.69. Our Finance Director is back tomorrow and I'm hoping to get with her and email the official invoice to you tomorrow or Monday. I just wanted to get this to you folks for planning purposes. Please let me know if you have any questions or if you would like me to attend Tuesday's board meeting. Thank you for the opportunity to serve Whitewater Township. Take care - S.

--

Steve Largent

Conservation Team Coordinator

Grand Traverse Conservation District

1450 Cass Rd. Traverse City, MI 49685

231.883.9960

231.941.0960 x16

http://www.natureiscalling.org

Like the Grand Traverse Conservation District on Facebook!

--

Steve Largent

Conservation Team Coordinator

Grand Traverse Conservation District

1450 Cass Rd. Traverse City, MI 49685

231.883.9960

231.941.0960 x16

http://www.natureiscalling.org

Like the Grand Traverse Conservation District on Facebook!

Office of the Whitewater Township Supervisor

Memo

To: Citizens of Whitewater Township

From: Ron Popp, Supervisor

CC: None

Date: 9-28-2022

Re: Petobego Natural Area - Correspondence

Citizens of Whitewater Township -

Next month Damon McCormick of Common Coast Research & Conservation will be presenting information regarding a bird called the bobolink and its priority for protection in Grand Traverse County. Mr. McCormick has provided a couple of links to recent work at the Maple Bay Natural Area (Acme Township) and asked I share them in advance of his November presentation. The concern is about the timing of the hay harvest at one of Whitewater Township's Parks, Petobego Natural Area. Mr. McCormick can be reached at dlm@commoncoast.org or 906.202.0602.

Material Links:

https://www.icloud.com/iclouddrive/091oIz9MuA3UeOCMRumkwKjUw#MAPLE_BAY_BOBO LINKS_2022_REPORT

MAPLE BAY BOBOLINKS 2022 REPORT.pdf - Google Drive

Please join us in person or via Zoom at our Regular November Township Board Meeting.

Respectfully submitted,

Supervisor, Whitewater Township



Whitewater Township Park

1 message

Kathy Gerwin kmgerwin@hotmail.com

Fri, Sep 9, 2022 at 9:33 AM

To: "supervisor@whitewatertownship.org" <supervisor@whitewatertownship.org>, "trustee02@whitewatertownship.org" <trustee02@whitewatertownship.org>, "heidivyourtrustee@gmail.com" <heidivyourtrustee@gmail.com> Cc: "Cheryl A. Goss" <CLERK@whitewatertownship.org>

We want the improvements on the Park to Happen. WE do not want access restricted.

Kathy and Charlie Gerwin 10198 Elk Lake trail



RE: Infrastructure

1 message

Cheryl A. Goss <clerk@whitewatertownship.org>

Tue, Sep 27, 2022 at 11:05 AM

To: Ron Popp <supervisorwhitewater@gmail.com>, Melissa Melton <mammelton@gmail.com>, Tom Cosgrove <tac9414447@gmail.com>, heidivyourtrustee@gmail.com, Ardella Benak <treasurer@whitewatertownship.org>, Don Glenn <dglenn419@gmail.com>, manguspc@yahoo.com, Al Keaton <kakeaton@charter.net>

Cc: Ron Popp Gmail <supervisorwhitewater@gmail.com>, Donald Glenn <trustee02@whitewatertownship.org>, Heidi Vollmuth <trustee01@whitewatertownship.org>

Someone should be looking for a grant to renovate or replace this dump of a township hall. Voters are starting to notice and comment on the lack of maintenance.

Cheryl A. Goss, MIPMC

Whitewater Township Clerk

5777 Vinton Road, P.O. Box 159

Williamsburg, Michigan 49690

Telephone: 231.267.5141 X 24

Fax: 231.267.9020

clerk@whitewatertownship.org

Office Hours: Mon/Tue/Wed/Thurs 9:00 am to 5:00 pm

I Pledge Allegiance to the Flag of the United States of America, and to the REPUBLIC for which it stands, one Nation, under God, Indivisible, with Liberty and Justice for All.

From: Ron Popp <supervisorwhitewater@gmail.com>

Sent: Tuesday, September 27, 2022 9:45 AM

To: Melissa Melton <mammelton@gmail.com>; Tom Cosgrove <tac9414447@gmail.com>;

heidivyourtrustee@gmail.com; Ardella Benak <treasurer@whitewatertownship.org; clerk@whitewatertownship.org; Don

Glenn <dglenn419@gmail.com>; manguspc@yahoo.com; Al Keaton <kakeaton@charter.net>

Subject: Infrastructure

All -

Here is information on the Infrastructure Investment and Jobs Act (IIJA) that we should all be aware of if we want to put our hand out.

Ron Popp

Whitewater Township Supervisor

231.267.5141 Ext. 23

supervisorwhitewater@gmail.com



RE: Infrastructure

1 message

Cheryl A. Goss <clerk@whitewatertownship.org>

Tue, Sep 27, 2022 at 11:09 AM

To: Ron Popp <supervisorwhitewater@gmail.com>, Melissa Melton <mammelton@gmail.com>, Tom Cosgrove <tac9414447@gmail.com>, heidivyourtrustee@gmail.com, Ardella Benak <treasurer@whitewatertownship.org>, Don Glenn <dglenn419@gmail.com>, manguspc@yahoo.com, Al Keaton <kakeaton@charter.net>

Cc: Ron Popp <supervisor@whitewatertownship.org>, Donald Glenn <trustee02@whitewatertownship.org>, Heidi Vollmuth <trustee01@whitewatertownship.org>

By the way, when will an ADA inspection be conducted at the township hall? The restrooms are not ADA compliant. Additionally, the handicap parking space is not ADA compliant.

Asking on behalf of the taxpayers.

Cheryl A. Goss, MIPMC

Whitewater Township Clerk

5777 Vinton Road, P.O. Box 159

Williamsburg, Michigan 49690

Telephone: 231.267.5141 X 24

Fax: 231.267.9020

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From: Ron Popp <supervisorwhitewater@gmail.com>

Sent: Tuesday, September 27, 2022 9:45 AM

To: Melissa Melton <mammelton@gmail.com>; Tom Cosgrove <tac9414447@gmail.com>;

heidivyourtrustee@gmail.com; Ardella Benak <treasurer@whitewatertownship.org>; clerk@whitewatertownship.org; Don

Glenn <dglenn419@gmail.com>; manguspc@yahoo.com; Al Keaton <kakeaton@charter.net>

Subject: Infrastructure

All -

Here is information on the Infrastructure Investment and Jobs Act (IIJA) that we should all be aware of if we want to put our hand out.

Ron Popp

Whitewater Township Supervisor

231.267.5141 Ext. 23

supervisorwhitewater@gmail.com

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board of Trustees

CC: None

Date: 9-30-2022

Re: Proposed Budget Transfers from 9.13.2022 - Correspondence

Board Members -

The Clerk proposed a number of budget transfers in her documents related to the 9.13.2022 Whitewater Township Board meeting. During discussion several issues were identified which needed to be addressed before further action could be taken on the business item.

Glen made a motion to have the Clerk provide fiscal year end March 31, 2022 fiscal year end report and approved budget hearing financial documents from March 21. 2022 budget public hearing at least 11 business days prior to the meeting and to be included in the October 11, 2022 meeting packet. Additionally, the Clerk is to prepare a Revenue Expense report thru September 30, 2022 to be distributed at meeting time the October 11, 2022 the motion was seconded by Vollmuth.

A second motion was made by Popp asking the Treasurer to provide a Bank Account and Cash Balance report period ending 9.30.2022 by meeting time October 11, 2022.

The budget transfers were not included in the October 11, 2022 packet due to lack of supporting documents required by Glenn's motion.

Respectfully submitted,

Whitewater Township FOIA Coordinator

Supervisor, Whitewater Township

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board of Trustees

CC: None

Date: 9-30-2022

Re: Whitewater Township Park Playground Repairs

Board Members -

Last month the board approved a motion requesting Clerk Goss to supply a written timeline of repair items listed in the 6.26.202 Trustee Glenn's Memo with date of completion. Has any member of the Board received this document?

No motion made pending Board discussion

Respectfully submitted,

Whitewater Township FOIA Coordinator

Supervisor, Whitewater Township

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board of Trustees

CC: None

Date: 9-28-2022

Re: Lossie Road Nature Trail Cleanup

Board Members -

This business item follows up on last month's discussion regarding hazardous trees label as #29 on the Parshall Tree Care Plant Inventory List for the Lossie Road Nature Trail cleanup. The adjoining land owner wanted to temporarily delay (until 4.30.2023) the removal of certain trees until he could fell them and make proper use of "his" asset. The other noted concern from the property owner is debris removal. Simply put, only the stump should remain, removing all other parts of the felled trees and that is not how the rest of trail cleaned up was conducted. The trees are too green to make firewood for this year, and by the time next heating seasons comes around the aspen trees will have little heating value. The Board rejected the delay in removal, noting the arborist recommendation was for removal due to safety concerns for the public using the trail. Displeased with the Board's decision, the property owner is requesting all parts of the trees felled to be chipped and those chips be dumped at his existing stock pile some 1,000 feet away. This will at least allow him some use of his asset. The Conservancy can only chip up to a 6" diameter which would leave the trunk portion to be cut up into firewood sized pieces. While not perfect, this could be the best compromise that can be reached.

I don't see the removal of the trees as additional fees because the Township would have been charged for the time to remove the trees during the original work session. We could be paying for some additional mobilization time and the chipping of course was not part of the modified work scope with the Conservation District. I ask the Board to agree this is a reasonable amount to pay for trying to be a good neighbor.

Motion: Motion to approve Grand Traverse Conservation District to remove the hazardous trees as listed in the Parshall Tree Care Plant Inventory List as #29, to chip all parts of the trees 6" or less and deposit those chips at the landowners desired location 1,000 feet or less away from the debris site. Project cost not to exceed \$3,400.00

Respectfully submitted,

Whitewater Township FOIA Coordinator Supervisor, Whitewater Township



Re: Lossie Road Trail

1 message

Steve Largent <slargent@gtcd.org>
To: Ron Popp <supervisorwhitewater@gmail.com>

Thu, Sep 22, 2022 at 3:25 PM

Hi Ron - I spoke with my team and we figure it will take one day but we're going to quote two days to be on the safe side since we'll only invoice the Township for our actual hours. To that end, we propose to remove the two remaining marked and leaning aspen trees and any associated residual trees that are supporting the leaning aspens that may need to be removed for an amount not to exceed \$3,400. This includes chipping the tops to clean up the immediate area to help satisfy the property owners. All other terms remain in effect from our Hazardous Tree Removal and Mitigation Agreement dated July 26, 2022 which is still active through the end of this month unless we both agree to extend the Agreement.

As you suggest, I'll let you make contact with Mike and subsequently arrange for a Sheriff escort if you feel it's still necessary. During our first meeting with Mike, he stated if the trees were within the easement then he wouldn't have an issue with the Township removing the trees. So, a possible next step is to get that end of the Lossie Road easement surveyed....obviously that's entirely up to the Township.

Thanks - S.

On Thu, Sep 22, 2022 at 2:12 PM Ron Popp <supervisorwhitewater@gmail.com> wrote:

| Thanks for prompt response Steve.

I have not let Mike know of the Board's decision yet. I wanted to confirm the method of removal first. I believe it is my responsibility to talk with Mike and you are welcome to accompany me but, not necessary. I would prefer he is mad at me rather than you.

Payment for work rendered should have been made already. As for this new work, I will seek another purchase order not to exceed \$????? (1k, 2k, 3k, please let me know the value) and let you know when that document is available.

Thank you, Ron Popp Whitewater Township Supervisor 231.267.5141 Ext. 23 supervisorwhitewater@gmail.com

On Wed, Sep 21, 2022 at 3:59 PM Steve Largent <slargent@gtcd.org> wrote:

Hi Ron - Not a problem...we can remove the trees but we just started another project...when do you want this done by? I'll stop by and talk to Mike. If I feel we need a sheriff escort after that I'll let you know. Is the Township willing to pay the current invoice and we'll send a follow-up invoice for the additional work? S.

On Wed, Sep 21, 2022 at 3:34 PM Ron Popp <supervisorwhitewater@gmail.com> wrote: Hi Steve,

The Board rejected the idea of allowing the two trees labeled by the arborist as hazardous to remain. If the land owner will not fall the trees, will you consider doing it? Due to firearm discharges while your crew was working on the trail, and the fact this is a contentious item for the landowner, shall I arrange a sheriff escort?

Ron Popp Whitewater Township Supervisor 231.267.5141 Ext. 23 supervisorwhitewater@gmail.com

--

Steve Largent

Conservation Team Coordinator

Grand Traverse Conservation District

1450 Cass Rd. Traverse City, MI 49685

231.883.9960

231.941.0960 x16

http://www.natureiscalling.org

Like the Grand Traverse Conservation District on Facebook!

--

Steve Largent

Conservation Team Coordinator

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1450 Cass Rd. Traverse City, MI 49685

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231.941.0960 x16

http://www.natureiscalling.org

Like the Grand Traverse Conservation District on Facebook!

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board

From: Ron Popp, Supervisor

CC: None

Date: 9-26-2022

Re: Roadside Parking Ordinance Review

Board Members -

Here is a proposed parking ordinance from legal as requested from our discussion on the matter earlier this year. Parking on both sides of the street (shoulders) has been identified to inhibit passage of residents and emergency services and a regular occurring activity in need of some regulation.

The goal of this business item was to get "no parking this side of street" signs installed by the Grand Traverse County Road Commission (GTCRC) which would notify people of a no parking zone in certain areas of the Township. To accomplish this goal the GTCRC advised we needed to cite the ordinance number used to regulate parking on each sign. So, a proposed ordinance was created. As Mr. Patterson points out, the Board may have to take up the question of a civil infraction ordinance as part of the enforcement provision of the proposed ordinance. Nothing in Mr. Patterson comments indicates an immediate need but rather one that can be addressed as we work through other ordinance enforcement issues. Again, the goal was for signage in the problem areas with voluntary compliance key. No one wants their vehicle towed away.

The second part of the parking ordinance is a resolution establishing specific roads and locations for this regulation. Baggs Road and Lakeside Trail, even numbered side of the road (lakeside) is proposed. Are there other areas that need to be addressed?

Motion #1: Motion to approve proposed General Ordinance number 63 Parking Ordinance as amended.

Motion #2: Motion to add Baggs Road even numbered side of the road (lakeside) and Lakeside Trail even numbered side of the road (lakeside) to Resolution # 22-18 as a no parking zone.

Respectfully submitted

Supervisor, Whitewater Township



Ron Popp <supervisorwhitewater@gmail.com>

Parking Ordinance

1 message

Ron Popp <supervisorwhitewater@gmail.com>

Thu, Aug 11, 2022 at 10:55 AM

To: cpatterson@fsbrlaw.com, clerk@whitewatertownship.org, Ardella Benak <treasurer@whitewatertownship.org>, heidivyourtrustee@gmail.com, Don Glenn <dglenn419@gmail.com>

Good Morning Chris -

At the 8.09.2022 Whitewater Township Board meeting we passed a motion to have a parking ordinance developed. Attached is the Board packet that was voted on. If you have further questions p[lease feel free to call. I would like to have this for the October 11, 2022 meeting.

I understand your email and comments on the proposed ordinance will be in confidential format but, I would like to avoid having proposed ordinance documents being attached to a confidential email. This should allow the Township to share proposed ordinances as they are developed.

Thank you, Ron Popp Whitewater Township Supervisor 231.267.5141 Ext. 23 supervisorwhitewater@gmail.com

NB 5 - Whitewater Township Parking Ordinance 8.2022.pdf 199K



RE: Parking Ordinance

1 message

Christopher Patterson <cpatterson@fsbrlaw.com>
To: Ron Popp <supervisorwhitewater@gmail.com>
Co: Kyle O'Meara <komeara@fsbrlaw.com>

Wed, Sep 28, 2022 at 8:45 AM

Ron,

See attached a draft Parking Ordinance and a template resolution for your review. As requested, the Parking Ordinance will prohibit parking in front of driveways. The Parking Ordinance also authorizes restricting parking to only one side of a roadway as specified by the Township Board in an accompanying resolution (see also attached).

Police power township ordinances cannot supersede parking requirements in the Michigan Motor Vehicle Code. See MCL 41.181(1). This is important because imposing parking restrictions to one side of a roadway will require posting signage that is posted upon the entrance or portion of the roadways impacted by such regulations. See MCL 257.606(4). Such signage needs to be "sufficiently legible as to be seen by an ordinarily observant person." The driveway provision does not require signage as the Motor Vehicle Code prohibits parking that blocks driveways. See MCL 257.674(1)(b).

The penalties in the draft Parking Ordinance are \$100 per day. The Township can lower or raise the amount of the penalty (up to \$500) as desired, but other similar ordinances typically have penalties ranging from \$50 to \$100.

Note that we may need to revise the penalty section because the Township has adopted ordinances with civil infraction penalties, but has also disfavored the issuance of those. If that is the case, we would want to consider adding or replacing the penalty section with misdemeanor penalties. We would prefer to treat these violations as civil infractions, but certainly, we will make any amendments directed by the Board. This also raises a previous recommendation of our firm to adopt a separate civil infraction citation/notice ordinance. This would be beneficial because the Township could issue civil citation notices that are payable at the Township hall and not subject violators to a court proceeding if it can be easily remedied, but still provide an effective penalty. Of course, if the notices are a sufficient deterrent, that same ordinance would still allow the issuance of civil infraction citations which could be pursued through the district court system. I know the Board is discussing its enforcement mechanisms and process now, so the final determination and conclusions of that discussion will likely drive the ultimate decision on how we revise or proceed with proposed Section 4 of this parking ordinance.

Please let me know if you have any questions about the attached. Should the Board desire changes to the draft ordinance (including adding more parking regulations), we would be happy to help implement any changes.

Sincere	ly,

Chris



Member • Fahey Schultz Burzych Rhodes

Direct: 517.381.3205 • Cell: 269.744.4807 Office: 517.381.0100 • Fax: 517.381.3185 fsbrlaw.com • cpatterson@fsbrlaw.com

4151 Okemos Road, Okemos, MI 48864 USA

 ${f v}$ U.S. News & World Report Ranked Best Law Firm

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2 attachments



2022.09.27 Whitewater Township Parking Ordinance.docx



2022.09.28 Whitewater Township Resolution re One Way Parking.docx 26K

WHITEWATER TOWNSHIP, GRAND TRAVERSE COUNTY, MICHIGAN

PARKING ORDINANCE

Proposed Ordinance No. 63 Adopted: October 11, 2022 Effective: ______, 2022

At a duly called meeting of the Township Board of Whitewater Township, Grand Traverse County,
Michigan, held at the Whitewater Township Hall on October 11, 2022 at 9:00 a.m., Board Member moved to adopt the following Ordinance, which motion was
supported by Board Member
supported by Board Member
An Ordinance adopted under 1945 PA 246, as amended, to regulate the parking of vehicles in
Whitewater Township to promote the general health, safety, and welfare of Township residents and visitors.
THE TOWNSHIP OF WHITEWATER, GRAND TRAVERSE COUNTY, MICHIGAN,
ORDAINS:

SECTION 1. PURPOSE AND TITLE

The Whitewater Township Board finds and declares as follows:

- A. A township may enact ordinances regulating the public health, safety, and general welfare of persons and property including ordinances that regulate the parking of vehicles on streets, roads, or highways. See MCL 41.181(1) and (2); see also MCL 257.606(1)(a) (township authorized to regulate the standing or parking of vehicles).
- B. Whitewater Township adopts this ordinance, which shall be referred to the Whitewater Township Parking Ordinance ("Parking Ordinance"), to among other things, regulate the manner of vehicle parking in the Township to ensure vehicles are parked in an organized manner to allow safe vehicular circulation, to avoid the parking of vehicles in front of driveways, and to also provide organized parking to access water resources in the Township.

SECTION 2. DEFINITIONS

The terms below as used within this Ordinance shall have the following meanings regardless of capitalization. All other words throughout this Ordinance shall be interpreted based on their plain and ordinary meaning in the context of their use.

- A. **Parking:** The act of stopping a vehicle to either idle, stand, or otherwise wait in a fixed location regardless of whether the vehicle is occupied or not.
- B. Roadway: Roadways include any street, road, or highway within the Township.
- C. **Vehicle:** Any motorized vehicle and any associated trailers including, but not limited to, automobiles, trucks, semi-trucks, off-road vehicles, mopeds, and recreational vehicles. For purposes of this Ordinance, the definition of vehicle shall exclude any vehicles used for

emergency services (police protection, fire protection, or emergency medical services) that are parked while responding to an emergency.

SECTION 3. PARKING REGULATIONS

The parking of all vehicles in the Township shall be subject to the following regulations.

- A. **Driveway Access:** No vehicle shall be parked on a roadway in a manner that blocks a public or private driveway of any residence, business, or other type of property.
- B. One Side Roadway Parking: The Township Board shall be authorized to limit vehicle parking on defined roadways within the Township to only one side of an individual roadway. The Township Board shall specify the roadways where vehicles may only be parked on one side of the roadway by resolution, which: (1) specifies the roadway and where the one side parking regulation shall be enforced; and (2) notes the permissible side of the roadway for parking. Consistent with MCL 257.606(4) all roadways with one side parking regulations shall have signage giving notice of the one side parking regulation that is sufficiently legible as to be seen by an ordinarily observant person.

SECTION 4. ENFORCEMENT AND PENALTIES

- **A. Enforcement:** This Ordinance may be enforced by any individual authorized by the Township Board to enforce this Ordinance including those authorized to issue civil infraction citations under the Township's Civil Infraction Ordinance such as the Township Code Enforcement Officer. The Ordinance may also be enforced by a local law enforcement agency that provides law enforcement services to the Township including the Grand Traverse County Sheriff's Department.
- **B. Penalties:** Any person or entity who violates the provisions of this Ordinance shall be deemed responsible for a municipal civil infraction and subject to a civil penalty of \$100.00 for each violation of this Ordinance, as well as the Township's fees and costs in enforcing the Ordinance as permitted by law. Each day that a violation continues to exist shall be considered a separate violation. This Section shall not be construed as precluding the Township from enforcing this Ordinance in any other manner authorized by law, including without limitation, the commencement of a civil action for injunctive or other relief.

SECTION 5. SEVERABILITY

If any section, provision or clause of this Ordinance or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect any remaining portions or application of this Ordinance which can be given effect without the invalid portion or application.

SECTION 6. EFFECTIVE DATE

This Ordinance shall take effect 30 days after notice of its adoption is published in a local newspaper.

SECTION 7. REPEAL

All ordinances or parts of ordinances in conflict with this Ordinance are hereby repealed.

ROLL CALL VOTE	
YEAS:	
NAYS:	
ABSENT/ABSTAIN:	
ORDINANCE DECLARED ADOPTED	
Ron Popp, Whitewater Township Supervisor	Date
CERTIFICATIO	
I, Cheryl A. Goss, Clerk of Whitewater Township, do hand accurate copy of Ordinance No. 63, adopted by to October 11, 2022. A summary of the Ordinance was duly	the Whitewater Township Board on the
newspaper, a newspaper that circulates within Whitew Within seven days after such publication, I recorded the by me for that purpose, including the date of passage of to f the Township Board voting, and how each member Ordinance with the Grand Traverse County Clerk on	vater Township, on, 2022. c Ordinance in a book of Ordinances kept the Ordinance, the names of the members er voted. I filed an attested copy of the
Attested:	
Cheryl A. Goss, Whitewater Township Clerk	

WHITEWATER TOWNSHIP

GRAND TRAVERSE COUNTY, MICHIGAN PARKING ORDINANCE NOTICE OF ADOPTION

At a meeting of the Township Board of Whitewater Township, Grand Traverse County, Michigan, held at the Whitewater Township Hall on October 11, 2022, at 9:00 a.m., the Township Board adopted Ordinance No. 63, also known as the Whitewater Township Parking Ordinance, to regulate the parking of vehicles in Whitewater Township to promote the general health, safety, and welfare of Township residents and visitors. Copies of the complete text of the Ordinance are available at the Whitewater Township Hall, 5777 Vinton Road, P.O. Box 159, Williamsburg, MI 49690 during normal business hours.

The Ordinance has the following sections and catch lines: Section 1: Purpose and Title; Section 2: Definitions; Section 3: Parking Regulations; Section 4: Enforcement and Penalties; Section 5: Severability; Section 6: Effective Date, which is thirty days after publication of this notice; and Section 7: Repeal.

Published by Order of the Township Board

Whitewater Township, Grand Traverse County, Michigan Cheryl A. Goss, Township Clerk

Tel: 231-267-5141 ext 24

Email: clerk@whitewatertownship.org 5777 Vinton Road, P.O. Box 159 Williamsburg, MI 49690

Publication Date: ________, 2022

Whitewater Township, Grand Traverse County

Resolution to Adopt Parking Ordinance Regulations

Resolution No. 22-18

At a meeting of the Whitewater Township Board, Grand Traverse County, Michigan, held on October 11, 2022, at 9:00 a.m.

	NT:
The foll	lowing was moved by and seconded by:
	EAS , the Township lawfully adopted Ordinance No. 63, the Whitewater Township Ordinance ("Ordinance"); and
	EAS , the Parking Ordinance authorizes the Township Board to restrict parking on ys or portions of roadways to one side of the roadway; and
	EAS , the Township Board desires to specify roadways that will be subject to restricting on one side the roadway.
NOW,	THEREFORE, BE IT RESOLVED:
	The following roadways will only permit parking on one side of the roadway as specified below: a. Baggs Road even numbered side of the road (lakeside) b. Lakeside Trail even numbered side of the trail (lakeside)
	The Township is authorized to purchase and post signage as required by law informing the public of the parking regulations above.
	All resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution are hereby rescinded
Roll cal	l vote:
Yes:	
No:	
Absent/	'Abstain:
The Sup	pervisor declared the resolution adopted.

Ron Popp, Whitewater Township Supervisor

Certificate

I, Cheryl A. Goss, the duly elected and acting Clerk of Whitewater Township, hereby certify that the foregoing resolution was adopted by the Township Board by a roll call vote at a regular meeting of the Board held on October 11, 2022, at which meeting a quorum was present; and that this resolution was ordered to take immediate effect.

Cheryl A. Goss, Whitewater Township Clerk

WHITEWATER TOWNSHIP PARKS & RECREATION

TO: TOWNSHIP BOARD

FROM: MELISSA MELTON, PRAC CHAIR

SUBJECT: HI PRAY PLAYGROUND EXPANSION RECOMMENDATIONS

CC: BRANDON HUBBELL, TOM COSGROVE, FRAN BUTLER, AMBER VOICE

The PRAC submitted recommendations to the board last month to 'fix' the concerns listed from the inspector, who performed the playground inspection at HI Pray park on August 27th. The board had concerns of our recommendations and the estimates/quotations for these fixes, so I would like to clarify and address what I hope will answer all of these.

The inspection report had detailed 6 items of concern and are addressed as follows:

- 1) Fall zone: we are expanding fall zone 3 ft out in each direction (see attached Landscaping estimate)
- 2) <u>Bolts under slides and at top of swing axis point:</u> Brandon Hubbell has volunteered (and will sign waiver prior to doing this work) to cut these bolts so only 2 threads showing. He will file down any sharp edges. Per Kathryn Berry's email of 9/26/22 (see attached), there is no requirement of rubber/plastic covering. However, if the board feels this is warranted, we can purchase these locally or I did find on Amazon a 24 pc kit for \$9 as a general cost estimate.
- 3) Swing hangers on swing axis point: We will purchase and replace (see attached quote)
- 4) Signage indicating Adult Supervision required: We will purchase and install (see attached quote).
- 5) Signage for age appropriateness of 5-12 years of age: The decals to be purchased and installed (see attached)
- 6) Weeding grass out of fall zone area: Included in the Landscaping estimate (see attached)

NOTE: The quantities on label quote is left blank, but I would recommend a minimum of: 1 Adult supervision (on sign), 5 Age group (1 on each equipment), and 5 Level marker (1 for each equipment).

There was concern of the sand and metal edging listed in the first Landscaping quotation, so I have asked Kathryn Berry if these meet code (see her email of 9/26/22 answering this). I asked the Landscaper to give the board options to determine if they want metal edging, plastic edging, or expanding the existing wood border material as needed from expansion. (see attached Landscaping estimate options).

Here is the project cost summary:

Landscaping (worst case scenario cost option): \$4582

Playset (swing clevises): \$49.96

Labels: \$38.00 Fast Signs: \$98.79 Final inspection: \$0 Plus 5% variance: \$238.44

1 103 370 Variance. \$230.44

GRAND TOTAL (Not to exceed): \$5007.19

once approved this project can be completed would change if this was delayed until the spr	within 3 weeks. Note ringtime, as would the	e: This is based on currer e estimate.	nt contractor schedule and
	2		
	,		

We hope the board will make a swift decision to allow for this playground to be re-opened to the public. The board asked for us to have a targeted completion date, that will be predicated based on board approval – but we believe



Whitewater township playground

2 messages

Melissa Melton <mammelton@gmail.com> To: kberry2036@comcast.net

Mon, Sep 26, 2022 at 8:11 AM

Good morning Kathryn - We spoke the other day about three questions the board had and you answered them verbally to me, but would it be something you could email me your response so it is in writing for the board?

The first question was is there any specs for sand material?

The second question is the metal edging OK per code or guidelines?

And lastly they wanted to know if you could come back for a final inspection and if there was a charge?

Additionally there has also been comments that we should put a rubber cap or rubber spray over the bolts that we are cutting down, is that required?

Thank you! Melissa Melton

Kathryn Berry <kberry2036@comcast.net>
To: Melissa Melton <mammelton@gmail.com>

Mon, Sep 26, 2022 at 8:40 AM

- 1) The fall zone, Sand there is no real specs however for safety issues the use of sand that has larger rocks wouldn't be advisable. As children may pick them up and throw them at other children.
- 2) Metal edging, as per our conversation you indicated said edging will have a rolled edge with no sharpness exposed to children so this would be acceptable edging material.
- 3) The final inspections to be preformed after all revisions are completed. For that inspection I do not charge as it is part of the initial charges billed. However if changes or new equipment is added after final is done and another inspection is requested for new equipment or relocation of equipment that would be a new inspection and warrant new fees.
- 4) The bolts that are in need of cutting off just need to have sanding done to remove any sharp edges left from the cutting.

Thank you Kathryn Berry 810-691-3718

On Sep 26, 2022, at 8:11 AM, Melissa Melton <mammelton@gmail.com> wrote:

Good morning Kathryn - We spoke the other day about three questions the board had and you answered them verbally to me, but would it be something you could email me your response so it is in writing for the board?

[Quoted text hidden]



Prepared For White Water Township Estimate Date 09/09/2022

Estimate Number 0000068

United States

Description	Rate	Qty	Line Total
Labor 2022 Location: Hi Pray Park (play ground area and front perrenial bed.) 2 People for 2 days. Excavate 1' in depth and 3' outward from the perimeter of existing border. Fill with 12" Sand. Install aluminum edging as new border, and weed both the playground and front garden.	\$45.00	36	\$1,620.00
Option 1: Black Finish Aluminum Edging (16ft) Expensive- However a word of warning- plastic edging does not hold up, and it does not stay in the ground well, due to lack of anchoring. Metal edging lasts a long time, is easier to work with, and comes with stakes to anchor and scure it in the ground. (this is helpful for areas that are frequently mowed, and in the long run, avoids tripping hazards.)	\$58.00	14	\$812.00
Sand /ton	\$35.00	30	\$1,050.00
Debris Disposal /yard	\$25.00	4	\$100.00
Equipment Rental Dump Trailer for 2 Days	\$150.00	2	\$300.00
Equipment Rental Skid Steer for 2 days	\$350.00	2	\$700.00
Option 2: Poly Plastic Edging Includes connectors. no anchors	\$35.00	10	\$350.00

Option 3: Adding onto current wooden Edge 6"x6" cut to length, inclues screws, and other hardware needed.	\$200.00	1	\$200.00
	Subtotal		5,132.00
	Tax		0.00
	Estimate Total (USD)		\$5,132.00

Notes

All rentals are coming from McLean's in Kalkaska. Equipment is expensive, however, it'll save on labor, disposal, and delivery costs. Screened Sand from TWS.

Obviously the subtotal is not correct. The subtotal will need to be adjusted according to what edging option is chosen. I raised the labor amount to cover for all option possibilites.

Any time/material savings will be given back to the township.



MEMO

To: Whitewater Township Board

From: Cheryl A. Goss, Clerk

Date: 09/06/2022

Re: Hi Pray Park Playground Repairs

Kathryn Berry's playground inspection report is attached. Basically, the repairs consist of:

- Extend fall zone to 6 feet in all directions for both slides, as well as cut off bolts with too much thread showing. (This involves actual extension of 1' to 2" in some places, per the report, for all equipment.)
- Add a fall zone for the monkey bars and round brown climber.
- Add fall zone for the swings, replace axis point hooks, cut off bolt with too much thread showing
- Install signs indicating adult supervision required.
- Decals on each piece of equipment showing appropriate age is 5-12 years.
- Remove weeds in fall zones.

Currently, there are no funds allocated in the Recreation Fund to pay for Hi Pray Park playground upgrades. There was \$8,000 in the Recreation Fund budget as of 02/17/2022 for "enlarge playground area, remove/reinstall playground components that do not meet use zone requirements" and "purchase/install safety surfacing material." See attached budget detail for the 930 Facility Repairs/Maintenance and 970 Capital Expenditure line items. The bottom-line numbers for both of these accounts can be verified on the 3/21 proposed budget document or the revenue/expenditure report the board recently received.

Estimated cost of repairs:

- Melissa Melton, PRAC chair, is seeking a quote from a landscaper to remove the timbers and sod, install edging at the perimeter of the new fall zones, and add sand, but it is not available as of the time of this memo.
- A couple clevises for the swing axis points from Playset Parts will cost \$15.98, plus shipping.
- Cutting off of bolt threads will be done by a volunteer with a power tool.
- The required signs in aluminum will be \$100 from FastSigns.
- Decals will be approximately \$30.

The big question is how much will the landscaper charge. Until we receive that information, hopefully in advance of the 9/13 meeting, an appropriate motion would be:

To approve the amount of \$ to cover the cost of Hi Pray Park playground repairs.

PLAYGROUND INSPECTION CERTIFICATION SUMMARY

State of Michigan – Department of Licensing and Regulatory Affairs
Child Care Licensing Bureau

Facility	Name					•	hone Numb		
"Hi"	Pray	Park				231-	267-514	41	
Licens	ee Name	•				License I			
W	itewa	ter To	ownship			nor	ne Park		-
Addres			•			County			
607	'5 Elk	Lake	Road			Gr	and Tra	verse	
City						State	Zip Code		
Wi	lliams	burg				MI	49690)	
APPR	OVALS	- ALL	pieces of equipment on the playgr	round must be li	sted below. (Use pag	ge 2 if ad	lditional ro	ows are nee	eded.)
certifie is che Comm surfac Applic reside	ed playgoked, the hission's ing and able (Natical Clirical Clirica	ground: ne piece s (CPSe l/or use A)" is c mbing e	uires playground equipment, use zon safety inspector prior to issuance of e of equipment, including surfacing a C) 2010 Edition of the Handbook for zones aren't approved under the CF hecked, the piece of equipment was equipment for children under age 2 a eg, or a natural playground area. If N	an original provis nd use zones, ha r Public Playgrour PSC's 2010 Editi not inspected. The pproved prior to	ional license or before is been approved und nd Safety. If "Not App on of the Handbook f his includes equipmen January 2, 2014, non-	e using r ler the C roved" is or Public nt not rec -climbing	newly adde onsumer F s checked, c Playgrour quired to b g residentia	ed equipmer Product Safe the piece of nd Safety. If e inspected al equipmen	nt. If "Approved" ety f equipment, "Not such as
p	g								
Approved	Not Approved	: §	Name of Piece of Equipment	Approved for Ages	Comm	ents			ufacturer known)
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Approv	Not Approv	4		for Ages	Fall zone need extended to 6f	ds to b	rections	(if	
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Kathryn Berry 8/23/2022 Name of Company Phone Number Email Address kberry2036@comcast.net Kberry2036@gmail.com Independent contractor \$10-691-3718 Certification Number NC130535 Certifying Organization **Certification Expiration Date NPPS** April 2024 Signature Date Needs final inspection

LARA is an equal opportunity employer/program.

Approved	Not Approved	Ā	Name of Piece of Equipment	Approved for Ages	Comments	Manufacturer (if known)
	Ø	_	Horizon monkey bars	5-12 years	fall zone needs to be added	unknown
0	×	0	Round Brown Climber	5-12 years	fall zone needs to be added	unknown
	×		Wings	5-12 years	fall zone needs to be added axis point hooks need to be replaced, bolt need to be cut	unknown
0						
	0					

"Hi" Pray Park
Whitewater Township
6075 Elk Lake Road
Williamsburg, MI 49690
August 27, 2022













Currently this park is closed due to the necessary updates needed to promote a safer playground. The following issues were found to be concerns while inspecting.

- 1) The fall zone needs to be extended out by 1 ft to 2 ft in some places.
- 2) There are bolt under the slide and at the top axis point of the swings that need to be cut so only 2 threads are showing.
- 3)The hangers at the top of the swing axes points are deteriorated and need to be replaced.
- 4) Signs need to be added to the playground in total advising usage with adult supervision required.
- 5) Signs need to be added for age appropriateness of 5-12 years of age.
- 6)Fall zone has weeds in place that need to be removed.

Other than the above noted concerns the playground appears to be in good shape with no chipping paint a few newer pieces equipment mixed with a few older pieces of equipment all to be rated for children 5-12 years of age. However none of the equipment would be considered ADA as with the fall zone being sand this is very hard for a wheel chair to gain access and also the equipment itself would be hard for a handicapped child to maneuver and master.

When making assessments of playground equipment I use the <u>Public Playground Safety Handbook 2010</u> to determine risk of the equipment. Although this is a snap shot in time and cannot completely insure a child not getting hurt while using the playground and supervision is the number one safety measure, this report will help you and your community have a safer place for children to use.

1)

5.3.10 Fall height and use zones not specified elsewhere

Most playground equipment belongs in one of the categories listed above. If it does not, the following general recommendations should be applied:

- The fall height of a piece of playground equipment is the distance between the highest designated playing surface and the protective surface beneath it.
- The use zone should extend a minimum of 6 feet in all directions from the perimeter of the equipment.
- The use zones of two stationary pieces of playground equipment that are positioned adjacent to one another may overlap if the adjacent designated play surfaces of each structure are no more than 30 inches above the protective surface and the equipment is at least 6 feet apart.
- If adjacent designated play surfaces on either structure exceed a height of 30 inches, the minimum distance between the structures should be 9 feet.

Use zones should be free of obstacles

5.3.8.3.3 Use zone for single-axis swings - belt and full bucket

The use zone in front of and behind the swing should be greater than to the sides of such a swing since children may deliberately attempt to exit from a single-axis swing while it is in motion.

- The use zone for a belt swing should extend to the front and rear of a single-axis swing a minimum distance of twice the vertical distance from the pivot point and the top of the protective surface beneath it.
- The use zone for a full bucket swing should extend to the front and rear a minimum of twice the vertical distance from the top of the occupant's sitting surface to the pivot point.
- The use zone in front of and behind swings should never overlap with any other use zone.
- The use zone to the sides of a single-axis swing should extend a minimum of 6 feet from the perimeter of the swing. This 6-foot zone may overlap that of an adjacent swing structure or other playground equipment structure 2)

3.2 Entanglement and Impalement

Projections on playground equipment should not be able to entangle children's clothing nor should they be large enough to impale. To avoid this risk:

- The diameter of a projection should not increase in the direction away from the surrounding surface toward the exposed end
- Bolts should not expose more than two threads beyond the end of the nut.
- All hooks, such as S-hooks and C-hooks, should be closed (see also §5.3.8.1).

A hook is considered closed if there is no gap or space greater than 0.04 inches, about the thickness of a dime 3)

2.5.4 Paints and finishes

- Metals not inherently corrosion resistant should be painted, galvanized, or otherwise treated to prevent rust.
- The manufacturer should ensure that the users cannot ingest, inhale, or absorb potentially hazardous amounts of preservative chemicals or other treatments applied to the equipment as a result of contact with playground equipment.
- All paints and other similar finishes must meet the current CPSC regulation for lead in paint.
- Painted surfaces should be maintained to prevent corrosion and deterioration.
- Paint and other finishes should be maintained to prevent rusting of exposed metals and to minimize children playing with peeling paint and paint flakes.

4)

2.2.7 Supervision

The quality of the supervision depends on the quality of the supervisor's knowledge of safe play behavior. Playground designers should be aware of the type of supervision most likely for their given playground. Depending on the location and nature of the playground, the supervisors may be paid professionals (e.g., childcare, elementary school or park and recreation personnel), paid seasonal workers (e.g., college or high school students), volunteers (e.g., PTA members), or unpaid caregivers (e.g., parents) of the children playing in the playground. Parents and playground supervisors should be aware that not all playground equipment is appropriate for all children who may use the playground. Supervisors should look for posted signs indicating the appropriate age of the users and direct children to equipment appropriate for their age. Supervisors may also use the information in Table 1 to determine the suitability of the equipment for the children they are supervising. Toddlers and preschool-age children require more attentive supervision than older children; however, one should not rely on supervision alone to prevent injuries. Supervisors should understand the basics of playground safety such as:

- Checking for broken equipment and making sure children don't play on it.
- Checking for and removing unsafe modifications, especially ropes tied to equipment, before letting children play
- Checking for properly maintained protective surfacing.
- Making sure children are wearing foot wear

5)

2.2.6 Signage and/or labeling

Although the intended user group should be obvious from the design and scale of equipment, signs and/or labels posted in the playground area or on the equipment should give some guidance to supervisors as to the age appropriateness of the equipment

6) Weeds and vegetation in the fall zone need to be removed as the roots hold the fall zone in place and makes it less resilient to absorb falls.

All the above issues are concerns however I would address the

signage first, followed by the fixing the swing axes points and then the bolt cutting, finally doing the fall zone. The fall zone needs to be extended however the amount you have as long as children are being supervised this item will be ok for the time it will take to get fixed. however it is imperative all items are brought in compliant with the handbook.

From:

PlaysetParts.com < orders@playsetparts.com >

Sent:

Tuesday, August 23, 2022 5:30 PM

To:

clerk@whitewatertownship.org

Subject:

Your PlaysetParts.com Order Confirmation (#64477)





Thanks for your order!

Order #64477



Double Clevis

SH-42 \$7.99 USD Qty: 2

\$15.98 USD



Basic Commercial Belt Swing

Seat with 8'6" Plastisol Chain

S-024-G-G

Swing Color: Green, Chain Color: Green

\$82.99 USD

Qty: 1

\$82.99 USD



Hex Tool

SH-41 \$0.00 USD Qty: 1

\$0.00 USD

Subtotal: Shipping: Sales Tax: \$98.97 USD

\$18.99 USD

\$0.00 USD

Grand Total: \$117.96 USD

Payment Method: Credit Card

Shipping Method: Flat Rate (Ground) for \$18.99 USD

Shipping Address

Billing Address

Cheryl Goss

WHITEWATER TOWNSHIP 5777 VINTON RD PO BOX 159 WILLIAMSBURG, MICHIGAN 49690 UNITED STATES 231 267-5141 EXT 24

Cheryl Goss

WHITEWATER TOWNSHIP
5777 VINTON RD
PO BOX 159
WILLIAMSBURG, MICHIGAN 49690
UNITED STATES
231 267-5141 EXT 24
CLERK@WHITEWATERTOWNSHIP.ORG

Order Comments

2022-08-23: Tax Exempt - \$7.08 refunded. KS Ship to the PO Box entered by karen

Shipping Lead Times

You will receive an automated email after your order ships out. Please check listed lead times for each product on your order before contacting us about your order status. Thank you!

Check order status

Have Questions?

Have questions about your order or our shipping times? Our Frequently Asked Questions page is a great resource for many common questions about ordering with us. If there's anything else we can help you with don't hesitate to contact us!

	- 8	***************************************	
PlaysetParts.com		Continue	
www.playsetparts.com		Shopping	



Safety Play, Inc. Recreation Specialists

Site Audits, Inspection Tool Kits, Expert Testimony, Safety Manuals, Safety Classes, Planning & Design Services, Safety Labels

PLAYGROUND SAFETY LABELS© ORDER FORM

D TO; _	SE	IP TO;				
- NE; (TACT; _	•	ONE; (NTACT;) –		_	
	*Discounts; 5% off for 1,000-1,999 labels, 1	0% off for 2,	000+1	abels	. De	alers inquire!
SPA NIS	H VERSIONS ONLY (use 2 separate forms i	f ordering	hath	Fng	lich	& Snanish)
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	HOT SURFACE WARNING LABEL	\$1.	50 *		\$	
N	SURFACING <u>WARNING</u> LABEL (version "A") \$1.	50 *		\$	
ED	SURFACING <u>WARNING</u> LABEL (version "B") \$1.	50 *		\$	
N	ADULT SUPERVISION LABEL	\$1.	50 *	4	\$	6.00
	AGE GROUP LABEL; 6-23 MONTHS OF AGE	\$1.	50 *		\$	
	AGE GROUP LABEL; 2-5 YEARS OF AGE	\$1.	50 *		\$	
	AGE GROUP LABEL; 5-12 YEARS OF AGE	\$1.	50 *	8	\$	12.00
	AGE GROUP LABEL; 2-12 YEARS OF AGE	\$1.	50 *		\$	
	TOT SEAT AGE LABEL	\$1.	50 *		\$	
	SURFACING LEVEL MARKER LABEL	\$1.	50 *	8	\$	12.00
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<u>SEND PAYMENT TO - Florida Office</u>: 10460 Roosevelt Blvd., #295, St. Petersburg, FL 33716 <u>Toll Free</u>: (888)878-0244 • Phone & Fax: (727)522-0061

oxdot Please have a rep. call about inspection tool kits, expert testimony, and site audits.



1420 Trade Centre Dr Traverse City, MI 49696 (231) 941-0300

SIGNAGE

INVOICE 435-36592

fastsigns.com/435

FOR REFERENCE ONLY: THIS IS THE INVOICE COPY FROM SIGNS PURCHASED FOR WHITEWATER TOWNSHIP PARK PLAYGROUND. WE WILL BE DUPLICATING THIS FOR HI PRAY PLAYGROUND

Payment Terms: Cash Customer

Order Due Date: 9/20/2022 **Created Date:** 9/13/2022

DESCRIPTION: Playground Signage for Park

Bill To: Whitewater Township

PO Box 159

Williamsburg, MI 49690

US

Pickup At: FASTSIGNS

1420 Trade Centre Dr Traverse City, MI 49696

US

Ordered By: Cheryl Goss Salesperson: Kim Koszyk

Email: clerk@whitewatertownship.org

Work Phone: (231) 267-5141 x 24

Tax ID: not required

Salesperson. Rim Roszyk

Email: 435@fastsigns.com

Entered By: Kim Koszyk

NO.	Product Summary	QTY	UNIT PRICE	AMOUNT
1	Playground Rules	2	\$49.395	\$98.79
1.1	Aluminum .063 - Aluminum .063			
	Part Qty: 1 Width: 12.00" Height: 18.00" Sides: 1			
			Subtotal:	\$98.79
			Taxes:	\$0.00
			Grand Total:	\$98.79
			Amount Paid:	\$0.00
			BALANCE DUE:	\$98.79

Signature:	Date:	

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board of Trustees

CC: None

Date: 9-30-2022

Re: Township Board Minutes – Clerk's Statutory Duty

Board Members -

At our September 13, 2022 Whitewater Township Board meeting the Board reaffirmed the Clerk's statutory duty to take minutes for the body. According to legal, any agreement to subcontract those duties would have to come in front of the Board for approval. The motion by Glenn to continue and complete this meeting and its minutes in the manner we have started and starting tomorrow all regular and special board meeting minutes will be the responsibility of the Clerk's Office which was seconded by Vollmuth. The motion was in reference to allowing the subcontractor to complete the meeting that was currently in progress.

At the same meeting the board found consensus on two other items. First, minutes taken by an unapproved subcontractor would be approved in an attempt to move forward. With this thought in mind the July Draft Township Board Minutes are presented for approval. Secondly, there is an unapproved expenditure of taxpayer funds that needs to be addressed at a future meeting.

Motion One:

Motion to approve the July 12, 2022 Township Board minutes.

Motion Two:

Motion to approve the July 19, 2022 9:00 a.m. Township Board minutes.

Motion Three:

Motion to approve the July 19, 2022 6:00 p.m. Joint Township Board/Planning Commission Meeting.

Respectfully submitted,

Whitewater Township FOIA Coordinator Supervisor, Whitewater Township

1

DRAFT MINUTES

Whitewater Township Board Minutes of Regular Meeting held July 12, 2022

Call to Order/Pledge of Allegiance

Supervisor Popp called the meeting to order at 9:01 a.m. at the Whitewater Township Hall, 5777 Vinton Road, Williamsburg, Michigan, followed by the Pledge of Allegiance.

Roll Call of Board Members

Board Members present in person: Popp, Goss, Glenn, Vollmuth

Board Members absent: Benak Others present in person: 10 Others present via Zoom: 9

Set/Adjust Meeting Agenda

Goss: Remove unfinished business #3 and new business #3, #4 and #5.

Popp: Move PC appointment to the report section.

There was consensus to agenda revisions.

Declaration of Conflict of Interest

None

Public Comment

Public comment began at 9:05 a.m.

Linda Slopsema, 9693 Miami Beach, commented on the boat launch project. Vicky Beam, 6847 Baggs Road, commented on the moratorium and PC appointment. No name given commented on a moratorium, expand industrial area.

Karin Boyd reminded the board to work with the people.

Public comment ended at 9:16 a.m.

Public Hearing

None

Reports/Presentations/Announcements/Comments (9:16 a.m.)

County Commissioner Report

• Not available

Fire Department Report

Brandon Flynn gave the following report:

- Many calls, wild fires, very dry season. 70 calls right now; last year around 35 or 38
- Air truck ready to go in for compressor work.
- Working with two new applicants, one resident, one non-resident, one trained, one not.

Planning Commission Appointment

Question and answer with board members and Steelman regarding experience and interest.

Motion by Popp to confirm the recommendation of the supervisor appointing Rachel Steelman to a vacant partial 3-year term position on the Whitewater Township Planning Commission. The term shall end December 31, 2022; second by Goss.

Discussion: Goss recommends the appointment be extended past December 2022.

Roll call vote: Vollmuth-no; Benak-n/a; Popp-yes; Glenn-yes; Goss-yes. Motion carried.

Planning Commission Report

The township board representative to the planning commission position is currently vacant.

Mangus via Zoom: Public hearings were completed; the PC did not get through discussion and changes. Zoning ordinance adoption process presented to the PC and available for the board.

Parks & Recreation Advisory Committee Report

Cheryl Goss gave the following report:

- Committee met last night; 3 members present.
- HPP dugouts: sealed drawing and commercial plan review application received yesterday, will be submitted to Construction Code this week.
- WTP playground inspection was discussed.
- Regarding BCNA/Lossie Road tree removal, committee asked Goss to inquire about status of the project.
- Regarding Lossie Trail wetlands/bridge improvements, Melton is seeking a recommendation from Grand Traverse Conservation District about potential fixes.
- Hi Pray Park playground inspection requested.
- Re: BCNA/LRNT signage, Melton will ask Largent how their tree removal work might affect signage and trails if anything gets moved.
- Lot of discussion about grant opportunities, as well as a motion asking board to review Capital Improvement Schedule in relation to Parks & Recreation Survey 2020, with a request for the board to give the committee their top five priorities for the PRAC to work on.

Vollmuth questioned the lack of a packet for the PRAC meeting.

Goss indicated that the topic was discussed at the meeting and they will be including a packet that will be posted on the website.

Popp will bring the item up as an agenda item on a future board meeting.

ESLA – Boat Wash Information – Presentation

Bob Campbell, President of Elk/Skegemog Lake Association, introduced Samantha Ogle. Ogle did a boat wash slideshow presentation.

Staffing the boat wash is a good idea. Most launches do not staff and still find most people do it.

Whitewater Township Board - Minutes of 07/12/2022

DRAFT MINUTES

Hot water is the most effective way to decontaminate.

Invasive species are cyclical. "Not MI Species" is a webinar available online.

Consent Calendar (10:10 a.m.)

Receive and File

- 1. Supervisor's Report for June 2022
- 2. Clerk/Parks & Recreation Administrator's Report for June 2022 (not available)
- 3. Treasurer Report (not available)
- 4. Trustee Vollmuth's June 2022 Report
- 5. Trustee Glenn's June 2022 Report
- 6. Zoning Administrator's Report for June 2022
- 7. Mobile Medical Response May 2022 Activity Report (not available)
- 8. Fire Department June 2022 Monthly Report
- 9. Planning Commission Report (not available)
- 10. Historical Society Report (not available)
- 11. Approved 05/09/2022 Parks & Recreation Advisory Committee Minutes

Correspondence

- 1. Supervisor Popp Park & Recreation interviews
- 2. Beam Town Hall Meeting
- 3. Recycle Smart Household Hazardous Waste Sign Up
- 4. Supervisor Popp Bills for Approval
- 5. Public Notice Church Street
- 6. McElwee Moratorium
- 7. Mangus ZO Records
- 8. Supervisor Popp Park & Recreation
- 9. Slopsema ZO Amendment Error
- 10. Mangus ZO Request to legal
- 11. Clerk Goss Board Packets

Minutes

- 1. Review/Approve 06/14/2022 regular meeting minutes
- 2. Review/Approve 06/15/2022 special meeting minutes

Bills for Approval

1. Approval of Alden State Bank vouchers # 47887 through 47995

Budget Amendments (none)

Revenue & Expenditure Report (none)

Motion by Glenn to approve Consent Calendar items as presented; second by Vollmuth.

Discussion: Payroll information is available in the clerk's office. Vollmuth requesting an end of year report. Glenn looking for an operating expense, revenue expenditure report and cash balances as of the March 2022 and quarterly April, May, June.

DRAFT MINUTES

Clerk will get the reports out as soon as possible.

Discussion ensued regarding PC requested zoning ordinance documents.

Clerk will provide the requested documents as soon as possible.

Goss noted the MMR report was not in packet.

Popp questioned May 9 PRAC minutes.

Popp questioned June 14 and June 15 minutes regarding PRAC.

Vollmuth presented Ordinance 48 and recommended rewriting the ordinance and reviewing bylaws in the future.

Roll call vote: Goss-yes; Vollmuth-yes; Glenn-yes; Popp-no; Benak-n/a. Motion carried.

Unfinished Business

ANNUAL FINANCIAL AUDIT PROPOSALS - BAIRD / TOBIN

Motion by Popp to approve the expenditure of up to \$10,500.00 for the fiscal year ending March 31, 2022 audit and creation of the F-65 (MI 2) Report Form and to authorize the supervisor to sign Baird, Cotter, & Bishop, P.C. proposal dated June 22, 2022; second by Vollmuth.

Discussion ensued regarding selecting auditors. Goss notes that the auditor selection should be done through an RFP/open bidding process and not during the auditing season. Transparency and unbudgeted cost are issues.

Glenn is in favor of changing auditors.

Vollmuth is in favor of changing.

Roll call vote: Benak-n/a; Glenn-yes; Goss-no; Vollmuth-yes; Popp-yes. Motion carried.

Goss will contact the auditor to schedule the audit.

HI PRAY PARK – PROPOSED CLOSURE OF PLAYGROUND DUE TO SAFETY CONCERNS

Motion by Glenn instructing the Park and Recreation Administrator to immediately close the playground area to public use at the Hi Pray Park due to ongoing equipment safety deficiencies and install signage as to that effect; second by Vollmuth.

Discussion ensued regarding signage and method of closing.

Roll call vote: Popp-yes; Goss-no; Vollmuth-yes; Benak n/a; Glenn-yes. Motion carried.

BOAT LAUNCH / ENTRYWAY IMPROVEMENT PROJECT – FINAL PLANS & PROJECT MANUAL

Removed under Set/Adjust Agenda.

New Business (11:10 a.m.)

ELECTION INSPECTOR WAGES

Motion by Goss to approve election inspector wages of \$16/hour for new election inspectors as listed; second by Glenn.

Goss added an additional inspector name.

Glenn seconded the updated list.

Roll call vote: Glenn-yes; Popp-no; Benak-n/a; Goss-yes, Vollmuth-yes. Motion carried.

PLANNING COMMISSION APPOINTMENT

Moved to Reports/Presentations.

PLANNING COMMISSION PROPOSED ZONING ORDINANCE AMENDMENT #83 Removed under Set/Adjust Agenda.

PLANNING COMMISSION PROPOSED ZONING ORDINANCE AMENDMENT #84 Removed under Set/Adjust Agenda.

PLANNING COMMISSION PROPOSED ZONING ORDINANCE AMENDMENT #85 Removed under Set/Adjust Agenda.

PARK AND RECREATION SUCCESSION PLAN – JOB DESCRIPTION, ADVERTISE, REOUEST TO PRAC

Motion by Popp to place the Deputy Park and Recreation Administrator Job Description as amended on the website; second by Vollmuth.

Discussion and consensus regarding job description.

Roll call vote: Benak-n/a; Vollmuth-yes; Popp-yes; Glenn-yes; Goss-yes. Motion carried.

Motion by Popp to place advertisement for Deputy Park and Recreation Administrator job description in two local newspapers, over two consecutive weekends beginning June 17, 2022; second by Vollmuth.

The ad will be placed by July 22, 2022.

Roll call vote: Popp-yes; Benak-n/a; Vollmuth-yes; Goss-yes; Glenn-yes. Motion carried.

Motion by Popp to authorize supervisor to create a Whitewater Township account on the Pure Michigan Talent Connect Website and post this job opening to that site; second by Vollmuth.

Discussion ensued regarding needed information.

Roll call vote: Vollmuth-yes; Goss-yes; Glenn-yes; Benak-n/a; Popp-yes. Motion carried.

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Motion by Popp to approve supervisor memo dated 6.2.2022 to the Park and Recreation Advisory Committee asking the group to take an active advisory role in the Whitewater Township Camping Park; second by Vollmuth.

Discussion ensued regarding PRAC.

Popp will deliver the memo personally.

Roll call vote: Goss-no; Glenn-yes; Benak-n/a; Popp-yes; Vollmuth-yes. Motion carried.

At 12:12 p.m., the meeting recessed.

At 12:32 p.m., the meeting reconvened.

REVIEW / DISCUSSS MARCH 11, 2022 PLANNING COMMISSION REPORT

Motion by Glenn to approve that recommendations as detailed in Supervisor Ron Popp's June 3, 2022, report and corrective action plan concluding the investigation of the March 11, 2022, Planning Commission meeting can be used to develop a corrective action plan implemented at the board's pleasure; second by Vollmuth.

Discussion ensued regarding timetable and access to records.

Popp will put the recommendations together and bring it back for prioritization.

Roll call: Glenn-yes; Popp-yes; Goss-yes; Vollmuth-yes; Benak-n/a. Motion carried.

WHITEWATER TOWNSHIP PARK PLAYGROUND INSPECTION

Motion by Popp to request that the Parks Administrator in collaboration with the Parks & Recreation Advisory Committee implement the solutions listed above in #1 through #5 no later than September 15, 2022, at a cost not to exceed \$2,000; second by Vollmuth.

Discussion followed.

Roll call vote: Vollmuth-yes; Benak-n/a; Popp-yes; Glenn-yes; Goss-yes. Motion carried.

BRINE APPLICATION

Discussion ensued regarding traffic counts and populations. Use this information for reference. Consensus is that it is not an affordable option.

ROLAND OOSTERHOUSE REQUEST – TREE REMOVAL LOSSIE ROAD TRAIL

Discussion regarding the easement. Board would like more information to make a decision.

REVIEW / MODIFY / APPROVE TOWNSHIP ROAD MAP

Discussion regarding the PASER rating map and the road commission funding allotments to the township.

Whitewater Township Board - Minutes of 07/12/2022

There was consensus to request a 24x36 color copy of the PASER map from the road commission.

Popp will send an e-mail to request the purchase of a frame.

LEGAL REVIEW PROCESS – DOCUMENTS

Discussion ensued. Point person at the attorney's office and at the township; timeline; file format. MSU checklist #4 is the process of amending and adoption of ordinances adopted by the board September 8, 2020. Need revision dates, redline documents, page numbers, document titles/file naming.

Board consensus to contact legal and get their input to incorporate.

PARK ROAD

Discussion ensued regarding road emulsion. Glenn will further investigate and connect with Eric Sanborn.

WEBSITE UPDATE MEETING CANCELLATIONS

Motion by Popp to have the clerk's office regularly update the website calendar for any posted meeting cancellation that occurs providing at least 18 hours of such cancellation to the public; second by Vollmuth.

Discussion ensued regarding posting notice on the door. ZBA meeting postings can be changed so they are posted only when there are meetings scheduled.

Popp amended the motion to replace "clerk's office" with "township board" and to replace "18 hours" with "24 hours"; second by Vollmuth.

Roll call vote: Goss-yes; Vollmuth-yes; Glenn-yes; Popp-yes; Benak n/a. Motion carried.

TOWN HALL MEETING

Discussion ensued regarding various town hall meeting style options. ARPA is a topic that can be addressed or any specific topic. Could be a variety of topics, let the public decide. Free flow just to get people to share, let the dialog ebb and flow with a moderator. A meeting for public involvement / input on the master plan review including the PC. Schedule something before mid-October, before the end of October.

Popp will check on the availability in September at the school, possibly at the Hi Pray pavilion or rent a tent; Thursday, September 22, tentative date.

CAPITAL EXPENDITURE – COMPUTER EQUIPMENT

Motion by Glenn authorizing the clerk to purchase one Epson WF7820 all in one printer scanner for the supervisor's office not to exceed \$350.00 from account 101-901-970 capital expense; second by Vollmuth.

Per Glenn, "clerk" will be changed to "supervisor"; agreement by Vollmuth.

Roll call vote: Benak-n/a; Glenn-yes; Goss-yes; Vollmuth-yes; Popp-yes. Motion carried.

Motion by Glenn authorizing the supervisor to purchase one replacement ink cartridge set for above printer scanner not to exceed \$100.00 from account 101-171-727; second by Vollmuth.

Roll call vote: Popp-yes; Goss-yes; Vollmuth-yes; Benak-n/a; Glenn-yes. Motion carried.

Motion by Popp authorizing the supervisor to purchase three (3) new laptops, related software and device setup for the planning commission seat vacated by Dean, Trustee Don Glenn, and Trustee Heidi Vollmuth not to exceed \$6,000.00 from account 101-901-970 capital expense; second by Vollmuth

Discussion ensued regarding who wants computers.

Roll call vote: Glenn-yes; Popp-yes; Benak-n/a; Goss-yes; Vollmuth-yes. Motion carried.

JOB DESCRIPTION / DISCUSSION MATRIX – PLANNING CONSULTANT

Discussion regarding the job description for a planning consultant/independent contractor. Could be a checklist, put out an ad for the job.

Vollmuth and Glenn spoke with Randy Mielnik who appears to have an excellent process. Mielnik would first address the master plan. Conflict of interest and ethics. Glenn and Vollmuth feel Mielnik would handle any conflict of interest appropriately. Glenn and Vollmuth would like to move forward in hiring Mielnik, solicit an agreement to address the master plan. What is the scope of work he is being asked to do? At this point it would be the master plan review and possibly a future second proposal for ongoing assistance as requested.

Popp will give up on the job description/decision matrix and give up on creating an ad and reach out to Mielnik regarding a bid.

There was board consensus for Popp to proceed as stated.

MORATORIUM - SITE PLAN REVIEW ETC.

Motion by Popp to place a moratorium on all Site Plan Reviews, Site Condominium, Planned Unit Development, Special Use Permits, Plat Approvals, and Condominium Conversions in Whitewater Township until January 1, 2023; second by Vollmuth.

Discussion ensued indicating this is a motion to shut down this township for six months. Goss noted that a moratorium takes away people's property rights. Where does the board get the authority to place a moratorium?

Popp notes that the zoning administrator and the legal team had previously requested the moratorium.

Goss asks what problems need to be addressed? SPR and SUP would need to be the number one priority of the PC.

Glenn notes that this has been being discussed at least since December 2021. The process is necessary and it should be lifted sooner than six months.

Vollmuth asks how long does it take to schedule a special meeting (18 hours?). A moratorium can be lifted at any time.

Popp noted we have not been applying pressure on the PC and now we are. We have a deadline.

Popp restated the motion to place an immediate moratorium; Vollmuth agreed to the change.

Popp again amended the motion to say "... Whitewater Township, effective immediately, until ..."; Vollmuth agreed to the change.

Roll call vote: Benak-n/a; Vollmuth-yes; Popp-yes; Glenn-yes; Goss-no. Motion carried.

Tabled Items (3:37 p.m.)

None

Board Comments/Discussion

July 19, 2022 at 6:00 p.m. is the date for the closed session with the planning commission and the township board with the attorneys regarding the status conference on litigation.

Announcements

Next regular meeting August 9, 2022 at 9:00 a.m.

Closed session special meeting July 19, 2022 at 6:00 p.m.

Public Comment

Public comment began at 3:40 p.m.

Kim Mangus, 5101 Brown Bear, commented that the PC has begun work to get a Word document of the zoning ordinance. Looking to get something from the clerk so it can be edited.

Brian commented on meeting cancellations, Acme Township zoning changes, audit costs and web posting.

Terese Hooper commented that she is tired of the hypocrisy of a board member.

Heidi Vollmuth commented on private citizen rights, farming products, farming benefits, stealing the vote.

Vicki Beam commented on the moratorium, development, playground closure, insurance Whitewater Township Board - Minutes of 07/12/2022

agent, auditor, professional guidance, getting the house in order.

Connie Hymore commented on the disconnects in the boards and commissions, town hall meeting, ordinances being quoted, conflict of interest, public perception, PC chair conflict of interest.

Tom McElwee commented on the traffic of Lakeside Trail and Baggs Road, Lossie Road Trail, moratorium, town hall meeting before October 1.

Karin Boyd commented on misinformation, town hall meeting, moratorium, zoom recording, auditor, cost of pot, set and follow rules, lawsuits.

Lois MacLean commented on the moratorium, Grand Traverse Road Commission road assessment millage.

Public comment ended at 4:07 p.m.

Adjournment

Motion by Vollmuth to adjourn; second by Glenn. Roll call vote: Popp-yes; Benak-n/a; Vollmuth-yes; Goss-yes; Glenn-yes. Meeting adjourned at 4:08 p.m.

Respectfully submitted, Lois MacLean Recording Secretary

Whitewater Township Board Minutes of Special Meeting held July 19, 2022 at 9:00 a.m.

Call to Order

Supervisor Popp called the meeting to order at 9:00 a.m. at the Whitewater Township Hall, 5777 Vinton Road, Williamsburg, Michigan.

Roll Call of Board Members

Board Members present in person: Popp, Goss, Benak, Glenn, Vollmuth

Board Members absent: None Others present in person: 4

Others present via Zoom: Up to 8

Set/Adjust Meeting Agenda

There were no adjustments.

Declaration of Conflict of Interest

None

Public Comment

Public comment began at 9:01 a.m.

Bob Hall, Zoning Administrator, commented that he wants to make it very clear that Whitewater Township has a zoning administrator. Zoning has checks and balances through the Zoning Board of Appeals. The zoning administrator is charged with enforcing the zoning ordinance. No individual board member or collective is charged with administrating the zoning ordinance beyond the zoning administrator. Hall made it clear that the applicant on Baggs Road has not expressed interest in a Planned Unit Development (PUD). A PUD is different than a site condominium. Hall reads the zoning ordinance to be that a site condo development is not subject to PUD rules and regulations. Thinks it is great that the board is taking the opportunity to look at this. Wishes the board would have a liaison on the planning commission. Article 25 is very clear; site plan reviews and special uses are not the same thing, and they are not subject to the same standards.

Vern Gutknecht submitted a letter and read through the letter.

Karin Boyd, 6303 Baggs Road, commented on rural character, roads in the development, zoning ordinance, listen to the residents, shared a picture of the development plan and the need of having someone on the PC from the board.

Vicki Beam, 6847 Baggs Road, read a statement, commented regarding development, master plan, property rights, rural character, water concerns, Grobbel statement, Hall statement, moratorium, and zoning ordinance confusion.

Amy Haskell, 6699 Baggs Road, commented on the proposed Baggs Road development, building a home and local government.

Whitewater Township Board - Minutes of 07/19/2022 Meeting at 9:00 a.m.

Connie Hymore, Baggs Road, disagrees with Bob Hall, commented on moratorium, zoning ordinance, passed out part of an email thread with Bob Hall, PUD, site condominiums, zoning ordinance, roads, special use permit and master plan.

Frank Hymore, Baggs Road, commented on the moratorium, planning commission work on zoning ordinance, flow charts, available resources and master plan.

Heidi Vollmuth, 8388 Winnie Lane, Trustee, recommended that the board should read documents that she handed out prior to the meeting.

Jhc3 commented on Baggs Road development, road use and traffic.

Popp read a comment from Mark Rickey regarding Baggs Road development, rural character and zoning.

Popp read a comment from Kim Elliott regarding direction of Whitewater Township, Baggs Road development, marihuana and surveys.

Public comment ended at 9:43 a.m.

Board discussion followed:

- Glenn and Popp noted there may be questions that need to be addressed outside of this meeting. Glenn would like to open it up like a public forum.
- Goss feels the ordinance is being followed by the zoning administrator. Does not have questions and is not in favor of an open forum meeting. Questions can be sent to the attorney.
- Benak feels that an open forum meeting should include the zoning administrator and planning commission chair.
- Popp would like to reach out to the public and noted that Ordinance #16 is a general ordinance.

REVIEW WHITEWATER TOWNSHIP ZONING ORDINANCE ARTICLES (9:44 a.m.) Discussion ensued.

Glenn noted that Bob Hall and Kim Mangus noted deficiencies in Article 25.

Benak noted that the planning commission has addressed Article 25, made legal and zoning administrator recommended changes and should be coming from the PC for approval after their next meeting.

Specific zoning ordinance article information read, questioned and discussed.

Mangus, via Zoom, noted that recommended changes in Article 25 have been addressed and will be presented to the board for approval.

Whitewater Township Board - Minutes of 07/19/2022 Meeting at 9:00 a.m.

Discussion continued on specific zoning ordinance article information.

At 11:04 a.m., Goss left the meeting.

REVIEW PUBLIC ACT 59 OF 1978 CONDOMINIUM ACT

Discussion ensued.

Benak recommended questions go to the attorney.

REVIEW OTHER PUBLIC ACTS/MICHIGAN COMPILED LAWS AS NEEDED

Not specifically addressed.

Board Comments/Discussion (11:20 a.m.)

Benak noted that the planning commission is working on the zoning ordinance. We hire professionals with expertise. Noted that the codification process was supposed to address many of today's discussed concerns.

Popp recommended that we follow the process and place questions of interpretation before the Zoning Board of Appeals who may go to legal for assistance. Site development, land division process needs to be addressed and feels that it all comes back around and references General Ordinance 16.

Vollmuth noted that it all seems circular.

Glenn noted that there is confusion and there may be things that were eliminated that we may need to have addressed. General Ordinance 16 needs to be addressed. The process needs to be addressed.

Popp would like to send a question to the attorney to find out if things should be sent through the Zoning Board of Appeals (ZBA). Who is responsible to interpret? Can the board go through the ZBA?

Benak suggested that we get information through the zoning administrator, get an opinion of the concerns brought up today, and then possibly take the questions to the attorney.

Vollmuth would like to address the interpretation question.

Public Comment

Public comment began at 11:49 a.m.

Vern Gutknecht commented on strategic plans, hire professional and issues need to be addressed.

Kim Mangus commented that comments from the audience were not heard on zoom, review what the planning commission is sending forward, place all ordinances online, special use permit rules, planning commission access to professionals, lack of planning commission

Whitewater Township Board - Minutes of 07/19/2022 Meeting at 9:00 a.m.

members, board liaison to the PC, and using the current process, zoning ordinance changes timing is a minimum of six months.

Connie Hymore commented on appreciation of the meeting, referenced a planning guide and board and PC communication.

Vicki Beam commented on an appreciation of the meeting, site condo split, PC training, more PC meetings, private roads, additional resources, legal resources and zoning administrator.

Karin Boyd commented on an appreciation of the meeting.

Public comment ended at 12:03 p.m.

Adjournment

Motion by Vollmuth to adjourn; second by Popp. Roll call vote: Popp-yes; Goss-n/a; Benak-yes; Glenn-yes; Vollmuth-yes. Meeting adjourned at 12:04 p.m.

Respectfully submitted, Lois MacLean Recording Secretary

Whitewater Township Board and Whitewater Township Planning Commission Minutes of Joint Meeting held July 19, 2022

Call to Order

Supervisor Popp called the meeting to order at 6:00 p.m. at the Whitewater Township Hall, 5777 Vinton Road, Williamsburg, Michigan.

Roll Call of Township Board Members

Members present in person: Popp, Goss, Benak, Glenn, Vollmuth

Members absent: None

Roll Call of Planning Commission Members

Members present in person: Mangus, Jacobson, Keaton, Wroubel, Darrow, Steelman

Members absent: (Township Board Representative vacancy)

Others Present

Others present in person: None Others present via Zoom: 1

Set/Adjust Meeting Agenda

Typo corrected on the agenda. No other adjustments.

Declaration of Conflict of Interest

Planning Commission: None Township Board: None

Public Comment

Public comment began at 6:06 p.m.

Linda Slopsema commented on the lawsuit agenda item and delay of township projects.

Public comment ended at 6:09 p.m.

CLOSED SESSION – STATUS CONFERENCE RE: NORTHPOINT FARMS V WHITEWATER

Planning Commission motion to go into closed session:

Regarding the case of Northpoint Farms, LLC v Whitewater Township, now pending in the Grand Traverse County Circuit Court, Case No. 21-035830-AW, Jacobson moved to go into closed session to consult with the Township's attorney regarding trial or settlement strategy in connection with specific pending litigation because an open meeting would have a detrimental financial effect on the litigating or settlement position of the Township; second by Wroubel.

Roll call vote: Wroubel-yes; Darrow-yes; Keaton-yes; Mangus-yes; Jacobson-yes; Steelman-yes. Motion carried.

Township Board motion to go into closed session:

Regarding the case of Northpoint Farms, LLC v Whitewater Township, now pending in the Grand Traverse County Circuit Court, Case No. 21-035830-AW, Goss moved to go into closed session to consult with the Township's attorney regarding trial or settlement strategy in connection with specific pending litigation because an open meeting would have a detrimental financial effect on the litigating or settlement position of the Township; second by Glenn.

Roll call vote: Vollmuth-yes; Benak-yes; Popp-yes; Glenn-yes; Goss-yes. Motion carried.

At 6:16 p.m., Recording Secretary MacLean exited the meeting room and the closed session began.

At 6:31 p.m., Recording Secretary MacLean returned to the meeting room. The open session resumed at 6:32 p.m.

Township Board/Planning Commission Comments/Discussion

There were brief comments from Darrow and Mangus.

Public Comment

None

Adjournment

Planning Commission

Motion by Jacobson to adjourn; second by Darrow. Roll call vote: Darrow-yes; Keaton-yes; Mangus-yes; Jacobson-yes; Steelman-yes; Wroubel-yes. Meeting adjourned at 6:35 p.m.

Township Board

Motion by Benak to adjourn; second by Vollmuth. Roll call vote: Goss-yes; Vollmuth-yes; Glenn-yes; Popp-yes; Benak-yes. Meeting adjourned at 6:36 p.m.

Respectfully submitted,

Lois MacLean Recording Secretary



WHITEWATER TOWNSHIP FIRE DEPARTMENT

8380 OLD M-72 + PO Box 9 + WILLIAMSBURG, MICHIGAN 49690 + 231.267.5969 + FIRECHIEF@WHITEWATERTOWNSHIP.ORG

MEMO

To: Whitewater Township Board

From: Fire Chief Brandon Flynn

Date: September 29, 2022

Subject: New Fire Department Employees

Chief Flynn is requesting Whitewater Township Board approval to accept the applications of three new part-paid firefighters. All three applicants have completed the hiring requirements and have been attending weekly training meetings.

Brian Haskin, lives in Whitewater Township and has been a part-time Firefighter/EMT with Grand Traverse Metro Emergency Services for the past 20 years. Mr. Haskin is fully trained and works from home.

Sean Dagenhart is another fully trained firefighter who has recently moved back to this area from Drummond Island. Mr. Dagenhart just accepted a full-time job at the Grand Traverse County Road Commission and would enjoy continuing his community service with our fire department.

Joseph Perkovich lives in East Bay Township and has a new passion for helping his community. Mr. Perkovich is not trained and will be joining Probationary Firefighter Cole Kushner in attending the Fire Academy this fall with an expected graduation date in early May 2023.

Unfortunately, all three applicants cannot attend the Township Board Meeting for an inperson introduction



WHITEWATER TOWNSHIP FIRE DEPARTMENT

8380 OLD M-72 + PO Box 9 + WILLIAMSBURG, MICHIGAN 49690 + 231.267.5969 + FIRECHIEF@WHITEWATERTOWNSHIP.ORG

MEMO

To: Whitewater Township Board

From: Fire Chief Brandon Flynn

Date: September 15, 2022

Subject: Sale of two Arctic Cat Snowmobiles

Chief Flynn is requesting permission from the Whitewater Township Board to sell two existing rescue snowmobiles that were replaced this year.

Whitewater Township's two 1998 Arctic Cat 550 Bearcat snowmobiles (VIN #'s 9835938 & 9835921) were replaced in early 2022 by two new Polaris snowmobiles partially funded by 2% grant money. With permission, the Fire Department plans to sell the two snowmobiles individually in a sealed bid format similar to the snowmobile trailer that was sold in 2020.

Motion:

Motion to allow Chief Flynn to sell Whitewater Townships two Arctic Cat snowmobiles in a sealed bid format.



Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board of Trustees

CC: None

Date: 9-29-2022

Re: ARPA Survey Discussion

Board Members -

First, a huge thank you to the residents and board members that worked on the ARPA survey. The information your work provided is a vital part in the process of spending this funding. The Board could not have completed this work on their own.

A single page of the report was released to the public and used as a handout during the townhall meeting held. September 22, 2022. Here now is the full report for board and public review. Like the survey, the purpose of the townhall meeting was to collect public input and to further our compliance with ARPA final rules. The intended purpose of all this work was to provide the board with tangible guidance when selecting projects to fund with APRA Money.

The goal of this business is to review the data it has collected and determine a number of survey categories it would like to focus on. For the purpose of discussion, the following motion is made:

Motion to use data collected from the June 2022 ARPA Survey and the September 2022 Townhall ARPA Meeting to direct Whitewater Township's ARPA funding in three categories. Broadband, Fire Truck repair or replacement, and Park & Recreation.

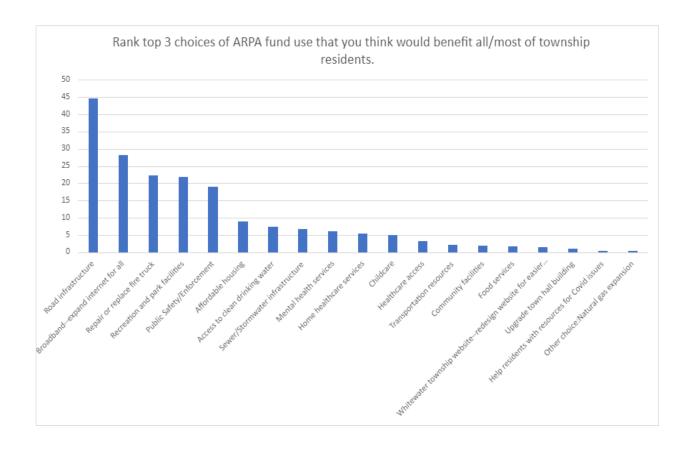
Respectfully submitted,

Whitewater Township FOIA Coordinator

Supervisor, Whitewater Township

ARPA FUND SURVEY 2022

An ARPA fund survey was included with the mailed Whitewater Township Summer Tax Bill with the return date of September 15, 2022. Of 1,576 surveys mailed, 194 surveys were returned. Of the 194 surveys, 112 were ranked choice 1,2,3 and 82 were marked by 3 Xs. The weighted tabulation of data combining the 3 ranked choices plus the unranked 3 choices is shown in the graph below.



From the table of data by rank choice and unranked choices, clearly there were 5 top categories:

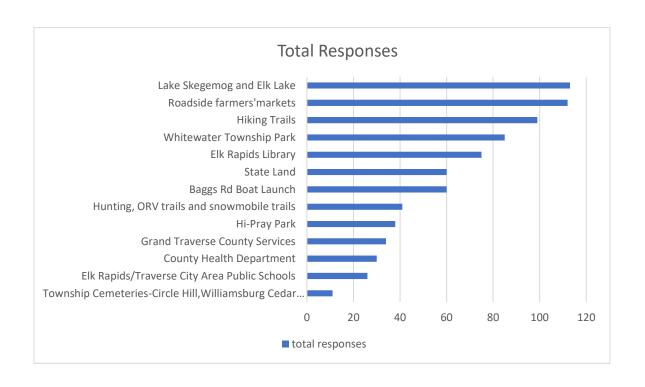
- 1. Road Infrastructure
- 2. Broadband-expand internet for all
- 3. Repair or replace fire truck
- 4. Recreation and Park Facilities
- 5. Public Safety/Enforcement

Rank top 3 choices of ARPA fund use that you think would benefit all/most of township residents.

	#1	#2	#3	3 Choices,
	_	_	_	not ranked
Access to clean drinking water	9	0	3	7
Affordable housing	6	4	4	13
Broadbandexpand internet	19	10	10	41
for all				
Childcare	3	5	5	3
Community facilities	1	2	3	1
Food services	1	0	3	2
Healthcare access	0	3	1	6
Help residents with resources	0	0	0	1
for Covid issues				
Home healthcare services	1	4	4	9
Mental health services	2	4	4	9
Public Safety/Enforcement	10	16	10	21
Recreation and park facilities	12	14	11	28
Repair or replace fire truck	9	14	15	32
Road infrastructure	36	24	16	47
Sewer/Stormwater	2	5	5	10
infrastructure				
Transportation resources	0	2	5	1
Upgrade town hall building	0	0	3	2
Whitewater township	0	1	5	1
websiteredesign website for				
easier access to educate,				
inform and notify residents				
Other choice:Natural gas	0	1	0	0
expansion				

Whitewater Township Resources you have used in the past 2 years.

"Hi" Pray Park	38
Hiking Trails	99
Baggs Rd Boat Launch	60
Roadside farmers' markets	112
Lake Skegemog and Elk Lake	113
State Land	60
Hunting, ORV trails/ snowmobile trails	41
Whitewater Township Park	85
Elk Rapids Library	75
Elk Rapids/Traverse City Area Public Schools	26
County Health Department	30
Township Cemeteries-Circle Hill, Williamsburg Cedar Rapids	11
Grand Traverse County Services	34



ARPA funds survey--Other line comments in section of Rank top 3 choices of ARPA fund use

Inspect/remediate septic systems near lakes, non-motorized roadway expansion, esp Elk Lake Rd

Redo—Skegemog Point Road—its terrible.

Frequent flooding on Clearview Dr and Topview Dr

Sewer system*

*Note: Sewer infrastructure for lakefront homes & businesses to protect our valuable Elk and Skegemog lake waters for all residents to enjoy.

Patch Skegemog Point rd.

Whitewater township park.

Pave Crisp Rd

Upgrade pickle ball courts

Fix road all the way to campground

Ambulance - etc.

Pave Park Road

Roads, Roads, Roads.

Rank #2 Natural Gas

3: Road repair and maintenance

Natural Gas connection

Skegemog Point road

Expand natural gas distribution to the Island Lake area

Mosquito control

1 Disc golf course

2) Trail upgrades at Battle Creek and Lossie Rd

2) Battle Creek Trail

None. Can't afford to go to grocery store, let alone anything fun.

Use township road dayly everyone does. Not a special group!

ARPA FUNDS SURVEY 202

How did Covid impact your business, employment, health, household, or access to services needed?

I did not have any real need or problems. Zoom was very helpful for township meetings.

Biggest problem was Whitewater Twp park boat launch dock is way too short.

All our needs were met.

We need to find a way to get people working in our businesses. No more free money! Match or subsidize if person is working!

Food prices.

We did not get Covid 19. We got free test available.

Decreased revenue. Was not essential so could not work.

Covid-19 had no negative affect on my business. In fact my business grew in spite of the virus.

Dependable high speed internet. Access to testing. Largest impact was misinformation about the pandemic, testing, vaccines, resulting in residents not taking it seriously, keeping hospitals impacted, & mutations we have to keep fighting.

Health - I had Covid. It took me out of commission for a month. Depression occurred but other then that everything was good with the household and employment.

Didn't bother me much—I was home alone most of the time—as usual. I usually only leave the house if I need groceries.

No impact at all.

Not at all.

We stayed home.

Nothing you can help.

We did not get the covid. We both got all of our shots. Kept away from people as much as possible.

Greatest impact for me & my daycare was Hi- Pray park in Wmbg. A walking track at Hi-Pray park would be great also.

No change

Other: No more dope(?) stories(?). It's ridiculous and sends wrong message.

We need reliable science based information about precautions and protocols. We needed to respect medical opinions offered by healthcare professionals. We needed politicians to refrain from dividing citizens for political gain. We needed generosity and gratitude for efforts made by professionals.

I needed to pivot to working from home full-time. This has been very challenging without broadband. The slower DSL speed (which is our only option) significantly impacts my ability to perform job-related tasks.

It was quieter in my neighborhood. Fuel was cheaper. Fewer tourists was nice. Met more neighbors on walking trails. Probably stayed healthier because of masks and sanitizer.

Covid destroyed my real estate photography business.

I think the camping prices should be less then it is now. I think township residents should be lower price of camping. Need to fix the road to the township camp grounds.

We needed high speed internet for work and school. Those are still needs for us. We have satellite, which is slow and unreliable.

Our grandson helped us. We are old - 80's and 90's. Also some Super Good Neighbors were really helpful.

No resources were needed.

Nothing.

Cook Rd is the worst road in the township.

Ambulance and fire services.

Needed LESS restrictions on personal freedoms.

COVID increased both our utilization as well as the value we place on local parks and trails.

What we personally needed most was for businesses to be open and employees to be working and access to supplies. Masks at every business would have been nice to as we always forgot to have them in our car.

No personal impact fortunately. Groceries most needed.

No major impact.

Internet for homeschooling/virtual learning.

I went to zoom to teach classes virtually instead of face to face. I lost one job at Munson due to budget cuts for the program I worked in.

Covid did not affect me in any area!

None.

I did not go visit. I stayed home, because of my health, my kids did all my shopping and anything else I needed so I did not catch covid.

Covid had no impact on our household.

Resources for testing. Assistance if covid happened. Strong internet signal.

Inability to get out to make purchases. Would have appreciated help with food purchases.

I most needed accurate information regarding vaccinations and how to sign up for them.

Accurate information regarding safety precautions for communicability of the virus was important.

Kept me/us home more and not outside as much.

Lowered contact and involvement with community & activities in general. Less travel, fewer meals away from home and cultural events.

Access to COVID vaccinations.

I didn't do much shopping in any of the stores. Still order most of my food on line and pick up at the store.

Customers sick & don't want to get sick about half of business. Was on unemployment, shipping — not having stuff that was needed. Doctor appt.

I am retired so covid impact on me was minimal except for access to some services and household goods.

I personally "needed" nothing from government during the Covid Cult Insanity; except to stay the hell out of my life and stop with the pointless power grabs and mandates that ACTUAL SCIENCE confirms were total bullshit.

Cook road repair.

As a mom of 4 school age children our biggest struggle was the internet during covid. We use a hot-spot because of our rural area. Made school very hard. Would love to see internet for all in Whitewater TWP.

Covid most affected my Health — I nearly died from it and have had lung issues since. I believe it was deliberately released upon the world as a means of depopulation and a way to inoculate an entire world with a poision that will in time show it's true intent. I expect nothing by way of my Township. What is needed is for the truth to be acknowledged —Not Government Lies.

Since I am not a full time resident, this does not apply to me.

We were fine during covid.

Worked remotely for 2 1/2 month, so good internet connection was needed.

*Needed more people at businesses to deliver food and medicine to those that couldn't get out

*Need home health care available.

*Need senior activities in the Williamsburg area.

Fire Truck/Roads/Most Important!

Upgrade your technology now. We should see the zoom folks. Thank you to the ladies I saw pulling weeds.

Better internet. Information about covid injections availability, it was impossible to quickly get any reliable information.

We needed a better way to connect with students that couldn't go to school. Better internet service and CHEAPER cost. More choices.

The lakes and outdoor recreation areas provided tremendous relief for our families. Being able to enjoy the outdoors helped with stress reduction, physical and mental health for all of us.

In trying to home school grandchildren when schools were closed and parents were required to be at work, the internet service was less than desirable—very slow and not reliable. Education is very important and in todays world, it is imperative that every child has access to these much needed services and tools.

Covid affected our family the way it affected many families in our area. We were not able to see friends & family. It was stressful going out for groceries & other necessities. Shortages at stores. Lack of employees shutting down stores.

No one checked on senior citizens in our township. No help for seniors i.e. handyman,driver, household chores during covid. There is no senior group meeting place in twp. Sad twp doesn't care much for seniors.

My family needed a safe and enjoyable place to walk, bike, etc. and had to drive further(outside of Whitewater) to get to good, safe, updated trails.

Nothing as emergency nurses.

Covid kept us all "inside" & safe but less contact with people. My Whitewater Twp home is not my primary home. I spent less time at the Elk Lake house.

Difficult to access healthcare.

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board of Trustees

CC: None

Date: 9-30-2022

Re: County ARPA Grant Discussion

Board Members -

If Whitewater Township wants to be considered for any of Grand Traverse County's ARPA funding, we need to complete application(s) forms. Other townships are actually making several applications for numerous uses and amounts. One common thread appears to be recreation which could be a stretch to comply with the priority categories listed on the County's application.

To date, residents working with Fire Chief Flynn are assembling an application for fire engine funding. Whitewater Township doesn't really fit the typical definition for critical infrastructure we are rural by nature however, a strong argument for broadband could be made to fit in to this category. Two other possible applications could be submitted for the proposed boat launch project and trail upgrade to Lossie Road Nature Trail. Each of those could be described as enhancing metal and behavioral health. We could explore a public private partnership addressing workforce housing and childcare capacity as we have room to grow and a childcare facility already operating within the Township.

No motion is made at this time pending Board discussion of Grand Traverse County's ARPA Grant Application.

Respectfully submitted,

Whitewater Township FOIA Coordinator

Supervisor, Whitewater Township

Grand Traverse County

American Rescue Plan Act (ARPA) Funding Application

September 1, 2022



Background

On March 11, 2021, the American Rescue Plan Act was signed into law and established the Coronavirus State and Local Fiscal Recovery Funds (SLFRF) program. The SLFRF program is intended to provide support to local, tribal, and state governments in responding to the negative health and economic impacts of COVID-19.

Grand Traverse County received \$18,081,253 and must obligate these funds by December 31, 2024, and expend them by no later than December 31, 2026. The Grand Traverse County Board of Commissioners (BOC) formed an ARPA advisory committee (ARPAAC) to make recommendations regarding the priorities for use of these funds. The committee identified eight priority areas and the general public was asked to rank these priorities in an <u>online survey</u>:

	Public Survey Ranking	ARPAAC Priority
Support critical infrastructure needs	1	Primary
Increase attainable workforce housing	2	Primary
Enhance mental and behavioral health	3	Primary
Increase child care capacity and quality	4	Primary
Support public safety	5	Secondary
Stabilize the healthcare system	6	Secondary
Enhance small-business support and economic development	7	Secondary
Increase the number of skilled employees to fill in-demand jobs	8	Primary

The County is now seeking project applications to award SLFRF funds to address the priorities listed above, as well as other activities that may be eligible under SLFRF guidelines.

Process

Applications may be submitted now through October 31, 2022. Proposals will be reviewed for eligibility and scored by Public Sector Consultants, the consulting firm supporting the county's ARPA strategy. The ARPAAC will then review scores and make funding recommendations to the BOC. All applications and the recommendations will be submitted to the BOC for review and approval. Applications not meeting eligibility under ARPA guidelines will not be scored or recommended for approval but will still be shared with the ARPAAC and BOC.

Application review and recommendations from the ARPAAC are expected to be completed in December 2022. The BOC will likely take approval action to awards the funds in early 2023 with contracts to immediately follow. The BOC reserves the right to award full or partial requests.

Scoring

Submissions will be scored on a 50-point scale with 30 points assigned for project details, ten for budget, and ten for organizational capacity. Points per response are further broken down in the project information sections.

Requirements

Activities funded with SLFRF must meet both eligibility and reporting and compliance requirements as determined by the U.S. Treasury and related federal requirements.

Eligible Applicants

Organizations eligible to apply include for-profit businesses, nonprofits, educational institutions, and other public agencies providing eligible activities within Grand Traverse County. Local governments, including cities, villages, and townships located within the county, are also eligible.

Eligible Activities

ARPA funds must be expended on eligible activities as determined by the U.S. Department of Treasury. Funding can generally be spent on the following activities:

- Responding to the public health and economic impacts of COVID-19: Public health response includes COVID-19
 mitigation and prevention and behavioral healthcare, including support for healthcare organizations and
 individuals. Economic assistance includes assistance to households, small businesses, and nonprofits, and aid to
 impacted industries, such as tourism, travel, and hospitality. Household assistance can include a wide variety of
 supports, such as those addressing food insecurity, child care, housing, and internet access.
- **Providing premium pay for essential workers:** Premium pay is for workers performing essential work during the COVID-19 public health emergency who meet certain wage and Fair Labor Standards Act provisions.
- Supporting water, sewer, and broadband infrastructure: Capital expenditures to improve access to clean drinking
 water, support vital wastewater and stormwater infrastructure, and to expand affordable access to broadband are
 eliqible activities.
- **Replacing public sector revenue loss**: Local governments can utilize SLFRF funds to provide government services to the extent needed to cover the reduction in revenue experienced due to the public health emergency.

The U.S. Treasury has provided detailed guidance on eligible expenditures in several documents. It is strongly advised that applicants read the following documents BEFORE deciding whether to submit an application:

- Overview of the Final Rule
- Final Rule: Frequently Asked Questions

Additional U.S. Treasury documentation, including a link to the complete Final Rule, can be found on the <u>SLFRF</u> website.

Compliance and Reporting

Recipients of SLFRF funds may be subjected to federal reporting and compliance depending on whether they are deemed a beneficiary or a subrecipient. Beneficiaries are individuals or organizations receiving SLFRF funds to address public health or negative economic impacts they experienced due to the pandemic. For example, a nonprofit could be provided funding for operations due to revenue shortfalls caused specifically by the pandemic.

Subrecipients also may receive SLFRF funds but for the purposes of carrying out activities on behalf of the county. Subrecipients are considered pass-through entities and provide programs and services to beneficiaries. For example, a nonprofit providing utility assistance to households impacted by the pandemic would be considered a subrecipient and subject to federal reporting and compliance. It is expected that most awardees will be designated as subrecipients.

Subrecipient reporting and compliance requires monitoring by the County to ensure recipients meet federal Uniform Guidance, including, but not limited to, internal controls, auditing, procurement, and civil rights compliance. The Bloomberg Cities Network has developed a helpful SLFRF <u>compliance and reporting guide</u> which includes several documents that provide an overview of compliance requirements:

- Subrecipient Monitoring Tool
- Uniform Guidance and Reporting Compliance Guide

For additional reference, please review the complete title 2, part 200, of the Code of Federal Regulations.

Questions

Questions on the application process can be submitted through September 30, 2022, to Amy Lynch at Public Sector Consultants at alynch@publicsectorconsultants.com. All responses to questions will be posted on the county's ARPA website by October 5.

Project Information

Contact Information

Organization name	
Contact name	
Title	
Phone number	Email address
Address	
City	zip code
Project Overview	
Project name	
Priority Category	
Please select the single category that best de	fines your project.
☐ Support critical infrastructure needs	☐ Support public safety
☐ Increase attainable workforce housing	☐ Stabilize the healthcare system
☐ Enhance mental and behavioral health	☐ Enhance small-business support and economic development
\square Increase child care capacity and quality	\square Increase the number of skilled employees to fill in-demand jobs
Project address or areas served	
Funds requested	Total project costs
Current funds committed	

Project Details (30 points)

1.	Project description . Describe the project in detail, including a description of the work to be undertaken and project timing (500-word limit).					
2.	Community priorities (5 points) . Describe which community priority is being addressed by the project and to what extent. If the project addresses more than one priority, please explain (300-word limit).					

3.	Critical need and outcomes (5 points) . Describe how the project addresses long-term or ongoing needs in the community, including how needs have been neglected and/or created or exacerbated by the pandemic. Describe the intended outcomes and how information will be collected to demonstrate the outcomes (300-word limit).					
4.	Population impact: (5 points) . Describe the population to be served by the project and how long the population will benefit. Note any disadvantaged or underserved population being served by the project (300-word limit).					

support the pro	nd engagement (5 point ject. Describe how this rd limit). Note: Letters list the organizations	project fosters com of support are enco	munity and organiz uraged and should I	ation collaboration	within the
Project sustain	ability (5 points) . Descr	ihe how this project	will sustain itself h	evand the County's	investment
	00-word limit).	ibe now this project	witt sustain itseti b	cyona the county s	The Country of the Co

Innovation (5 points) . Describe how the project is utilizing innovative approaches to design and/or execute the project (300-word limit).						

Budget (10 points)

1. Please complete the detailed budget table.

Committed							
Revenue Sources	Amount	(Yes/No)	Notes				
County ARPA funds:	\$						
Other grant funds:	\$						
Internal/self-funding:	\$						
Other:	\$						
Other:	\$						
Other:	\$						
TOTAL	\$						
Expenditures							
Salaries/benefits:	\$						
Operating expenses:	\$						
Materials and equipment:	\$						
Other:	\$						
Other:	\$						
Other:	\$						
TOTAL	\$						

Budget narrative (10 points) : Explain how the ARPA funding will be utilized for this project, including how studies funds will assist with leveraging other funding sources (500-word limit).						
Partial awar	d : Describe if the	e organization w	vill be able to co	mplete this proj	ect if only partia	l funding is aw

Organizational Capacity (10 points)

1.	Does your organization complete an annual audit? If so, when was the last audit completed?							
	☐ Yes	□No	Date					
2.	-		pints) : Describe your o of who will manage t					

•	Project track record (5 points) : List and explain any similar projects that demonstrate your organization's ability to successfully complete the proposed project, especially the ability to manage federal funds (300-word limit).

Certification and Acknowledgements

Certification

By submitting a funding request, the applicant certifies to the best of their knowledge:

- 1. The applicant is in compliance with applicable laws, regulations, ordinances, and orders applicable to it that could have an adverse material impact on the project. Adverse material impact includes lawsuits, criminal or civil actions, bankruptcy proceedings, regulatory action by a governmental entity, or inadequate capital to complete the project.
- 2. The applicant is not in default under the terms and conditions of any grant or loan agreements, leases, or financing arrangements with its other creditors that could have an adverse material impact on the project.
- 3. The applicant agrees to disclose, and will continue to disclose, any occurrence or event that could have an adverse material impact on the project.

Acknowledgements

- 1. The BOC has sole discretion in approving funding awards under this program. While the County intends to award a significant amount of funding under this application process, the BOC reserves the right to allocate funding for its own purposes, consistent with U.S. Treasury guidelines.
- 2. This proposal and other materials submitted to Grand Traverse County may be subject to disclosure under Michigan's Freedom of Information Act, and the County's review of such materials will be subject to Michigan's Open Meetings Act. The authorized representative may mark documents "confidential" if the documents contain proprietary information; however, the County will make the ultimate determination as to its disclosure and public deliberation obligations under Michigan law.
- 3. Organizations receiving awards will be required to execute a written contract with the County outlining terms of the project, including all compliance and reporting requirements. Applicants will be obligated to undergo risk and compliance monitoring, submit appropriate documentation to substantiate reimbursement requests, and will be subject to audit accountability standards.
- 4. ARPA requirements may be subject to change as determined by the U.S. Treasury.

Signature

Name of authorized submitter	Date	
· ·		
Signature		

Submission

Please email the completed application to Amy Lynch at alynch@publicsectorconsultants.com. You will receive an email confirmation within 24 hours if sent Monday through Friday, or 48 hours if submitted on a weekend. If you do not receive an email confirmation within that timeframe, please call Amy at 517-331-9478.

nitewater Township

Memo

To: Whitewater Township Board of Trustees

CC: None

9-29-2022 Date:

Re: Broadband in Whitewater

Board Members –

Broadband expansion is a huge topic throughout the State and probably the County. American Recovery Plan Act (ARPA) money and Infrastructure Investment and Jobs Act (IIJA) funding is being requested from various companies by the millions in the State. Rural Digital Opportunity Funds (RDOF) and Broadband Equity, Access, and Development Program (BEAD), USDA ReConnect funds and Affordable Connectivity Programs represent another almost 14 BILLION in Federal funding efforts to get broadband connectivity completed. Each one of these programs has it own set of rules on what and how funds can be used. Thinking about recent reports of fraud in other COVID period funding programs the following audit process is likely to be more robust than ever.

Currently, Whitewater Township has three requests for broadband support in some form for ARPA funds. Under APRA final rules released after our resolution 21-14, the recipients learn more about the financial responsibility they have to spend the funding in a way that can be properly accounted for during audit phase of the program. After conducting a township wide survey and a public townhall meeting focused on ARPA spending we have taken a large step towards compliance with the rules and is in a better spot to document the decisions we will make.

Due to the complex nature of the ARPA final rules and the numerous requests for ARPA funding support, I recommend a special meeting just for that purpose. Please bring your calendars.

No motion at this time pending Board scheduling of a special meeting

Respectfully submitted,

Whitewater Township FOIA Coordinator

Supervisor, Whitewater Township

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board

From: Ron Popp, Supervisor

CC: None

Date: 9.29.2022

Re: Draft Feasibility Study

Board Members -

The draft feasibility study is provided on the agenda as it may relate to some of the grant discussion, we will have on the October Agenda. With heavy subject matter of this nature, it has been the Board's wish to schedule a special meeting or work session to discuss one or two topics on a detailed level. The draft feasibility study likely falls into that category and therefore I ask Members to bring your calendars to facilitate scheduling of such a meeting.

No motion at this time pending Board Special meeting schedule.

Respectfully submitted,

Ron Popp

Supervisor, Whitewater Township



Whitewater Township Infrastructure and Building Needs - Draft Final Report

1 message

Cronk, Erik <erik.cronk@c2ae.com>

Mon, Aug 1, 2022 at 4:41 PM

To: "clerk@whitewatertownship.org" <clerk@whitewatertownship.org>, "supervisor@whitewatertownship.org" <supervisor@whitewatertownship.org>, "treasurer@whitewatertownship.org" <freesurer@whitewatertownship.org>, "firechief@whitewatertownship.org>, "manguspc@yahoo.com" <manguspc@yahoo.com>, "Jensen, Dennis" <dennis.jensen@c2ae.com>, "Makarewicz, Kevin" <kevin.makarewicz@c2ae.com>, "Minster, James" <james.minster@c2ae.com>, "Jantz, Michael" <michael.jantz@c2ae.com>

ΑII,

Please see attached for a draft version of the final water and building feasibility study. This is for your review and comments. Please send me any questions or comments you may have and we will make sure they are addressed in the final report.

After addressing your review comments, I would like to setup a meeting to present the final report.

Let me know if you have any questions or concerns. Thank you.

Erik Cronk, PLA, LEED AP

Project Manager

C2AE

architecture | engineering

123 W Main St #200, Gaylord, MI 49735

O: (989) 732-8131

C: (616) 304-0652

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Feasibility Study

Township Facilities and Water Supply Whitewater Township

August 1, 2022



123 W. Main St. Suite 200 Gaylord, MI 49735



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APPENDIX A

Fire Station Preliminary Programming

Administrative Office Preliminary Programming

Hypothetical Site Plan

APPENDIX B

Water Storage Volume Calculations
Water Well and Pump Records
Overall Map



EXECUTIVE SUMMARY

Whitewater Township has performed a Township infrastructure and facility needs planning analysis including, but not limited to visioning, needs identification, infrastructure and facility conditional assessment, space and programing needs assessment, and specified asset feasibility analysis. In simpler terms, "what do we have", "what do we need", and begin laying out "how do we get there."

The Township has experienced significant growth over the last several decades and anticipates this growth to continue. With growth is the need to address critical infrastructure and physical facilities to support the needs of community residences and businesses. Presently Township assets include; a township hall, a fire department, local roads, and numerous parks, trails, outdoor spaces and ancillary equipment. The purpose of this study is to: understand and document the vision of Whitewater Township; identify community needs; and address specific requested asset needs.

The planning process for community infrastructure and facilities needs analysis followed a nine step process of: visioning; needs identification (programming); design workshop (analysis); concept creation; schematic design; technical development; final design; final review; and final documents. To meet the Township's request C2AE addressed the visioning and the needs identifications to facilitate an understanding of the "big picture" to help with all future planning and capital improvement endeavors. Additionally, to address more urgent community needs for water services and facility space, C2AE has developed a preliminary Township building programming and water system design.

The Township desired a sound, actionable, and fiscally responsible plan that supports Township residents and businesses with safe, reliable water for drinking and safety. The focus of this initial plan is limited to properties presently zoned industrial. However, design consideration was given to supporting future commercial, industrial and high density residential growth in both Whitewater Township and the far eastern end of Acme Township along the M-72 corridor from Bates Road to the west to Cook/Broomhead Roads to the east. Potential well field, storage and treatment needs were based on existing data and are preliminary in nature to assist in estimating potential capital costs.

The Township also was interested in a facility space analysis of their existing township hall and public safety facility. The Township desired a facilities plan that supports current government organization operating in these two specified buildings. The analysis focused on the preservation and potential redevelopment and/or readapting of current facilities, as well as the identification of and/or planning for new facilities to establish a framework for the anticipated Township needs.



TOWNSHIP FACILITIES PLANNING

Township Offices – 5777 Vinton Road

The current township office building was constructed in the late 19th century (1889) as a township office and is still in use today. It was expanded in the early 21st century with a small addition at the rear (west side) of the building for two private offices, a single occupancy ADA restroom, and mechanical room. The building is approximately 2400 sq. ft. and has been well maintained, however, has several physical challenges, such as its *size* (too small for staff needs and growth, proper storage, public hearings and voting, and social distancing (COVID)), *poor heating & cooling systems* (electric heating in ceiling/cooling with window units), and *age/construction* (requires routine maintenance, drafty windows, and old wood constructions viability for expansion and modification). The current building houses the Council Chambers/Meeting Room, Clerks Office (2 work stations), Clerk's storage (ballot, voting equipment, clerk records, etc.), single occupancy ADA Restroom, Treasurer's Office (shared with assessor & building inspector) with file storage, small Supervisors Office, and small Mechanical Room.

Programmatically the facility needs to potentially triple in size which would compromise the historic character and charm of the original structure. Also not ideal is the expansion of an old wood structure, though appears in good condition, with a wood framed addition to which we would recommend adding a fire suppression system (water) throughout. Increasing the current floor area by more than double would require the existing historic structure to be updated physically to all current building and life safety codes. Another important consideration is its current location in a residential neighborhood and whether relocation to a more 'civic' minded site would be best for the future of the townships growth and development.

The facility is serviced by an on-site water well, sewage drainage field, and single phase electrical power from Vinton Street. There is a natural gas utility line in Vinton Street, but the building is not 'hooked-up' at this time. The property is approximately 1.5 acres on the west side of Vinton Road. The parking lot is paved with HMA (blacktop) and has parking for 20+/- vehicles. There is no storm water collection system, so rain water sheet drains to the rear yard area. There are 3 large recycling bins along the west end of the parking lot.

The north 'half' of the property is vacant and could allow for a sizable building addition (triple current size) and an additional 20+/- parking spaces. This would maximize the site development with 75% to 80% lot coverage, but not allow for an open-air storm water detention basin, thereby mandating underground storage (more costly than 'open-air' basin storage). The expanded facility would require municipal water and sewer unless additional property was purchased to allow for the required setbacks/distancing, for a new water well and drain field areas.



Interviews with township staff has indicated a need for approximately 7700 sq. ft. for a new township administrative office building. It was also suggested that a separate 1200 sq. ft. (30 x 40') Maintenance Building should be included in planning. The new township administrative office building is roughly 3 sq. ft./capita which is well within the norm of new facility design practices and planning allowing for future growth along with the population. Population projections show Whitewater Township growing to roughly 3000 residents by 2040 (18 years) which seems somewhat conservative compared to the growth and development of nearby Traverse City/Acme areas and the village of Kalkaska along the M72 corridor.

Township staff also suggested the desire to combine the proposed new township office facility with the new fire station to potentially share some administrative functions, meeting area, and utilities. A single shared site would reduce the acreage and infrastructure needed for two separate sites further reducing the funding burden to township residents. It is C2AE's recommendation to build a new township office facility in a commercial district, potentially in combination with the new fire department, and repurpose the current building into a Community Center for smaller gatherings/activities that are more appropriate for the surrounding residential neighborhood. A site size of 2.5 to 3.0 net usable acres is ideal for the new building of 7700 sq. ft. and parking for 35 cars, plus area for future expansion of 50% of gross floor area (3900 sq. ft.) and parking (15 spaces) and allow for open–air storm water retention and reasonable green space.

Township Fire Station #3 – 8380 Old M-72 Hwy

The Whitewater Township Fire Department Station #3 is nearing 48 years of age and has a total of 5000 sq. ft. and not nearly big enough to hold the current fire vehicles, equipment, and amenities needed for a modern fire department. The original structure is a 40′ x 80′ wood post frame structure ('pole-barn') that was expanded with an 1800 sq. ft. wood frame addition in 2017 across the back of the original structure (80′). The west end (20′ +/-) of the fire station was remodeled the same time of the addition construction into a new Chief's Office, work/reports area with a restroom, kitchen, and dining area. The Apparatus Bay has four (4) 10′w x 12′h OVD's with power operators and houses the support equipment and general storage is along the back wall. The trucks are parked tight to the OVD doors to allow as much space behind for circulation and the support equipment, which is still dangerously tight. Gear lockers it kept on along the east wall with minimal space to access between them and the pumper/tanker truck. The trucks have to be backed in which is dangerous to firefighters present in the apparatus bay. There is no room for adequate support equipment storage necessary for a modern fire department to operate effectively. The west portion (20′ +/-) of 2017 addition contains the Day Room and 2 bedrooms. The east 60′ steps down into a Fitness Room (~20′ x 20′) with access to the heated garage for the smaller rescue equipment (boat/trailer, snowmobile/trailer, ATV/trailer, etc.).



The site is located along old M-72 (south side) within the former village of Williamsburg adjacent to the Williamsburg Cedar Rapids Cemetery to the east and the USPS service building to the west across a narrow driveway. A cellular phone tower is located immediately south of the fire station. There is a narrow gravel drive along the cemetery fence that allows access to the garage door (OHD) of the 2017 addition equipment storage garage. There are 3 parking spaces (FD staff & public) along the front of the building west of the apparatus bay doors with several more in the back. The building is served with municipal water and gas. There is a drainage field at the rear of the property adjacent to the cell tower enclosure. Electrical power available is single phase.

The front (north) of the fire station is only 20' south of the old M-72 R.O.W. (66') and trucks parked outside are just barely off the road. The site is ~120' wide by ~160' deep (0.44 acres) including the 50' x 50' area for the cell tower & perimeter fence. The small land-locked site cannot support any additional building expansion as it currently exceeds the allowable lot coverage criteria and is dangerously close to Old M-72 traffic.

Programming determined the need to effectively quadruple the size of the current fire station from 5000 sq. ft. to 19,300 sq. ft. It should be noted that the space needed to accommodate the station as it operates today should be at least 8000 sq. ft. using modern best practices fire station design guidelines. The current size of 5000 sq. ft. is woefully inadequate and the fire fighters are to be commended for working in such a cramped, i.e. unsafe, facility. EMS support, equipment, and staff areas are included in the programming and account for 3000 sq. ft. of the total floor area.

The site size required for a new Fire/EMS Facility of 19,300 sq. ft. (plus 50% future expansion of 9700 sq. ft.), 40 parking spaces (plus 50% increase of 20 spaces), adequate apparatus maneuverability and outdoor parking/display, open-air storm water detention basin(s), and reasonable green space should be in the range of 5.0 – 5.5 net acres (not including R.O.W.'s or any restrictive easements).

New Site Requirements

A combined facility of Township Offices (11,600 sq. ft. and 45 parking spaces with 50% future expansion); Fire/EMS Facility (29,000 sq. ft. and 60 parking spaces with 50% future expansion); and new Maintenance Building (2400 sq. ft. with 100% future expansion) would require a new site to support a total of 43,000 sq. ft. of building and 110 parking spaces, along with the other considerations/zoning requirements mentioned above. A site of 7.5 to 8.5 net usable acres with a depth of no less than 500′ (i.e. 660′ to 800′ long x 500′ deep) would be adequate to support such a development.



Initial development will consist of the Township Administration Office (7700 sq. ft. with 30 parking spaces), the Maintenance building (1200 sq. ft. with 5 parking spaces), and the Fire Station (19,300 sq. ft. with 40 parking spaces) for a total of 28,200 sq. ft. with 75 parking spaces.

Budget Costs

New administrative office project costs range from \$500/sq. ft. to \$550/sq. ft. for good quality construction materials and systems. The new maintenance building project costs range from \$200/sq. ft. for a heated wood pole-frame structure to \$250/sq. ft. for a PEMB structure. New fire station project costs in this region, post pandemic, range from \$375/sq. ft. for simple PEMB (Pre Engineered Metal Building) to \$425/sq. ft. for conventional construction with higher quality materials and systems. These are "all-in" costs which include FF&E, project contingencies, out-of-pocket owner costs (insurances, permits, approvals, testing, commissioning, geo-tech, site survey, etc.), and professional fees. Therefore, the project budget will range from \$10.5M to \$12.0M not including site purchase costs, inflationary cost increases, required off-site utility extensions, or required roadway improvements.



WATER SUPPLY FEASIBILITY

Part of a community's vitality is the stability of its commercial and industrial base. The foundation of economic development and growth is based on retention, expansion and attraction. When it comes to commercial and industrial business leaders and decision makers often the availability of public infrastructure such as drinking water, sanitary sewer, and transportation network loom large in site selection and growth.

It is the Township's desire to develop a sound, actionable, and fiscally responsible plan that supports Township residents and businesses with safe, reliable water for drinking and safety. The focus of this initial plan is limited to properties presently zoned industrial. However, consideration is given to supporting future commercial, industrial and high density residential growth in both Whitewater Township and the far eastern end of Acme Township along the M-72 corridor from Bates Road to the west to Cook/Broomhead Roads to the east. It is our understanding that initially the water system would be comprised of approximately 250 connections with an additional 1,200 connections in the future for a total of 1,450 users. Additionally, the township would like firefighting capabilities.

Any public water system is generally comprised of three main elements; supply, storage and distribution. Water supply and storage are interdependent as the storage volume necessary is somewhat dictated by the supply rate. The distribution system is typically driven by demand rate and fire flow requirements.

Supply

There are limited options for water supply consisting of the following:

- 1. Township development of their own ground water supply via wells and potential treatment.
- 2. Establishing an agreement to purchase water from an existing water system

Groundwater Wells

The availability of groundwater will dictate what firm capacity can be provided and whether or not fire protection can be provided directly from wells or if elevated storage is necessary to meet fire demand. For purposes of this feasibility study, it is assumed that a firm capacity of 200 to 500 gallons per minute (GPM) is the target for the proposed well field. As part of this study, area water well records and geologic information have been reviewed to assess the potential for developing water wells capable of yielding 200 - 500 GPM on property owned by the Whitewater Township. Two township-owned parcels were considered: 1) the park property located on the north side of M-72 and west of Elk Lake Road; and 2) an approximate 11-acre vacant parcel located on the east side of Elk Lake Road, south of Clam Road. Based on the dimensions of the park property, it does not appear that developing a well field there allows maintaining the



State-required 200-foot isolation distances to property lines. Consequently, the park is not being considered for developing the well field. The 11-acre parcel has sufficient room to develop a two or three-well field to supply the township.

According to the Michigan Department of Environment, Great Lakes and Energy (EGLE) GeoWebFace web site, the glacial geology of the area around Williamsburg consists of end moraines of coarse textured glacial till. These deposits are described as gray to grayish brown or reddish brown non-sorted glacial debris. The matrix is dominantly sandy clay loam to silt loam texture, with variable amounts of cobbles and boulders. Locally the deposits resemble outwash except for sporadic occurrence of non-sorted clayey or silty lenses and lack of stratification, with varying amounts of cobbles and boulders. These occur in narrow linear belts of hummocky relief marking former stillstands of ice-contact margin. The deposit may include small areas of ground moraine as well as glacial outwash. Glacial deposits in the northern part of the township are shown as being coarse textured glacial till, which have similar matrix as the end moraines but lack the hummocky relief. Glacial outwash and post-glacial alluvium are shown being present in the southern part of the township.

Review of area water well records indicate that the glacial deposits are comprised of interbedded sand, gravel, and clay. Residential wells are generally completed at depths between 90 and 120 feet. The water well at Turtle Creek Casino is completed at 313 feet and is screened within a sand deposit that is present from 280 to 313 feet. A Type II well (also listed as an irrigation well on the well record) at High Point Development (5500 Bates Road) is completed at a depth of 234 feet and encountered sand from 120 to 234 feet. An irrigation well located at 7464 Crisp Road is completed at a depth of 223 feet and encountered sand from 203 to 223 feet. Static water levels vary from less than 10 feet to more than 50 feet below grade and are dependent on the elevation of the property and which aquifer is tapped by the well. Water level in the well at the Whitewater Township ball park was 21 feet below grade when completed. Copies of the well records can be found in the Appendix B

The water well records reviewed show that the glacial geology is highly variable throughout the area. There are significant thicknesses of aquifer material present in several wells in the area. The well at the casino tested at 380 GPM, the well at 5500 Bates Road tested at 300 GPM, and the Crisp Road well tested at 100 GPM. This information suggests that there is a reasonable expectation that a 200+/- GPM and possibly up to 500 GPM well can be developed. It will be necessary to drill a test hole at the proposed well field location to make the final determination if adequate aquifer material is present to supply the Township's needs. In general, the process for establishing a groundwater supply consists of the following:



- 1. Drill test holes at each proposed production well site for collection of formation samples for design of the well screens and filter pack.
- 2. Drill a test well and pump at a rate equal to 150% of the desired well capacity for an aquifer test.
- 3. Collect water samples for testing
- 4. Complete a hydrogeological report for the well field including field data, maps, geology cross sections, maximum yield, pumping levels and potential interference with other area water users
- 5. While not required by regulations it is highly recommended that a Wellhead Protection Plan be developed for the well field.

Purchase Water from an Existing System

The only system in the vicinity which offers an opportunity to purchase water is the one developed by the Grand Traverse Band of Ottawa and Chippewa Indians. The casino has a Type I water supply that is equipped to provide 300 GPM to the Turtle Creek Casino & Hotel and some other nearby areas. The production well (and it is assumed that there is a backup well of equal capacity) is equipped to pump 300 GPM. The well was tested after completion at a rate of 380 GPM for eight hours with the resulting pumping level recorded at 194 feet. The well screen installed in that well has an estimated transmitting capacity of 500 GPM. In order for the township to use this water supply, it would be necessary for the township to demonstrate to EGLE that the water supply meets the requirements for a municipal supply (even though that may not be required for wells on tribal lands). The first requirement would be to run an EGLE-acceptable aquifer test (minimum of 24-hour pumping period with 8 hours of pre-test data and 8 hours of recovery data. If the aquifer test data proved that the wells were capable of yielding the total desired volume of water, the wells at the casino would have to be reconfigured to supply the increased demand.

Using the specific capacity of the casino well (2.69 GPM per foot of drawdown), the well at the casino has a theoretical maximum capacity of 600+ GPM, however, the actual maximum capacity would be limited to the well screen transmitting capacity, which is 500 GPM. We do not know the casino's actual usage rate, but would assume they equipped their wells to supply the needed demands. Additional work needs to be done to assess the casino's actual usage, but it would appear, at a minimum, the wells would have to be tested at the combined rate for the casino and township to meet EGLE requirements, and new pumps capable of the increased pumping rate would be required. Obviously, connection to the casino system will require an agreement between the Township and the tribe. We recommend discussing the option with EGLE early on to determine their specific requirements.



Water Storage

Water storage facilities are integral to a public water supply system and provide the following contributions:

- 1. Provide positive pressure for the water system.
- 2. Provide the water needed when demand exceeds the supply capacity (e.g. peak hour usage)
- 3. Provide water for fire fighting
- 4. Emergency volume to maintain positive water pressure in the event of an emergency (e.g. water main break)

In order to provide and maintain positive water pressure the tank will need to be located at an elevation higher than the system distribution. This can be accomplished via terrain relief or be constructed as an elevated tank on a pedestal. For the Whitewater Township system we'll assume a supply capacity of 250 GPM. As the actual user types are not fully established we've assumed 1.3 Residential Equivalent Users (REU) per connection and a water use of 250 gallons per day (GPD) per REU. This results in an average day demand of 81,250 GPD or approximately 60 GPM. Applying a peaking factor of 4, we arrive at a peak hour use of 240. With a supply rate of 250 GPM the supply would be capable of meeting peak hour demands under the initial conditions.

With peak hour demands being met by supply, the initial required storage volume will be what is needed to maintain positive pressure and fire flows. Typical fire flows for these types of systems is 2,500 GPM for a period of two hours to fight a fire. Therefore, the volume of water needed for firefighting purposes is 300,000 gallons. For the initial conditions the storage facility volume required is 300,000 gallons.

In the future buildout of 1,450 connections the peak hour demand rises to 1,300 GPM. This value exceeds the supply available and therefore the storage facility will need to supplement the supply during peak hour demands and have capacity for firefighting. Using the fire flow rate of 2,500 GPM, the peak demand rate of 1,300 GPM and an emergency volume of 30,000 gallons the total system water storage needs rises to approximately 585,000 gallons. Therefore, at full buildout in the future an additional water storage tank with a volume of at least 300,000 will be needed.



Distribution

According to Ten States Standards, the minimum water main size for systems providing fire protection is six inches. However, the headloss (i.e. pressure drop) in a 6-inch water main during fire flows of 2,500 GPM is approximately 15 pounds per square inch (psi) per 100 feet of length. This level of pressure drop is too high to provide any reasonable fire flows. In comparison, the headloss in a 12-inch water main is approximately ½ psi and is the reason that most modern water systems utilize a minimum 12-inch water main for transmission with smaller mains, typically 8-inch, as it enters smaller areas like subdivisions etc. In commercial and industrial areas, the smallest main is typically 12-inch. For the Whitewater system, 12-inch mains are used for the initial phase as it will be supplying primarily commercial and industrial users. Future expansion areas may be reduced to 8- inch depending on user type and demands.

Cost Estimate

Preparer: C2AE Date: July 2022

Date:	Date: July 2022								
Item	Description	Unit	Qty.	Unit Cost		Total			
	Wate	er Syster	n Upgrades						
1	12" Dia, DIP Water Main	LFT	29,000	\$	70	\$	2,030,000		
2	12" Dia, Gate Valve	EACH	39	\$	2,800	\$	109,200		
3	1" Diameter Tapping Saddle & Corporate Stop	EACH	250	\$	500	\$	125,000		
4	1" Diameter Type K Service Lead	LFT	4,493	\$	30	\$	134,790		
5	1" Diameter Curb Stop & Box	EACH	123	\$	500	\$	61,500		
6	Hydrant Assembly	EACH	49	\$	4,300	\$	210,700		
7	Well	EACH	2	\$	170,000	\$	340,000		
8	300,000 Gal. Elevated Storage Tank	EACH	1	\$	2,400,000	\$	2,400,000		
				Sub	ototal	\$	5,411,190		
	Additional Costs			Contingency		\$	1,352,798		
	Additional Costs			Legal Engineering		\$	270,560		
						\$	1,014,598		
				Tot	al	\$	8,049,145		

APPENDIX A





	Space Name	Size (SF)	Qty	Subtotal	Adjacency	Notes
1	Vestibule/Lobby	200	1	200	Parking	Waiting area for 3-4
	Public Restrooms	150	2		Conf./Training	2 Lavs, 2 W.C.'s each
3	Training/Jt.Task Force Rm	800	1	800	Lobby/RR's	25 at tables & chairs, Emergency Shelter, multi-purpose
	Table/Chair/Equip. Storage	300	1	250	Training Rm.	CPR mannequin/equip.
	Janitor Closet	50	2		Vest./App. Bay	1 Public side/1 FF side
6	Administrative Asst./Recept.	100	1		Vestibule	
	Offices	150	5	750	Vestibule	Chief, EMS Dir., Fire Marshall, Central Emer. Office.
						w/library, Study/Future Office
8	Work/Supplies Room	150	1	150	Study, Offices	paper storage, MFP
9	Conference room	200	1	200	Offices	6 - 10 people
10	File Room	150	1	150	Offices	1+ 2 + 1, 12 lateral files
11	Staff Restroom	75	1	75	Offices	
12	Kitchen	150	1	150	Day Rm/Dining	commercial quality w/island
13	Pantry	50	1		Kitchen	
	Dining area	150	1	150	Kitchen/Day Rm	8 people
	Patio - outdoor	150	1	0	Day Rm/Dining	outdoor dining
	Day Room	250	1		Dining/Dorm	6 recliners, TV
	Dorms	125	4	500	Day/Apparatus	bed, desk, three wardrobes for shifts
18	Shower Rooms	100	2		Dorms/Fitness	changing plus unisex shower
19	Fitness	800	1	800	Dorms	12 pieces
20	Aux. Lockers	100	1	100	Dorms/Fitness	
21	Apparatus Bay (Fire)	1,620	4	6,480		pull thru, two deep, utilities, exhaust capture, 90' L.
	Apparatus Bay (EMS)	540	2	1,080		pull thru two deep, 60' L., or side by side
	Reporting	100	1	100	Apparatus Bay	2 people at counters/pc's (alcove fine)
	Dispatch	100	1		Reporting	Combine w/Reporting OK
	EMS Storage	150	1		EMS Bay	comsumables
	Workshop (fire)	150	1	150	Apparatus Bay	tools, bench, air compressor
27	Decon	100	1		Apparatus bay	Eyewash station
28	Gear Storage	150	1		Apparatus Bay	mezzanine, 28 sets
29	Fire Storage	200	1	200	Apparatus Bay	consumables
30	Hose Storage	150	1	150	Apparatus Bay	good ventilation, (50) 50' segments, (5) 100' of 5"
	SCBA	100	2		Apparatus Bay	near outside, room for future breathing air cascade system,
						also compressor for oxygen
32	Gear Wash	100	1	100	Apparatus bay	gear and laundry (commercial W/D)
33	Turnout gear lockers	200	1		Apparatus bay	20 lockers full and part time
34	MDF	50	1	50	Office Area	
35	Mechanical	150	1	150		water heater/boilesr/water softener(?)
36	Electrical	150	1	150		
37	FP Riser	50	1	50	Mechanical	sprinkle building
$\overline{}$	General Storage	400	1	400	Everywhere	Office area, Day room, Dorms, App bays (mezzanine?)
	Outdoor Equip. Storage	150	1		Apparatus bay	lawn equipment
	Net Total				Square Feet	
	25% Net to Gross				Square Feet	
	Grand Total				Square Feet	
	Assume a program area of ~:	 19.300 sauare	feet			
			,			
	Site					
	Common site with new Town	ship Offices (s	eparate	E FF/EMS to	ruck circualtion fr	rom Township office/public)
	Site needs to be large enough					F
	FF, EMS, Public, Training/Con				,.	
	, -,,		۵۰٫۰۰		l	I .

Notes

See Township Office Program for additional site details

C2AE Project # 21-0417 1/25/2022



	Space Name	Size (SF)	Qty	Subtotal	Adjacency	Notes
1	Vestibule	100	1	100	Parking Lot	Front (Public) Entry Air lock
2	Utility/Janitor Room	100	1	100	Vestibule	Jan. sink, front door maintenance equip/supplies
3	Lobby/Waiting	200	1	200	Vest/Council	4-6 seating w/Security Doors (elec. locks)
4	Public Restrooms	150	2	300	Lobby/Council	2 Lavs/2 W.C.'s each
5	Council/Comm./M.P. Room	1,000	1	1,000	Restrooms	Bench (8 seats), public seating for 50, 16 voting stations
6	Reception/Service Counter	100	1	100	Offices/Lobby	Roll up shutter or glass for security (future receptionist)
7	Open Office	125	6	750	Recept/Offices	Centrally located to private offices: Deputy Clerk & Asst.;
						Building Insp./ Assessor; Future work stations (2)
8	Offices	200	4	800	Open Offices	Supervisor, Clerk, Treasurer/Dep. Treas., Future/Swing
						(Public Works) w/ quick access File Storage in each office
9	Small Staff Conference Rm	125	1	125	Office area	4 - 6 people
10	Work/Supplies Room	200	1	200	Office area	Office Supplies, MFP, coffee (w/sink)
11	Conference/AVCB room	300	1	300	Office area	10 - 12 people/AVCB equipment (w/restroom?)
12	MDF	100	1	100	Office area	
13	Mechanical	150	1	150		water heater/boiler/water softener(?)
14	Electrical Service & Panels	100	1	100		
15	File/Vault/Records Room	300	1	300	Clerks Office	Accessed thru Clerks Office for security, incl. election pole
						equip. & ballot records
16	File/Vault/Records Room	150	1	150	Treas. Office	Accessed thru Treasurer Office for security
17	General Storage	300	1	300	Mech/Elec Rms	
18	Staff Break Room	200	1		Office area	Kitchenette & tables for 4-6
19	Table & Chair Storage	200	1	200	Council Room	
	Assessor/Bldg. Insp. Stor.	100	1		Open Offices	Flat Files for blue prints & File Cabinets
21	Staff Restroom	75	1		Office area	Single Occupancy
	Net Total				Square Feet	
	35% Net to Gross			1,978	Square Feet	
	Grand Total			7,628	Square Feet	
	Assume a program area of 7,	700 square fe	et			
	Site					
	Ammenities					Bike rack, picnic benches, recycling, drop boxes, etc.
	Twp. Maintenance Building	1200	1	1,200		Future (in Current Fire Barn Addn., or New 30'x40'?)
	Utilities Available					Power, sanitary, water, gas, B-U Generator
	Refuse Enclosure					For waste bins
	Storm Water Detention					On-site basin (underground if site limited)
	Parking					Staff, visitors, public, council/community room (25 cars)

Notes

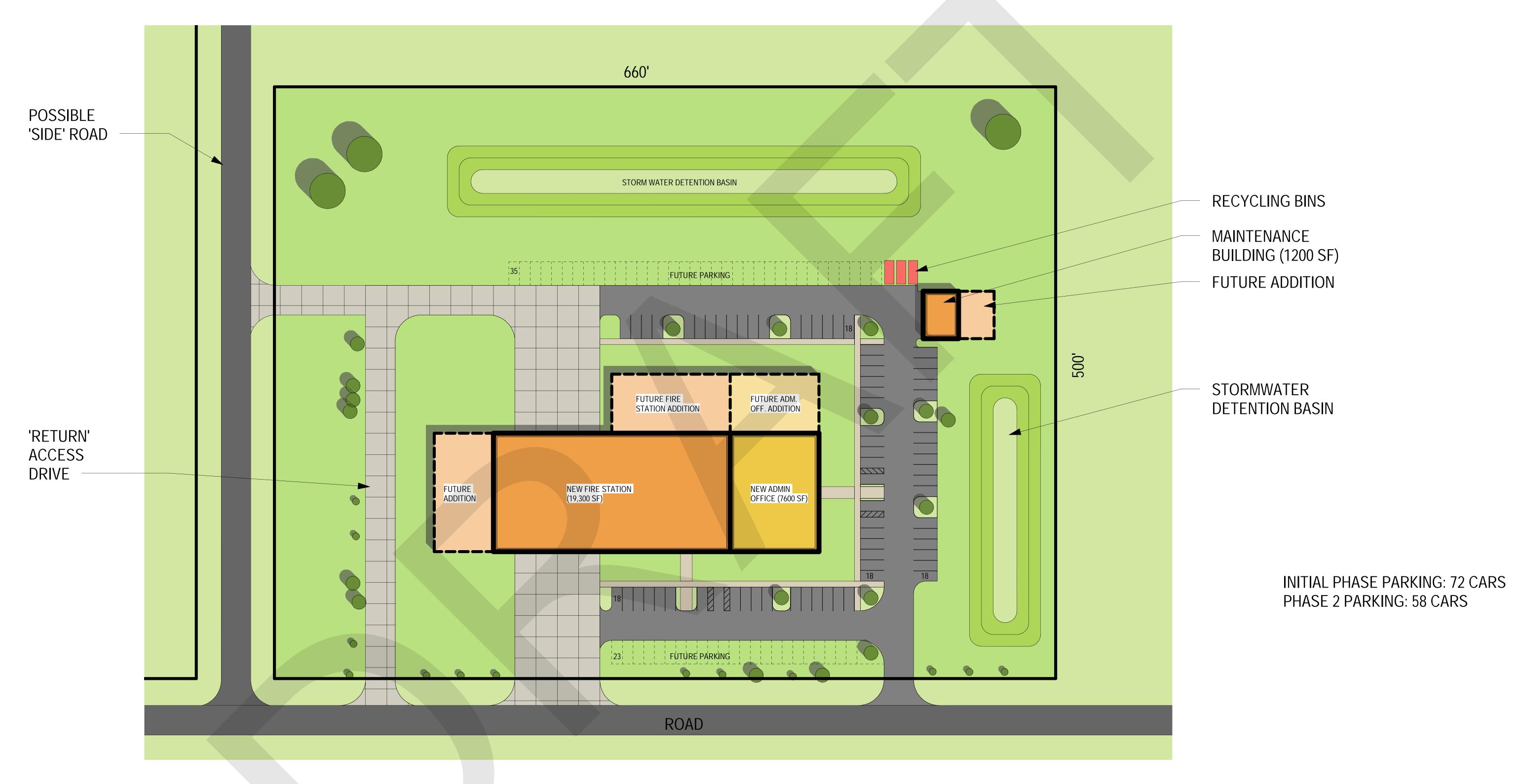
Limit public access to Lobby, Council/Community/Multi-Purpose Room & Public Restrooms Potential Emergency Shelter in Coucil/Community/Multi-Purpose Room?

Combined with new Fire Station?

Plan for future expansion of both uses

Repurpose current Twp. Office and Fire Station buildings

C2AE Project # 21-0417 2/3/2022





APPENDIX B





Whitewater Township Emergency Services Authority Water Storage Volume Calculation

IIIIII CONGINITION	Initia	Condition:
--------------------	--------	------------

No. Connections	250
REU/Connection	1.3
Total REU	325
Flow per REU (GPD)	250
Average Day Demand (GPD)	81,250
Peak Hr Demand (gpm)	226
Well Supply Firm Capacity (gpm)	250
Fire Flow Req'd (gpm)	2,500
Duration (hrs)	2.0
Volume (gallons)	300,000.0
Well Qty Available at Peak Hour (gpm)	24
Well Volume Available for Fire Flow (gal)	2,917
Recommend 300,000 gallon storage	

Future Conditions:

i didi o odilarilonor	
No. Connections	1,450
REU/Connection	1.3 Estimated
Total REU	1,885
Flow per REU (GPD)	250 Estimated
Average Day Demand (GPD)	471,250
Peak Hour Demand (gpm)	1,309 Peaking Factor of 4
Well Supply Firm Capacity (gpm)	250 Ed's notes
Peak Hour supply Needed from Tank (gal)	254,167

Peak Hour supply Needed from Tank (gal) 254,167
Fire Flow Demand 300,000
Emergency Demand 30,000
Total Storage Required (gal) 584,167

Recommend a second tank at least 300,000 gallons

C2AE Project #21-0417 7/26/2022





Completion is required under authority of Part 127 Act 368 PA 1978. Failure to comply is a misdemeanor.

Toy No. 024 I03	County: Ores	d Trovers	T	Taumahin	\\/hitax:=t==	
Tax No: 03AJ03 Permit No:	County: Grand Town/Range:	Section:	Well Status:	Township: WSSN:		e ID/Well No:
W II ID 00000040000	28N 09W	32	Active	W 33 N.	Journe	#1
Well ID: 28000010339	Distance and I	_		section:		" 1
	2340 FEET NO				NOLD RD	
Elevation:						
Latitude: 44.77305321	Well Owner:	GTB EDC				
Longitude: -85.43221851	Well Address:			Owner Addre	ess:	
Method of Collection: Interpolation-Map	M-72	DO 141			H WEST BA	YSHORE
metriod of Collection. Interpolation-iviap	WILLIAMSBU	RG, MI		DRIVE		
Drilling Method: Rotary	Pump Ins	talled: Ye	s	Pump Ins	tallation Onl	y: No
Well Depth: 330.00 ft. Well Use: Type I public	Pump Ins	tallation Dat	e:	HP: 30.00)	
Well Type: New Date Completed: 2/20/2003	Manufact	urer : Grur	dfos	Pump Typ	e: Submer	sible
Casing Type:Steel - unknownHeight:2.00 ft. above grade	Model Nu	mber: A14	B60008	Pump Cap	pacity: 300	GPM
Casing Joint: Welded		Length:	189.00 ft.	Pump Vol	_	
Casing Fitting: None		Diameter:		Drilling R	ecord ID:	
-1		vn Seal Used				
Diameter: 12.00 in. to 293.00 ft. depth	1	Tank Install		N1 -		
	Pressure	Relief Valve	installed:	No		
Parahalas 24.00 in to 204.00 ft donth						
Borehole: 21.00 in. to 291.00 ft. depth						
Static Water Level: 53.00 ft. Below Grade		Farmatia	n Decembrien		Thielmoon	Depth to
Well Yield Test: Yield Test Method: Test pum	np	Formatio	n Description		Thickness	Bottom
Pumping level 194.21 ft. after 8.00 hrs. at 380 GPM	Sand & CI				220.00	220.00
	Clay & Sa				47.00	267.00
	Gray Clay				8.00	275.00
Screen Installed: Yes Filter Packed: Yes	Sand				1.00	276.00
Screen Diameter: 12.00 in. Blank:	Clay				4.00	280.00
Screen Material Type: Stainless steel-wire wrapped	Sand				34.00	314.00
Screen Installation Type: Attached Slot Length Set Between	Clay				1.00	315.00
3	Sand	h.			4.00 5.00	319.00 324.00
30.00 20.00 ft. 293.00 ft. and 313.00 ft.	Clay Sand	ıy			6.00	330.00
	Clay				0.00	330.00
Fittings: None						
Titaligo. Hono						
Well Grouted: Yes Grouting Method: Unknown	Geology I	Remarks:				
Grouting Material Bags Additives Depth						
Neat cement 0.00 None 0.00 ft. to 283.00	ft.					
Wellhead Completion: Other	<u> </u>			0.551.		
Negroot Source of Resoir la Contemination		-	rator Name:	C FELL		
Nearest Source of Possible Contamination: Type Distance Direction	Employm	ent: Employ	yee			
Septic tank 1760 ft. East	Contractor Type: Water Well Drilling Contractor Reg No: 33-1686					
			RT WELL DRL		Neg No.	00-1000
		Address:	WELL DIVE	.00		
			Well Contra	actor's Ce	rtification	
	This well v		der my superv			to the best of
		edge and beli				.5 50000
	Signature	of Register	ed Contractor		Date	
General Remarks: OWNER OF WELL: TURTLE CREEK CASINO; EM						
Other Remarks: Wellhead Completion:2 FEET ABOVE GRADE						
EQP-2017 (4/2010) Page 1 of 1			Ş	State of Michic	nan 5/2	/2003 8:44 A

EQP-2017 (4/2010) Page 1 of 1 State of Michigan 5/2/2003 8:44 AM





Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.

Tax No:	Permit No:	County: Grand	d Traverse	•	Township:	Whitewater	
		Town/Range:	Section:	Well Status:	WSSN:		D/Well No:
Well ID: 28000	0002667	27N 09W	4	Active	2034	128	001
77611 1D. 2000	0002007	Distance and D	Direction fro	m Road Inters	ection:		
Elevation: 761.15 ft.							
Latitude: 44.7699338593	Well Owner: (2DAND TDA	VEDSE DI VS.	TICS			
		Well Address:	JINNU IINA		Owner Addr	P88.	
Longitude: -85.4132828628		5780 MOORE	RD		5780 MOO		
Method of Collection: GPS D	Differential (DGPS)	WILLIAMSBU		0		BURG, MI 496	890
		, 					
Drilling Method: Rotary Well Depth: 110.00 ft.	Well Heer. Type II public	Pump Inst			Pump Ins	tallation Onl	y: No
•	Well Use: Type II public Date Completed: 3/28/1995		allation Dat			pe: Submer	siblo
Casing Type: PVC plastic	Height:		mber: S2J	•		pacity: 26 C	
Casing Joint: Threaded & coupled			Length: 8	-	Pump Vo		21 101
Casing Fitting: None			Diameter:		-	ecord ID:	
3 4 3			n Seal Used	l: No	•		
Diameter: 5.00 in. to 105.00 ft. dep	oth	Pressure 7	Tank Installe	ed: No			
		Pressure I	Relief Valve	Installed:	No		
Borehole: 7.88 in. to 110.00 ft. dep	oth						
Otatia Water Lavel 40.00 % Dala	· Ora da						
Static Water Level: 43.00 ft. Below Well Yield Test:			Formation	n Description		Thickness	Depth to Bottom
well field rest:	Yield Test Method: Unknown	Topsoil Fill				2.00	2.00
		Sand Grav				31.00	33.00
		Sand & Gra				47.00	80.00
Screen Installed: Yes	Filter Packed: No		& Clay String	iers		20.00	100.00
Corcon motanear 100	Blank: 2.00 ft. Above		avel Coarse	,		10.00	110.00
Screen Material Type: Unknown		3000					
Screen Installation Type: Unknown	wn						
Slot Length	Set Between						
20.00 5.00 ft.	105.00 ft. and 110.00 ft.						
Fittings: None							
Wall Courted Van Courtin	n Mathada - University	Coolemy) a marka.				
	g Method: Unknown	Geology R	kemarks:				
Grouting Material Bags Ad Bentonite slurry 0.00 No		ft.					
zermeninte enany enee 140	ne cios in to reciss						
Wellhead Completion: Pitless a	dapter, 12 inches above grade						
		Drilling Ma	achine Oper	ator Name:	ROBERT S	TACHNIK	
Nearest Source of Possible Conta		Employme	ent: Unknov	wn			
Туре	Distance Direction						
Septic tank	50 ft.	0.000	. T				20.0105
		Contracto Business	r Type: Unk	nown		Reg No:	28-2168
		Business					
		business		Well Contra	actoria Ca	rtification	
		This woll w		der my supervi			to the host of
			dge and beli		เอเบท สทีน เกีย	report is true	to the pest of
		,		- •			
		0:	- (D - ! :			. .	
General Remarks:		Signature	or Register	ed Contractor		Date	
Other Remarks:							
500 0045 (4/0040)							

EQP-2017 (4/2010) Page 1 of 1 LHD 2/17/2000 6:33 AM





Completion is required under authority of Part 127 Act 368 PA 1978. Failure to comply is a misdemeanor.

Toy No. 024 102	I Countrie Com	d Travers	T	Taumah !:::	\\/bita\t	
Tax No: 03AJ03 Permit No:	County: Grand Town/Range:	Section:	Well Status:	Township: WSSN:		e ID/Well No:
W IIID 00000040000	28N 09W	32	Active	WOON.	Jource	#1 #1
Well ID: 28000010339	Distance and I	_		section:		<i>II</i> 1
	2340 FEET NO				NOLD RD	
Elevation:						
Latitude: 44.77305321	Well Owner: GTB EDC					
Longitude: -85.43221851	Well Address: Owner Address:					
Method of Collection: Interpolation-Map	M-72	DO 141			TH WEST BA	YSHORE
metriod of Collection. Interpolation-Map	WILLIAMSBU	RG, MI		DRIVE		
Drilling Method: Rotary	Pump Ins	talled: Ye	s	Pump Ins	tallation Onl	y: No
Well Depth: 330.00 ft. Well Use: Type I public	Pump Ins	tallation Dat	e:	HP: 30.00)	
Well Type: New Date Completed: 2/20/2003	Manufact	urer: Grun	dfos	Pump Typ	pe: Submer	sible
Casing Type: Steel - unknown Height: 2.00 ft. above grade	Model Nu	mber: A14	B60008	Pump Ca	pacity: 300	GPM
Casing Joint: Welded		Length:	189.00 ft.	Pump Vol	_	
Casing Fitting: None		Diameter:		Drilling R	ecord ID:	
-1	-	n Seal Used				
Diameter: 12.00 in. to 293.00 ft. depth	1	Tank Install				
	Pressure	Relief Valve	Installed:	No		
Barrahada - 04.00 ta ta 004.00 ft dandh						
Borehole: 21.00 in. to 291.00 ft. depth						
Static Water Level: 53.00 ft. Below Grade						Depth to
Well Yield Test: Yield Test Method: Test pum	np	Formatio	n Description		Thickness	Bottom
Pumping level 194.21 ft. after 8.00 hrs. at 380 GPM	Sand & Cl	ay			220.00	220.00
	Clay & Sa				47.00	267.00
	Gray Clay				8.00	275.00
Screen Installed: Yes Filter Packed: Yes	Sand				1.00	276.00
Screen Diameter: 12.00 in. Blank:	Clay				4.00	280.00
Screen Material Type: Stainless steel-wire wrapped	Sand				34.00	314.00
Screen Installation Type: Attached	Clay				1.00	315.00
Slot Length Set Between	Sand				4.00	319.00
30.00 20.00 ft. 293.00 ft. and 313.00 ft.	Clay Sand	У			5.00	324.00
	Clay				6.00	330.00
Elithan Mars						<u> </u>
Fittings: None						
Well Grouted: Yes Grouting Method: Unknown	Geology F	Pomarke:				l
	Geology	veillaiks.				
Grouting MaterialBagsAdditivesDepthNeat cement0.00None0.00 ft. to 283.00	ft.					
THORIC SISS IN IS 255153						
Wellhead Completion: Other						
	Drilling M	achine Oper	ator Name:	C FELL		
Nearest Source of Possible Contamination:	Employm	ent: Employ	yee			
Type Distance Direction						
Septic tank 1760 ft. East						
			ter Well Drilling		Reg No:	33-1686
			RT WELL DRL	.G CO		
	Business		M/-U 0			
	-		Well Contra			
		vas drilled un edge and beli	der my superv	ision and this	report is true	to the best o
	IIIy KIIOWIE	and bell	CI.			
					_	
Constal Powerles OWNER OF WELL TURTLE ORESINOACIUS TO			ed Contractor		Date	
General Remarks: OWNER OF WELL: TURTLE CREEK CASINO; EM Other Remarks: Wellhead Completion: 2 FEET ABOVE GRADE	IPLUTEE: K HEI	LEK				
EQP-2017 (4/2010) Page 1 of 1				State of Michie	gan E/O	2/2003 8:44 A
_\v:\-\z\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			3	nate of Michil	uanı 5/2	,, 2 003 0.44 P

EQP-2017 (4/2010) Page 1 of 1 State of Michigan 5/2/2003 8:44 AM





Completion is required under authority of Part 127 Act 368 PA 1978. Failure to comply is a misdemeanor.

T N	D	I. I A	
Tax No: Permit No:		hip: Acme SSN: Source	ID/Well No:
\\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	27N 09W 6 Active	2025228	002
Well ID: 28000002676	Distance and Direction from Road Intersection		002
	2025228, 2 IRRIGATION WELL #2 .4 MI FROM		
Elevation: 793.95 ft.			
Latitude: 44.7610542922	Well Owner: HIGHPOINT DEVELOPMENT CO		
Longitude: -85.4366254638		Address:	
Method of Collection: GPS Differential (DGPS)		BATES RD AMSBURG, MI 496	90
, ,	IVII VVIEE	7 WIODOTTO, IVII 400	
Drilling Method: Rotary	·	np Installation Only	/: No
Well Depth: 234.00 ft. Well Use: Type II public	Pump Installation Date: HP:		
Well Type: Replacement Date Completed: 9/26/1987		np Type: Unknow	
Casing Type: PVC plastic Height: 2.00 ft. above grade		np Capacity: 0 GF	ZIVI
Casing Joint: Welded Casing Fitting: None		np Voltage: ling Record ID:	
casing ritting. None	Draw Down Seal Used: No	illig Record ID.	
Diameter: 8.00 in. to 199.00 ft. depth	Pressure Tank Installed: No		
- Constant Constant Constant Constant	Pressure Relief Valve Installed: No		
Borehole: 15.00 in. to 234.00 ft. depth			
Static Water Level: 45.00 ft. Below Grade	Formation Description	Thickness	Depth to
Well Yield Test: Yield Test Method: Unknown		2.00	Bottom
Pumping level 61.00 ft. after 4.00 hrs. at 300 GPM	Sand Sand Gravel Clay	3.00 15.00	3.00 18.00
	Sand	32.00	50.00
Screen Installed: Yes Filter Packed: No	Gravel & Sand	3.00	53.00
Screen Diameter: 6.00 in. Blank: 2.00 ft. Above	Clay Gravel Sand	67.00	120.00
Screen Material Type:	Sand	114.00	234.00
Screen Installation Type: Unknown			
Slot Length Set Between			
Slot Length Set Between			
30.00 35.00 ft. 199.00 ft. and 234.00 ft.			
30.00 35.00 ft. 199.00 ft. and 234.00 ft.			
30.00 35.00 ft. 199.00 ft. and 234.00 ft.			
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer	Geology Remarks:		
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown	Geology Remarks:		
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth			
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth			
35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft.			
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft.			
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade	Drilling Machine Operator Name: ROBE	RT MILLER	
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination:		RT MILLER	
35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination: Type Distance Direction	Drilling Machine Operator Name: ROBE	RT MILLER	
35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination: Type Distance Direction	Drilling Machine Operator Name: ROBE Employment: Unknown		45-0795
Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination: Type Distance Direction Jinknown 50 ft. Northeast	Drilling Machine Operator Name: ROBE	RT MILLER Reg No: 4	45-0795
35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination: Type Distance Direction Unknown 50 ft. Northeast Abandoned Well Plugged: No	Drilling Machine Operator Name: ROBE Employment: Unknown Contractor Type: Unknown		15-0795
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination: Type Distance Direction Unknown 50 ft. Northeast Abandoned Well Plugged: No	Drilling Machine Operator Name: ROBE Employment: Unknown Contractor Type: Unknown Business Name:	Reg No: 4	15-0795
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination: Type Distance Direction Unknown 50 ft. Northeast Abandoned Well Plugged: No	Drilling Machine Operator Name: ROBE Employment: Unknown Contractor Type: Unknown Business Name: Business Address: Water Well Contractor' This well was drilled under my supervision ar	Reg No: 4	
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination: Type Distance Direction Unknown 50 ft. Northeast	Drilling Machine Operator Name: ROBE Employment: Unknown Contractor Type: Unknown Business Name: Business Address: Water Well Contractor	Reg No: 4	
30.00 35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination: Type Distance Direction Unknown 50 ft. Northeast Abandoned Well Plugged: No	Drilling Machine Operator Name: ROBE Employment: Unknown Contractor Type: Unknown Business Name: Business Address: Water Well Contractor' This well was drilled under my supervision ar	Reg No: 4	
35.00 ft. 199.00 ft. and 234.00 ft. Fittings: Neoprene packer Well Grouted: Yes Grouting Method: Unknown Grouting Material Bags Additives Depth Bentonite slurry 0.00 None 5.00 ft. to 30.00 ft Wellhead Completion: Other, 12 inches above grade Nearest Source of Possible Contamination: Type Distance Direction Unknown 50 ft. Northeast Abandoned Well Plugged: No	Drilling Machine Operator Name: ROBE Employment: Unknown Contractor Type: Unknown Business Name: Business Address: Water Well Contractor' This well was drilled under my supervision ar	Reg No: 4	

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Other Remarks: Wellhead Completion:Well Seal

Water Well And Pump Record



Completion is required under authority of Part 127 Act 368 PA 1978. Failure to comply is a misdemeanor.

ipiy is a misdem	leanor.				
			Township:		
_			WSSN:	Source	D/Well No:
		m Road Inter	section:		
Crisp Rd S of M	-72				
Well Owner: N	I Local Hop	s. LLC			
Well Address:	000	.5,	Owner Add	ress:	
7464 Crisp Rd			250 E Fron	t St Ste 402	
Williamsburg, M	11 49690		Traverse C	ity, MI 49684	
Pump Inst:	llad: Va	c	Dumn In	stallation Onl	v: No
			-		y. NO
1 .					sible
Model Num				•	
Drop Pipe	ength: 1	89.00 ft.			
			Drilling F	Record ID:	
			LQW Re	g. No : 4343	-20165-16
			bladder		
			T C		0-11
				apacity: 44.0	Gallons
Flessule R	ellel valve	installed.	165		
		_			Depth to
	Formation	n Description	·	Thickness	Bottom
Sand				10.00	10.00
Gravel					17.00
	<u>t</u>				22.00
				 	35.00
					45.00
					70.00 75.00
					173.00
					203.00
					223.00
ft.	emarks:				
Drilling Ma	chine Oper	ator Name:	Adam Ande	erson	
	-			-	
Pump Insta	ller: Bob	Dean			
			^ , ,		45-2259
Contractor				Reg No:	10 2200
Business N	lame: B&	Z Well Drilling	g Co	_	
Business N	lame: B&	. Z Well Drilling 233 E. Kassor	g Co Rd., Maple	City, MI, 4966	
Business A	lame: B & Address: 2	Z Well Drilling 233 E. Kasson Well Contr	g Co Rd., Maple actor's Ce	_	4
Business A Business A This well an	lame: B & Address: ; Water d/or pump i	Z Well Drilling 233 E. Kasson Well Contr	g Co Rd., Maple actor's Co s performed	City, MI, 49664 ertification	4
	County: Grand Town/Range: 27N 09W Distance and Di Crisp Rd S of M- Well Owner: M Well Address: 7464 Crisp Rd Williamsburg, M Pump Insta Manufactur Model Num Drop Pipe I Draw Dowr Pressure T Pressure T Manufactur Model Num Pressure R Sand Gravel Clay & Sand Clay Stones Clay Sand	County: Grand Traverse Town/Range: 27N 09W 5 Distance and Direction fro Crisp Rd S of M-72 Well Owner: MI Local Hop Well Address: 7464 Crisp Rd Williamsburg, MI 49690 Pump Installed: Ye Pump Installation Dat Manufacturer: Frant Model Number: 236 Drop Pipe Length: 1 Drop Pipe Diameter: Draw Down Seal Used Pressure Tank Installe Pressure Tank Type: Manufacturer: Well- Model Number: WR Pressure Relief Valve Formation Sand Gravel Clay & Sand Clay Stones Clay Sand	Town/Range: 27N 09W 5 Active Distance and Direction from Road Intersection Road Int	Town/Range: 27N 09W 5 Section: Active Distance and Direction from Road Intersection: Crisp Rd S of M-72 Well Owner: MI Local Hops, LLC Well Address: Owner Add 250 E Fror Traverse Computer Milliamsburg, MI 49690 Traverse Computer Model Number: 2363129020 Pump Campung Pipe Length: 189.00 ft. Pressure Tank Installed: Yes Pressure Tank Installed: Yes Pressure Tank Installed: Yes Pressure Tank Installed: Yes Pressure Relief Valve Installed: Yes Sand Clay Sand Sand Clay Sand Clay Sand Clay Sand Clay Sand Clay Sand Sand Sand Clay Sand Sand Sand Sand Sand Sand Sand Sand	Township: Whitewater Town/Range: 27N 09W Section: Active Source Section: Active Source S

EQP-2017 (4/2010) Page 1 of 1 Contractor 7/26/2016 10:35 AM





Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.

1111port 10. 20201013401								
Tax No:	Permit No:	County: Grand	d Traverse			hip: Acm	е	
		Town/Range:	Section:	Well Status:	W:	SSN:	Source	ID/Well No:
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	–	27N 09W	13	Active		2000528		001
Well ID: 28000	1007391	Distance and D						001
**************************************	7007001							
Elevation: 587.26 ft.		2000528, 1 S.	AYLOR PAR	K BATHHOUS	oE .			
Lievation: 607.20 it.								
Latitude: 44.741462		Well Owner: /	ACME TWP					
Longitude: -85.350893		Well Address:			Owner	Address:		
Longitude03.330093		YUBA PARK F	RD					
Method of Collection: QQQ - 0	Centroid	MI			ACME	, MI 49610)	
		L				$\overline{}$		
Drilling Method: Rotary		Pump Inst	alled: Ye	s	Pum	p Installa	tion Onl	v: No
	Vell Use: Type II public		allation Dat		HP:			,
•	Date Completed: 8/26/1989	Manufactu		0.		p Type:	Submore	siblo
	•							Sibie
Casing Type: PVC plastic	Height:	Model Nui				ıp Capacit		
Casing Joint: Welded			Length: 1	60.00 ft.	Pum	ıp Voltage	:	
Casing Fitting: None		Drop Pipe	Diameter:		Drill	ing Recor	d ID:	
		Draw Dow	n Seal Used	I: No				
Diameter: 5.00 in. to 183.00 ft. depth	า	Pressure '	Tank Installe	ed: No				
l			Relief Valve		No			
		Fiessule	Nellel Valve	mstaneu.	INO			
Borehole: 7.38 in. to 285.00 ft. depth	า							
Static Water Level: 6.00 ft. Below G	Grade							Depth to
Well Yield Test:	Yield Test Method: Unknown		Formation	n Description		Thi	ckness	Bottom
well field fest.	riela rest Metrioa. Unknown					05.0		
		Sand				25.00		25.00
		Clay				257.0	00	282.00
		Sand				3.00		285.00
Screen Installed: Yes F	ilter Packed: No							
	lank: 5.00 ft. Above							
	idin. 0.00 ii. Above							
Screen Material Type:								
Screen Installation Type: Unknown								
Slot Length	Set Between							
10.00 2.00 ft.	283.00 ft. and 285.00 ft.							
						<u> </u>		
Fittings, Noonrone poeker						_		
Fittings: Neoprene packer								
Well Grouted: Yes Grouting	Method: Unknown	Geology F	Remarks:					
Grouting Material Bags Addi								
Bentonite slurry 0.00 None	0.00% / 0.00%							
Demonite ciarry 5.55 [None	0.00 11. 10 0.00 11.							
Wellhead Completion: Pitless add	apter, Other							
		Drilling Ma	achine Oper	ator Name:	ROBE	RT NELSC	N	
Nearest Source of Possible Contam	nination:		ent: Unkno					
Туре	Distance Direction	'						
Septic tank	100 ft.							
Зерис тапк	100 It.	Contracts	r Tune: !!!				N- 1	20.0404
			r Type: Unl	known		R	eg No: 2	28-0481
		Business						
		Business	Address:					
			Water	Well Contr	actor'	s Certifi	cation	
		This woll w						to the best of
			dge and beli	der my superv	เอเบเา สก	u uns repo	กเาร เกนe	to the pest of
		illy knowle	uye anu beli	CI.				
		Signature	of Register	ed Contractor			Date	
General Remarks:		Joignature	or itograter	ou oominacioi			Date	
Other Remarks:								
Other Remarks:								

EQP-2017 (4/2010) Page 1 of 1 LHD 2/17/2000 7:46 AM





Completion is required under authority of Part 127 Act 368 PA 1978. Failure to comply is a misdemeanor.

Town/Range: Section: Well Status: WSSN: 2003728 Source IDNMel No 271.08W 3 Status: 2003728 Source IDNMel No 271.08W 3 Status: 2003728 Source IDNMel No 20037	Import ID: 28271003411	County: Grand Traverse	ITO	wnship: Acme		
Verification	14x NO. 200110302420 Fermit NO.					/Well No
Elevation: 597.1t ft. Latitude: 47.707.66 Longitude: 495.381237 Method of Collection: QQQ - Centroid Well Owner: SCHEPPE, DAVID C Well Address: SZY2 NUS 31 ACME, MI 49610 Pump Installed: Yes Pump Installed: Yes Pump Installation Date: Manufacturer: Pump Type: Pu	W II ID 0000000000					
Elevation: 597.11 ft. Latitude: 47.70768 Longitude: 485.381237 Well Owner: SCHEPPE, DAVID C Well Address: S2413 PINKE HILL CT TRAVERSE CITY, MI 49884 S872 N US 31 ACME, MI 49810 ACME, MI 498	Well ID: 28000002735					
Latitude: 44.77076 Longitude: -95.391237 Sold Commerce SCHEPPE, DAVID C Well Address: Scheme Sc		2029728, 1 HORIZON VIDE	0			
Well Address: S972 N US 31 S972 N US 31 N	Elevation: 597.11 ft.					
Method of Collection: QOQ - Centroid ACME, Mil 49610 TRAVERSE CITY, Mil 49884	Latitude: 44.770766	Well Owner: SCHEPPE, DAY	VID C			
Method of Collection: QQQ - Centroid S872 N US 31 CAME, MI 49910 Pump Installation Date: Pump Instal	Longitude: -85.381237	Well Address: Owner Address:				
Drilling Method: Rotary Vell Depth: 90.00 ft. Well Use: Type II public Date Completed: 6/30/1994 Well Type: New Date Completed: 6/30/1994 Date Static Water Level: 998.99 ft. Below Grade Vell Vield Test: Vield Test Method: Unknown Storeen Installed: Yes Filter Packed: No Red Clay 10.00 1.00 1.00 1.00 1.00 1.00 1.00 1.	· ·					
Well Uper: New	Method of Collection: QQQ - Centrold	ACME, MI 49610		RAVERSE CITY	, MI 49684	
Well Uper: New		Pump Installed: Yes		Pump Installati	on Only:	No
Manufacturer:	,			-	· • ·, ·	
Model Number: Pump Capacity: Disasing Johin: Unknown Drop Pipe Length: Draw Down Seal Used: No Draw Down Seal Used: No Pressure Relief Valve Installed: No Pressure Relief Valve Install	• • • • • • • • • • • • • • • • • • • •					
Drop Pipe Length: Pump Voltage: Drilling Record ID: Draw Down Seal Used: No No No No No No No N		Model Number:			:	
Drop Pipe Diameter: 4.00 in, to 62.00 ft, depth 3.00 in, to 62.00 ft, depth 3.00 in, to 62.00 ft, depth 4.00 in, to 62.00 ft, depth 4.00 in, to 62.00 ft, depth 4.00 in, to 62.00 ft, depth 5.00 ft, dept	· · · ·	Drop Pipe Length:				
Draw Down Seal Used: No Static Water Level: 999.99 ft. Below Grade Well Yeld Test: Yield Test Method: Unknown Recen Installed: Yes Filter Packed: No Screen Installation Type: Unknown Sicreen Installation Type: Unknown Sicreen Installation Type: Unknown Sicreen Installation Type: Unknown Set Between Source Installation Type: Unknown Source Material Type: Sicreen Installation Type: Unknown Source Material Type: Sicreen Installation Type: Unknown Sicreen Installation Sicreen Installation Type: Unknown Sand Source Sicreen Installation Sicreen Installation Type: Unknown Sand Source Sicreen Installation Sicreen Installation Type: Unknown Type:	-					
3.00 in. to 86.00 ft. depth Static Water Level: 999.99 ft. Below Grade Well Yield Test: Yield Test Method: Unknown Topsoil 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0			No	Ü		
And the static water Level: 999.99 ft. Below Grade Well Yield Test: Yield Test Method: Unknown Formation Description Well Yield Test: Yield Test Method: Unknown Red Clay 10.00 26.00 Red Clay 10.00 30.00 Red Clay 10.00 30.00 Red Clay 1.00 31.00 Sand 5.00 Sa	Diameter: 4.00 in. to 62.00 ft. depth	Pressure Tank Installed	: No			
Static Water Level: 999,99 ft. Below Grade Vell Yield Test: Vield Test Method: Unknown Topsoil Lithology Unknown Red Clay 1,00 1,00 2,000 Red Clay 1,00 3,000 Red Clay 1,000 Red Clay 1,000 1,000 Red Clay 1,000 Red Clay 1,000 1,	•	Pressure Relief Valve In	stalled: No)		
Static Water Level: 999.99 ft. Below Grade Vell Vield Test: Vield Test Method: Unknown Topsoil Lithology Unknown 15.00 Lithology Unknown 15.00 Red Clay 10.00 Soreen Installed: Yes Green Installad Type: Screen Installad Type: Unknown Sereen Marisal Type: Unknown Set Between Solot Length Set Between Solot 10.00 Solot Length Set Between Solot 10.00 Solot Red Clay 1						
Vell Yield Test: Yield Test Method: Unknown Formation Description Thickness Bottom	Borehole: 7.88 in. to 62.00 ft. depth					
Vell Yield Test: Yield Test Method: Unknown Formation Description Thickness Bottom						
Vell Yield Test: Yield Test Method: Unknown Formation Description Thickness Bottom						
Topsoil 1.00 1.00 Lithology Unknown 15.00 16.00 Red Clay 10.00 26.00 Screen Installed: Yes Filter Packed: No Sand 4.00 30.00 Screen Material Type: Unknown 15.00 36.00 Sicreen Material Bags Additives Depth Sentonite slurry 0.00 None 0.00 ft. to 62.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Vellhead Completion: Pitless adapter, 12 inches above grade Vellhead Completion: Pitless adapter, 15 inches above grade Vellhead Completion: Pitless adapter, 15 inches above grade Vellhead Completion: Pitless adapter, 15 inches above grade Vellhead Completion: Distance Direction 75 ft. Vellhead Completion: Pitless adapter, 15 inches above grade Vellhead Completion: Distance Direction 75 ft. Vellhead Completion: Distance Direction 75 ft. Very Distance Direction This well was drilled under my supervision and this report is true to the best my knowledge and belief. Very New Yell Contractor Y Date	Static Water Level: 999.99 ft. Below Grade	Formation [Description	Thic		
Lithology Unknown 15.00 16.00 Red Clay 10.00 26.00 Red Clay 10.00 26.00 Screen Installed: Yes Filter Packed: No Sand 4.00 30.00 Screen Material Type: Green Installation Type: Unknown Sold Length 10.00 5.00 ft. 85.00 ft. and 90.00 ft. Set Between 95.00 ft. Sold Length 95.00 ft. Sold Length 95.00 ft. Sold 11.00 72.00 Sold 11.00 72	Nell Yield Test: Yield Test Method: Unknow	'n	Description			
Red Clay 10.00 26.00 Since Installed: Yes Filter Packed: No Sand 4.00 30.00 Sicreen Installed: Yes Filter Packed: No Blank: 2.00 ft. Above Sicreen Material Type: Unknown Gray Clay 1.00 31.00 Sicreen Material Type: Unknown Gray Clay 23.00 36.00 Sicreen Installation Type: Unknown Gray Clay 23.00 59.00 Sicreen Installation Type: Unknown Gray Clay 23.00 61.00 Sond 5.00 ft. 85.00 ft. and 90.00 ft. Clay 11.00 72.00 Sand 2.00 61.00 Clay 11.00 72.00 Sand 18.00 90.00 Sand 18.00 Policy Sand 18.00 90.00 Sond 18.00 90.00 Sond 18.00 Ft. Sand 18.00 90.00 Sond 19.00 Ft. Sand 18.00 Sond 19.00 Ft. Sand 18.00 Sond 19.00 Ft. Sand 18.00 Sond 19.0						
Screen Installed: Yes Filter Packed: No Red Clay 1.00 30.00 Red Clay 1.00 31.00 Red Clay 1.00 31.00 Red Clay 23.00 59.00 Red Clay						
Red Clay 1.00 31.00 Sand 5.00 36.00 Sand 5.00 Sand						
Screen Material Type: Unknown Stot Length 10,00 5.00 ft. Set Between 11,00 72.00 11,00 72.	orden metalled. Too					
Contractor Type						
Side Length 5.00 ft. 85.00 ft. and 90.00 ft.						
Clay 11.00 72.00						
Sand 18.00 90.00 Sand San	3					
Fittings: None Vell Grouted: Yes Grouting Method: Unknown Bags Additives Depth 0.00 ft. to 62.00 ft.	10.00 5.00 ft. 85.00 ft. and 90.00 ft.					
Well Grouted: Yes Grouting Method: Unknown Scrouting Material Bags Additives Depth 90.00 None 0.00 ft. to 62.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Distance Direction Septic tank 75 ft. Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date		Sand		18.00	90	.00
Well Grouted: Yes Grouting Method: Unknown Scrouting Material Bags Additives Depth 90.00 None 0.00 ft. to 62.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Distance Direction Septic tank 75 ft. Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date						
Sentonite slurry 0.00 None 0.00 ft. to 62.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Direction Type Distance Direction Septic tank 75 ft. Contractor Type: Unknown Reg No: 28-2168 Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date	rittings: None					
Sentonite slurry 0.00 None 0.00 ft. to 62.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Direction Type Distance Direction Septic tank 75 ft. Contractor Type: Unknown Reg No: 28-2168 Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date						
Sentonite slurry 0.00 None 0.00 ft. to 62.00 ft. Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Direction Type Distance Direction Septic tank 75 ft. Contractor Type: Unknown Reg No: 28-2168 Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date	W.H.G. (1.1.)	October Demonstra				
Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Distance Direction Septic tank Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date		Geology Remarks:				
Wellhead Completion: Pitless adapter, 12 inches above grade Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Employment: Unknown Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date		4.				
Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date	Sentonite sturry 0.00 None 0.00 ft. to 62.00	π.				
Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date						
Drilling Machine Operator Name: ANTHONY S RIVARD Employment: Unknown Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date	Mallhand Completion: Differendenter 12 inches chave grade					
Employment: Unknown	wellnead Completion: Pilless adapter, 12 inches above grade	Drilling Machine Operate	or Namo: A	NTHONV & DIV	\ PD	
Distance 75 ft. Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date	Nearest Source of Possible Contamination			ANTHORITS KIVA	אועט	
Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date		Employment. Olikilowii				
Contractor Type: Unknown Reg No: 28-2168 Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date Seneral Remarks:	71					
Business Name: Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date Seneral Remarks:	John Carlo	Contractor Type: Unknown	own	Re	a No: 28-2	2168
Business Address: Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date General Remarks:			J **** 1	i ve	g 110. 20-2	- 100
Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date General Remarks:						
This well was drilled under my supervision and this report is true to the best my knowledge and belief. Signature of Registered Contractor Date General Remarks:			ell Contrac	tor's Cartific	ation	
my knowledge and belief. Signature of Registered Contractor Date General Remarks:	•					he host
Signature of Registered Contractor Date General Remarks:				on and this repor	เารแนษเปเ	וים מפטנ
General Remarks:		, initingg and solion				
General Remarks:			_			
		Signature of Registered	Contractor		Date	
	General Remarks:					

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Tax No: 281300401210

Water Well And Pump Record

County: Grand Traverse



Township: Whitewater

Completion is required under authority of Part 127 Act 368 PA 1978. Failure to comply is a misdemeanor.

Permit No:

VA / II ID 0000000000	Town/Range: Section: Well Status 27N 09W 4 Inactive		e ID/Well No: 001				
Well ID: 28000002669	Distance and Direction from Road Intel	1 ,1 1	- 001				
Elevation: 764.43 ft.	2021528, 1TRAVERSE PRECISION						
	Well Owners TRAVERSE DECISION INC						
Latitude: 44.7691262594	Well Owner: TRAVERSE PRECISION INC. Well Address: Owner Address:						
Longitude: -85.4133728531	5770 MOORE RD 5770 MOORE RD						
Method of Collection: GPS Differential (DGPS)	MI	OTTO MICORE RD					
Delition Matheda Determ	Divers In stellarly No.						
Orilling Method: Rotary Nell Depth: 120.00 ft. Well Use: Type II public	Pump Installed: No Pressure Tank Installed: No						
Well Type: Replacement Date Completed: 5/4/1993	Pressure Relief Valve Installed:	No					
Casing Type: PVC plastic Height: 0.00 ft. below grade							
Casing Joint: Unknown							
Casing Fitting: None							
Diameter: 5.00 in. to 115.00 ft. depth							
Borehole: 7.88 in. to 0.00 ft. depth							
Soferiole. 7.00 III. to 0.00 It. deptil							
Static Water Level: 37.00 ft. Below Grade Well Yield Test: Yield Test Method: Unknown	Formation Description	n Thickness	Depth to Bottom				
	Sand & Gravel	45.00	45.00				
	Clay & Sand	10.00	55.00				
	Sand	5.00	60.00				
Screen Installed: Yes Filter Packed: No	Clay & Sand	13.00	73.00				
Screen Diameter: 4.00 in. Blank: 0.00 ft. Above	Sand	11.00	84.00				
Screen Material Type:	Clay & Sand	12.00	96.00				
Screen Installation Type: Unknown	Sand & Gravel	24.00	120.00				
Slot Length Set Between 20.00 5.00 ft. 115.00 ft. and 120.00 ft.			1				
3.00 ft. 113.00 ft. and 120.00 ft.							
Fittings: None	7						
Well Grouted: Yes Grouting Method: Unknown	Geology Remarks:						
Grouting Material Bags Additives Depth	.						
Jnknown 0.00 None 0.00 ft. to 15.00 ft	t.						
Wellhead Completion: Pitless adapter, Other	 						
remeda completion.	Drilling Machine Operator Name:	ANTHONY S RIVARD					
Nearest Source of Possible Contamination:	Employment: Unknown						
Type Distance Direction							
None							
	Contractor Type: Unknown	Reg No:	40-1908				
Abandoned Well Plugged: No	Business Name:						
Reason Not Plugged:	Business Address:						
	Water Well Contractor's Certification This well was drilled under my supervision and this report is true to the best of my knowledge and belief.						
	Signature of Registered Contracto	or Date					
General Remarks:							
Other Pemarks:							

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Completion is required under authority of Part 127 Act 368 PA 1978. Failure to comply is a misdemeanor.

Tax No: 281313301700	Permit No:	County: Grand	d Traverse		Township:	Whitewater	
\\\-\ \ D -00000	007405	Town/Range: 28N 09W	Section:	Well Status: Active	WSSN: 2036		ID/Well No: 002
Well ID: 28000	007185	Distance and D	Direction fro	m Road Inters	ection:		
Elevation: 733.26 ft.		2036328, 2 W	/HITEWATE	R BALL PARK	WEST WELI	L, AT NW CO	₹
Latitude: 44.7739130501		Well Owner: \	WHITEWATE	R TWP			
Longitude: -85.4068465647		Well Address:			Owner Addr	ess:	
Method of Collection: GPS Dif	ferential (DGPS)	NER OF OLD MI	M-72 & ELK	LK RD	5777 VINTO WILLIAMSE	ON RD BURG, MI 496	90
Drilling Method: Auger/Bored Well Depth: 105.00 ft. W	Vell Use: Type II public	Pump Inst	talled: Yes		Pump Ins	stallation Only	y: No
31	ate Completed: 5/2/1996	Manufactu	urer: Goule	ds		pe: Submers	
Casing Type: Steel - black	Height: 1.50 ft. above grade	Model Nui			-	pacity: 0 Gl	PM
Casing Joint: Threaded & coupled			Length: 4	0.00 ft.	Pump Vo	_	
Casing Fitting: None			Diameter:		Drilling R	ecord ID:	
Diameter: 4.00 in to 100.00 ft donth			n Seal Used				
Diameter: 4.00 in. to 100.00 ft. depth	I		Relief Valve		No		
		Fressure	Nellel Valve	ilistalleu.	INO		
Borehole: 7.00 in. to 0.00 ft. depth 0.00 in. to 105.00 ft. depth	1						
Static Water Level: 21.00 ft. Below Well Yield Test:	Grade Yield Test Method: Unknown		Formation	n Description		Thickness	Depth to Bottom
Pumping level 25.00 ft. after 1.00 hrs.	at 25 GPM	Tan Clay 8	& Sand			20.00	20.00
 		Sand				8.00	28.00
		Gray Clay				4.00	32.00
Corcor motanical	ilter Packed: No	Sand Silty				8.00	40.00
	lank: 0.00 ft. Above	Gray Clay				10.00	50.00
Screen Material Type:		Sand				6.00	56.00
Screen Installation Type: Unknown		Gray Clay				40.00	96.00
Slot Length	Set Between	Sand Coar	rse			9.00	105.00
10.00 5.00 ft.	100.00 ft. and 105.00 ft.						
Fittings: None							
Tittings. None							
Well Grouted: Yes Grouting Grouting Material Bags Addi Bentonite slurry 0.00 None		Geology F	Remarks:				
Wellhead Completion: Pitless add	apter	Drilling Ma	achine Oper	ator Name:	MIKE SHRY	/OCK	
Nearest Source of Possible Contam	ination:		ent: Unknov		···		
Туре	Distance Direction						
Septic tank	O ft.						
			r Type: Unk	nown		Reg No:	08-1771
Abandoned Well Plugged: No		Business					
Reason Not Plugged:		Business		Mall Canta	4 - wl - O -		
				Well Contra der my supervi ef.			to the best of
		Signature	of Registere	ed Contractor		Date	
General Remarks:							
Other Remarks:							

EQP-2017 (4/2010) Page 1 of 1 LHD 2/17/2000 7:43 AM





Completion is required under authority of Part 127 Act 368 PA 1978.

Import ID:	Failure to con	ipiy is a misuer	neanor.			
Tax No: 281303200400	Permit No: 36654	County: Grand	d Traverse	Tov	wnship: W	hitewater
		Town/Range:	Section:	Well Status:	WSSN:	Source ID/Well No:
Wall ID: 2000	00015050	27N 09W	32	Active		
Well ID: 2800	00015053	Distance and D	Direction fro	m Road Intersect	tion:	
Elevation:		1/2 MI. E. OF IS SIDE OF SUPP		RD. OR 1/10 MI.	W. OF MUN	ICIE LK. RD. ON S.
Latitude: 44.69336		Well Owner:	WOODLAND	SCHOOL		
Longitude: -85.43045		Well Address:		Ow	ner Addres	s:
Method of Collection: GP	S Std Positioning Svc SA Off	7224 SUPPLY ROAD 7224 SUPPLY ROAD TRAVERSE CITY, MI 49686 TRAVERSE CITY, MI 4				
Drilling Method: Rotary		Pump Inst	alled: Ye	s	Pump Instal	llation Only: No
Well Depth: 199.00 ft.	Well Use: Type II public	Pump Inst	allation Dat	e: 2/10/2015	HP: 0.75	
Well Type: Replacement	Date Completed: 1/29/2015	Manufactu	ırer: F.E.	Myers	Pump Type:	: Submersible
Casing Type: PVC plastic	Height: 1.00 ft. above grade	Model Nui	mber: 2ST	72-12	Pump Capa	city: 12 GPM
Casing Joint: Solvent welded/g	glued	Drop Pipe	Length: 1	120.00 ft.	Pump Volta	ge: 230
Casing Fitting: None		Drop Pipe	Diameter:	1.00 in.	Drilling Rec	ord ID:

Casing Joint: Solvent welded/glued Casing Fitting: None	Drop Pipe Length: 120.00 ft. Pump Voltage: 230 Drop Pipe Diameter: 1.00 in. Drilling Record ID: Draw Down Seal Used: No				
Diameter: 5.00 in. to 191.00 ft. depth SDR: 21.00	Pressure Tank Installed: Yes				
Borehole: 8.50 in. to 199.00 ft. depth	Pressure Tank Type: Diaphragm/bladder Manufacturer: Goulds Model Number: 140BG Tar Pressure Relief Valve Installed: Yes	(Buried) k Capacity: 45.2	Gallons		
Static Water Level: 59.00 ft. Below Grade Well Yield Test: Yield Test Method: Air	Formation Description	Thickness	Depth to Bottom		
Pumping level 189.00 ft. after 0.50 hrs. at 30 GPM	Sand & Gravel	91.00	91.00		
	Clay	96.00	187.00		
	Sand & Gravel	12.00	199.00		
Screen Installed: Yes Filter Packed: Yes					
Screen Diameter: 4.00 in. Blank: 2.00 ft. Above					
Screen Material Type: PVC-wire wrapped Screen Installation Type: Telescoped					
Slot Length Set Between					
12.00 8.00 ft. 191.00 ft. and 199.00 ft.					
Fittings: Neoprene packer					
Well Grouted: Yes Grouting Method: Grout pipe outside casing Grouting Material Bags Additives Depth	g Geology Remarks:	1			

		Clay	96.00	187.00
		Sand & Gravel	12.00	199.00
Screen Installed: Yes	Filter Packed: Yes	V V		
Screen Diameter: 4.00 in.	Blank: 2.00 ft. Above			
Screen Material Type: PVC-	-wire wrapped			
Screen Installation Type: Te	elescoped			
Slot Length	Set Between			
12.00 8.00 ft.	191.00 ft. and 199.00 ft.			
Fittings: Neoprene packer				
	outing Method: Grout pipe outside casing	Geology Remarks:		
Grouting Material Bags	Additives Depth			
Bentonite slurry 15.00	None 0.00 ft. to 181.00 ft.			
Wellhead Completion: Pitle	ess adapter			
		1 9	KE KILINSKI	
Nearest Source of Possible C		Employment: Employee		
Туре	Distance Direction	Pump Installer: KEN NOVAK		
Drainfield/Dry well	100 ft. North-Northwest	Company Transport Mark Mark B. 1111 Co.		00.0407
		Contractor Type: Water Well Drilling Co) : 28-2187
Abandoned Well Plugged:	Yes	Business Name: Cluff Well Drilling Cor		
		Business Address: 6410 Center Rd, T		
		Water Well Contract		
Latitude: 44.69336	Longitude: -85.43045	This well/pump was constructed under my the work complies with Part 127 Act 368		
Casing Diameter: 4 in.	Casing Removed: Yes	Title work complies with Part 127 Act 368 I	ra 1976 and the we	ii code.
Plugging Material: Bentonite	• •			
No. of Bags: 9.00	Well Depth: 83 ft.	Signature of Registered Contractor	Dat	e
General Remarks:				
Other Remarks:				
EQP-2017 (4/2010)	Page 1 of 1		Contractor 2/	18/2015 3:43 PN

Whitewater Township Trustee

Memo

To: Whitewater Township Board

From: Don Glenn, Trustee

cc: None

Date: September 23, 2022

Re: WWT Park current fund balance & annual net revenue proceeds

Following an investigative research of available documents and finding MCL 41.110 (on pages 17 & 18 of Chapter 41 – link below) that allows the net revenue proceeds generated via the operation of the Whitewater Township Park campground facility can be transferred annually to the township General Fund.

This transfer of funds is warranted per MCL 41.110 – "Transfer of unexpended balance in nonrestricted township fund to general fund of township" as the funds currently held in the Whitewater Township Park campground account and the future generation of profits meet the criteria specified in MCL 41.110 as listed below:

Sec. 110.

- (1) The township board may, by resolution, transfer the unexpended balance in a nonrestricted township fund to the general fund of the township after provision has been made for the payment of unpaid warrants or orders drawn on the nonrestricted fund and for claims and accounts then existing which, when audited and allowed, would be payable out of that fund.
- (2) If a transfer of funds is authorized pursuant to subsection (1), the treasurer of the township shall provide for the transfer of funds when and as authorized by the township board.
- (3) A township board shall not transfer the unexpended balance of any township fund under this section if unpaid bonds payable from the fund are outstanding.

History: Add. 1989, Act 77, Imd. Eff. June 20, 1989

https://www.legislature.mi.gov/(S(md0bsd3efywdjy23qon1nrai))/documents/mcl/pdf/mcl-chap41.pdf

<u>Motion to</u>: Approve Resolution #22-17 in support of transferring the current unexpended balance from the nonrestricted Whitewater Township Park fund to the General Fund no later than November 30, 2022. This resolution also includes the transfer of the 2022 park net revenue proceeds by November 30, 2022, and those park net revenue proceeds generated annually thereafter by November 30th of the corresponding year.

WHITEWATER TOWNSHIP

Resolution #22-17 in support of transferring the current unexpended balance from the nonrestricted Whitewater Township Park fund to the General Fund and annually thereafter.

Resolution No. 22-17

At a regular meeting of the Township Board of the Whitewater Township, Grand Traverse County, Michigan, ("Township"), held at the Whitewater Township Hall, 5777 Vinton Road, Williamsburg, Michigan, on the 11th day of October 2022, at 9:00 am. PRESENT: NONE: The following resolution was offered by _____ and supported by _____. WHEREAS: the transfer of funds is allowed per MCL 41.110; and WHEREAS: the township board may, by resolution, transfer the unexpended balance in a nonrestricted township fund to the general fund of the township after provision has been made for the payment of unpaid warrants or orders drawn on the nonrestricted fund and for claims and accounts then existing which, when audited and allowed, would be payable out of that fund; and WHEREAS: a transfer of funds is authorized, and the treasurer of the township shall provide for the transfer of funds when and as authorized by the township board; and WHEREAS: there are no unpaid bonds payable from the fund that are outstanding. NOW, THEREFORE, BE IT RESOLVED the Township Board of Trustees for Whitewater Township, Grand Traverse County, Michigan, adopt Resolution #22-17 in support of transferring the current unexpended balance from the nonrestricted Whitewater Township Park fund to the General Fund and annually thereafter. This resolution shall take effect and be in force immediately upon its adoption. All prior resolutions and/or parts of prior resolutions insofar as they conflict with the provisions of this resolution are hereby rescinded. ROLL CALL VOTE Yeas: Nays:

Absent/Abstain:

RESOLUTION DECLARED (ADOPTED o	or DENIED), circle one.
Ron Popp, Supervisor Whitewater Township	
STATE OF MICHIGAN)) ss COUNTY OF GRAND TRAVERSE)
County, Michigan, DO HEREBY CERTIFY certain proceedings taken by the Whitewater	Clerk for Whitewater Township, Grand Traverse that the foregoing is a true and complete copy of Township Board at a meeting held on the 11 th day above Resolution was adopted at said meeting.
Cheryl A. Goss, Clerk Whitewater Township	
Dated:, 2022	

Whitewater Township Trustee

Memo

To:

Whitewater Township Board

From:

Don Glenn, Trustee

CC:

None

Date:

September 23, 2022

Re:

Administrative Policy & Procedure manual – Section 4.5 Financial Reporting

The purpose of monthly financial reporting is both for our citizens and board to obtain a concise overview of the previous month's financial status by having up-to-date reporting. This is essential as this reporting provides a snapshot of the township's financial health, giving insight into our performance, operations, and cash flow.

Below is the current policy and procedure for Section 4.5(a) Periodic Revenue and Expenditure Report with the proposed language to be amended as shown in "red":

4.5 Financial Reporting

4.5(a) Periodic Revenue and Expenditure Report

The clerk shall prepare a financial report for the township board at the end of each of the first three quarters and at the end of each month occurring during the fiscal year. fourth quarter. The report will be current through the last day of the previous month, and shall be presented to the board at its regular monthly meeting. The financial report for each fund will show the following information for revenues and expenditures:

- 1. Chart of Accounts number
- 2. Description
- 3. Original Budget
- 4. Amended budget
- 5. Year to date
- 6. Budget balance

Motion to amend the policy and procedure manual section 4.5(a) Periodic Revenue and Expenditure Report as approved October 11, 2022, to the Administrative Policy & Procedure manual.

The cash balances of all funds shall be reconciled to the bank statements monthly. The cash balances should be the result of the cash receipts and disbursement activities and shall be derived from the same accounting records used in preparing the financial reports discussed in section 4.5(a).

After the bank reconciliation is complete, the treasurer shall prepare a cash balances report. The treasurer's cash balance report shall be reconciled with the clerk's cash balances report.

4.4 Accounts Receivable

4.4(a) Invoice Preparation

The clerk shall be responsible for preparing invoices for revenues due to the township. Invoices shall include the name, amount invoiced and the purpose.

All invoices shall include a duplicate copy to be returned to the treasurer with payment.

4.4(b) Posting and Distribution

The clerk shall record the receivables in the general ledger. The clerk shall maintain subsidiary records of all receivables. The subsidiary ledgers shall be reconciled to the general ledger on a monthly basis. In addition, the clerk shall reconcile the ambulance subsidiary ledger to the outside billing service accounts receivable balance on a monthly basis.

A copy of all invoices or bills for moneys owed the township, except for ambulance billings, shall be given to the treasurer who shall also maintain a subsidiary record which shall be reconciled to the clerk's records on a quarterly basis.

4.4(c) Method of Accounting

For all remittance advices received in accordance with section 4.3(c), the clerk and treasurer shall credit the receivable. Monthly, a listing of all amounts invoiced but not yet received shall be prepared by the clerk and reconciled to the general ledger as discussed in section 4.4(b).

4.5 Financial Reporting

4.5(a) Periodic Revenue and Expenditure Report

The clerk shall prepare a financial report for the township board at the end of each of the first three quarters and at the end of each month occurring during the fourth quarter. The report will be current through the last day of the previous month, and shall be presented to the board at its regular monthly meeting. The financial report for each fund will show the following information for revenues and expenditures:

- 1. Chart of Accounts number
- 2. Description
- 3. Original budget

- 4. Amended budget
- 5. Year to date
- 6. Budget balance

4.5(b) Cash Balances Report

The treasurer shall prepare a monthly report for the township board showing the cash balance in each township fund. The report will be current through the last day of the previous month, and shall be presented to the board at its regular monthly meeting.

4.5(c) Investment Performance Report

If funds are invested in other than NOW public funds or MM public funds, the treasurer shall prepare a quarterly report of the other interest bearing activities, including the name of the financial institution, type of investment, anticipated yield and date of maturity.

4.5(d) Financial Reports Review

The clerk shall review the financial reports and shall recommend to the supervisor any necessary budget amendments or fund transfers. When necessary, the supervisor shall present to the township board recommendations to prevent expenditures from exceeding available revenues or appropriations, increasing revenues, or both.

4.6 Inventory of Fixed Assets (Amended 8/19/2003)

4.6(a) Responsibility

The clerk shall maintain an inventory of the township's fixed assets. For accounting of capital assets, assets shall be tangible, have an expected useful life of at least one year and have a value of at least \$1,000.00. For inventory control purposes, assets shall be tangible, have an expected useful life of at least one year and have a value of at least \$50.00.

4.6(b) Updating

The clerk shall add or remove fixed assets from the inventory at the time of acquisition or disposal. The inventory shall include information as required by GASB 34 and shall be recorded in the general ledger.

4.6(c) Inventory Responsibility

Department heads shall annually inventory all assets assigned to their department and submit the inventory to the clerk.

4.6(d) Disposal of Fixed Assets

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board of Trustees

CC: None

Date: 9-29-2022

Re: Disposition of Marihuana Subcommittee Final Recommendation

Board Members -

As Ordinance Number 62 becomes effective in Whitewater Township, an ordinance to prohibit Commercial Medical Marihuana Facilities within the boundaries of Whitewater Township, the need for additional ordinance or regulation documents is unnecessary. The documents do represent a significant community investment and therefore could have great value if the marihuana use question returned to Whitewater Township. How would the Board like to deal with the recommendations from the marihuana subcommittee dated August 8, 2022 we received last month as correspondence?

Motion to accept and file in the Clerk's Office the Marihuana Subcommittee Final Recommendations dated August 8, 2022. As Ordinance 61 & 62 now prohibit commercial marihuana facilities and establishments within the boundaries of Whitewater Township no further action will be taken on said recommendations.

Respectfully submitted,

Whitewater Township FOIA Coordinator

Supervisor, Whitewater Township



Transmittal of Marihuana Subcommittee Final Recommendations 08/18/2022

1 message

Cheryl A. Goss <clerk@whitewatertownship.org>

Tue, Aug 23, 2022 at 5:42 PM

To: Ardella Benak <treasurer@whitewatertownship.org>, "Cheryl A. Goss" <clerk@whitewatertownship.org>, Don Glenn Yahoo <dglenn6542@yahoo.com>, Donald Glenn <trustee02@whitewatertownship.org>, Heidi Vollmuth <trustee01@whitewatertownship.org>, Heidi Vollmuth Gmail <heidivyourtrustee@gmail.com>, Ron Popp <supervisor@whitewatertownship.org>, Ron Popp Gmail <supervisorwhitewater@gmail.com> Cc: David Mellor <dmellor4@gmail.com>, Lois MacLean <loismaclean@sbcglobal.net>, Mike Jacobson <pc3@whitewatertownship.org>, Robert Hall ZA <zoning@whitewatertownship.org>

Township Board -

The following motion and vote took place at the 08/18/2022 meeting of the Whitewater Township Marihuana Subcommittee:

Motion by Hall, second by Jacobson, to send the Whitewater Township Marihuana Subcommittee Final Recommendations dated 08/18/2022, with attachments as listed, to the Whitewater Township Board, noting that attachment number three amends the flow chart to change "denial of special request" to "denial of special use request."

Roll call vote: Vollmuth-yes; Goss-yes; Jacobson-yes; Hall-yes; Mellor-n/a. Motion carried.

See attachment.

Cheryl A. Goss, MIPMC

Whitewater Township Clerk

5777 Vinton Road, P.O. Box 159

Williamsburg, Michigan 49690

Telephone: 231.267.5141 X 24

Fax: 231.267.9020

clerk@whitewatertownship.org

Office Hours: Mon/Tue/Wed/Thurs 9:00 am to 5:00 pm

I Pledge Allegiance to the Flag of the United States of America, and to the REPUBLIC for which it stands, one Nation, under God, Indivisible, with Liberty and Justice for All.

WHITEWATER TOWNSHIP MARIHUANA SUBCOMMITTEE FINAL RECOMMENDATIONS

08/18/2022

TASKS: The Marihuana Subcommittee was formed by the Whitewater Township Board in order to develop the interview process and an administrative checklist related to applications for medical and/or recreational marihuana, as well as to create a flow chart showing how marihuana applications would be handled.

RECOMMENDATIONS: After 7 months of meetings, the Marihuana Subcommittee makes the following final recommendations to the Whitewater Township Board:

- 1. Utilize the MMFLA and MRTMA applications, as modified by the subcommittee, as the administrative checklist.
- 2. There not be a preapplication interview process.
- 3. The township utilizes the flow chart developed by the subcommittee to facilitate the process for applicants and the board.
- 4. The township board determine who will review the applications for accuracy and completeness.

ATTACHMENTS:

- 1. MMFLA Application with Subcommittee Recommendations in Red
- 2. MRTMA Application with Subcommittee Recommendations in Red
- 3. Cannabis Flow Chart Final 07/28/2022, as amended 08/18/2022

WHITEWATER TOWNSHIP GRAND TRAVERSE COUNTY, MICHIGAN

APPLICATION DATE	
PERMIT NO	

APPLICATION FOR PERMIT COMMERCIAL MEDICAL MARIHUANA FACILITY

Submit <u>three (3)</u> physical copies and one (1) electronic copy of completed application and all required materials to the Township.

Application for (check one):	
☐ New permit for Commercial Medica	al Marihuana Facility ("Facility")
☐ Renewal permit for Facility	* * * * *
☐ Transfer of permit for Facility	
A P C C	
Applicant(s) Information	home addresses, and personal phone numbers for all owners,
	nome addresses, and personal phone numbers for all owners, acility are required and must be attached to this application.)
	······································
Name	
Address	
Phone Emai	il
Legal Interest in Subject Property	il
Subject Property Owner	
Address	
Phone Emai	il
Address of Subject Property:	
Parcel Identification Number:	
Type of Facility (check one):	
☐ MMFLA Grower Class A	Number of Permits:
☐ MMFLA Grower Class B	Number of Permits:
☐ MMFLA Grower Class C	Number of Permits:
☐ MMFLA Processor	
Have you received prequalification from the	e State of Michigan for the uses selected above?
riave you received prequamication from the	state of Whenigan for the uses selected above.
No Yes (If yes, please provide	de a copy of your prequalification document(s).
Proposed Facility will operate within (cho	eck one):
☐ A structure or structures pre-existin	g on the Subject Property.
☐ A structure or structures to be erected	ed pending issuance of a Permit.
	xisting on the Subject Property and structures to be
erected pending issuance of a Perm	it.

Before the Township will consider the Application for a Facility Permit, the Applicant(s) must complete this application form, pay all fees and attach ALL of the following documentation. All

WHITEWATER TOWNSHIP GRAND TRAVERSE COUNTY, MICHIGAN

APPLICATION DATE	
PERMIT NO	

documents should shall be clearly identified and submitted in the same order as they are listed in this application.

Applicant	Zon Admin	
		A. All documentation showing the proposed Permit Holder's valid tenancy, ownership or other legal interest in the proposed Permitted Property and Permitted Premises. If the Applicant is not the owner of the proposed Permitted Property and Permitted Premises, a notarized statement from the owner of such property authorizing the use of the property for a Facility.
		 B. If the proposed Permit Holder is a corporation, non-profit organization, limited liability company or any other entity other than a natural person, attach all of the following: 1. Documentation indicating its legal status. 2. Copy of all company formation documents (including bylaws & amendments). 3. Identify all owners and their percentage of ownership in the entity. 4. Proof of registration with the State of Michigan. 5. Certificate of good standing. 6. (Transfers Only) Any purchase order or sale of stock in the existing Permit Holder. 7. (Transfers Only) Certified copy of the minutes of a meeting of the board of directors or members authorizing the sale of stock or membership interest.
		C. Copies of a valid, unexpired driver's license or state issued ID for all owners, directors, officers and managers of the proposed Facility.
		D. Evidence of a valid sales tax license for the business if such a license is required by state law or local regulations.
		E. Application for a Sign Permit if any sign is proposed.
		F. Non-refundable Application fee.
		G. Business and Operations Plan, showing in detail the Facility's proposed plan of operation, including without limitation, the following:

issued Permits and Licenses.

K. A complete list of all marihuana Permits and Licenses held by the Applicant (including permits or licenses from other states or countries), or any owner, partner, director, officer, or manager of the Applicant or any entity owned by them whether Commercial Medical Marihuana Facilities or Marihuana Establishments, including complete copies of the

		M Fa bu di ov op	A statement regarding arihuana Establishment, acility, similar Permit or asiness or venture that the rector, officer, or manage when or controlled in whole perate in any other jurisdicate, and their involvement	Commercial Machiners, or an Applicant, or a per of the Applicant by the ction within the	Medicy oth only of other order of the other of the other of the other of the other o	al Marihuana ner marihuana wner, partner, or any entity authorized to
regardless of v	whether the	e Appli	ship in connection with ar cant receives a Permit, Li al or regulatory authority.			
Background &	& Self Disc	closure	:			
	by the Tov	wnship	sons acknowledge and of as a condition of the To			
charged, in	dicted, or	impriso	owner, member, or partne oned for a felony involving 04, federal law, or the law	controlled sub	stanc	es as defined under
2. Has the Applicant or any owner, member, or partner of the Applicant ever been arrested charged, indicted, or imprisoned for any other felony under Michigan law, federal law, or the law of any other state? Yes □ No □						
			n answered Yes to either o nse. Attach additional pag			questions, complete
Date	State	Offen	se Charge/Indictment	Arresting Agency		Disposition
Name & Loca	ation of Co	ourt	Case Caption		Cas	e/Docket Number
[D		0.00		Γ		I
Date	State	Offen	se Charge/Indictment	Arresting Agency		Disposition

Name & Location of Court		Case Caption		Case/Docket Number	
·					
Date	State	Offer	nse Charge/Indictment	Arresting Agency	Disposition
Name & L	Location of C	Court	Case Caption		Case/Docket Number
Applicant(s is true and agree that: application 59; (2) it is Township (official(s); (employees(Township Control of the street o	correct to the (1) they are when require their sole resolution (3) Whitewards) or official ordinance; and	(s) certine best of required ed, and sponsibility ter Towal(s) that defined (4) the	Ify that the information sure of their knowledge. Appled to supplement the information (10) days, under within (10) days, under all the comply with the retanding the signature or a machine is not bound to receat is not in strict comp	icant(s) and Ormation submitted whitewater quirements of a pproval of any ognize the approval of give the Approval the Approval of give the give	attached to this application wner(s) acknowledge and ted in and attached to this Township Ordinance Normany applicable Whitewater Township employee(s) or oval or other action of any applicable Whitewater applicable Whitewater plicant(s) or Owner(s) any
Signature (A	Applicant) P	rint nan	ne:	Date	3
Signature (Applicant) Print name:		Date	Date		
Signature (Owner) Print name:		Date	e		
Signature (Owner) Print	name:		<u></u>	2

COMMERCIAL MEDICAL MARIHUANA FACILITY

(THIS SECTION TO BE COMPLETED AFTER REVIEW BY WHITEWATER TOWNSHIP)

On	_, 20 , the Whitewater Townshi $_{ m I}$	p Board:
[] Approved the application	for the following reason(s):	
[] Approved the application	subject to the following conditions	s:
	the following reason(s):	
Township Supervisor	Dat	te
Township Clerk	Dat	te
Township Clerk has retained provided to:	the completed Permit Application	. If issued, copy of the Permit was
☐ Applicant	☐ Property Owner	☐ Township Clerk
Permit contingent upon speci	ial use permit issued under the Tov	wnship Zoning Ordinance.

WHITEWATER TOWNSHIP GRAND TRAVERSE COUNTY, MICHIGAN

APPLICATION DATE	
PERMIT NO	

APPLICATION FOR PERMIT ADULT-USE MARIHUANA ESTABLISHMENT

Submit <u>three (3)</u> physical copies and one (1) electronic copy of completed application and all required materials to the Township

Application for (check one):	
☐ New permit for Marihuana Establish	ment ("Establishment")
☐ Renewal permit for Establishment	
☐ Transfer of permit for Establishment	
•	
Applicant(s) Information	
	ome addresses, and personal phone numbers for all owners,
directors, officers, and managers of the proposed Est	ablishment are required to be attached to this application)
Name	
Address	
Phone Email	
Legal Interest in Subject Property	
Subject Property Owner	
Name	
Address	
Phone Email	
Address of Subject Property:	
Parcel Identification Number:	
Type of Establishment (check one):	
☐ Marihuana Grower Class A	Number of Permits:
☐ Marihuana Grower Class B	Number of Permits:
☐ Marihuana Grower Class C	Number of Permits:
☐ Marihuana Processor	
Have you received prequalification from the	State of Michigan for the uses selected above?
• • • • •	
No Yes (If yes, please provide	e a copy of your prequalification document(s).
Proposed Establishment will operate with	
☐ A structure or structures pre-existing	g on the Subject Property.
☐ A structure or structures to be erecte	d pending issuance of a Permit.
☐ A combination of structures pre-ex	isting on the Subject Property and structures to be
erected pending issuance of a Permit	

Before the Township will consider the Application for an Establishment Permit, the Applicant(s) must complete this application form, pay all fees and attach ALL of the following documentation.

WHITEWATER TOWNSHIP GRAND TRAVERSE COUNTY, MICHIGAN

APPLICATION DATE	
PERMIT NO	

All documents should shall be clearly identified and submitted in the same order as listed in this application.

Applicant	Zon Admin	
		A. All documentation showing the proposed Permit Holder's valid tenancy, ownership or other legal interest in the proposed Permitted Property and Permitted Premises. If the Applicant is not the owner of the proposed Permitted Property and Permitted Premises, a notarized statement from the owner of such property authorizing the use of the property for an Establishment.
		 B. If the proposed Permit Holder is a corporation, non-profit organization, limited liability company or any other entity other than a natural person, attach all of the following: 1. Documentation indicating its legal status. 2. Copy of all company formation documents (including bylaws & amendments). 3. Identify all owners and their percentage of ownership in the entity. 4. Proof of registration with the State of Michigan. 5. Certificate of good standing. 6. (Transfers Only) Any purchase order or sale of stock in the existing Permit Holder. 7. (Transfers Only) Certified copy of the minutes of a meeting of the board of directors or members authorizing the sale of stock or membership interest.
		C. Copies of a valid, unexpired driver's license or state issued ID for all owners, directors, officers and managers of the proposed Establishment.
		D. Evidence of a valid sales tax license for the business if such a license is required by state law or local regulations.
		E. Application for a Sign Permit if any sign is proposed.
		F. Non-refundable Application fee.

		G. Business and Operations Plan, showing in detail the Establishment's proposed plan of operation, including without limitation, the following:
Applicant	Zon Admin	 A description of the type of Establishment(s) proposed and the anticipated or actual number of employees. A security plan meeting the requirements of the Township Ordinance. A description by category of all products to be grown, processed, or sold. A list of Material Safety Data Sheets for all nutrients, pesticides, and other chemicals proposed for use in the Establishment.
		 5. A description and plan of all equipment and methods that will be employed to stop any impact to adjacent uses, including enforceable assurances that no odor will be detectable from outside of the Permitted Premises. 6. A plan for the disposal of Marihuana and related byproducts that will be used at the Establishment.
		H. Site plan and interior floor plan of the Permitted Premises and the Permitted Property lawfully signed and sealed by a Michigan registered architect, surveyor or professional engineer.
		I. An identification of any business that is directly or indirectly involved in the growing, processing, testing, transporting or sale of Marihuana for the Establishment.
		J. A statement indicating whether the Applicant or any owner, partner, or officer or any entity owned or controlled by them has ever applied for or been granted, denied, restricted, suspended, revoked, or not renewed any commercial license, permit, or certificate issued by a licensing authority in Michigan or any other jurisdiction. If yes, include a statement describing the facts and circumstances, including the licensing authority, the date each action was taken, and the reason for each action.
		K. A complete list of all marihuana Permits and Licenses held by the Applicant (including permits or licenses from other states or countries), or any owner, partner, director, officer, or

manager of the Applicant or any entity owned by them whether Commercial Medical Marihuana Facilities or Marihuana Establishments, including complete copies of the issued Permits and Licenses.

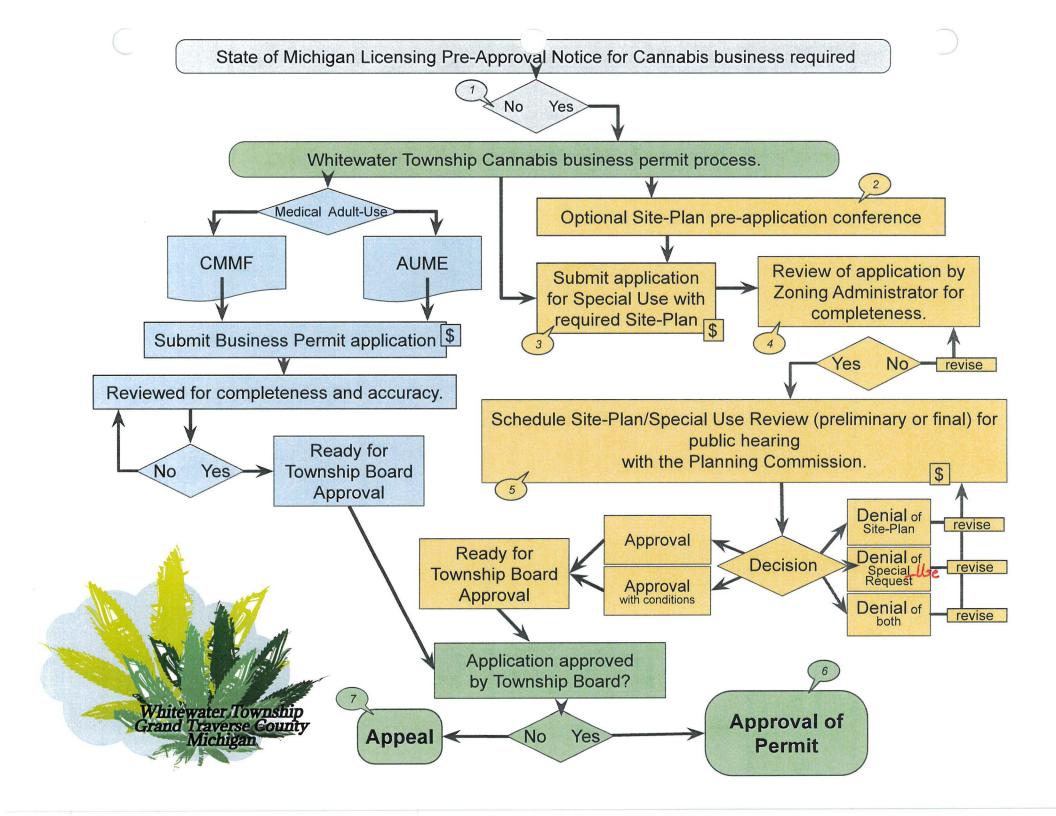
Applicant	Zon Admii	1		
		L. A statement regarding Marihuana Establishment, C Facility, similar Permit or I business or venture that the director, officer, or manage owned or controlled in whole operate in any other jurisdict State. and their involvement.	Commercial Medic License, or any oth Applicant, or any or r of the Applicant e or part by them is ction within the Sta	al Marihuana er marihuana wner, partner, or any entity authorized to
		M. An explanation of any reconsider when evaluating Applications, including, but in the Whitewater Towns Taxation of Marihuana Ordin	the Application a not limited to, those ship Michigan Re	against other factors listed
regardless of v	vhether the	ne Township in connection with Applicant receives a Permit, Lice or regulatory authority.		
Background	& Self Disc	closure:		
investigation	by the Tov	ed persons acknowledge and conship as a condition of the Toor denial of a permit.		
charged, ir	ndicted, or i	any owner, member, or partner imprisoned for a felony involving 333.7104, federal law, or the law	controlled substance	es as defined under
charged, in		r any owner, member, or partner imprisoned for any other felony u? Yes □ No □		
		l person answered Yes to either or ch offense. Attach additional page		questions, complete
Date	State	Offense Charge/Indictment	Arresting Agency	Disposition

Name & Location of Court		Case Caption	Case Caption		
Date	State	Offe	nse Charge/Indictment	Disposition	
Name & I	Location of C	 court	Case Caption		Case/Docket Number
Date	State	Offe	nse Charge/Indictment	Arresting Agency	Disposition
Name & I	Location of C	ourt	Case Caption		Case/Docket Number
application 60; (2) it is Township (official(s); employees(Township (when requir their sole res Ordinance, no (3) Whitewar (s) or official Ordinance; an	ed, and ponsible ter Town tel (s) the tel (d) the tel	d to supplement the information within (10) days, under the lifty to comply with the rectanding the signature or appropriate is not bound to recount is not in strict complete resulting permit does not signature of a permit, or to any	the Whitewater quirements of a pproval of any ognize the appro- liance with the ot give the Appro-	Township Ordinance Nany applicable Whitewate Township employee(s) of a oval or other action of ar a applicable Whitewate
Signature (Applicant) P	rint nar	me:	Date	,
Signature (Applicant) Print nan			ne:	e: Date	
Signature (Owner) Print name:				Date	
Cionatura (Orran) Deint	noma			

MARIHUANA ESTABLISHMENT

(THIS SECTION TO BE COMPLETED AFTER REVIEW BY WHITEWATER TOWNSHIP)

On	, 20_	, the Whitewater Tow	nship Boo	ard:
[] Approved the appl	ication for the	e following reason(s):		
[] Approved the appl	ication subjec	t to the following condi	itions:	
[] Denied the applica	tion for the fo	llowing reason(s):		
Township Supervisor		······································	Date	
Township Clerk			Date	
Township Clerk has r provided to:	etained the co	ompleted Permit Applica	ation. If is	sued, copy of the Permit was
☐ Appli	icant	☐ Property Owner		☐ Township Clerk
Permit contingent und	on special use	nermit issued under the	- Townshi	n Zoning Ordinance



Whitewater Township Cannabis business permit process.

Footnotes

State approval required before township approval.

Optional pre-application conference: In order to facilitate processing of a site plan in a timely manner, the applicant may request a pre-application conference with the Zoning Administrator, up to three (3) members of the Planning Commission, and such other Township representatives as appropriate.

The purpose of such a conference is to provide information and guidance to the applicant that will assist in preparation of the site plan. The applicant is encouraged to provide rough conceptual drawings or site plans indicating the location and boundaries of the subject property. No formal action shall be taken on a site plan at a pre-application conference. There is no fee to the applicant for the pre-application conference.

Application for Special Use with required Site-Plan must be submitted in compliance with zoning ordinance requirements and standards

Special Use with required Site-Plan will be reviewed for compliance with zoning ordinance requirements and standards.

See Article XXV-Whitewater Township Zoning ordinance.

6 Approval in coordination with Township Board to confirm Board issuance of permit.

Denial will/must be in written form. Appeal is done through the court system.



Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board

From: Ron Popp, Supervisor

CC: None

Date: 9-30-2022

Re: Moratorium on Site Plan Reviews and Special Use Permits

Board Members -

At our September meeting the board approved amendments to Article 25 of the Whitewater Township Zoning Ordinance that addressed many of the reasons for the moratorium that was placed upon all Site Plan Reviews, Site Condominium, Planned Unit Development, Special Use Permits, Plat Approvals, and Condominium Conversions in Whitewater Township until January 1, 2023. Seven days after those amendments are published, they become effective and the Board could lift the moratorium. Clerk Goss has supplied an order confirmation from the Traverse City Record Eagle in regards to the required publishing.

Motion to lift the moratorium on all Site Plan Reviews, Site Condominium, Planned Unit Development, Special Use Permits, Plat Approvals, and Condominium Conversions in Whitewater Township on October 7, 2022.

Respectfully submitted,

Ron Popp

Supervisor, Whitewater Township

T. C. RECORD-EAGLE, INC. 120 WEST FRONT STREET TRAVERSE CITY MI 49684 (231)946-2000 Fax (231)946-8273

ORDER CONFIRMATION

Salesperson: Miranda Roy Printed at 09/28/22 09:45 by mroy

Acct #: 2055 Ad #: 591763 Status: New WHOLD

WHITEWATER TOWNSHIP CLERK Start: 09/29/2022 Stop: 09/29/2022 Times Ord: 1 Times Run: *** CHERYL GOSS

P.O. BOX 159

STDAD 3.00 X 5.71 Words: 356

Total STDAD 17.13 WILLIAMSBURG MI 49690 Class: 147 LEGALS

Rate: LEGAL Cost: 145.45 # Affidavits: 1

Ad Descrpt: LEGAL NOTICE WHITEWATER T Contact:

Given by: CHERYL GOSS Phone: (231)267-5141

Fax#: P.O. #:

Email: clerk@whitewatertownship.org Created: mroy 09/28/22 09:40 Agency: Last Changed: mroy 09/28/22 09:44

PUB ZONE EDT TP START INS STOP SMTWTFS

RE A 97 W Thu 09/29/22 1 Thu 09/29/22 SMTWTFS IN AIN 97 W Thu 09/29/22 1 Thu 09/29/22 SMTWTFS

AUTHORIZATION

Thank you for advertising in the Record-Eagle, our related publications and online properties. If you are advertising with the Record-Eagle classifieds, your ad will begin running on the start date noted above.

Please be sure to check your ad on the first day it appears. Although we are happy to make corrections at any time, the Record-Eagle is only responsible for the first day's incorrect insertions. Also, we reserve the right to edit or reclassify your ad to better serve buyers and sellers.

No refunds or rebates will be issued if you cancel your ad prior to the stop date.

We appreciate your business.

(CONTINUED ON NEXT PAGE)

T. C. RECORD-EAGLE, INC. 120 WEST FRONT STREET TRAVERSE CITY MI 49684 (231)946-2000 Fax (231)946-8273

ORDER CONFIRMATION (CONTINUED)

Salesperson: Miranda Roy Printed at 09/28/22 09:45 by mroy

Acct #: 2055 Ad #: 591763 Status: New WHOLD WHOI

LEGAL NOTICE Whitewater township, grand traverse county, michigan Zoning ordinance amendment Ordinance no. 84

NOTICE OF ADOPTION

Please take notice that on September 21, 2022, the Township Board of Whitewater Township adopted Ordinance No. 84 which amends the provisions of the Whitewater Township Zoning Ordinance as incorporated in Ordinance 6 of the Whitewater Township Code of Ordinances, pursuant to authority granted under the Michigan Zoning Enabling Act, 2006 PA 110, MCL 125.3101, et seq., to revise the process for reviewing site plans and special use permit applications, alter the circumstances where an applicant is required to submit a site plan, and amend the process for accepting and reviewing special use permit applications for property located in the Township; in order to maintain the public health, safety, and welfare of the residents of Whitewater Township.

The Ordinance provides, in summary, a process for reviewing Site Plans and Special Use Permit applications, the elimination of the requirement that proposed uses or developments in certain Environmentally Sensitive Areas submit a Site Plan, and procedures and standards for the submission of Special Use Permit applications. The Ordinance contains the following sections and catch lines: Section 1: Amendment to Article XXV Section 25.10; Section 2: Amendment to Article XXV Section 25.11(A); Section 3: Amendment to Article XXV Section 4: Conflict and Interpretation; Section 5: Savings Clause; Section 6: Severability; Section 7: Effective Date which is seven days after publication of this notice of adoption.

Copies of the Zoning Ordinance Amendment may be obtained from Cheryl A. Goss, Whitewater Township Clerk, 5777 Vinton Road, Williamsburg, MI 49690 during normal business hours. A current version of the Township Zoning Ordinance incorporating this and prior amendments can be obtained during normal business hours from the Whitewater Township Zoning and Planning Office located at 5777 Vinton Road, Williamsburg, MI 49690.

The amendments to the Zoning Ordinance are effective 7 days after publication of this notice, subject to the Michigan Zoning Enabling Act.

Published by Order of the Township Board Whitewater Township, Grand Traverse County

Cheryl A. Goss, Clerk 5777 Vinton Rd Williamsburg, MI 49690

Publication Date: September 29, 2022

September 29, 2022-1T

591763

Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board

From: Ron Popp, Supervisor

CC: None

Date: 9-29-2022

Re: Township Hall Parking Lot Lights

Board Members -

Comments have been recently shared by neighbors about the replacement LED parking Lot light at the Township Hall. The fixture emits light in ways that are objectionable to neighbors and non-compliant with our Zoning Ordinance. To correct this problem a shield needs to be fitted to the fixture which will shade the light in a more downward direction. While confirming these observations, it was noted the other high pole parking lot light is operating intermittently. Rather than trouble shoot the decades old device, replacement with a new device is recommended.

Kuhns Electric replaced the first device so a shade and second replacement device quote was sought from them to facilitate matching products and compatibility of the shade option.

Motion #1: Motion to approve Kuhns Electric Proposal 22-117 for a new high pole parking lot light and two device lamp shades to focus light in a downward direction. Materials and installation not to exceed \$1,200.00.

Respectfully submitted

Supervisor, Whitewater Township

Kuhns Electric Inc P O Box 1506 Kalkaska, MI 49646

Phone # (231) 624-1007 cekuhns@sbcglobal.net

Estimate

Date	Estimate #
9/27/2022	2022-117

Name / Address
Whitewater Township
PO Box 159
Williamsburg MI 49690
S

Project

Description	Qty	Total
This estimate is for replacing 1 LED light and install 2 light shrouds.		1,179.34
Material 2 - light shrouds 1 - LED light 1 - pole mount kit		
Thank you for your business.	Total	\$1,179.34

Customer Signature	



Memo

To: Whitewater Township Board of Trustees

CC: None

Date: 9-29-2022

Re: Special Meeting – Discuss Boat Launch Expansion Updates

Board Members -

Today the Township received updated plans from Flies & Vanderbrink regarding the boat launch expansion project. Let's set a special meeting to discuss the new information. Please bring your calendars!

Respectfully submitted,

Supervisor, Whitewater Township

Whitewater Township

Engineer's Estimate of Probable Construction Cost** Whitwater Park Improvements - Phased Approach



Project: 842850 Date: 9/29/2022 By: rws

	BID PACKAGE 1 - BOAT LAUNCH & BASIC SITE WORK (GRASS OVERFLOW PARKING)					
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UN	IIT PRICE	 TIMATED MOUNT
1	General Conditions, Bonds, Insurance, and Mobilization (5% max)	Lsum	1	\$	16,000	\$ 16,000
2	Soil Erosion Control	Lsum	1	\$	5,000	\$ 5,000
3	Tree Removal	Lsum	1	\$	15,000	\$ 15,000
4	Miscellaneous Removals	Lsum	1	\$	5,000	\$ 5,000
5	Site Preparation & Grading	Lsum	1	\$	40,000	\$ 40,000
6	Conc. Pav't., 8 inch	Sft	2,115	\$	8	\$ 16,920
7	HMA, 13A	Ton	130	\$	120	\$ 15,600
8	HMA, 36A	Ton	130	\$	120	\$ 15,600
9	Geotextile Fabric	Syd	375	\$	5	\$ 1,875
10	A.R.E.A #4 Crushed Stone	Cyd	275	\$	60	\$ 16,500
11	4'x18'x8" Precast Concrete Planks - 3 Lanes	Ea	33	\$	1,800	\$ 59,400
12	Rubber Belt	Lsum	1	\$	1,800	\$ 1,800
13	Skid Pier	Ea	2	\$	15,000	\$ 30,000
14	Turbidity Curtain	Lsum	1	\$	4,000	\$ 4,000
15	CD3 Boat Wash	Lsum	1	\$	40,000	\$ 40,000
16	8" Aggregate Base - Boat Wash	Syd	400	\$	15	\$ 6,000
16	Slope Restoration - Grass Parking	Lsum	1	\$	35,000	\$ 35,000
17	Turf Establishment, Performance	Lsum	1	\$	5,000	\$ 5,000

	Subtotal	\$ 328,695
Continency**	20%	\$ 65,739
Phase 1 - Total Estimated Project Co	st (Rounded):	\$ 394,434

	GRAVEL PARKING PHASE 2							
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	J	UNIT PRICE		STIMATED AMOUNT	
1	General Conditions, Bonds, Insurance, and Mobilization (5% max)	Lsum	1	\$	5,000	\$	5,000	
2	8" Aggregate Base	Syd	9,600	\$	10	\$	96,000	
3	Drainage Structure, 4' Día	Ea	3	\$	2,000	\$	6,000	
4	Storm Sewer, 12 Inch	Ft	300	\$	50	\$	15,000	
5	Rip Rap	Syd	20	\$	100	\$	2,000	

Subto	tal \$	124,000
Continency** 25%	\$	31,000
Phase 2 - Total Estimated Project Cost (Rounde	d): \$	155,000

Additional Items - Future

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	υ	INIT PRICE	STIMATED AMOUNT
Α	CD3 Boat Wash	Lsum	1	\$	40,000	\$ 40,000
В	Boulder Wall	Ton	225	\$	50	\$ 11,250
С	4'x18'x8" Precast Concrete Planks - 1 Lane	Ea	11	\$	1,800	\$ 19,800
D	Ranger Station	Lsum	1	\$	60,000	\$ 60,000
Е	Conc. Pav't., 8 inch	Sft	200	\$	8	\$ 1,600
F	Conc. Sidewalk , 4 Inch	Sft	450	\$	5	\$ 2,250
G	Conc. Sidewalk with integral curb	Sft	320	\$	7	\$ 2,240
Н	Utilities - Ranger Station	Lsum	1	\$	10,000	\$ 10,000
					Subtotal	\$ 147.140

Continency** 30% \$ 44,142
Additional Items - Total Estimated Project Cost (Rounded): \$ 191,282

^{**}The Design Professional has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing. Bid prices may vary significantly based on these factors and market conditions at time of bid and are subject to supply chain delaws

delays.

Project bids are based on measurement and payment on a unit basis of items actually installed. Project elements may be scaled back

Know what's below.

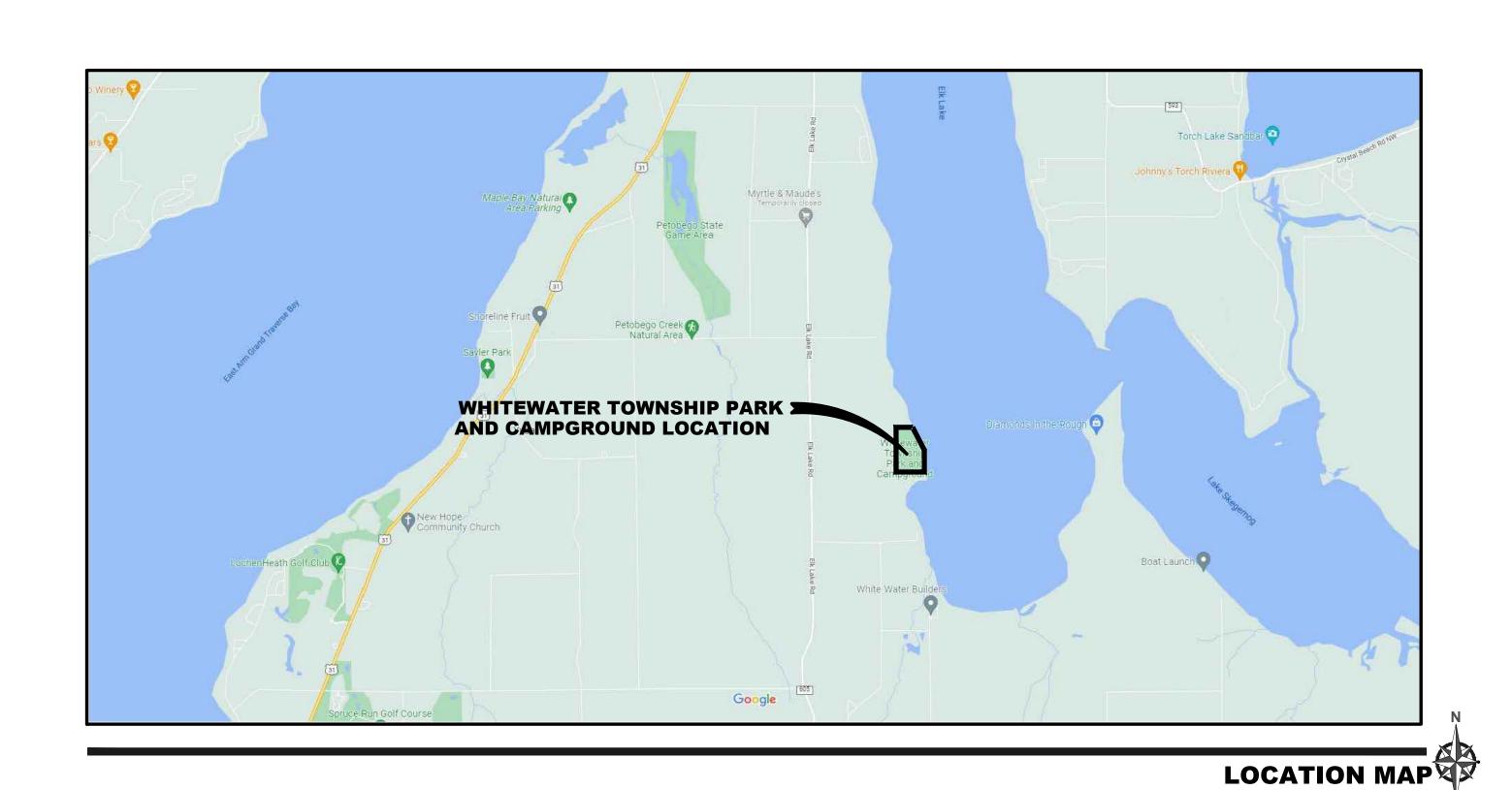
Call before you dig.

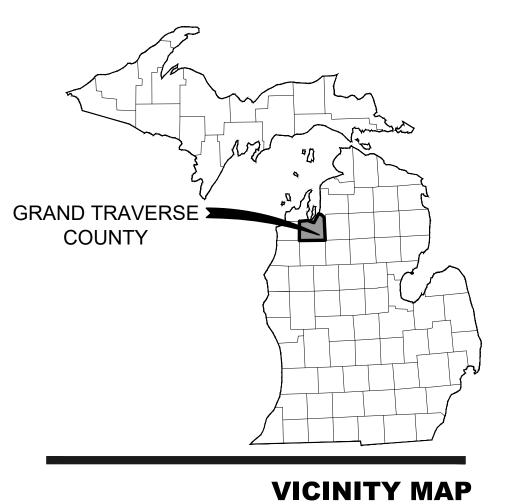
C100

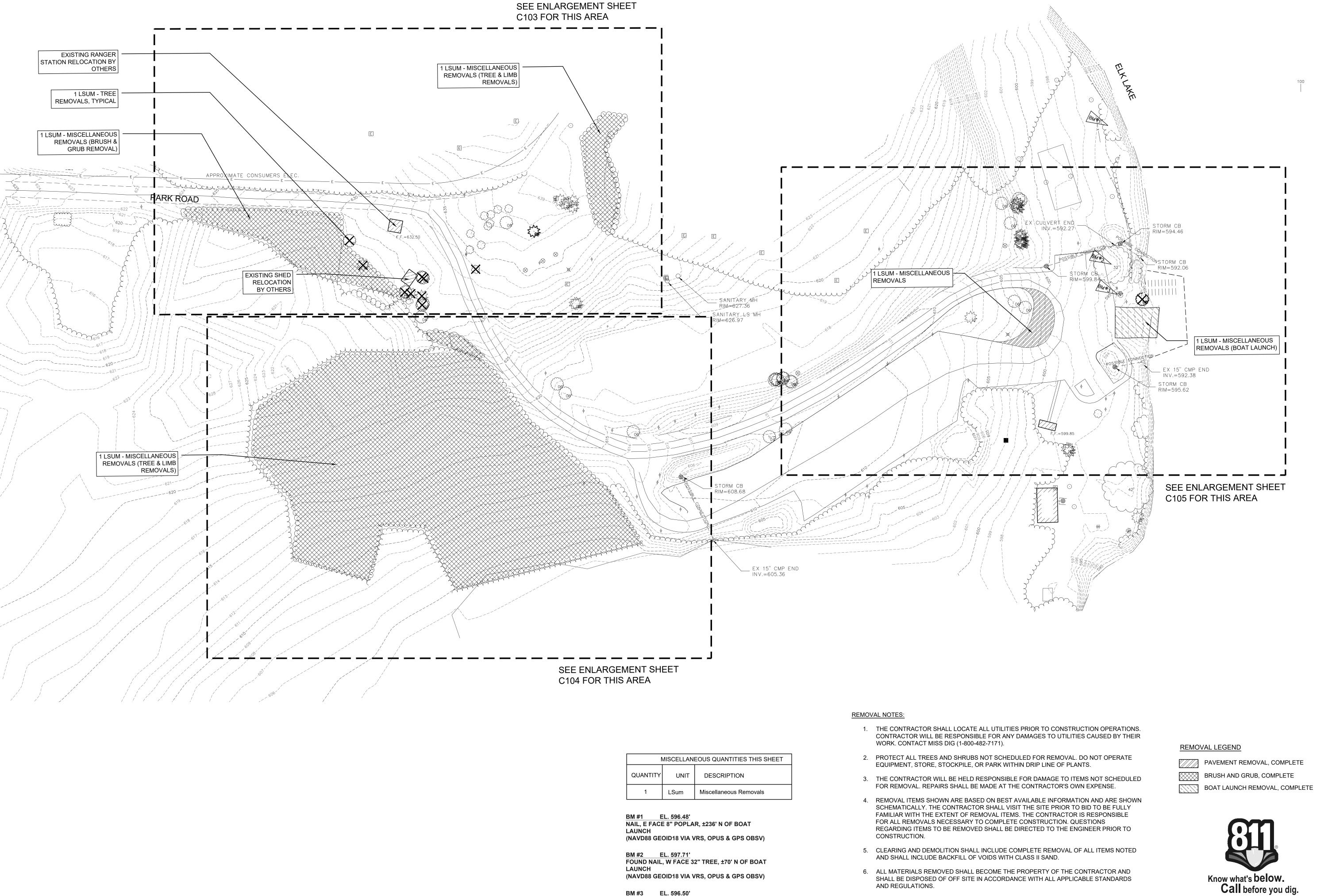
WHITEWATER TOWNSHIP GRAND TRAVERSE COUNTY, MICHIGAN IN COOPERATION WITH WATERWAYS GRANT PROGRAM MICHIGAN DEPARTMENT OF NATURAL RESOURCES FOR WHITEWATER TOWNSHIP PARK IMPROVEMENTS APRIL 2022

INDEX OF DRAWINGS

Sheet Title	Sheet Number
COVERSHEET	C100
OVERALL SITE & REMOVALS PLAN	C101
LAYOUT & GRADING PLAN - BOAT WASH	C102
LAYOUT & GRADING PLAN - RANGER STATION	C103
LAYOUT & GRADING PLAN - PARKING LOT	C104
LAYOUT & GRADING PLAN - BOAT RAMP	C105
DETAILS	C500
LAUNCH AREA ENLARGEMENT PLAN & DETAILS	C501
DETAILS	C502
DETAILS	C503







BM #3 EL. 596.50'

±30' N OF BOAT LAUNCH

DTE ENERGY GAS: CLEAR

TOP OF WEST MOST STEEL POST @ HYDRANT,

(NAVD88 GEOID18 VIA VRS, OPUS & GPS OBSV)

SITE WAS COVERED WITH 14+ INCHES OF SNOW AT TIME OF SURVEY

SITE IS SERVED BY UNDERGROUND ATT COMMUNICATIONS

603 Bay St, First Floor Traverse City, MI 49684 P: 231.932.8600 F: 231.932.8700

842850_C101 REMOVALS 092922 andrew.filler

SHALL BE DISPOSED OF OFF SITE IN ACCORDANCE WITH ALL APPLICABLE STANDARDS

PAVEMENTS AND CURB & GUTTER. ANY DAMAGE TO THESE ITEMS SHALL BE REPLACED

7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SIDEWALKS,

8. ALL REMOVALS ARE TO BE MADE TO A CLEAN SAW EDGE BY THE CONTRACTOR. ALL

9. SOIL EROSION MEASURES SUCH AS INLET PROTECTION DEVICES, SILT FENCE ARE THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING THE WORK AS WELL AS OBTAINING

SESC PERMIT FROM WHITEWATER TOWNSHIP. ALL MEASURES REQUIRED SHALL BE IN

LINES TO BE SMOOTH AND STRAIGHT WHENEVER POSSIBLE.

PLACE PRIOR TO COMMENCEMENT OF WORK BY CONTRACTOR.

AND REGULATIONS.

AT NO COST TO THE OWNER.

APRIL 2022 F&V PROJECT NO.

C101

N.548401.62 E.19419839.38

— Е —

627.00

APPROXIMATE CONSUMERS ELEC.

N.548360.26 E.19419820.44

Muniment Market Market

842850_C102 LAYOUT &

GRADING PLAN 092922 andrew.filler

APRIL 2022 F&V PROJECT NO. 842850

C102

BM #1 EL. 596.48' NAIL, E FACE 8" POPLAR, ±236' N OF BOAT LAUNCH (NAVD88 GEOID18 VIA VRS, OPUS & GPS OBSV)

BM #2 EL. 597.71' FOUND NAIL, W FACE 32" TREE, ±70' N OF BOAT LAUNCH (NAVD88 GEOID18 VIA VRS, OPUS & GPS OBSV)

BM #3 EL. 596.50' TOP OF WEST MOST STEEL POST @ HYDRANT, ±30' N OF BOAT LAUNCH (NAVD88 GEOID18 VIA VRS, OPUS & GPS OBSV)

SITE WAS COVERED WITH 14+ INCHES OF SNOW AT TIME OF SURVEY

SITE IS SERVED BY UNDERGROUND ATT COMMUNICATIONS DTE ENERGY GAS: CLEAR

GRADING NOTES:

ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.

THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.

MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS: CONCRETE SURFACES: 1.00% ASPHALT SURFACES: 1.25%

ADA NOTES:

MACHINERY.

THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.

GENERAL SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

IT IS THE CONTRCROR'S RESPONSIBILITY TO OBTAIN THE SOIL EROSION PERMIT FROM THE PROPER GOVERNING AUTHORITY. SOIL EROSION CONTROL METHODS SHOWN ARE A GUIDELINE AND DO NOT RELIEVE THE CONTRACTOR FROM ADDITIONAL METHODS THAT MAY BE REQUIRED BY THE SOIL EROSION CONTROL PERMIT.

THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AND COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR QUALITY STANDARDS.

A CONTRACTOR / INSPECTOR SHALL INSPECT THE SOIL EROSION/SEDIMENT CONTROL DEVICES ONCE EACH WEEK AND/OR WITHIN 24 HOURS OF A PRECIPITATION EVENT WHICH RESULTS IN A STORM DISCHARGE FROM THE SITE.

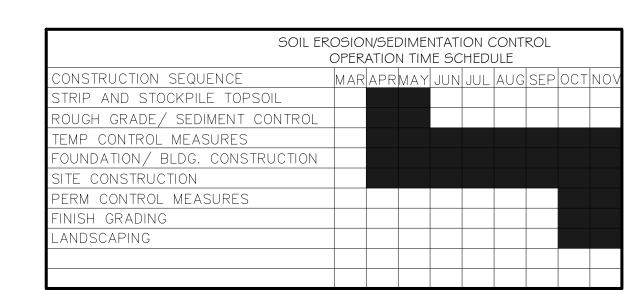
ALL DISTURBED NON-PAVEMENT AREAS MUST BE RESTORED WITH TOPSOIL, SEED, FERTILIZER, AND MULCH UNLESS SODDED. (SEE LANDSCAPE PLAN)

ALL SLOPES STEEPER THAN 1V:3H SHALL USE AN EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S150BN OR EQUAL). ALL SLOPES BETWEEN 1V:4H AND 1V:3H SHALL USE AN EROSION CONTROL BLANKET (NORTH AMERICAN GREEN

DS75 OR EQUAL). UNLESS INDICATED OTHERWISE ON PLANS. SILT FENCE SHALL BE TRENCHED IN, BACKFILLED, AND STAPLED OR STAKED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. MAINTENANCE INCLUDES THE REMOVAL OF BUILT-UP SEDIMENT WHEN THE SEDIMENT ACCUMULATES TO 1/3 TO 1/2 THE HEIGHT OF THE FENCE. CONTRACTOR SHALL REMOVE, REPLACE, RETRENCH, OR REBACKFILL THE FENCE IF IT FAILS. CONTRACTOR SHALL REINSTALL IF ANY PORTION OF THE FENCING IS DAMAGED BY CONSTRUCTION

DETENTION BASIN(S) SHALL THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL ACCUMULATED SEDIMENT AND RESTORATION OF THE BASIN PRIOR TO ACCEPTANCE BY THE [OWNER] [REGULATORY AGENCY].

THE CONTRACTOR WILL ENGAGE A CERTIFIED STORM WATER OPERATOR IN ACCORDANCE WITH EPA PHASE II RULES TO MEET REQUIREMENTS OF THE PERMIT.



		OSION AND SEDIMENTATION CONTROL MEASURES
KEY	DETAIL	CHARACTERISTICS
3	PERMANENT/ TEMPORARY SEEDING	INEXPENSIVE BUT EFFECTIVE EROSION CONTROL MEASURE TO STABILIZE FLAT AREAS AND MILD SLOPES. PERMITS RUNOFF TO INFILTRATE SOIL, REDUCING RUNOFF VOLUMES. PROPER PREPARATION OF THE SEED BED, FERTILIZATION, MULCHING AND WATERING IS CRITICAL TO ITS SUCCESS.
26	SILT FENCE	A PERMEABLE BARRIER ERECTED BELOW DISTURBED AREAS TO CAPTURE SEDIMENTS FROM SHEET FLOW. CAN BE SUED TO DIVERT SMALL VOLUMES OF WATER TO STABLE OUTLETS. INEFFECTIVE AS A FILTER AND NEVER BE PLACED ACROSS STREAMS OR DITCHES WHERE FLOW IS CONCENTRATED.
58	INLET PROTECTION FABRIC DROP	USE AT STORMWATER INLETS, ESPECIALLY AT CONSTRUCTION SITES.

QUANTITY	UNIT	DESCRIPTION
1	LSUM	General Conditions, Bonds and Insurance 5%Max
1	LSUM	Slope Restoration
1	LSUM	Turf Establishment, Performance
1	LSUM	Site Preparation & Grading
1	LSUM	Soil Erosion Control

N.548408.34

622.76

N.548380.95

N.548376.15 E.19419636.24

E 19419636.44

PARK ROAD

N 548386.88

E.19419691.20

E.19419688.96 N.548368.78 E.19419669.04

N 548367.02

N.548393.67 N.548391.37 E.19419573.41 E.19419626.88

N.548377.40 E.19419607.27

N.548310.26

E.19419608.37

N.548383.68 N.548381.38 E.19419572.98 E.19419626.45

19419591.76

N.548349.26

E.19419588.35

N.548311.2

E.19419584.9

E.19419562.99

N.548379.29

E 19419562.78

PROPOSED CD3 WATERLESS

BOAT WASH STATION

N.548396.37

E.19419510.47

N.548376.39

E.19419509.61 N.548375.53

E 19419529.59

1,300 SYD - 8" AGGREGATE BASE

PROPOSED GRADING & UTILITY LEGEND

871.2 PROP SPOT ELEVATION

OVERLAND FLOW DIRECTION

PROPOSED SITE LAYOUT LEGEND

SILT FENCE

CONCRETE SIDEWALK

BOULDER WALL



SPACING 6-10' MAX.

-ROLL JOINT

6" ANCHOR TRENCH

SILT FENCE B

ROLL JOINTS

UNDISTURBED VEGETATION



←6"x6" ANCHOR TRENCH

AROUND FENCE POST

- FENCE POSTS DRIVEN

INTO GROUND 1' MIN.

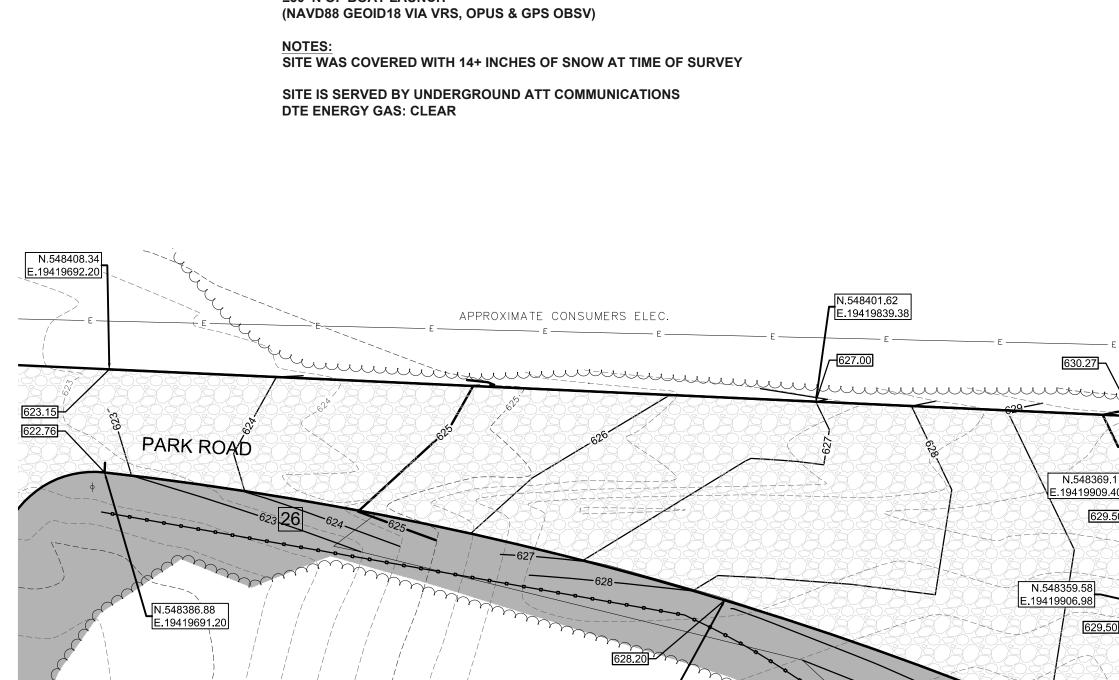
GEOTEXTILE FILTER

FABRIC FASTENED ON

UPHILL SIDE, TOWARDS EARTH DISRUPTION

RIDGE OF COMPACTED EARTH ON UPHILL SIDE

OF FILTER FABRIC



N.548360.26

E 19419820.44

GRADING NOTES:

ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.

THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.

MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS: CONCRETE SURFACES: 1.00% ASPHALT SURFACES: 1.25%

ADA NOTES:

THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG
WALKWAYS WITHIN THE ACCESSIBLE DATE OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.

GENERAL SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

IT IS THE CONTRCROR'S RESPONSIBILITY TO OBTAIN THE SOIL EROSION PERMIT FROM THE PROPER GOVERNING AUTHORITY. SOIL EROSION CONTROL METHODS SHOWN ARE A GUIDELINE AND DO NOT RELIEVE THE CONTRACTOR FROM ADDITIONAL METHODS THAT MAY BE REQUIRED BY THE SOIL EROSION CONTROL PERMIT.

THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AND COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR QUALITY STANDARDS.

A CONTRACTOR / INSPECTOR SHALL INSPECT THE SOIL EROSION/SEDIMENT CONTROL DEVICES ONCE EACH WEEK AND/OR WITHIN 24 HOURS OF A PRECIPITATION EVENT WHICH RESULTS IN A STORM DISCHARGE FROM THE SITE.

ALL DISTURBED NON-PAVEMENT AREAS MUST BE RESTORED WITH TOPSOIL, SEED, FERTILIZER, AND MULCH UNLESS SODDED. (SEE LANDSCAPE PLAN)

ALL SLOPES STEEPER THAN 1V:3H SHALL USE AN EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S150BN OR EQUAL). ALL SLOPES BETWEEN 1V:4H AND 1V:3H SHALL USE AN EROSION CONTROL BLANKET (NORTH AMERICAN GREEN DS75 OR EQUAL). UNLESS INDICATED OTHERWISE ON PLANS.

SILT FENCE SHALL BE TRENCHED IN, BACKFILLED, AND STAPLED OR STAKED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. MAINTENANCE INCLUDES THE REMOVAL OF BUILT-UP SEDIMENT WHEN THE SEDIMENT ACCUMULATES TO 1/3 TO 1/2 THE HEIGHT OF THE FENCE. CONTRACTOR SHALL REMOVE, REPLACE, RETRENCH, OR REBACKFILL THE FENCE IF IT FAILS. CONTRACTOR SHALL REINSTALL IF ANY PORTION OF THE FENCING IS DAMAGED BY CONSTRUCTION MACHINERY.

DETENTION BASIN(S) SHALL THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL ACCUMULATED SEDIMENT AND RESTORATION OF THE BASIN PRIOR TO ACCEPTANCE BY THE [OWNER] [REGULATORY AGENCY].

THE CONTRACTOR WILL ENGAGE A CERTIFIED STORM WATER OPERATOR IN ACCORDANCE WITH EPA PHASE II RULES TO MEET REQUIREMENTS OF THE PERMIT.

SOIL ER	OSIO OPER				ROL		
CONSTRUCTION SEQUENCE	MAR	1		1	SEP	ОСТ	NO
STRIP AND STOCKPILE TOPSOIL							
ROUGH GRADE/ SEDIMENT CONTROL							
TEMP CONTROL MEASURES							
FOUNDATION/ BLDG. CONSTRUCTION							
SITE CONSTRUCTION							
PERM CONTROL MEASURES							
FINISH GRADING							
LANDSCAPING							

		OSION AND SEDIMENTATION CONTROL MEASURES
KEY	DETAIL	CHARACTERISTICS
3	PERMANENT/ TEMPORARY SEEDING	INEXPENSIVE BUT EFFECTIVE EROSION CONTROL MEASURE TO STABILIZE FLAT AREAS AND MILD SLOPES. PERMITS RUNOFF TO INFILTRATE SOIL, REDUCING RUNOFF VOLUMES. PROPER PREPARATION OF THE SEED BED, FERTILIZATION, MULCHING AND WATERING IS CRITICAL TO ITS SUCCESS.
26	SILT FENCE	A PERMEABLE BARRIER ERECTED BELOW DISTURBED AREAS TO CAPTURE SEDIMENTS FROM SHEET FLOW. CAN BE SUED TO DIVERT SMALL VOLUMES OF WATER TO STABLE OUTLETS. INEFFECTIVE AS A FILTER AND NEVER BE PLACED ACROSS STREAMS OR DITCHES WHERE FLOW IS CONCENTRATED.
58	INLET PROTECTION FABRIC DROP	USE AT STORMWATER INLETS, ESPECIALLY AT CONSTRUCTION SITES.

1000 SFT - CONC. PAV'T, 8 INCH |

N 548365 50 E 19419956 91

N 548345.5

N.548369.1

N.548359.58

E.19419906.98

N.548332.97

INTEGRAL CURB

MATCHLINE C102

450 SFT - CONC. SIDEWALK, 4 INCH

320 SFT - CONC. SIDEWALK WITH

NEW RANGER STATION BY

OTHERS, COMPLETE

E.19419895.01

629.50

629.50

N.548391.81

E.19419993.46

DUMPSTERS BY OTHERS

633.45

N.548362.92

E.19419990.82

MISCELLANEOUS QUANTITIES THIS SHEET							
QUANTITY	UNIT	DESCRIPTION					
1	LSUM	General Conditions, Bonds and Insurance 5%Max					
1	LSUM	Slope Restoration					
1	LSUM	Turf Establishment, Performance					
1	LSUM	Site Preparation & Grading					
1	LSUM	Soil Erosion Control					

3,978 SYD - 8" AGGREGATE BASE

N.548394.67

150 TON - BOULDER WALL

N.548335.3

E.19420027.76

E.19420067.67

E.19420057.16

PROPOSED GRADING & UTILITY LEGEND

871.2 PROP SPOT ELEVATION

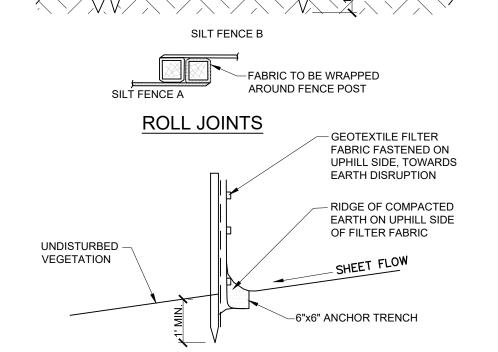
OVERLAND FLOW DIRECTION

BOULDER WALL

PROPOSED SITE LAYOUT LEGEND

CONCRETE SIDEWALK

SILT FENCE



N.548472.1

E.19420202.13

E.19420172.55

N.548348.48 E.19420184.80

N.548303.63

E.19420161.41

FUTURE GATES & ISLAND BY OTHERS

SHED RELOCATION - BY OTHERS

SPACING 6-10' MAX.

-ROLL JOINT

6" ANCHOR TRENCH

E.19420138.87

637.09

E 19420164.1

N.548367.5

N.548360.44 E.19420076.07

N 548308.82

637.49

636.24

636.49

635.76

N.548327.21

E.19420206.75

EXISTING DUMP STATION TO

- FENCE POSTS DRIVEN

INTO GROUND 1' MIN.

N 548419.78

E.19420219.23

N.548452.22 E.19420220.19

N.548438.41

E.19420215.09

Know what's below.

Call before you dig. SILT FENCE

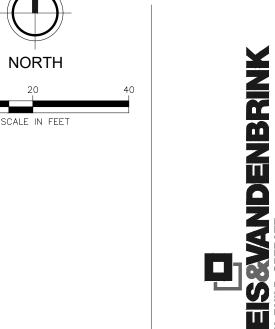
603 Bay St, First Floor Traverse City, MI 49684 P: 231.932.8600 F: 231.932.8700

842850_C103 LAYOUT &

GRADING PLAN 092922 andrew.filler

> **APRIL 2022** F&V PROJECT NO. 842850

C103



603 Bay St, First Floor Traverse City, MI 49684 P: 231.932.8600

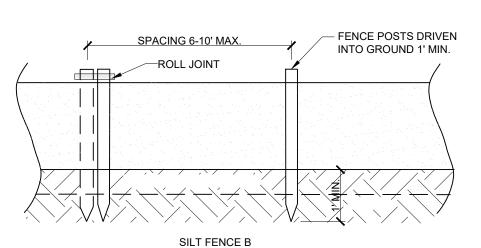
F: 231.932.8700

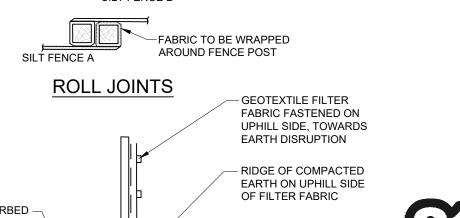
WHITEWATER TOWNSF 9500, PARK RD, WILLIAMSBURG VNSHIP PARK IMPROVEMEN

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES DETAIL **CHARACTERISTICS** INEXPENSIVE BUT EFFECTIVE EROSION CONTROL MEASURE TO STABILIZE FLAT AREAS AND MILD SLOPES. ERMITS RUNOFF TO INFILTRATE SOIL, REDUCING RUNOFF PROPER PREPARATION OF THE SEED BED, FERTILIZATION, TEMPORARY SEEDING MULCHING AND WATERING IS CRITICAL TO ITS SUCCESS. A PERMEABLE BARRIER ERECTED BELOW DISTURBED AREAS TO CAPTURE SEDIMENTS FROM SHEET FLOW. CAN BE SUED TO DIVERT SMALL VOLUMES OF WATER TO INEFFECTIVE AS A FILTER AND NEVER BE PLACED ACROSS STREAMS OR DITCHES WHERE FLOW IS CONCENTRATED. SILT FENCE USE AT STORMWATER INLETS, ESPECIALLY AT CONSTRUCTION

	SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE										
CONSTRUCTION SEQUENCE	MAR						SEP	OCT	NOV		
STRIP AND STOCKPILE TOPSOIL											
ROUGH GRADE/ SEDIMENT CONTROL											
TEMP CONTROL MEASURES											
FOUNDATION/ BLDG. CONSTRUCTION											
SITE CONSTRUCTION											
PERM CONTROL MEASURES											
FINISH GRADING											
LANDSCAPING											

INLET PROTECTION FABRIC DROP





UNDISTURBED — VEGETATION -6"x6" ANCHOR TRENCH

SILT FENCE

Know what's below.

Call before you dig.

C104

DESIGN PROJ MNGR: RS
DESIGNED BY: AF / RS
DRAWN BY: AF

842850_C104 LAYOUT &

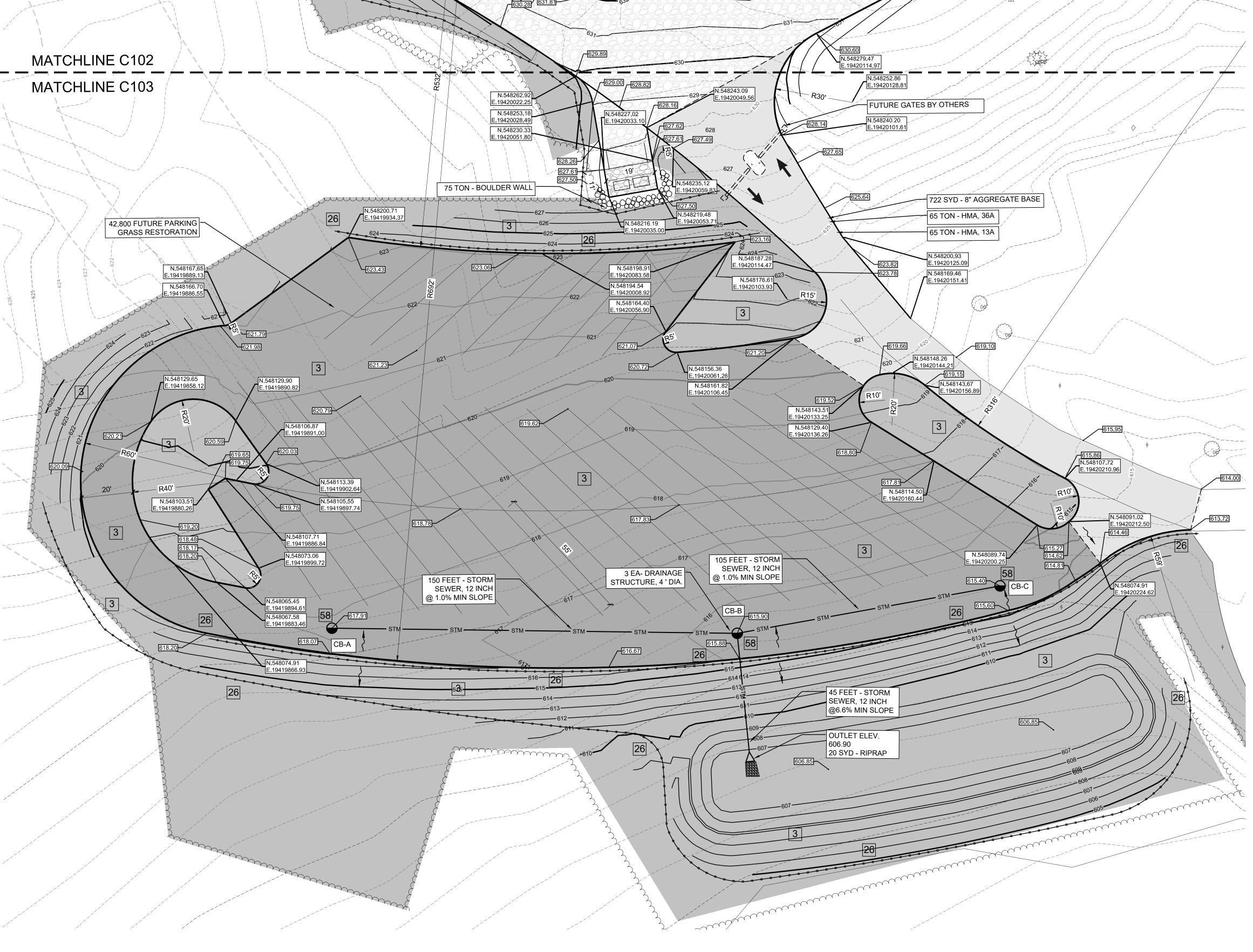
GRADING PLAN

APRIL 2022

F&V PROJECT NO.

842850

092922 andrew.filler



STORM SEWER STRUCTURE TABLE

CB-A 4'Ø CONC. CB RIM= 617.90 12" INV. SE =613.00 SUMP= 612.00

THE FOLLOWING COVERS ARE TO BE USED:

CATCH BASIN: PARKING AREA - EJIW #1045Z1-M1

CB-B: 4'Ø CONC. CB RIM= 615.70 12" INV. E = 610.50 12" INV. W = 610.50 12" INV. S = 610.20 SUMP= 608.70

CB-C: 4'Ø CONC. CB RIM= 615.40 12 " INV. W = 611.70 SUMP= 609.70

BM #1 EL. 596.48' NAIL, E FACE 8" POPLAR, ±236' N OF BOAT (NAVD88 GEOID18 VIA VRS, OPUS & GPS OBSV)

BM #2 EL. 597.71' FOUND NAIL, W FACE 32" TREE, ±70' N OF BOAT LAUNCH (NAVD88 GEOID18 VIA VRS, OPUS & GPS OBSV)

BM #3 EL. 596.50' TOP OF WEST MOST STEEL POST @ HYDRANT, ±30' N OF BOAT LAUNCH (NAVD88 GEOID18 VIA VRS, OPUS & GPS OBSV)

DTE ENERGY GAS: CLEAR

SITE WAS COVERED WITH 14+ INCHES OF SNOW AT TIME OF SURVEY SITE IS SERVED BY UNDERGROUND ATT COMMUNICATIONS

MISCELLANEOUS QUANTITIES THIS SHEET QUANTITY UNIT DESCRIPTION LSUM General Conditions, Bonds and Insurance 5%Max LSUM Slope Restoration LSUM Turf Establishment, Performance LSUM Site Preparation & Grading LSUM Soil Erosion Control

PROPOSED GRADING & UTILITY LEGEND

871.2 PROP SPOT ELEVATION

OVERLAND FLOW DIRECTION SILT FENCE

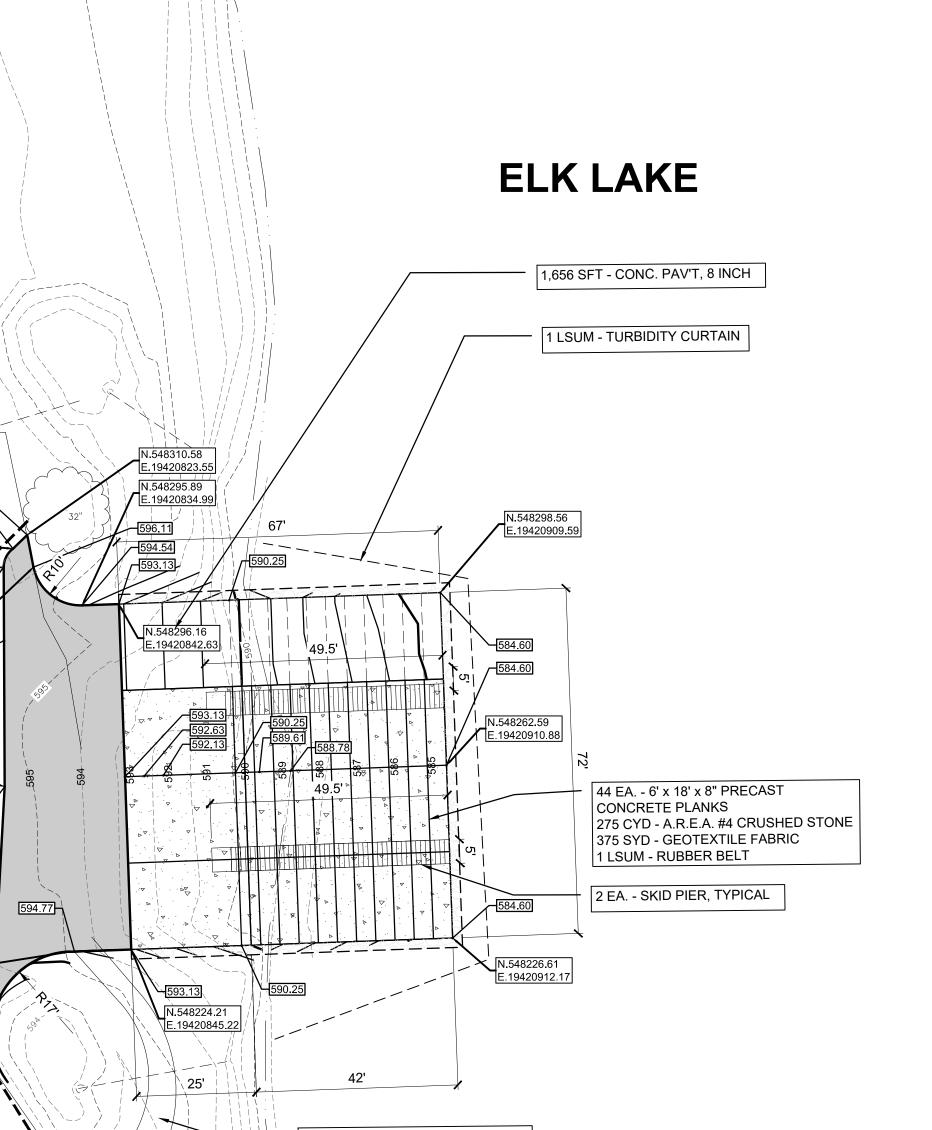
PROPOSED SITE LAYOUT LEGEND CONCRETE SIDEWALK

BOULDER WALL

842850_C105 LAYOUT & GRADING PLAN 092922 andrew.filler

APRIL 2022 F&V PROJECT NO. 842850

C105



MISCELLANEOUS QUANTITIES THIS SHEET								
QUANTITY	UNIT	DESCRIPTION						
1	LSUM	General Conditions, Bonds and Insurance 5%Max						
1	LSUM	Slope Restoration						
1	LSUM	Turf Establishment, Performance						
1	LSUM	Site Preparation & Grading						
1	LSUM	Soil Erosion Control						

PROPOSED GRADING & UTILITY LEGEND

871.2 PROP SPOT ELEVATION OVERLAND FLOW DIRECTION

PROPOSED SITE LAYOUT LEGEND

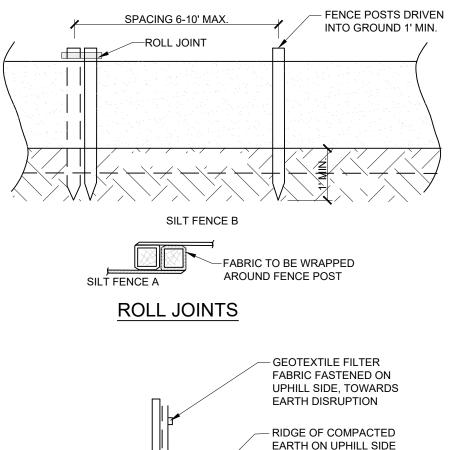
SILT FENCE

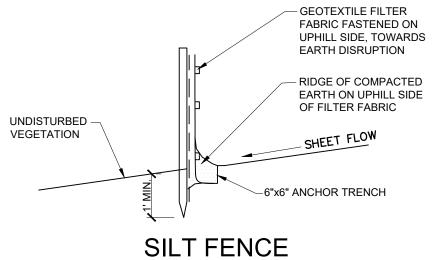
CONCRETE SIDEWALK

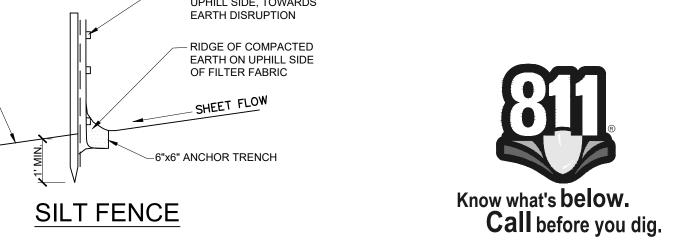
BOULDER WALL

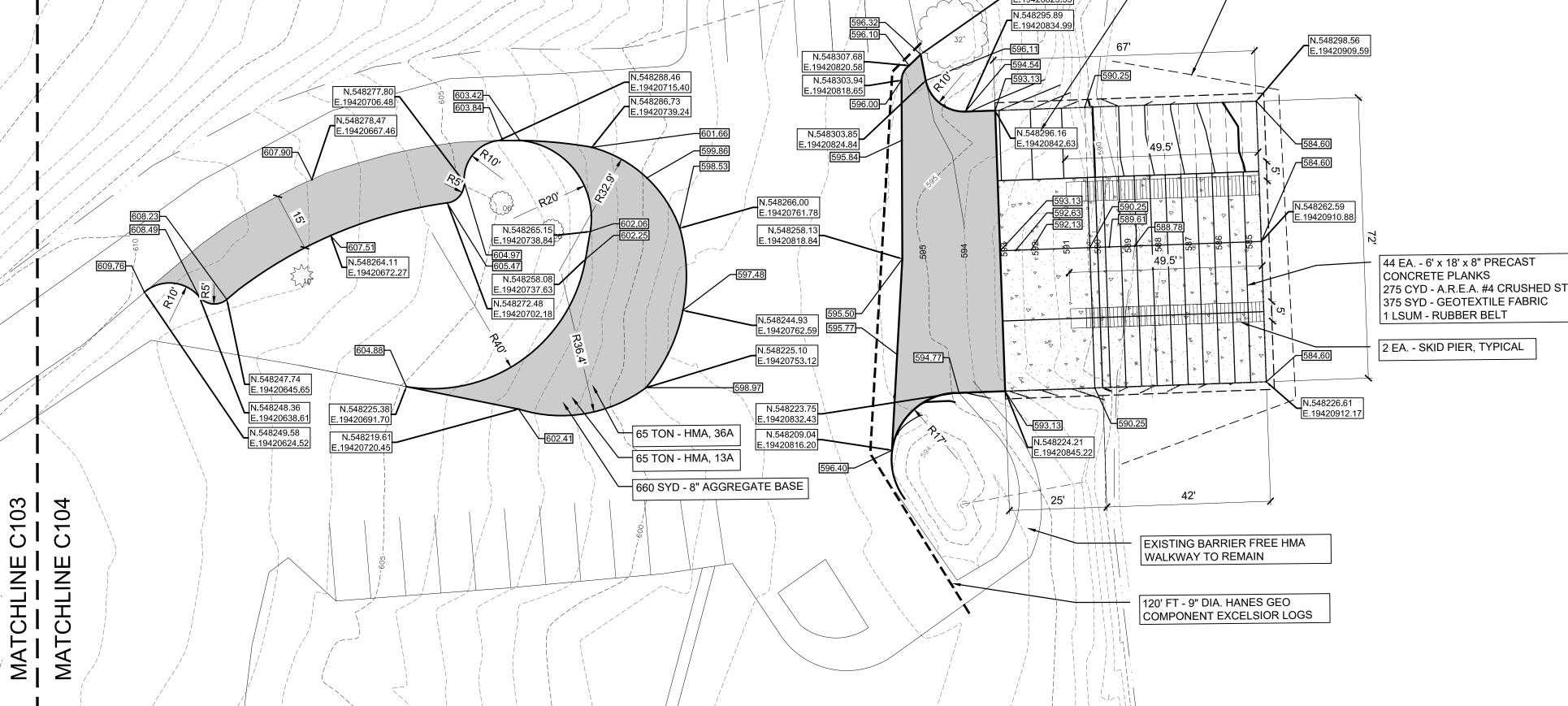
		OSION AND SEDIMENTATION CONTROL MEASURES
KEY	DETAIL	CHARACTERISTICS
3	PERMANENT/ TEMPORARY SEEDING	INEXPENSIVE BUT EFFECTIVE EROSION CONTROL MEASURE TO STABILIZE FLAT AREAS AND MILD SLOPES. PERMITS RUNOFF TO INFILTRATE SOIL, REDUCING RUNOFF VOLUMES. PROPER PREPARATION OF THE SEED BED, FERTILIZATION, MULCHING AND WATERING IS CRITICAL TO ITS SUCCESS.
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58	INLET PROTECTION FABRIC DROP	USE AT STORMWATER INLETS, ESPECIALLY AT CONSTRUCTION SITES.

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE										
CONSTRUCTION SEQUENCE	MAR		1				SEP	ОСТ	NOV	
STRIP AND STOCKPILE TOPSOIL										
ROUGH GRADE/ SEDIMENT CONTROL										
TEMP CONTROL MEASURES										
FOUNDATION/ BLDG. CONSTRUCTION										
SITE CONSTRUCTION										
PERM CONTROL MEASURES										
FINISH GRADING										
LANDSCAPING										



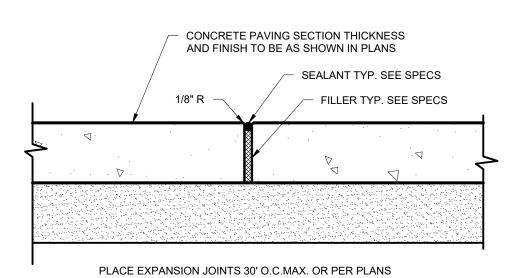






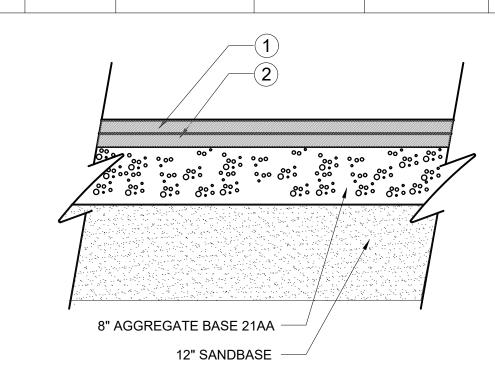
REVIEW CONTROL JOINT SPACING WITH ENGINEER PRIOR TO COMMENCEMENT OF SAW CUTTING. ALL SIDEWALK TO BE CUT 6' O.C.OR 8' O.C. TO MATCH WALK WIDTH

SAWCUT CONTROL JOINT DETAIL

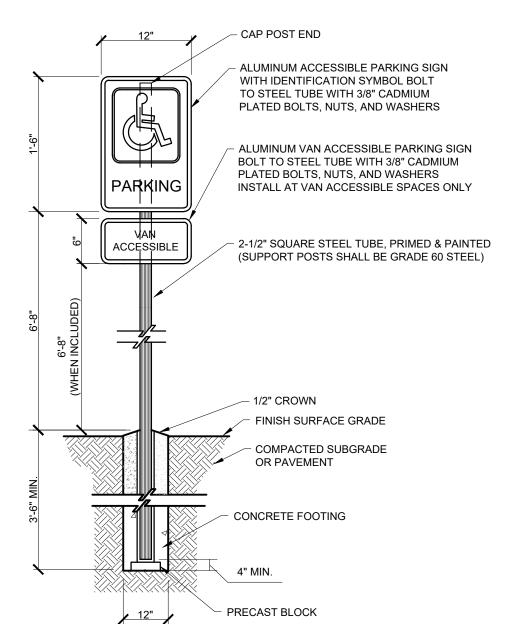


EXPANSION JOINT DETAIL NOT TO SCALE

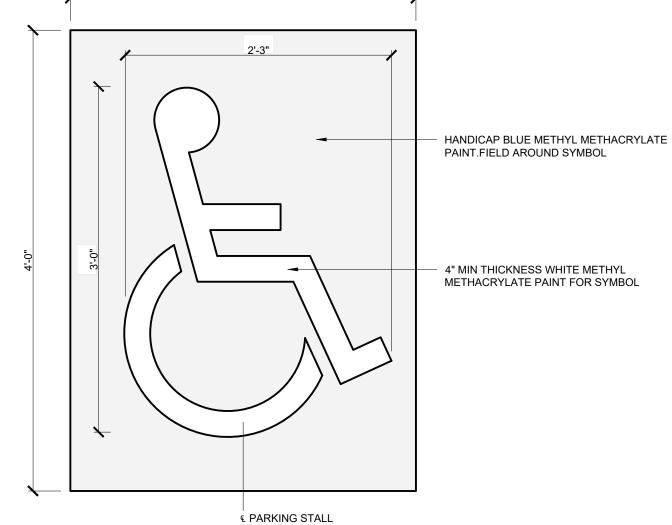
PARKING PAVEMENT DETAIL - HMA APPLICATION TABLE					
COURSE	TYPE	ITEM	EST. YIELD	PERFORMANCE GRADE	ASPHALT VISCOSITY
1	SURFACE	HMA,13A	165#/SYD	58-28	AC-10
2	BASE	HMA, 36A	165#/SYD	58-28	AC-10



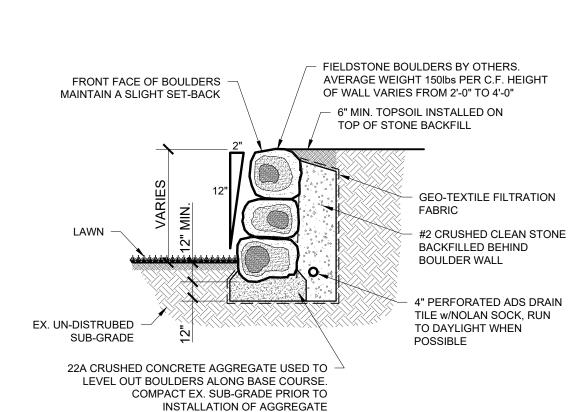
TYPICAL HMA PARKING PAVEMENT SECTION NOT TO SCALE





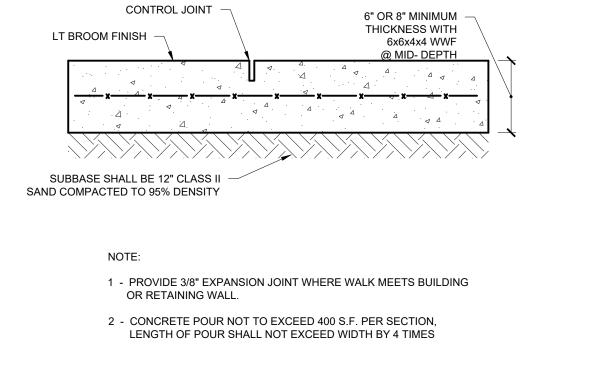




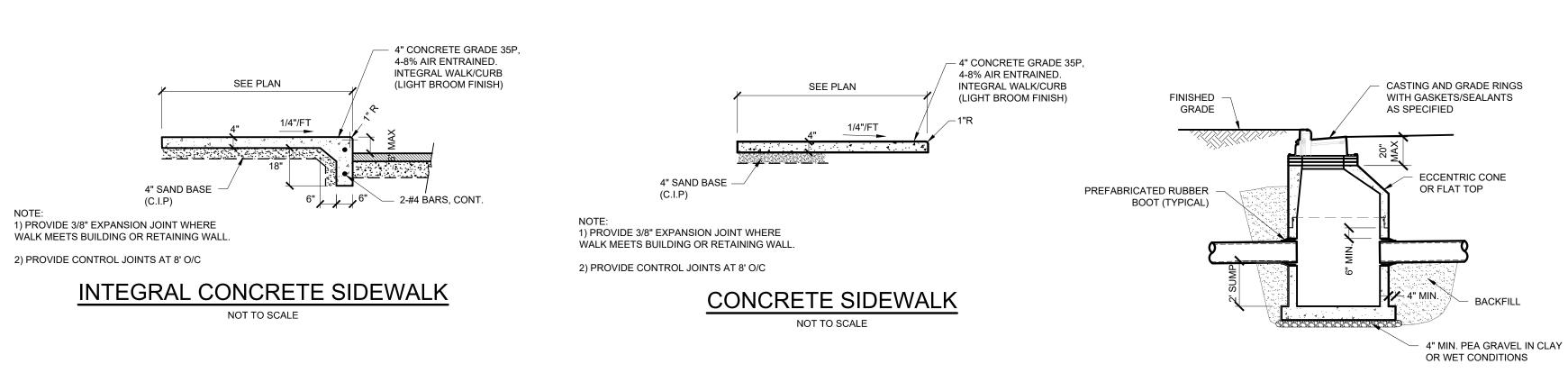


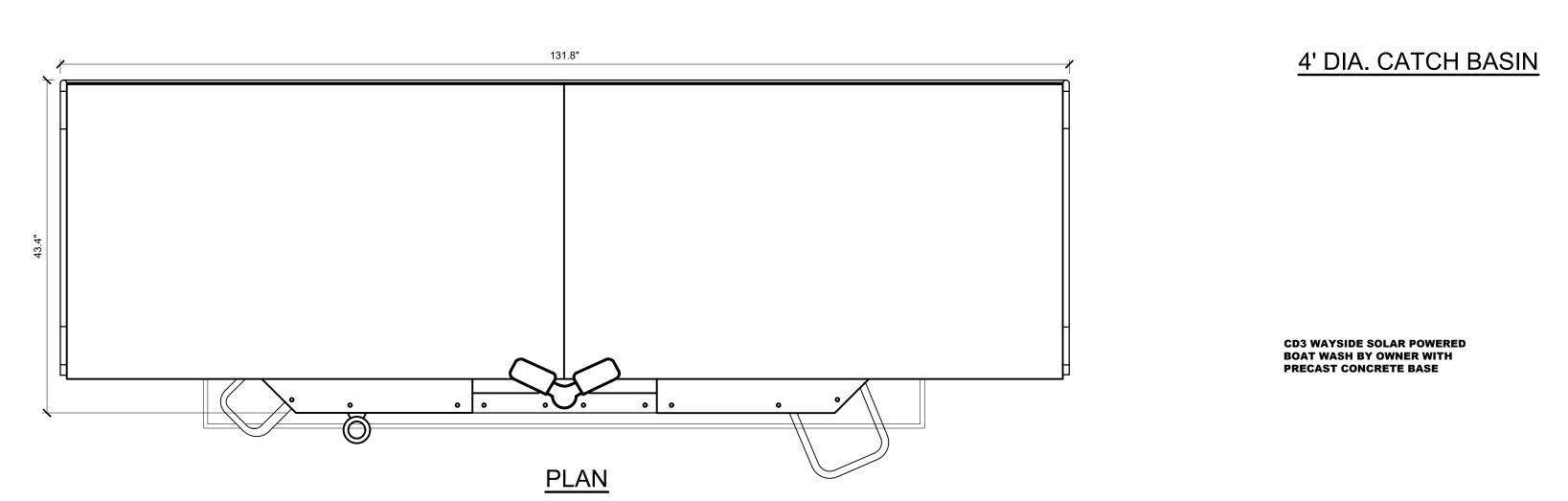
INSTALLATION OF AGGREGATE **BOULDER WALL SECTION**

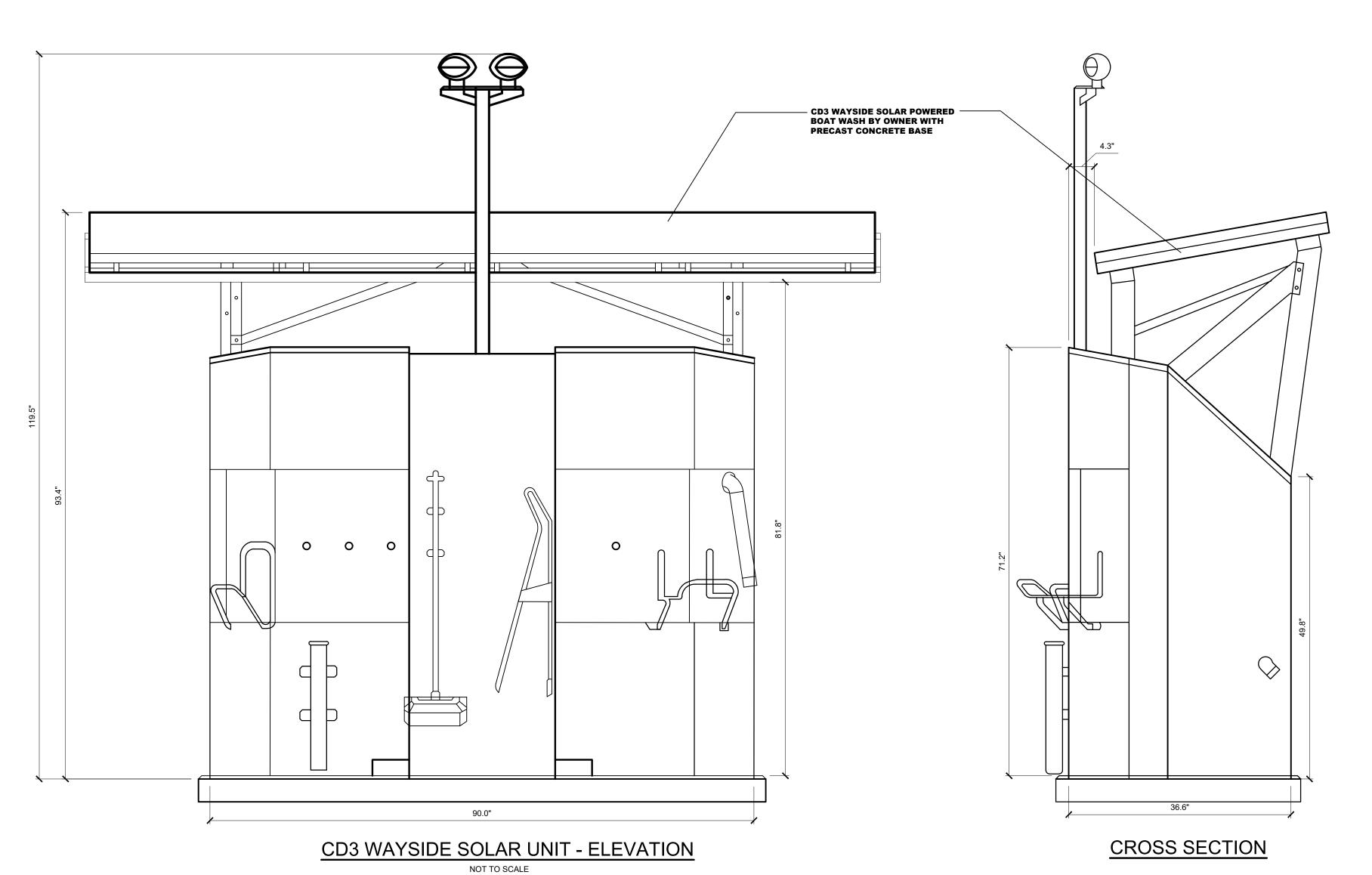
SCALE: NOT TO SCALE



CONCRETE PAVEMENT **CROSS SECTION**







603 Bay St, First Floor Traverse City, MI 49684 P: 231.932.8600 F: 231.932.8700

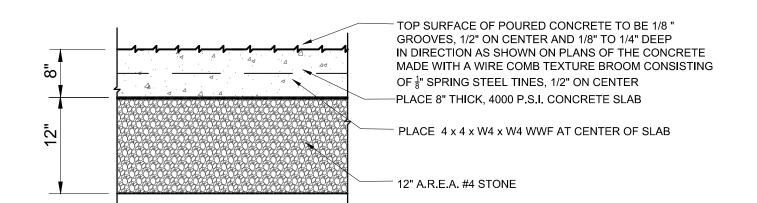
PROJ MNGR: RS
DESIGNED BY: AF / RS
DRAWN BY: AF 842850_C500 DETAILS

092922 andrew.filler

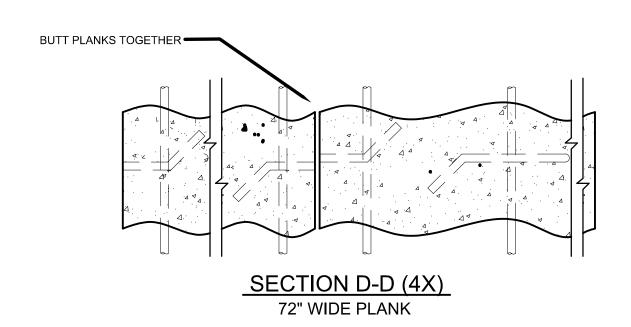
APRIL 2022 F&V PROJECT NO.

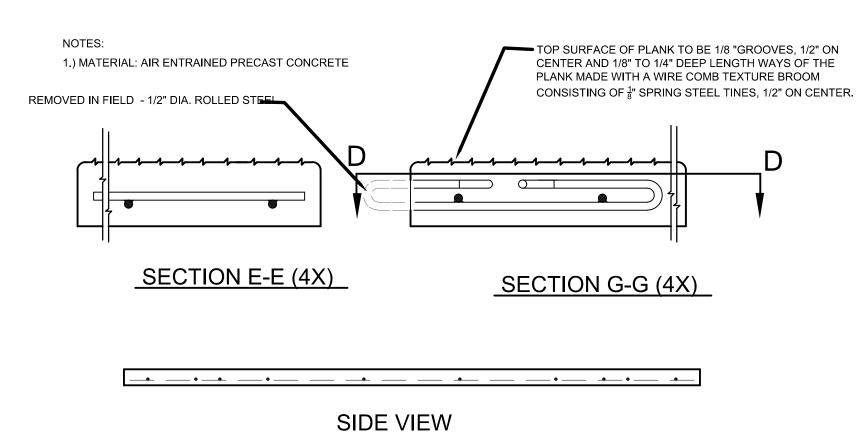
C500

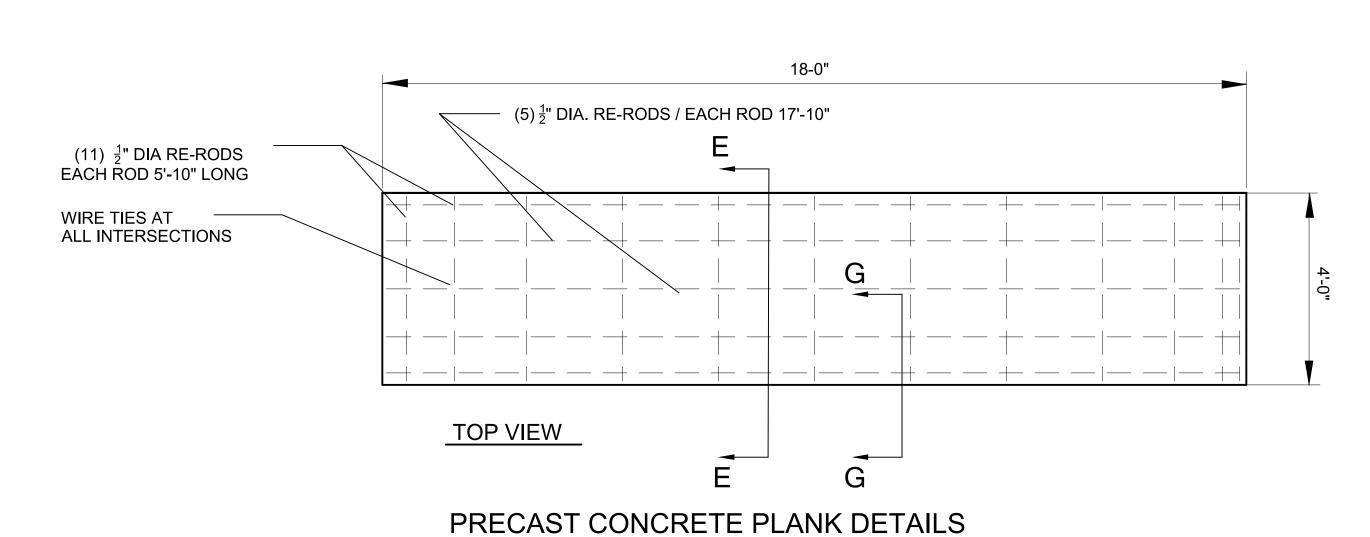
842850

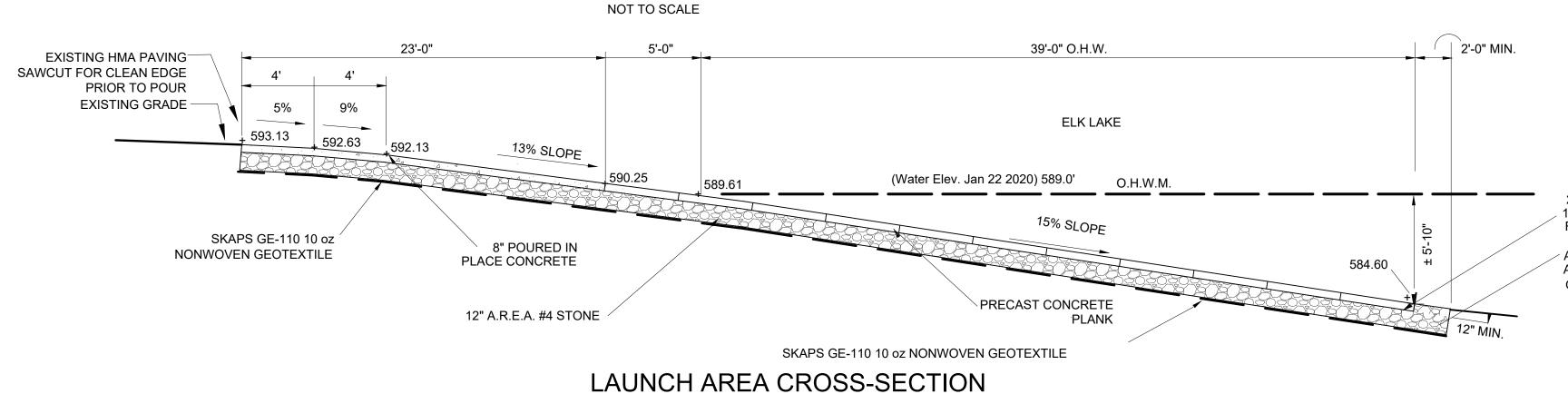


8" POURED IN PLACE CONCRETE SECTION

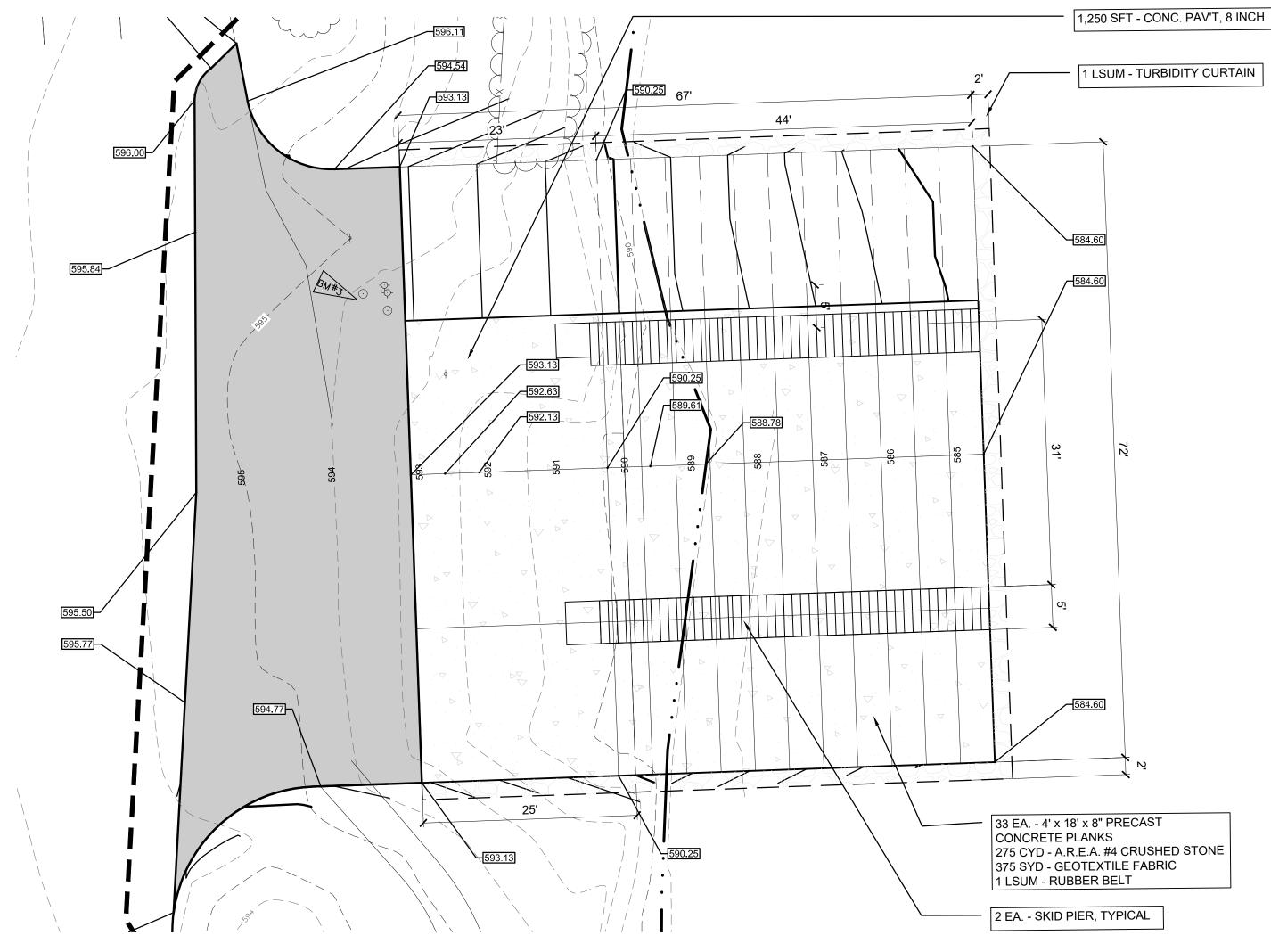




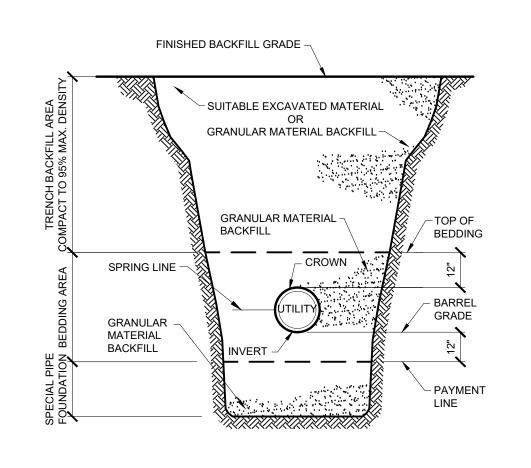




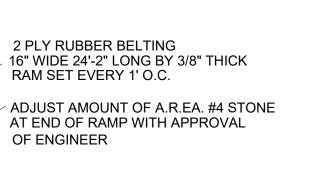
SCALE: 1" =5'



LAUNCH AREA ENLARGEMENT PLAN







GRANULAR BACKFILL COMPACTED

SHAPE FOR BARREL OF PIPE

METHOD I

APPROVED BACKFILL PLACED AND COMPACTED A MINIMUM OF 24 HOURS AFTER PLACING CONCRETE

CRADLE

NOTES: 1. METHOD I: IN AREAS OF UNCONSOLIDATED SOILS (SAND), GRAVEL, ETC.) 2. METHOD I: IN AREAS OF CONSOLIDATED SOILS (SAND), GRAVEL, ETC.) 2. METHOD II: IN AREAS OF CONSOLIDATED SOILS (SAND), GRAVEL, ETC.) 3. METHOD II: IN AREAS OF UNCONSOLIDATED SOILS (SAND), GRAVEL, ETC.) 3. METHOD II: IN AREAS INDICATED ON DRAWINGS

METHOD III

METHOD III

DIRECTION OF FLOW

METHODS OF BEDDING GRAVITY PIPE

FLEIS&VANDENBRIN
DESIGN. BUILD. OPERATE.

603 Bay St, First Floor Traverse City, MI 49684 P: 231.932.8600 F: 231.932.8700

WHITEWATER TOWNSH
9500, PARK RD, WILLIAMSBURG
OWNSHIP PARK IMPROVEMEN
ENLARGEMENT PLAN & DETAI

DESIGN TEAM: PROJ MNGR: R DESIGNED BY: AF / R DRAWN BY: A

AUNCH

DESIGN TEAM:

DESIGNED BY: AF / RS DRAWN BY: AF CHECK BY:

842850_C501 DETAILS

092922 andrew.filler

APRIL 2022

F&V PROJECT NO.

842850

C501

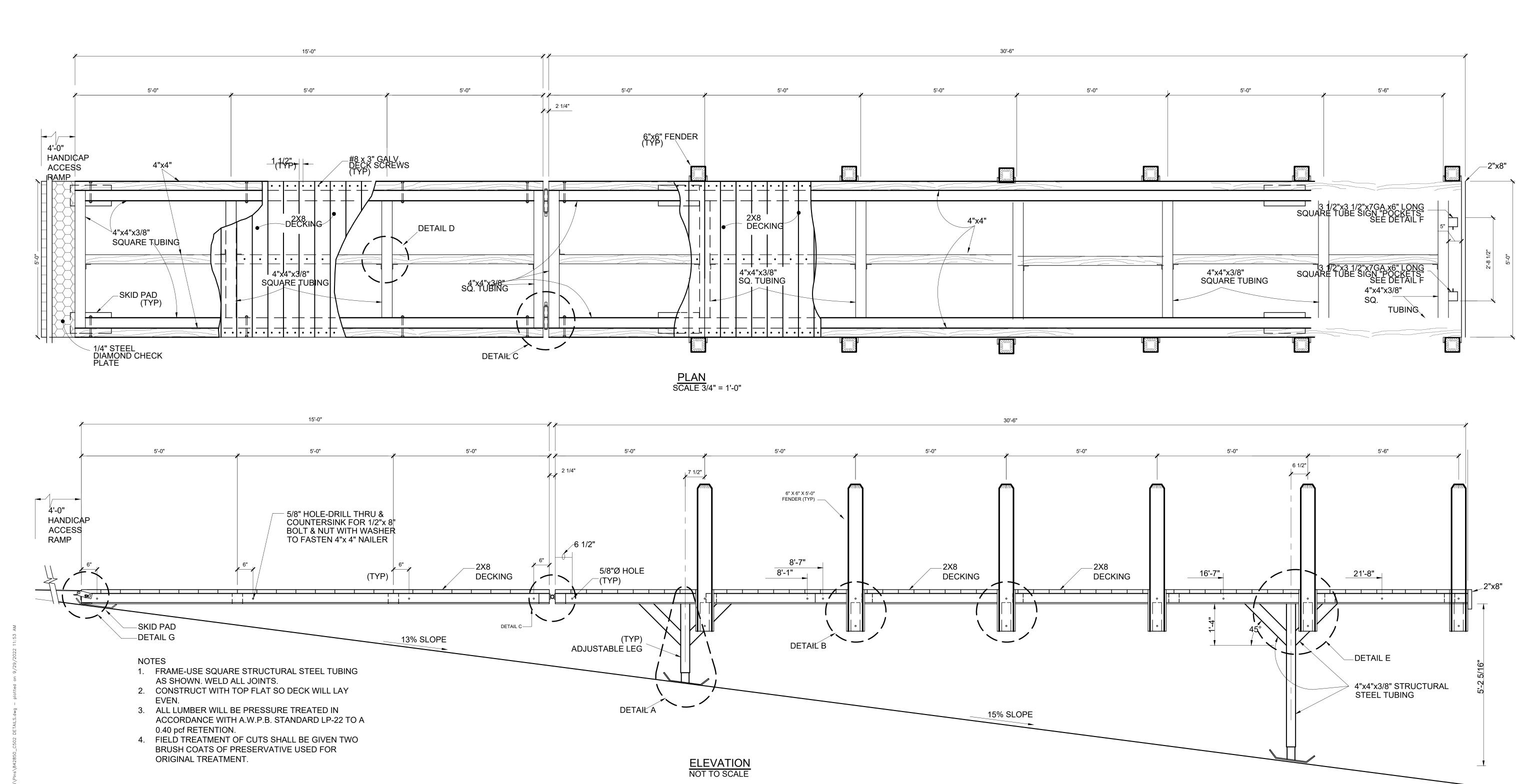
WHITEWATER TOWNSHIP
9500, PARK RD, WILLIAMSBURG, MI
R TOWNSHIP PARK IMPROVEMENTS
DETAILS

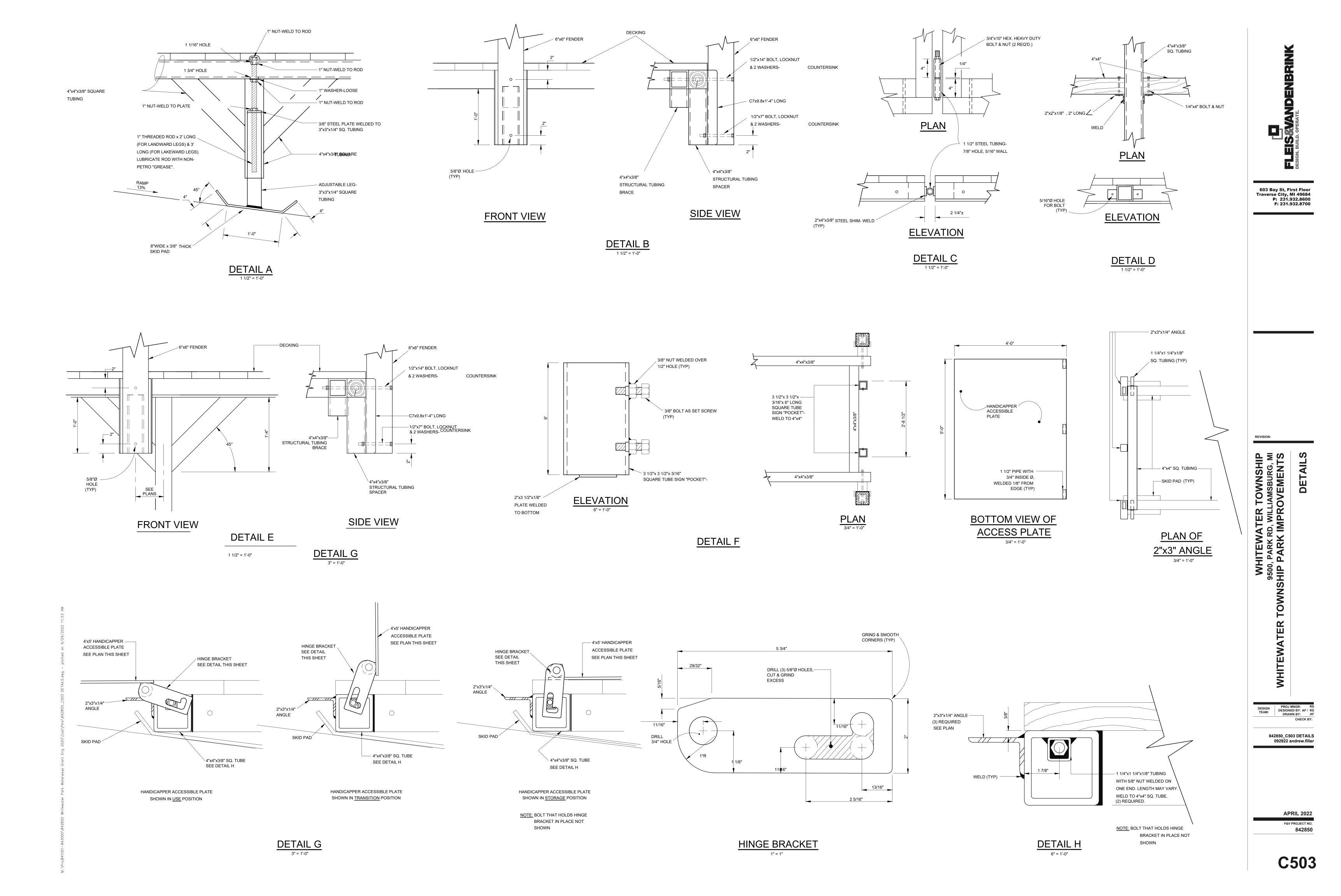
DESIGN PROJ MNGR: RS
DESIGNED BY: AF / RS
DRAWN BY: AF

842850_C502 DETAILS 092922 andrew.filler

APRIL 2022 F&V PROJECT NO. 842850

C502





Office of the Whitewater Township Supervisor

Memo

To: Whitewater Township Board

From: Ron Popp, Supervisor

CC: None

Date: 9.28.2022

Re: Mid-Year Budget Discussion/Project Update

Whitewater Township Board,

Earlier in the year the Board received a suggestion via public comment to schedule a mid-year budget review and project update work session. Whitewater Township's fiscal year begins April 1, and ends March 31, of the following year. That puts October about mid-year.

This business item is to determine the Board's interest in such a work session and to possibly schedule the event.

No motion is made at this time pending further board direction.

Please bring your scheduling calendar.

Thank you.

Ron Popp

Supervisor, Whitewater Township