

Village of Mukwonago
Notice of Meeting and Agenda

REGULAR VILLAGE BOARD MEETING
Wednesday, May 15, 2024

Time: **6:30 pm**

Place: **Mukwonago Municipal Building/ Board Room, 440 River Crest Court,
Mukwonago, WI 53149**

1. Call to Order

2. Roll Call

3. Pledge of Allegiance

4. Comments from the Public

The Public Comment Session shall last no longer than fifteen (15) minutes and individual presentations are limited to three (3) minutes per speaker. These time limits may be extended at the discretion of the Chief Presiding Officer. The Village Board may have limited discussion on the information received, however, no action will be taken on issues raised during the Public Comment Session unless they are otherwise on the Agenda for that meeting. Public comments should be addressed to the Village Board as a body. Presentations shall not deal in personalities personal attacks on members of the Village Board, the applicant for any project or Village employees. Comments, questions and concerns should be presented in a respectful professional manner. Any questions to an individual member of the Commission or Staff will be deemed out of order by the Presiding Officer.

5. Presentations

5.1 Presentation from The Mukwonago Historical Society
[LivePresentationViillage2023.pdf](#)

5.2 Introduction of Mason Stebnitz, Management Analyst/Intern

6. Proclamations

6.1 A Proclamation in honor of Emergency Medical Services Personnel Week May 19 - 25, 2024 in the Village of Mukwonago.
[PROCLAMATION EMS Week 2024.pdf](#)

6.2 A Proclamation honoring National Public Works Week May 19-25, 2024 in the Village of Mukwonago.
[PROCLAMATION Public Works Week 2024.pdf](#)

7. Consent Agenda

All items listed are considered routine and/or have been unanimously recommended by the Committee of the Whole and will be enacted by one motion. There will be no separate discussion of these items unless a Board member so requests, in which event the item will be removed from the Consent agenda and be considered on the regular agenda.

7.1 Approve Accounts Payable Vouchers in the amount of \$916,317.22.

- 7.2 Approve **Resolution 2024-26** A Resolution designating Public Depositories
[RESOLUTION 2024-26 \(Designating Depositories\).docx](#)
- 7.3 Approve **Resolution 2024-27** a Resolution designating the official posting and notice publications.
[RESOLUTION 2024-27 \(Posting Publication and Newspaper designation\).docx](#)
- 7.4 Approve a special event permit for Memorial Day Parade May 27 2024 from Mukwonago Community American Legion Post #375, applicant.
[May-27-2024 Memorial Day Parade_Redacted.pdf](#)
- 7.5 Approve a Special Event Permit for Mukwonago Community Library, June 8,2024 at Washington Avenue Park. Library will be hosting its Summer Library Program Kick-Off from 10:00am to 1:00pm.
[MCL Special Event Permit Application](#)
- 7.6 Approve Temporary Class "B"/"Class B" Retailer's License for Mukwonago Food Pantry, applicant serving Wine and Beer at Phantom Junction Stage Concerts on June 27, August 8th, August 22, and 24. *(prior application was approved on 4-17-24 for Beer, applicant is adding wine sales and additional dates to application)*
[Temp B Wine Food Pantry.pdf](#)
- 7.7 Approve a Temporary Class "B"/ "Class B" Retailers License for Rotary Club of Mukwonago to serve Beer and Wine at Phantom Junction Stage events June 1, July 3, August 2, and September 28, 2024.
[PJS Rotary Club Temp Class B Lic_Redacted.pdf](#)
- 7.8 Approve **Resolution 2024-28** an Interim Financing Comfort Resolution for Wells 3 & 4 for HMO Treatment System and Supply System Water Main Revisions.
[AIRF_Interim Financing of Expenditures for SDWLP_Well 3 and 4.docx](#)
[RESOLUTION 2024-28 Well 3-4 HMO Financing](#)
- 7.9 Approve a Suburban Critical Incident Team Mutual Aid Agreement (SCIT) for the purpose of providing mutual aid for police Tactical Incidents between various communities.
[Agenda Cover Report 2024 SCIT MOU Changes](#)
[DRAFT 2023 SCIT MUTUAL AID AGREEMENT-9 Agencies](#)
[MUTUAL AID AGREEMENT w SCIT and Brookfield Fire Dept](#)
[MUTUAL AID AGREEMENT w SCIT and Lake Country](#)

8. Joint Village & Town Protective Services Committee Recommendations, Trustee Scott Reeves

- 8.1 Fire Department Monthly Reports
[Incident-Type-Report-\(Summary\)_01-01-2024 to 04-30-2024.pdf](#)
[Financials 01-01-2024 to 04-30-2024 w Referendum.pdf](#)

- 8.2 Discussion and possible action on approval of Policy #38 Non-Hazardous Duty and Lactation after Return to Active Duty.

[Policy 38 - Non-Hazardous Duty and Lactation after Return to Active Duty.pdf](#)

- 8.3 Discussion and possible action on request on EMS transport Bill

[Combined Letters Niemiec Redacted](#)

9. **Planning Commission Recommendations**

Discussion and possible action on the following Plan Commission Recommendations

- 9.1 Discussion and possible recommendation to the Village Board to approve **Resolution 2024-30** a Conditional Use Resolution and Prescribing Conditions for a new Senior Care Facility on Parcel MUKV1962996009, from Azura Living, LLC (applicant)

[RESOLUTION 2024-30 - Azura CUP](#)

[Staff Report-20240504-Azura Senior Living-SPAR and CU](#)

[Combined Docs Azura](#)

- 9.2 **For Information Only** *(No Action Required)*

1. Site Plan Architectural Review (SPAR) for Azura Senior Living LLC
2. Site Plan Architectural Review (SPAR) for 823 Swan Drive Performance Water Products, Inc.
3. Concept Review for an expansion at 909 Perkins Drive L'Bri

10. **Finance Committee, Trustee Darlene Johnson**

Discussion and possible action on the following items

- 10.1 Discussion and possible action to approve Accounts Payable Vouchers in the amount of \$291,957.88.

[051524 VB AP Packet.pdf](#)

- 10.2 Discussion and possible action to approve the Strategic Planning proposal for [CP2 Consulting](#).

(Example of Local In Plan Process [City of Cudahy](#))

[Staff Memo Re Strategic Planning](#)

[Mukwonago WI Strategic Plan Proposal.pdf](#)

[CP2 Consulting Flyer.pdf](#)

[Last Village of Mukwonago 2020 Strategic Planning report 8.3.2020.pdf](#)

11. **Public Works Committee, Trustee Eric Brill**

Discussion and possible action on the following items

- 11.1 Discussion and possible action to approve **Resolution 2024-31** approving the Storm Water Management Agreement (SWMA) for GS Global, d/b/a 929 Properties LLC.

[GS Global Expansion-SWMA Approval](#)

[RESOLUTION 2024-31 \(SWMA GS Global\)](#)

[Exhibit A SWMA - GS Global - COMPILED 2024-04-18](#)

11.2 Discussion and possible action on changing the color of the Bear on the primary and secondary gateway entrance signs.

12. Personnel Committee, Trustee Ken Johnson

Discussion and possible action on the following items

12.1 Discussion and possible action to approve **Resolution 2024-29** a Resolution to establish a wage range for the Economic Development Internship Position.

[Cover - Intern Wage Range](#)

[RESOLUTION 2024-29 Intern Wage Adjust](#)

[Economic Development Intern Position Description](#)

[WCMA Intern Grant Program](#)

13. Protective Services, Trustee Scott Reeves

Discussion and possible action on the following items

13.1 Monthly Police Report

[Monthly Report April 2024](#)

14. Village President

14.1 Discussion and action to approve the following appointments:

1. Brock Anderson to the Downtown Development Committee
2. Penny Grant to the Joint Fire Commission (*replacing Shane Herbig who has resigned.*)

14.2 Rescheduling a meeting date for a Joint Village/Town meeting for Fire Department Issues. (*Town requested a changed Joint Meeting date to June 19, 2024 at 5:30pm*)

14.3 Announcement of the Phantom Junction Stage Concert Series Schedule for the summer of 2024.

[FINAL of PJS_2024 Flyer 5-8-24](#)

15. Closed Session

Closed session pursuant to **Wis. Stats § 19.85 (1) (g)** (Conferring with legal counsel who either orally or in writing will advise governmental body on strategy to be adopted with respect to current or likely litigation) concerning GFLP vs. Village of Mukwonago.

16. Reconvene into Open Session

Motion to reconvene into open session pursuant to Wis. Stats. §19.85(2) for possible discussion and/or action concerning any matter discussed in closed session

17. Adjournment

It is possible that a quorum of, members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Please note, upon reasonable notice, efforts will be made to accommodate the needs of individuals with disabilities through appropriate aids and services. For additional information or to request this service, contact the

Municipal Clerk's Office, (262) 363-6420.

Mukwonago Historical & Museum Society 2023 Year in Review





Mission of the Mukwonago Historical and Museum Society: Head Quartered at the Red Brick Museum

- *“The mission of this organization shall be the collection, preservation, and dissemination of materials and information relating to Mukwonago, Wisconsin and surrounding area.”*

- Bylaws of MHS&M

- Articles of Incorporation formed in 1967. First officers included Mr. and Mrs. John Grutzmacher.
- Founded by the Arthur Grutzmacher endowment to the Library and the Village.
- Any person or entity can join with payment of dues and the Society *“is committed to nondiscrimination on the basis of prohibited categories as required by federal and state law.”*



2023 High Lights By the Numbers:

- 2500+ estimated volunteer hours to do tours, events, displays, etc. All free time for the betterment of Mukwonago culture.
- 900+ members of the public attended internal and external events
- 8 new researched presentations
- 6 new members, several who are contributing as active volunteers, approximately 30 total
- 4 new committees: NA Room re-design, Membership Drive, Lease, & Bylaws Update



Presentations/Research by Volunteers 2023

Delivered on our Open Sundays and have really increased Visitor Traffic!

Those donated to the Society are available on our website mukwonagohistoricalsociety.org

Local Railroad History

Mukwonago History



William Stickles: Woodsman, Marksman, Civil War Hero



Made from Clay

History of 19th Century Pottery Makers of Wisconsin

Researched and wrote the history for the Phantom Junction Stage website. Also influenced the East Troy RR to provide rides to and from the stage.

Memories of Mukwonago: Oral Histories

A collaboration between MH&MS and WFAQ's Todd Ciske is preserving the history of Mukwonago in audio.

Grutzmacher Oral Histories

Fickau, Reinke, Bartelt, Taylor Interviews

Kingston Memories

Rainbow Springs Memories

Dorothy Schrader Memories

Roger Sikorsky

History of Railroad in Mukwonago

Genevieve Sloman



"MoM_Dorothy_Schrader_01_Intros"

PSAs

WFAQ



00:00

00:00



1. "MoM_Dorothy_Schrader_01_Intros" — WFAQ	4:10
2. "MoM_Dorothy_Schrader_02_House_Grew_Up_Mom_Driving" — WFAQ	2:55
3. "MoM_Dorothy_Schrader_03_Museum_Donation_Anniversary_Christmas_Tree" — WFAQ	2:56
4. "MoM_Dorothy_Schrader_04_Spoiled_Brother_Farm" — WFAQ	2:33
5. "MoM_Dorothy_Schrader_05_Garden_Schools" — WFAQ	3:06
6. "MoM_Dorothy_Schrader_06_Craigs_Bank_Calendar_Pics" — WFAQ	1:56
7. "MoM_Dorothy_Schrader_07_Bandshell_Downtown_Siefert's" — WFAQ	3:45
8. "MoM_Dorothy_Schrader_08_Kanes_Bakery" — WFAQ	4:27
9. "MoM_Dorothy_Schrader_09_Downtown_Stores_Hills_Dept_Store_Popcorn_Balls_Cider" — WFAQ	3:29
10. "MoM_Dorothy_Schrader_10_Herrling_Fathers_Farm_Deer_Hunting_Sandwiches" — WFAQ	2:31
11. "MoM_Dorothy_Schrader_11_Lindberg_Baby_Normal_School" — WFAQ	2:48
12. "MoM_Dorothy_Schrader_12_Career_Circle_Of_Care_Blood_Donations" — WFAQ	3:11
13. "MoM_Dorothy_Schrader_13_Tod_Airline_Travel" — WFAQ	3:43
14. "MoM_Dorothy_Schrader_14_Neighborhood_Vista_Theater_Hospital_Bill" — WFAQ	3:06
15. "MoM_Dorothy_Schrader_15_Hospital_Birth_Bill_Congregational_Church_Mothers_Funeral" — WFAQ	3:03
16. "MoM_Dorothy_Schrader_16_retirement_fave_memories_homecoming" — WFAQ	3:07
17. "MoM_Dorothy_Schrader_17_Eating_Summerfest" — WFAQ	4:18

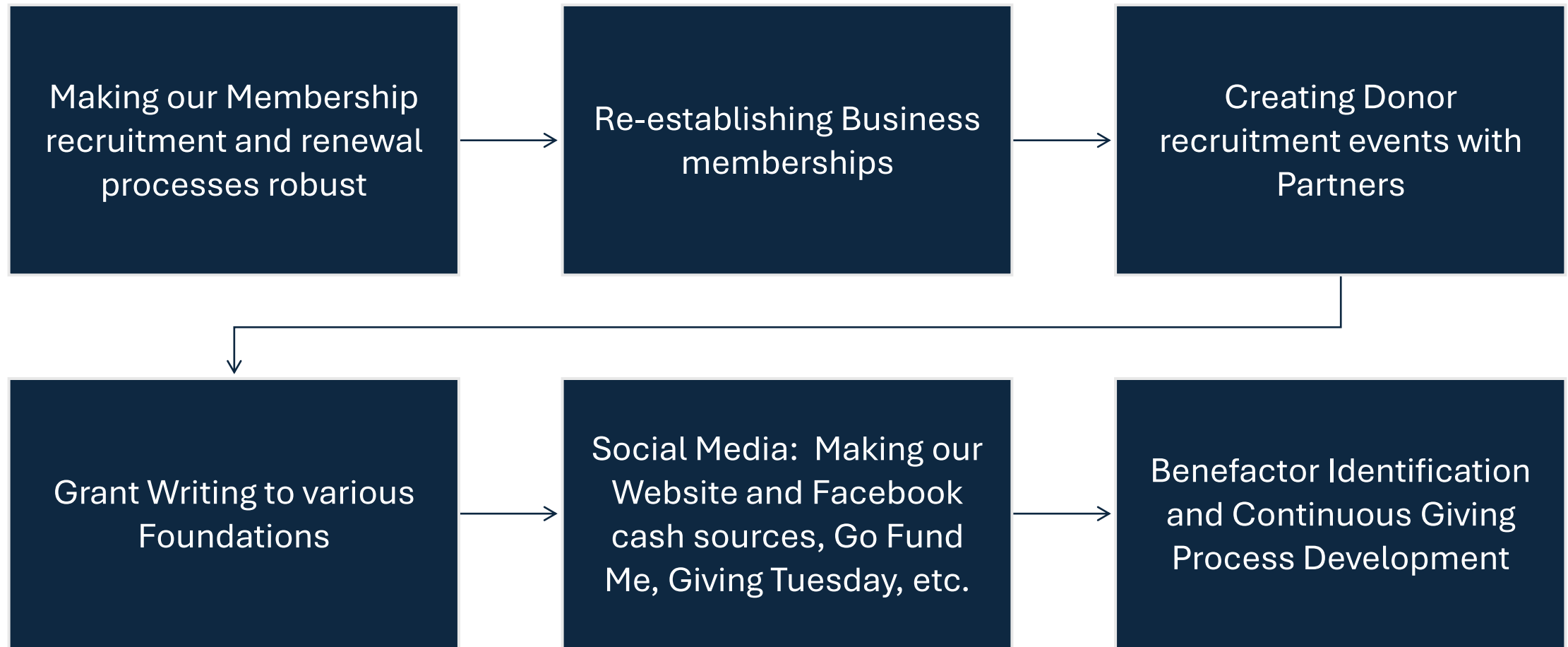


Other Programs and Events in 2023

- Phantom Junction Stage Octoberfest Event Fundraiser Tent
- Annual Ice Cream Social
- Victorian Tea with “History of Quilt Making” Speaker



Different Facets of Fundraising for MH&MS

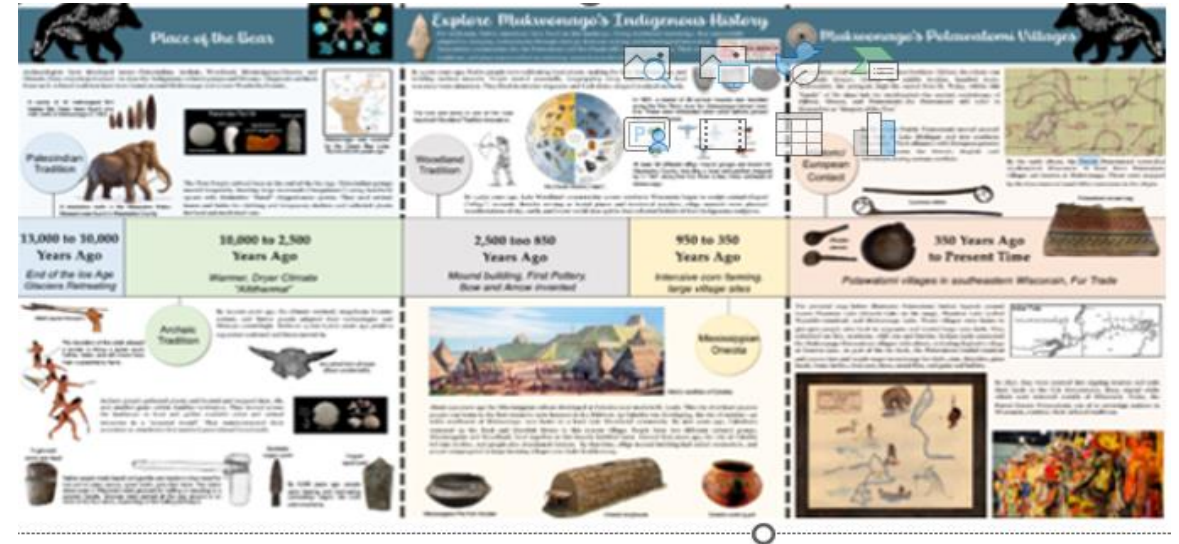


Form Committees for each of these sources of funds.

Major Native American Room Renovation-2024-25



Old Room



Example of New Interpretive Panels to Explain the Timeline and Cultural Context of Various Artifacts in the Collections

New Room in Process



Native American Chunkey Game



Illustration by Charles Catlin (1812)

Chunkey (pronounced "ichung-kee") was a sport played by Native Americans across much of North America, especially in the Eastern region. The game involved rolling a small discoidal or ring stone and trying to land a long spear-like stick near the stone's final resting place. Different tribes had different ways to play, but there were many commonalities among all the variants. It was a wildly popular spectator sport that brought together entire tribes and even European visitors after colonization. Chunkey contests also became a means to settle disputes non-violently.

Chunkey carried heavy cultural significance among Native American tribes. Players sometimes wore ritualistic clothes, accessories, and face paint for more important games. Symbols on chunkey-related artifacts seem to indicate that losing was associated with death. In fact, some players were known to commit suicide after losing a game on which they had wagered much of their possessions.

Village Support Needed: Non-financial

- The Village Website and Facebook Page covers our Programs Thank You!!!
- The Display right outside this meeting Room Thank You!!!
- But we would like to see each and every one of you and your families when we are open.....

The Museum is a not so hidden gem that can be a real destination for this Village!!!



VILLAGE OF
Mukwonago
WISCONSIN

[FOLLOW US](#)

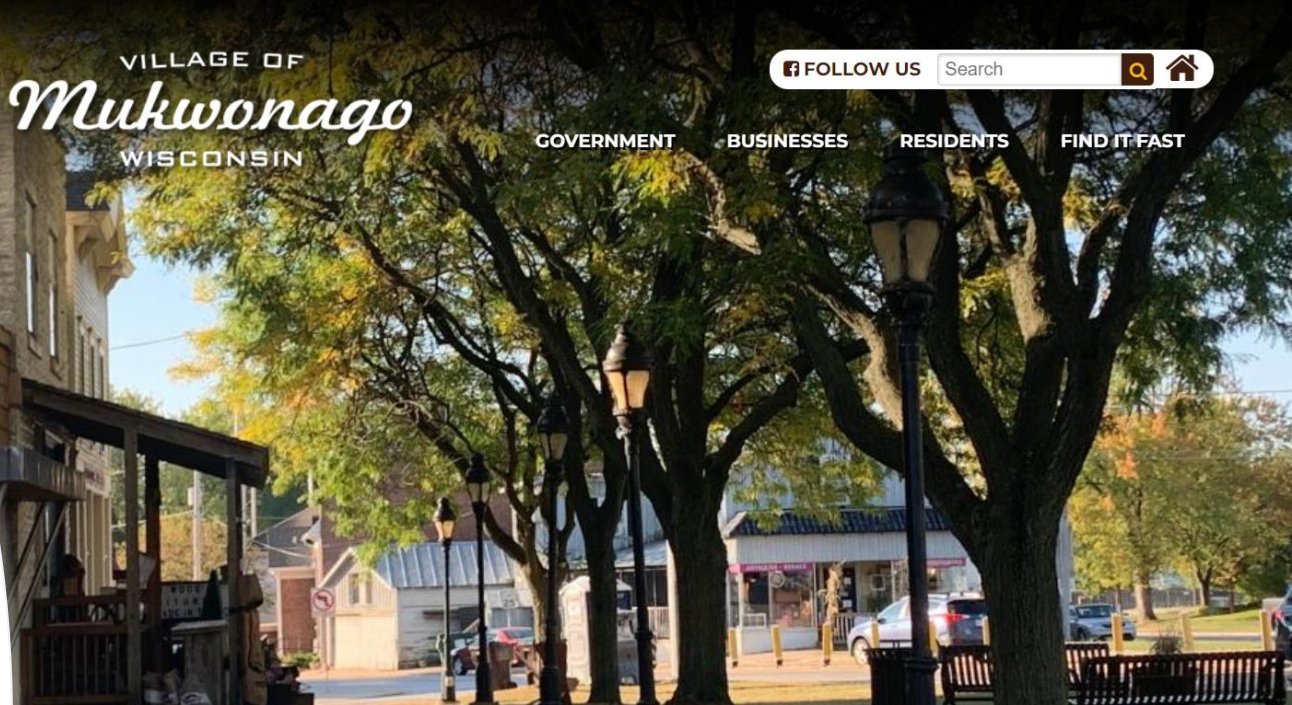


[GOVERNMENT](#)

[BUSINESSES](#)

[RESIDENTS](#)

[FIND IT FAST](#)



***Thank You
for Your
Support!!!***

***“There is always
something new
that’s old at the Red
Brick Museum”***



Proclamation

In honor of Emergency Medical Services Personnel Week in the Village of Mukwonago

WHEREAS, emergency medical services is a vital public service; and

WHEREAS, the members of emergency medical services teams are ready to provide lifesaving care to those in need 24 hours a day, seven days a week; and

WHEREAS, access to quality emergency care dramatically improves the survival and recovery rate of those who experience sudden illness or injury; and

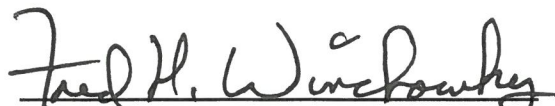
WHEREAS, emergency medical services has grown to fill a gap by providing important, out of hospital care, including preventative medicine, follow-up care, and access to telemedicine; and

WHEREAS, the emergency medical services system consists of first responders, emergency medical technicians, paramedics, emergency medical dispatchers, firefighters, police officers, educators, administrators, pre-hospital nurses, emergency nurses, emergency physicians, trained members of the public, and other out of hospital medical care providers; and

WHEREAS it is appropriate to recognize the value and the accomplishments of emergency medical services providers by designating Emergency Medical Services Week.

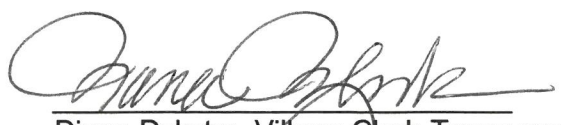
NOW THEREFORE, DO I, Fred H. Winchowky, Village President of the Village of Mukwonago, hereby proclaim, May 19-25, 2024 as National EMS Week in the Village, and I urge all citizens and employees to join me in honoring and celebrating all EMS practitioners and the work they do.

Proclaimed this 15th day of May, 2024.


Fred H. Winchowky, Village President



ATTEST:


Diana Dykstra, Village Clerk-Treasurer



P roclamation

National Public Works Week May 19–25, 2024

“Advancing Quality of Life For All”

WHEREAS, public works professionals focus on infrastructure, facilities, and services that are of vital importance to sustainable and resilient communities and to the public health, high quality of life, and well-being of the people of Village of Mukwonago; and,

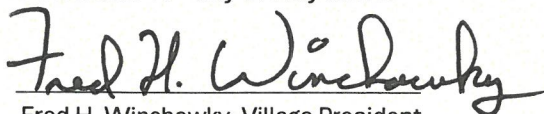
WHEREAS, these infrastructure, facilities, and services could not be provided without the dedicated efforts of public works professionals, who are engineers, managers, and employees at all levels of government and the private sector, who are responsible for rebuilding, improving, and protecting our nation’s transportation, water supply, water treatment and solid waste systems, public buildings, and other structures and facilities essential for our citizens; and,

WHEREAS, it is in the public interest for the citizens, civic leaders, and children in the Village of Mukwonago to gain knowledge of and maintain an ongoing interest and understanding of the importance of public works and public works programs in their respective communities; and,

WHEREAS, the year 2024 marks the 64th annual National Public Works Week sponsored by the American Public Works Association/Canadian Public Works Association be it now,

NOW THEREFORE BE IT RESOLVED, do I, Fred Winchowky, do hereby designate the week May 19–25, 2024, as National Public Works Week. I urge all citizens to join with representatives of the American Public Works Association and government agencies in activities, events, and ceremonies designed to pay tribute to our public works professionals, engineers, managers, and employees and to recognize the substantial contributions they make to protecting our national health, safety, and advancing quality of life for all.

Dated this 15th day of May 2024.


Fred H. Winchowky, Village President

ATTEST: 
Diana Dykstra, Village Clerk-Treasurer



Accounts Payable Cover Sheet

Report:	Period or corresponding report date		
Village Accounts Payable	4/24/2024	\$	109,764.19
Charter Spectrum (ACH Withdrawal)	4/9/2024	\$	1,624.81
WI Dept of Revenue QTRLY Tax (ACH Withdrawal)	4/9/2024	\$	699.51
Check Disbursement - Tax Settlements	4/9/2024	\$	238,594.66
Check Disbursement - Invoice Cloud	4/10/2024	\$	409.30
Check Disbursement - Payroll Related	4/10/2024	\$	10,810.23
Check Disbursement - We Energies	4/12/2024	\$	45,133.99
Library Accounts Payable	4/12/2024	\$	21,578.31
Check Disbursement - Fire Settlement	4/16/2024	\$	246,551.12
Check Disbursement - Payroll Related	4/17/2024	\$	1,667.39
Check Disbursement - Court	4/19/2024	\$	6,910.62
US Bank (ACH Withdrawal)	4/23/2024	\$	19,705.78
Check Disbursement - Payroll Related	4/24/2024	\$	212,867.31
	Total for Approval:	\$	<u>916,317.22</u>

The preceding list of bills payable was approved for payment

Date: _____

Approved by: _____

04/24/2024 02:52 PM
User: MROCKLEY
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PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO
EXP CHECK RUN DATES 05/02/2024 - 05/02/2024
UNJOURNALIZED OPEN
BANK CODE: GEN

Page: 1/7

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: ACE REDI-MIX, INC.						
40457	CONCRETE FOR SOCCER SHED	340-5890-580601	2,412.00	2,412.00	DPW	05/02/2024
TOTAL VENDOR ACE REDI-MIX, INC.				2,412.00		
VENDOR NAME: AIRGAS USA LLC						
9148814279	ARIGAS INVOICE	150-5231-531100	415.78	415.78	FIRE	05/02/2024
TOTAL VENDOR AIRGAS USA LLC				415.78		
VENDOR NAME: ALSCO						
IMIL2007900	PD MAT CLEANING	100-5211-539400	51.89	51.89	POLICE	05/02/2024
IMIL2009419	VH WALK OFF MATS	100-5160-521900	63.37	63.37	DPW	05/02/2024
TOTAL VENDOR ALSCO				115.26		
VENDOR NAME: AMAZON CAPITOL SERVICES						
1QC9RXN33DFR	TIOLET PAPER DISPENSERS	100-5521-531100	66.35	66.35	DPW	05/02/2024
1LNP9FD63KGQ	NETWORK GEAR FOR PARK SECURITY CAMERAS	100-5521-531100	399.72	399.72	DPW	05/02/2024
1NG3WLLGD46V	OFFICE SUPPLIES	100-5142-531100	100.00	279.22	CLERK	05/02/2024
		100-5144-531100	179.22			
TOTAL VENDOR AMAZON CAPITOL SERVICES				745.29		
VENDOR NAME: AT & T MOBILITY						
287291370101041524	PD CELL PHONES AND CRADLEPOINTS	100-5211-522500	542.99	542.99	POLICE	05/02/2024
TOTAL VENDOR AT & T MOBILITY				542.99		
VENDOR NAME: BASSETT MECHANICAL						
6512890	CONTRACTOR MAINTENANCE CALL	620-8010-833000	387.00	387.00	UTILITIES	05/02/2024
TOTAL VENDOR BASSETT MECHANICAL				387.00		
VENDOR NAME: BS&A						
154106	2024 ANNUAL BS&A SOFTWARE MAINTENANCE	100-5141-522900	290.21	10,035.00	ALLOCATE	05/02/2024
		100-5145-522900	290.21			
		100-5142-522900	580.43			
		100-5241-522900	1,814.67			
		100-5632-522900	1,814.66			
		100-5211-522900	337.95			
		100-5300-522900	337.95			
		150-5221-522900	337.95			
		440-5511-521900	337.95			
		610-6920-692300	1,946.51			
		620-8400-852000	1,946.51			
TOTAL VENDOR BS&A				10,035.00		
VENDOR NAME: C & M AUTO PARTS INC						
6079-381336	FIRE TAHOE OIL CHANGES	150-5222-539500	3.59	7.18	FIRE	05/02/2024
		150-5231-539500	3.59			
6079-381336 POLICE SQUAD OIL FILTERS						
6079-381709	JD ZERO TURN FILTER	100-5212-539500	28.72	28.72	POLICE	05/02/2024
		100-5324-539500	22.99	22.99	DPW	05/02/2024

19

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User: MROCKLEY

DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO

EXP CHECK RUN DATES 05/02/2024 - 05/02/2024

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Page: 2/7

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: C & M AUTO PARTS INC						
6079-381696	JD ZERO TURN OIL FILTER	100-5324-539500	10.77	10.77	DPW	05/02/2024
6079-381756	SQUAD 24 ROTORS	100-5212-539500	540.46	540.46	POLICE	05/02/2024
6079-380960	2017 AMBULANCE REPAIR CREDIT	150-5231-539500	(130.00)	(130.00)	FIRE	05/02/2024
TOTAL VENDOR C & M AUTO PARTS INC				480.12		
VENDOR NAME: CASTLE WAYNE						
MARCH 2024 MILEAGE	MILEAGE FOR CONFERENCE	610-6920-693000	140.03	280.06	UTILITIES	05/02/2024
		620-8400-854100	140.03			
TOTAL VENDOR CASTLE WAYNE				280.06		
VENDOR NAME: CENTRAL OFFICE SYSTEMS						
82411798	COPIER INVOICE	150-5221-531100	92.00	92.00	FIRE	05/02/2024
TOTAL VENDOR CENTRAL OFFICE SYSTEMS				92.00		
VENDOR NAME: CINTAS						
4190170314	STAFF UNIFORMS AND SHOP SUPPLIES	100-5323-531100	140.55	140.55	DPW	05/02/2024
4190170389	UNIFORM SERVICE	610-6920-693000	59.50	118.99	UTILITIES	05/02/2024
		620-8400-856000	59.49			
4189455123	STAFF UNIFORMS &SHOP SUPLIES	100-5323-531100	140.55	140.55	DPW	05/02/2024
4189455270	UNIFORM SERVICE	610-6920-693000	59.49	118.99	UTILITIES	05/02/2024
		620-8400-856000	59.50			
TOTAL VENDOR CINTAS				519.08		
VENDOR NAME: CONLEY MEDIA, LLC						
6362410124-2 DPW	YWO RIVERS STREET PROJECT AD	480-5700-586100	132.95	132.95	DPW	05/02/2024
6362410124-2 PLANNI	PLAN COMM LEGAL NOTICES	100-5632-531200	108.57	108.57	PLANNER	05/02/2024
TOTAL VENDOR CONLEY MEDIA, LLC				241.52		
VENDOR NAME: COREY OIL, LTD						
545169 DPW	OIL, GREASE AND ANTIFREEZE	100-5324-535100	621.97	621.97	DPW	05/02/2024
545169 FIRE	OIL INVOICE	150-5222-539500	137.14	274.27	FIRE	05/02/2024
		150-5231-539500	137.13			
545169 POLICE	SQUAD MOTOR OIL	100-5212-535100	274.27	274.27	POLICE	05/02/2024
TOTAL VENDOR COREY OIL, LTD				1,170.51		
VENDOR NAME: CRIVELLO CARLSON S.C.						
5331-202890	MARCH LEGAL SERVICES	100-5130-521900	2,980.00	3,360.00	FINANCE	05/02/2024
		610-6920-692300	380.00			
5331-202710	MARCH INVOICES	100-5130-521900	920.00	920.00	FINANCE	05/02/2024
TOTAL VENDOR CRIVELLO CARLSON S.C.				4,280.00		
VENDOR NAME: DEPARTMENT OF ADMINISTRATION						

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: DEPARTMENT OF ADMINISTRATION						
505-0000089717	EMAIL FILTER APRIL 2024	100-5111-522900	3.17	50.76	ALLOCATE	05/02/2024
		100-5120-522900	0.91			
		100-5141-522900	0.45			
		100-5142-522900	1.36			
		100-5211-522900	16.32			
		100-5241-522900	1.36			
		100-5300-522900	3.63			
		100-5512-522900	0.45			
		100-5632-522900	0.45			
		150-5221-522900	18.58			
		610-6920-692100	1.36			
		620-8400-851000	1.36			
		100-5145-522900	1.36			
TOTAL VENDOR DEPARTMENT OF ADMINISTRATION				50.76		
VENDOR NAME: DRAGONFLY EMBROIDERY						
22046	STAFF CLASS A AND CLOTHING REPAIR	150-5222-534600	471.60	471.60	FIRE	05/02/2024
TOTAL VENDOR DRAGONFLY EMBROIDERY				471.60		
VENDOR NAME: DURABLE CONTROLS LLC						
00067055	VALVE HARDWARE	620-8010-827000	163.90	163.90	UTILITIES	05/02/2024
00067056	6" PLUG VALVE	620-8010-827000	1,197.00	1,197.00	UTILITIES	05/02/2024
TOTAL VENDOR DURABLE CONTROLS LLC				1,360.90		
VENDOR NAME: DYKSTRA DIANA						
MARCH 2024 MILEAGE	MILEAGE	100-5141-533500	75.04	75.04	CLERK	05/02/2024
TOTAL VENDOR DYKSTRA DIANA				75.04		
VENDOR NAME: ETNA SUPPLY						
S105614473.001	VACTOR HOSE REPAIR PARTS	620-8030-828000	191.00	191.00	UTILITIES	05/02/2024
TOTAL VENDOR ETNA SUPPLY				191.00		
VENDOR NAME: GALLS LLC						
027530558	2024 UNIFORM ALLOWANCE - KUBIAK	100-5211-534600	51.00	51.00	POLICE	05/02/2024
TOTAL VENDOR GALLS LLC				51.00		
VENDOR NAME: GRAINGER						
9084559005	MCC COOLING FANS	620-8010-827000	162.57	162.57	UTILITIES	05/02/2024
9079051406	MCC FANS AND HYDRANT PUMP IMPELLER	610-6454-665400	30.96	142.62	UTILITIES	05/02/2024
		620-8010-827000	111.66			
9071544648	HYDRANT PUMP-IMPELLER	610-6454-665400	30.96	30.96	UTILITIES	05/02/2024
TOTAL VENDOR GRAINGER				336.15		
VENDOR NAME: HAWKINS WATER TREATMENT						
6731517	WATER TREATMENT CHEMICALS	610-6300-663100	40.00	40.00	UTILITIES	05/02/2024
TOTAL VENDOR HAWKINS WATER TREATMENT				40.00		

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PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO

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INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT	POST DATE
VENDOR NAME: HINCKLEY SPRINGS					
23853226041324	VH &DPW DRINKING WATER	100-5160-531100	34.96	70.61 DPW	05/02/2024
		100-5323-531100	35.65		
TOTAL VENDOR HINCKLEY SPRINGS				70.61	
VENDOR NAME: HIPPENMEYER, REILLY, BLUM,					
56221	PROSECUTIONS	100-5130-521900	555.00	555.00 FINANCE	05/02/2024
TOTAL VENDOR HIPPENMEYER, REILLY, BLUM,				555.00	
VENDOR NAME: HOME DEPOT					
MARCH 2024	FORESTRY, SHOP AND MINIWAUKAN GARAGE CON	100-5323-531100	277.94	9,690.71 DPW	05/02/2024
		100-5611-531100	629.94		
		340-5890-580601	8,782.83		
TOTAL VENDOR HOME DEPOT				9,690.71	
VENDOR NAME: HORN FEEDS					
35539	FIELD MARKING LIME	100-5521-531100	109.15	109.15 DPW	05/02/2024
TOTAL VENDOR HORN FEEDS				109.15	
VENDOR NAME: JEFFERSON FIRE & SAFETY					
IN313383	T34 EMERGENCY LIGHT REPAIR	150-5222-539500	396.70	396.70 FIRE	05/02/2024
TOTAL VENDOR JEFFERSON FIRE & SAFETY				396.70	
VENDOR NAME: KROHNE INC.					
S01 / 143326	REPLACEMENT RAS FLOW METER (EAST)	620-8010-833000	3,296.89	3,296.89 UTILITIES	05/02/2024
TOTAL VENDOR KROHNE INC.				3,296.89	
VENDOR NAME: LANGE ENTERPRISES INC					
87211	ADOPT A ROAD IDENTIFICATION SIGNS	100-5348-531100	74.43	74.43 DPW	05/02/2024
TOTAL VENDOR LANGE ENTERPRISES INC				74.43	
VENDOR NAME: LIFE-ASSIST, INC.					
1425056	EMS SUPPLIES	150-5231-531100	94.22	94.22 FIRE	05/02/2024
TOTAL VENDOR LIFE-ASSIST, INC.				94.22	
VENDOR NAME: MESSAGEUS					
240910134	LONG DISTANCE PHONE SERVICE	610-6920-692100	2.91	5.83 UTILITIES	05/02/2024
		620-8400-851000	2.92		
TOTAL VENDOR MESSAGEUS				5.83	
VENDOR NAME: MICHAEL'S SIGNS, INC.					
18132	ENTRANCE SIGNS SECOND PAYMENT	480-5700-521500	40,025.00	40,025.00 DPW	05/02/2024
TOTAL VENDOR MICHAEL'S SIGNS, INC.				40,025.00	
VENDOR NAME: MIHLBAUER, ALEX					

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: MIHLBAUER, ALEX 042224	MIHLBAUER OPEN WATER COURSE	150-5223-533500	467.25	467.25	FIRE	05/02/2024
TOTAL VENDOR MIHLBAUER, ALEX				467.25		
VENDOR NAME: MINORS GARDEN CENTER, INC. 0507252	B&B TREES	100-5611-531100	4,340.00	4,340.00	DPW	05/02/2024
TOTAL VENDOR MINORS GARDEN CENTER, INC.				4,340.00		
VENDOR NAME: MOTION INDUSTRIES, INC. WI08-00676429	PRESSURE GAUGES	620-8010-827000	112.19	112.19	UTILITIES	05/02/2024
TOTAL VENDOR MOTION INDUSTRIES, INC.				112.19		
VENDOR NAME: MUKWONAGO AREA CHAMBER OF COMM 041824	ROOM TAX DUE TO CHAMBER	100-0000-244000	307.83	319.04	CLERK	05/02/2024
		100-0000-244000	11.21			
041624	ROOM TAX DUE TO CHAMBER	100-0000-244000	2,393.66	7,217.71	CLERK	05/02/2024
		100-0000-244000	2,343.15			
		100-0000-244000	2,480.90			
TOTAL VENDOR MUKWONAGO AREA CHAMBER OF COMM				7,536.75		
VENDOR NAME: NAPA AUTO PARTS - SP018 220468	LOADER-WINDOW WAS FLUID	620-8010-825500	22.14	22.14	UTILITIES	05/02/2024
TOTAL VENDOR NAPA AUTO PARTS - SP018				22.14		
VENDOR NAME: NILE XPEDITE SOLUTIONS OF WI, LLC 1527	WET TESTING SHIPPING	620-8010-826000	1,155.00	1,155.00	UTILITIES	05/02/2024
TOTAL VENDOR NILE XPEDITE SOLUTIONS OF WI, LLC				1,155.00		
VENDOR NAME: NORTHERN LAKE SERVICE INC 2405979	COMPLIANCE SAMPLING-BACTI	610-6300-663200	140.00	140.00	UTILITIES	05/02/2024
2405638	COMPLIANCE SAMPLING-BACTI	610-6300-663200	110.00	110.00	UTILITIES	05/02/2024
TOTAL VENDOR NORTHERN LAKE SERVICE INC				250.00		
VENDOR NAME: PROHEALTH MEDICAL GROUP 320677	ENTRY STAFF PHYSICAL EXAM	150-5221-521900	74.00	74.00	FIRE	05/02/2024
TOTAL VENDOR PROHEALTH MEDICAL GROUP				74.00		
VENDOR NAME: PROVEN POWER INC 02-455172	JD ZERO TURN BEARING CONE AND SEAL	100-5324-539500	24.96	24.96	DPW	05/02/2024
TOTAL VENDOR PROVEN POWER INC				24.96		
VENDOR NAME: QUILL LLC 38022086	GARBAGE BAGS	100-5211-539400	84.98	84.98	POLICE	05/02/2024
TOTAL VENDOR QUILL LLC				84.98		
VENDOR NAME: REINDERS, INC. 6050017-00	5900 TORO PARTS	100-5324-539500	696.80	696.80	DPW	05/02/2024

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INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT	POST DATE
VENDOR NAME: REINDERS, INC.					
	TOTAL VENDOR REINDERS, INC.			696.80	
VENDOR NAME: SCHICK, BOB					
2024	BOOT ALLOWANCE - SCHICK	100-5323-534800	100.00	100.00 DPW	05/02/2024
	TOTAL VENDOR SCHICK, BOB			100.00	
VENDOR NAME: SHI INTERNATIONAL CORP					
B18138585	ADOBE LICENSE ANNUAL RENEWAL 2024	100-5142-522900	579.06	1,930.20 ALLOCATE	05/02/2024
		100-5141-522900	193.02		
		100-5145-522900	579.06		
		100-5300-522900	193.02		
		100-5211-522900	193.02		
		610-6920-692100	96.51		
		620-8400-851000	96.51		
	TOTAL VENDOR SHI INTERNATIONAL CORP			1,930.20	
VENDOR NAME: STERICYCLE					
8006847601	2024 APRIL VH SHREDDING SERVICES	100-5141-531100	49.21	98.42 ALLOCATE	05/02/2024
		100-5142-531100	24.61		
		100-5632-531100	24.60		
	TOTAL VENDOR STERICYCLE			98.42	
VENDOR NAME: TERMINAL ANDRAE INC.					
64878	ATKINSON LIFT STATION RTU PANEL	620-0000-000104	2,800.00	2,800.00 UTILITIES	05/02/2024
	TOTAL VENDOR TERMINAL ANDRAE INC.			2,800.00	
VENDOR NAME: THE UNIFORM SHOPPE OF GREEN BAY INC					
344492	NEW OFFICER UNIFORM - DYKSTRA	100-5212-534700	350.75	350.75 POLICE	05/02/2024
	TOTAL VENDOR THE UNIFORM SHOPPE OF GREEN BAY INC			350.75	
VENDOR NAME: T-MOBILE					
APRIL 2024	T-MOBILE INVOICE	150-5221-522500	429.76	429.76 FIRE	05/02/2024
	TOTAL VENDOR T-MOBILE			429.76	
VENDOR NAME: ULINE					
176705552	LAB SUPPLIES	620-8010-826000	370.97	370.97 UTILITIES	05/02/2024
	TOTAL VENDOR ULINE			370.97	
VENDOR NAME: VERATHON, INC.					
1513232	GLIDESCOPE 2 IMTUBATION DEVICES	150-5700-571400	9,820.00	9,820.00 FIRE	05/02/2024
031524	UR CREDITS VERATHON REFUND	150-5700-571400	(1,932.10)	(1,932.10) FIRE	05/02/2024
	TOTAL VENDOR VERATHON, INC.			7,887.90	
VENDOR NAME: VERIZON WIRELESS					
9960749375	VERIZON INVOICE	150-5221-522500	50.10	50.10 FIRE	05/02/2024
	TOTAL VENDOR VERIZON WIRELESS			50.10	

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: WI DEPT OF JUSTICE-TIME						
455TIME-0000016088	WI DOJ BADGERNET 2ND QUARTER	100-5211-522900	2,218.50	2,218.50	POLICE	05/02/2024
TOTAL VENDOR WI DEPT OF JUSTICE-TIME				2,218.50		
VENDOR NAME: WITTE SUPPLY COMPANY						
148044	REBAR	100-5343-539500	151.92	151.92	DPW	05/02/2024
TOTAL VENDOR WITTE SUPPLY COMPANY				151.92		
GRAND TOTAL:				109,764.19		

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User: MROCKLEY			CHECK NUMBER 795					
DB: Mukwonago			Banks: GEN					
Check Date	Bank	Check #	Payee	Description	GL #	Amount		
04/09/2024	GEN	795 (E)	CHARTER COMMUNICATIONS	APRIL 2024 MONTHLY BILL	100-5120-522500	36.55		
		795 (E)		APRIL 2024 MONTHLY BILL	100-5141-522500	15.46		
		795 (E)		APRIL 2024 MONTHLY BILL	100-5142-522500	127.54		
		795 (E)		APRIL 2024 MONTHLY BILL	100-5145-522900	61.87		
		795 (E)		APRIL 2024 MONTHLY BILL	100-5160-522500	26.95		
		795 (E)		APRIL 2024 MONTHLY BILL	100-5211-522500	448.79		
		795 (E)		APRIL 2024 MONTHLY BILL	100-5241-522500	36.55		
		795 (E)		APRIL 2024 MONTHLY BILL	100-5323-522500	71.70		
		795 (E)		APRIL 2024 MONTHLY BILL	100-5512-522500	82.01		
		795 (E)		APRIL 2024 MONTHLY BILL	150-5221-522500	357.09		
		795 (E)		APRIL 2024 MONTHLY BILL	410-5363-522500	4.05		
		795 (E)		APRIL 2024 MONTHLY BILL	440-5511-522500	285.39		
		795 (E)		APRIL 2024 MONTHLY BILL	500-5344-522500	2.02		
		795 (E)		APRIL 2024 MONTHLY BILL	610-6920-692100	34.42		
		795 (E)		APRIL 2024 MONTHLY BILL	620-8400-851000	34.42		
						1,624.81		
TOTAL - ALL FUNDS				TOTAL OF 1 CHECKS		1,624.81		

Check Date	Bank	Check #	Payee	Description	GL #	Amount
04/09/2024	GEN	796 (E)	WI DEPT OF REVENUE QTRLY TAX	WI DEPT OF REVENUE QTRLY TAX	100-5160-539900	65.07
		796 (E)		WI DEPT OF REVENUE QTRLY TAX	100-5521-539900	495.92
		796 (E)		WI DEPT OF REVENUE QTRLY TAX	440-5511-539900	138.52
						699.51
TOTAL - ALL FUNDS				TOTAL OF 1 CHECKS		699.51

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User: MROCKLEY			CHECK NUMBER 38428 - 38434					
DB: Mukwonago			Banks: GEN					
Check Date	Bank	Check #	Payee	Description	GL #	Amount		
04/09/2024	GEN	38428	EAST TROY SCHOOL DISTRICT	APRIL 2024 LOTTERY CREDIT	720-0000-246200	2,435.25		
04/09/2024	GEN	38429	GATEWAY TECHNICAL COLLEGE	APRIL 2024 LOTTERY CREDIT	720-0000-246300	212.20		
04/09/2024	GEN	38430	MUKWONAGO AREA SCHOOLS	APRIL 2024 LOTTERY CREDIT	720-0000-246000	184,796.74		
04/09/2024	GEN	38431	PHANTOM LAKES MGMT DISTRICT	APRIL 2024 LOTTERY CREDIT	720-0000-245000	1,366.23		
04/09/2024	GEN	38432	WALWORTH CTY TREASURER	APRIL 2024 LOTTERY CREDIT	720-0000-243110	894.28		
04/09/2024	GEN	38433	WAUKESHA CTY TREASURER	APRIL 2024 LOTTERY CREDIT	720-0000-243100	41,427.24		
04/09/2024	GEN	38434	WCTC	APRIL 2024 LOTTERY CREDIT	720-0000-246100	7,462.72		
			TOTAL - ALL FUNDS	TOTAL OF 7 CHECKS		238,594.66		

Check Date	Bank	Check #	Payee	Description	GL #	Amount
04/10/2024	GEN	798 (E)	INVOICE CLOUD	INVOICE CLOUD MONTHLY FEES - MARCH	100-5142-539900	17.55
		798 (E)		INVOICE CLOUD MONTHLY FEES - MARCH	100-5241-539900	111.70
		798 (E)		INVOICE CLOUD MONTHLY FEES - MARCH	410-5363-539900	93.35
		798 (E)		INVOICE CLOUD MONTHLY FEES - MARCH	610-6920-692100	93.35
		798 (E)		INVOICE CLOUD MONTHLY FEES - MARCH	620-8300-840000	93.35
						409.30
TOTAL - ALL FUNDS				TOTAL OF 1 CHECKS		409.30

Check Date	Bank	Check #	Payee	Description	GL #	Amount
04/10/2024	GEN	38435	MINNESOTA LIFE INSURANCE	MAY 2024 LIFE INSURANCE	100-0000-215301	1,139.33
		38435		MAY 2024 LIFE INSURANCE	150-0000-215301	216.37
		38435		MAY 2024 LIFE INSURANCE	440-0000-215301	99.67
		38435		MAY 2024 LIFE INSURANCE	610-0000-215301	30.21
		38435		MAY 2024 LIFE INSURANCE	620-0000-215301	214.84
						1,700.42
04/10/2024	GEN	38436	SECURIAN FINANCIAL GROUP INC	APRIL 2024 ACCIDENTAL INS	100-0000-215305	49.60
		38436		APRIL 2024 ACCIDENTAL INS	150-0000-215305	10.88
		38436		APRIL 2024 ACCIDENTAL INS	440-0000-215305	3.94
						64.42
04/10/2024	GEN	797 (E)	GREAT WEST RETIREMENT SERVICES	RETIREMENT GW PR 04/12/24	100-0000-215250	634.18
		797 (E)		RETIREMENT GW PR 04/12/24	150-0000-215250	2,398.28
						3,032.46
04/10/2024	GEN	799 (E)	MISSION SQUARE	RETIREMENT MS/ICMA PR 04/12/24 ID	100-0000-215250	4,043.24
		799 (E)		RETIREMENT MS/ICMA PR 04/12/24 ID	150-0000-215250	50.00
		799 (E)		RETIREMENT MS/ICMA PR 04/12/24 ID	440-0000-215250	1,057.87
		799 (E)		RETIREMENT MS/ICMA PR 04/12/24 ID	610-0000-215250	161.62
		799 (E)		RETIREMENT MS/ICMA PR 04/12/24 ID	620-0000-215250	484.85
						5,797.58
04/10/2024	GEN	800 (E)	UKG INC.	2023 ACA 1095C FORM PRINTING	100-5141-539900	2.95
		800 (E)		2023 ACA 1095C FORM PRINTING	100-5142-539900	5.90
		800 (E)		2023 ACA 1095C FORM PRINTING	100-5145-539900	11.80
		800 (E)		2023 ACA 1095C FORM PRINTING	100-5211-539900	35.40
		800 (E)		2023 ACA 1095C FORM PRINTING	100-5212-539900	26.55
		800 (E)		2023 ACA 1095C FORM PRINTING	100-5213-521900	5.90
		800 (E)		2023 ACA 1095C FORM PRINTING	100-5241-539900	5.90
		800 (E)		2023 ACA 1095C FORM PRINTING	100-5300-539900	32.45
		800 (E)		2023 ACA 1095C FORM PRINTING	100-5632-539900	2.95
		800 (E)		2023 ACA 1095C FORM PRINTING	150-5221-539900	20.65
		800 (E)		2023 ACA 1095C FORM PRINTING	150-5233-531100	20.65
		800 (E)		2023 ACA 1095C FORM PRINTING	440-5511-534000	23.60
		800 (E)		2023 ACA 1095C FORM PRINTING	610-6902-690300	11.8

Check Date	Bank	Check #	Payee	Description	GL #	Amount
		800 (E)		2023 ACA 1095C FORM PRINTING	620-8300-840000	8.85
						215.35
			TOTAL - ALL FUNDS	TOTAL OF 5 CHECKS		10,810.23

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INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 04/08/2024 - 04/12/2024
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VENDOR CODE: 0034 - CHECK TYPE: PAPER CHECK
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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
4972310431 64147	WE ENERGIES 0700126680-00001 Digester Gas 620-8010-821200	04/01/2024 MROCKLEY 0700126680-00001 Digester Gas	04/11/2024	228.93 228.93	0.00	Paid	Y 04/11/2024
4972310431 64148	WE ENERGIES 0700126680-00002 Well #3 Elec 610-6200-662200	04/01/2024 MROCKLEY 0700126680-00002 Well #3 Elec	04/11/2024	1,560.25 1,560.25	0.00	Paid	Y 04/11/2024
4972310431 64149	WE ENERGIES 0700126680-00003 Street Lights 100-5342-522200	04/01/2024 MROCKLEY 0700126680-00003 Street Lights	04/11/2024	3,990.95 3,990.95	0.00	Paid	Y 04/11/2024
4972310431 64150	WE ENERGIES 0700126680-00004 Greenwald 610-6200-662200	04/01/2024 MROCKLEY 0700126680-00004 Greenwald	04/11/2024	244.61 244.61	0.00	Paid	Y 04/11/2024
4972310431 64151	WE ENERGIES 0700126680-00005 Booster Station 610-6200-662200	04/01/2024 MROCKLEY 0700126680-00005 Booster Station	04/11/2024	798.16 798.16	0.00	Paid	Y 04/11/2024
4972310431 64152	WE ENERGIES 0700126680-00006 Field Park 100-5521-522200	04/01/2024 MROCKLEY 0700126680-00006 Field Park	04/11/2024	65.88 65.88	0.00	Paid	Y 04/11/2024
4972310431 64153	WE ENERGIES 0700126680-00007 1240 N. Rochester 620-8020-821000	04/01/2024 MROCKLEY 0700126680-00007 1240 N. Rochester	04/11/2024	122.62 122.62	0.00	Paid	Y 04/11/2024
4972310431 64154	WE ENERGIES 0700126680-00008 Police Garage 100-5211-522200	04/01/2024 MROCKLEY 0700126680-00008 Police Garage	04/11/2024	173.81 173.81	0.00	Paid	Y 04/11/2024
4972310431 64155	WE ENERGIES 0700126680-00009 Fld Prk Baseball 100-5521-522200	04/01/2024 MROCKLEY 0700126680-00009 Fld Prk Baseball Lights	04/11/2024	22.26 22.26	0.00	Paid	Y 04/11/2024
4972310431 64156	WE ENERGIES 0700126680-000010 Fox River View 620-8020-821000	04/01/2024 MROCKLEY 0700126680-000010 Fox River View	04/11/2024	211.58 211.58	0.00	Paid	Y 04/11/2024

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INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 04/08/2024 - 04/12/2024
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VENDOR CODE: 0034 - CHECK TYPE: PAPER CHECK
WE ENERGIES REPORT FOR BOARD

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
4972310431 64157	WE ENERGIES 0700126680-000011 DPW Elec 100-5323-522200	04/01/2024 MROCKLEY 0700126680-000011 DPW Elec	04/11/2024	474.11 474.11	0.00	Paid	Y 04/11/2024
4972310431 64158	WE ENERGIES 0700126680-000012 Fire 150-5221-522200	04/01/2024 MROCKLEY 0700126680-000012 Fire	04/11/2024	1,804.18 1,804.18	0.00	Paid	Y 04/11/2024
4972310431 64159	WE ENERGIES 0700126680-000013 police-CTH E N of 100-5211-522200	04/01/2024 MROCKLEY 0700126680-000013 police-CTH E N of Sugd	04/11/2024	20.44 20.44	0.00	Paid	Y 04/11/2024
4972310431 64160	WE ENERGIES 0700126680-000014 Hall 100-5160-522200	04/01/2024 MROCKLEY 0700126680-000014 Hall	04/11/2024	1,277.43 1,277.43	0.00	Paid	Y 04/11/2024
4972310431 64161	WE ENERGIES 0700126680-000014 Hall Gas 100-5160-522400	04/01/2024 MROCKLEY 0700126680-000014 Hall Gas	04/11/2024	271.11 271.11	0.00	Paid	Y 04/11/2024
4972310431 64162	WE ENERGIES 0700126680-000016 Miniwauken Park 100-5521-522200	04/01/2024 MROCKLEY 0700126680-000016 Miniwauken Park	04/11/2024	34.63 34.63	0.00	Paid	Y 04/11/2024
4972310431 64163	WE ENERGIES 0700126680-000017 Holz Elec 620-8010-821100	04/01/2024 MROCKLEY 0700126680-000017 Holz Elec	04/11/2024	9,515.57 9,515.57	0.00	Paid	Y 04/11/2024
4972310431 64164	WE ENERGIES 0700126680-000018 Parks 100-5521-522200	04/01/2024 MROCKLEY 0700126680-000018 Parks	04/11/2024	18.04 18.04	0.00	Paid	Y 04/11/2024
4972310431 64165	WE ENERGIES 0700126680-000019 Atkinson Pump 620-8020-821000	04/01/2024 MROCKLEY 0700126680-000019 Atkinson Pump	04/11/2024	582.83 582.83	0.00	Paid	Y 04/11/2024
4972310431 64166	WE ENERGIES 0700126680-000020 Well #6 610-6200-662200	04/01/2024 MROCKLEY 0700126680-000020 Well #6	04/11/2024	1,050.95 1,050.95	0.00	Paid	Y 04/11/2024

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INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 04/08/2024 - 04/12/2024
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WE ENERGIES REPORT FOR BOARD

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
4972310431 64167	WE ENERGIES 0700126680-000021 DPW Gas 100-5323-522400	04/01/2024 MROCKLEY 0700126680-000021 DPW Gas	04/11/2024	440.02 440.02	0.00	Paid	Y 04/11/2024
4972310431 64168	WE ENERGIES 0700126680-000022 Concession 100-5521-522200	04/01/2024 MROCKLEY 0700126680-000022 Concession Building	04/11/2024	92.41 92.41	0.00	Paid	Y 04/11/2024
4972310431 64169	WE ENERGIES 0700126680-000023 Well #3 Gas 610-6200-662200	04/01/2024 MROCKLEY 0700126680-000023 Well #3 Gas	04/11/2024	10.23 10.23	0.00	Paid	Y 04/11/2024
4972310431 64170	WE ENERGIES 0700126680-000024 Parks-200 S 100-5342-522200	04/01/2024 MROCKLEY 0700126680-000024 Parks-200 S Rochester	04/11/2024	25.03 25.03	0.00	Paid	Y 04/11/2024
4972310431 64171	WE ENERGIES 0700126680-000025 Tower 610-6200-662200	04/01/2024 MROCKLEY 0700126680-000025 Tower	04/11/2024	27.59 27.59	0.00	Paid	Y 04/11/2024
4972310431 64172	WE ENERGIES 0700126680-000027 Police 100-5211-522200	04/01/2024 MROCKLEY 0700126680-000027 Police	04/11/2024	1,648.27 1,648.27	0.00	Paid	Y 04/11/2024
4972310431 64173	WE ENERGIES 0700126680-000028 Miniwaukan 100-5521-522200	04/01/2024 MROCKLEY 0700126680-000028 Miniwaukan Pavilion	04/11/2024	23.89 23.89	0.00	Paid	Y 04/11/2024
4972310431 64174	WE ENERGIES 0700126680-000029 F. Park Sump Pump 100-5521-522200	04/01/2024 MROCKLEY 0700126680-000029 F. Park Sump Pump	04/11/2024	20.63 20.63	0.00	Paid	Y 04/11/2024
4972310431 64175	WE ENERGIES 0700126680-00030 Andrews Street 100-5521-522200	04/01/2024 MROCKLEY 0700126680-00030 Andrews Street	04/11/2024	115.67 115.67	0.00	Paid	Y 04/11/2024
4972310431 64176	WE ENERGIES 0700126680-000031 Holz Gas 620-8010-821200	04/01/2024 MROCKLEY 0700126680-000031 Holz Gas	04/11/2024	401.20 401.20	0.00	Paid	Y 04/11/2024

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INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 04/08/2024 - 04/12/2024
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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
4972310431 64177	WE ENERGIES 0700126680-000032 Well #4 Elec 610-6200-662200	04/01/2024 MROCKLEY 0700126680-000032 Well #4 Elec	04/11/2024	3,151.53 3,151.53	0.00	Paid	Y 04/11/2024
4972310431 64178	WE ENERGIES 0700126680-000033 Parks 100-5521-522200	04/01/2024 MROCKLEY 0700126680-000033 Parks	04/11/2024	30.56 30.56	0.00	Paid	Y 04/11/2024
4972310431 64179	WE ENERGIES 0700126680-000034 Street Lights 100-5342-522200	04/01/2024 MROCKLEY 0700126680-000034 Street Lights	04/11/2024	76.00 76.00	0.00	Paid	Y 04/11/2024
4972310431 64180	WE ENERGIES 0700126680-000036 Flashers 100-5211-522200	04/01/2024 MROCKLEY 0700126680-000036 Flashers	04/11/2024	11.19 11.19	0.00	Paid	Y 04/11/2024
4972310431 64181	WE ENERGIES 0700126680-000037 Well #4 Gas 610-6200-662200	04/01/2024 MROCKLEY 0700126680-000037 Well #4 Gas	04/11/2024	64.68 64.68	0.00	Paid	Y 04/11/2024
4972310431 64182	WE ENERGIES 0700126680-000038 Museum 100-5512-522200	04/01/2024 MROCKLEY 0700126680-000038 Museum	04/11/2024	274.84 274.84	0.00	Paid	Y 04/11/2024
4972310431 64183	WE ENERGIES 0700126680-000039 Well #5 610-6200-662200	04/01/2024 MROCKLEY 0700126680-000039 Well #5	04/11/2024	2,043.84 2,043.84	0.00	Paid	Y 04/11/2024
4972310431 64184	WE ENERGIES 0700126680-00043 Outdoor Stage 100-5521-522200	04/01/2024 MROCKLEY 0700126680-00043 Outdoor Stage	04/11/2024	24.21 24.21	0.00	Paid	Y 04/11/2024
4972310431 64185	WE ENERGIES 0700126680-00048 Miniwauken Park 100-5521-522200	04/01/2024 MROCKLEY 0700126680-00048 Miniwauken Park	04/11/2024	17.21 17.21	0.00	Paid	Y 04/11/2024
4972310431 64187	WE ENERGIES 0709449777-00002 Library Elec 440-5511-522200	04/01/2024 MROCKLEY 0709449777-00002 Library Elec	04/11/2024	2,561.96 2,561.96	0.00	Paid	Y 04/11/2024

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INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 04/08/2024 - 04/12/2024
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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
4972310431 64188	WE ENERGIES 0712697628-00001 Tower Radio Bldg 100-5211-522200	04/01/2024 MROCKLEY 0712697628-00001 Tower Radio Bldg	04/11/2024	30.08 30.08	0.00	Paid	Y 04/11/2024
4972310431 64189	WE ENERGIES 0712697628-00002 Mukw Dam 100-5254-522200	04/01/2024 MROCKLEY 0712697628-00002 Mukw Dam	04/11/2024	20.63 20.63	0.00	Paid	Y 04/11/2024
4972310431 64190	WE ENERGIES 0712697628-00003 PD Tower meter 100-5211-522200	04/01/2024 MROCKLEY 0712697628-00003 PD Tower meter #05662	04/11/2024	21.61 21.61	0.00	Paid	Y 04/11/2024
4972310431 64191	WE ENERGIES 0712697628-00004 1224 Riverton 620-8020-821000	04/01/2024 MROCKLEY 0712697628-00004 1224 Riverton	04/11/2024	149.33 149.33	0.00	Paid	Y 04/11/2024
4972310431 64192	WE ENERGIES 0712697628-00006 Well #7 610-6200-662200	04/01/2024 MROCKLEY 0712697628-00006 Well #7	04/11/2024	790.87 790.87	0.00	Paid	Y 04/11/2024
4972310431 64193	WE ENERGIES 0712697628-00007 School Crossing 100-5342-522200	04/01/2024 MROCKLEY 0712697628-00007 School Crossing Lights	04/11/2024	15.75 15.75	0.00	Paid	Y 04/11/2024
4972310431 64194	WE ENERGIES 0712697628-00008 Field Park Signage 100-5521-522200	04/01/2024 MROCKLEY 0712697628-00008 Field Park Signage	04/11/2024	50.43 50.43	0.00	Paid	Y 04/11/2024
4973470563 64195	WE ENERGIES 0700126680-00015 STREET LIGHTS 100-5342-522200	04/01/2024 MROCKLEY 0700126680-00015 STREET LIGHTS	04/11/2024	10,525.99 10,525.99	0.00	Paid	Y 04/11/2024

Inv Num	Vendor	Inv Date	Due Date	Inv Amt	Amt Due	Status	Jrnalized
Inv Ref#	Description	Entered By					Post Date
	GL Distribution						
# of Invoices:	48	# Due:	0	Totals:	45,133.99	0.00	
# of Credit Memos:	0	# Due:	0	Totals:	0.00	0.00	
Net of Invoices and Credit Memos:				45,133.99	0.00		

--- TOTALS BY GL DISTRIBUTION ---

100-5160-522200	ELECTRIC	1,277.43
100-5160-522400	GAS	271.11
100-5211-522200	ELECTRIC	1,905.40
100-5254-522200	ELECTRIC	20.63
100-5323-522200	ELECTRIC	474.11
100-5323-522400	GAS	440.02
100-5342-522200	ELECTRIC	14,633.72
100-5512-522200	ELECTRIC	274.84
100-5521-522200	ELECTRIC	515.82
150-5221-522200	ELECTRIC	1,804.18
440-5511-522200	ELECTRIC	2,561.96
610-6200-662200	FUEL OR POWER PURCHASED	9,742.71
620-8010-821100	WWTP ELECTRIC POWER	9,515.57
620-8010-821200	NAT GAS/ADMIN BLDG/HEAT EXCH	630.13
620-8020-821000	PUMPING POWER & FUEL	1,066.36

--- TOTALS BY FUND ---

100 - GENERAL FUND	19,813.08	0.00
150 - FIRE/AMBULANCE FUND	1,804.18	0.00
440 - LIBRARY FUND	2,561.96	0.00
610 - WATER UTILITY FUND	9,742.71	0.00
620 - SEWER UTILITY FUND	11,212.06	0.00

--- TOTALS BY DEPT/ACTIVITY ---

5160 - VILLAGE HALL	1,548.54	0.00
5211 - POLICE ADMINISTRATION	1,905.40	0.00
5221 - FIRE ADMINISTRATION	1,804.18	0.00
5254 - DAMS	20.63	0.00
5323 - GARAGE	914.13	0.00
5342 - STREET LIGHTING	14,633.72	0.00
5511 - LIBRARY SERVICES	2,561.96	0.00
5512 - MUSEUM	274.84	0.00
5521 - PARKS	515.82	0.00
6200 - PUMPING OPERATIONS	9,742.71	0.00
8010 - WWTP-TREATMENT/DISPOSAL/GP	10,145.70	0.00
8020 - LIFT STATIONS/PUMPING EQUIP	1,066.36	0.00

Check Date	Bank	Check #	Invoice	Payee	Description	Account	Dept	Amount
Fund: 440 LIBRARY FUND								
04/12/2024	GEN	38437	IMIL2000975	ALSCO	OUTSIDE SERVICES	531000	5511	79.42
04/12/2024	GEN	38438#	1D3Y-XTQ7-XDFL	AMAZON CAPITOL SERVICES	OPERATIONAL SUPPLIES	531100	5511	136.00
			1L1F-X3JL-3KDM		META SPACE EQUIPMENT & FIXTURES	531400	5511	999.96
			13JP-Q7YT-XLJP		COLLECTION MAINTENANCE & REPAIR	531600	5511	39.15
			1TQ6-DJCF-YKVM		COLLECTION MAINTENANCE & REPAIR	531600	5511	94.88
			1Q6Y-J647-3Y3M		METASPACE MAINTENANCE	531700	5511	559.25
			1CGN-GGHK-63R4		THINGERY COLLECTION	533000	5511	356.69
			17NC-71GH-3RQK		PROGRAMMING	533100	5511	130.39
			1T9V-J7VR-VVTC		BOOKS	532800	5700	122.94
			1DTR-Q69D-6DKJ		AV MATERIAL	532900	5700	744.31
			CHECK GEN 38438 TOTAL FOR FUN					
04/12/2024	GEN	38439	52948	AMERICA AQUARIA	OUTSIDE SERVICES	531000	5511	85.00
04/12/2024	GEN	38440	2038151694	BAKER & TAYLOR INC.	BOOKS	532800	5700	175.56
			2038151695		BOOKS	532800	5700	128.05
			2038153821		BOOKS	532800	5700	42.95
			2038153822		BOOKS	532800	5700	1,053.72
			2038168947		BOOKS	532800	5700	186.14
			2038168948		BOOKS	532800	5700	145.76
			2038185211		BOOKS	532800	5700	43.59
			2038185212		BOOKS	532800	5700	228.00
			2038202983		BOOKS	532800	5700	876.01
			2038202984		BOOKS	532800	5700	112.14
			2038206179		BOOKS	532800	5700	50.69
			2038206180		BOOKS	532800	5700	721.64
CHECK GEN 38440 TOTAL FOR FUN								3,764.25
04/12/2024	GEN	38441	76927	BAYSCAN TECHNOLOGIES	EQUIPMENT LESS THAN \$5000	581100	5700	2,789.00
04/12/2024	GEN	38442	2547	BERNSTEIN & ASSOCIATES, LLC	DONATED FUND EXPENDITURES	580600	5890	480.00
04/12/2024	GEN	38443	B6760235	BRODART	BOOKS	532800	5700	103.00
			B6766399		BOOKS	532800	5700	187.96
			B6766595		BOOKS	532800	5700	357.24
			B6770566		BOOKS	532800	5700	120.17
CHECK GEN 38443 TOTAL FOR FUN								768.37
04/12/2024	GEN	38444	84002454	CENGAGE LEARNING	BOOKS	532800	5700	26.33

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CHECK DISBURSEMENT REPORT FOR MUKWONAGO
CHECK NUMBER 38437 - 38460

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Check Date	Bank	Check #	Invoice	Payee	Description	Account	Dept	Amount	
Fund: 440 LIBRARY FUND									
			84063796		BOOKS	532800	5700	24.00	
				CHECK GEN 38444 TOTAL FOR FUN					50.39
04/12/2024	GEN	38445	679833	COMPLETE OFFICE OF WISCONSIN	OPERATIONAL SUPPLIES	531100	5511	169.27	
			672346		OPERATIONAL SUPPLIES	531100	5511	205.55	
				CHECK GEN 38445 TOTAL FOR FUN					374.82
04/12/2024	GEN	38446	7454815	DEMCO INC	COLLECTION MAINTENANCE & REPAIR	531600	5511	193.90	
04/12/2024	GEN	38447	24369500-2	ENGBERG ANDERSON ARCHITECTS	DONATED FUND EXPENDITURES	580600	5890	2,020.20	
04/12/2024	GEN	38448	36217583	GREAT AMERICAN FINANCIAL SVCS	CONTRACTUAL SERVICES	522000	5511	353.14	
04/12/2024	GEN	38449	960003635	ILLINGWORTH KILGUST	CONTRACTUAL SERVICES	522000	5511	2,000.50	
			930029972		REPAIRS & MAINTENANCE	539500	5511	761.00	
				CHECK GEN 38449 TOTAL FOR FUN					2,761.50
04/12/2024	GEN	38450	3185957	IMPACT ACQUISITIONS, LLC	CONTRACTUAL SERVICES	522000	5511	291.59	
04/12/2024	GEN	38451	887	KLASSY KLEANERS	OUTSIDE SERVICES	531000	5511	1,200.00	
04/12/2024	GEN	38452	1001	LORI MUELLER	TRAINING & TRAVEL	533500	5511	450.00	
04/12/2024	GEN	38453	505272209	MIDWEST TAPE	DIGITAL COLLECTIONS	534900	5511	1,079.64	
04/12/2024	GEN	38454	455720	PLAYAWAY PRODUCTS LLC	COLLECTION MAINTENANCE & REPAIR	531600	5511	16.73	
04/12/2024	GEN	38455	MARCH	PRIDE, JAMES	TRAINING & TRAVEL	533500	5511	24.79	
04/12/2024	GEN	38456	37871229	QUILL LLC	OPERATIONAL SUPPLIES	531100	5511	41.38	
04/12/2024	GEN	38457	221453	ROMAN ELECTRIC CO., INC.	REPAIRS & MAINTENANCE	539500	5511	490.25	
04/12/2024	GEN	38458	7153900147	SCHINDLER ELEVATOR CORP	REPAIRS & MAINTENANCE	539500	5511	1,060.52	
04/12/2024	GEN	38459	532	SULLIVAN, MICHAEL	BOOKS	532800	5700	10.00	
04/12/2024	GEN	38460	6125016	UNIQUE MANAGEMENT	OUTSIDE SERVICES	531000	5511	9.85	
				Total for fund 440 LIBRARY FUND					21,578.31

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User: MROCKLEY
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CHECK DISBURSEMENT REPORT FOR MUKWONAGO
CHECK NUMBER 38462
Banks: GEN

Check Date	Bank	Check #	Payee	Description	GL #	Amount
04/16/2024	GEN	38462	TOWN OF MUKWONAGO	2023 FIRE DEPT SETTLEMENT	150-0000-244100	246,551.12
			TOTAL - ALL FUNDS	TOTAL OF 1 CHECKS		246,551.12

04/24/2024 09:41 AM			CHECK DISBURSEMENT REPORT FOR MUKWONAGO										Page 1/1	
User: MROCKLEY			CHECK NUMBER 801											
DB: Mukwonago			Banks: GEN											
Check Date	Bank	Check #	Payee	Description						GL #	Amount			
04/17/2024	GEN	801 (E)	UKG INC.	PAYROLL PROCESSING FEES MARCH 2024						100-5111-539900	96.46			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						100-5120-539900	27.56			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						100-5142-539900	41.34			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						100-5145-539900	55.13			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						100-5211-539900	137.80			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						100-5212-539900	124.02			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						100-5213-521900	27.56			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						100-5241-539900	27.56			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						100-5300-539900	110.24			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						100-5632-539900	13.78			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						150-5221-539900	440.96			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						150-5233-531100	82.68			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						440-5511-534000	385.84			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						610-6902-690300	55.12			
		801 (E)		PAYROLL PROCESSING FEES MARCH 2024						620-8300-840000	41.34			
										1,667.39				
TOTAL - ALL FUNDS				TOTAL OF 1 CHECKS						1,667.39				

Check Date	Bank	Check #	Payee	Description	GL #	Amount
04/19/2024	GEN	38548	ANTHONY TAMEL	2024 COURT FINES / RESTITUTION	100-0000-233000	1,000.00
04/19/2024	GEN	38549	BROOKE FUNK	2024 COURT FINES REIMB	100-0000-233000	185.00
04/19/2024	GEN	38550	RUBEN ORTIZ	2024 COURT FINES REIMB	100-0000-233000	222.80
04/19/2024	GEN	38551	TREASURER STATE OF WI	MARCH 2024 COURT FINES AND FEES	100-0000-242400	4,131.57
04/19/2024	GEN	38552	TREASURER WAUKESHA COUNTY	MARCH 2024 COURT FINES & FEES	100-0000-243240	1,371.25
			TOTAL - ALL FUNDS	TOTAL OF 5 CHECKS		6,910.62

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INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 04/22/2024 - 04/22/2024
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BANK CODE: GEN - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
ARMOUR ABBY 64197	AMZ*BANNER BUZZ KAYAK BANNER 440-5511-531600	03/28/2024 MROCKLEY	04/22/2024	26.11	0.00	Paid	Y 04/22/2024
		COLLECTION MAINTENANCE & REPAIR		26.11			
ARMOUR ABBY 64198	UNITED 0162379463589 AIRFARE FOR NAGPRA DELIVERY 440-5890-580600	04/10/2024 MROCKLEY	04/22/2024	815.70	0.00	Paid	Y 04/22/2024
		DONATED FUND EXPENDITURES		815.70			
BITTNER RONALD 64199	WWW.UI.COM DISPATCH CAMERA 100-5211-522950	04/03/2024 MROCKLEY	04/22/2024	192.00	0.00	Paid	Y 04/22/2024
		IT DEVICES (NON CAPITAL) & SUPPLIES		192.00			
BONK JASON 64200	US BANK CREDIT CARD REFUND 610-6920-693000 620-8400-854100	03/29/2024 MROCKLEY	04/22/2024	(112.35)	0.00	Paid	Y 04/22/2024
		MISC GENERAL EXPENSES		(56.17)			
		EDUCATIONAL/TRAINING EXPENSES		(56.18)			
BONK JASON 64201	KWIK TRIP #306 TRAINING-FUEL 610-6920-693000 620-8400-854100	03/29/2024 MROCKLEY	04/22/2024	48.02	0.00	Paid	Y 04/22/2024
		MISC GENERAL EXPENSES		24.01			
		EDUCATIONAL/TRAINING EXPENSES		24.01			
CASTLE WAYNE A 64202	US BANK CREDIT CARD REFUND 610-6920-693000 620-8400-854100	03/29/2024 MROCKLEY	04/22/2024	(92.10)	0.00	Paid	Y 04/22/2024
		MISC GENERAL EXPENSES		(46.05)			
		EDUCATIONAL/TRAINING EXPENSES		(46.05)			
CEITHAMER EMILY 64203	DISNEY PLUS ROKU BUNDLE 440-5511-531800	03/20/2024 MROCKLEY	04/22/2024	15.81	0.00	Paid	Y 04/22/2024
		THINGERY MAINTENANCE		15.81			
CEITHAMER EMILY 64204	SHELFWIZ SHELF TALKERS 440-5511-531100	03/21/2024 MROCKLEY	04/22/2024	169.05	0.00	Paid	Y 04/22/2024
		OPERATIONAL SUPPLIES		169.05			
CEITHAMER EMILY 64205	WALMART.COM CRICUT VINYL	04/02/2024 MROCKLEY	04/22/2024	7.32	0.00	Paid	Y 04/22/2024

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Purchase Card Vendor: 0002 US BANK							
	440-5511-533100	PROGRAMMING		7.32			
CEITHAMER EMILY							
64206	WAL-MART #1571	04/03/2024	04/22/2024	35.58	0.00	Paid	Y
	PROGRAM SUPPLIES	MROCKLEY					04/22/2024
	440-5511-533100	PROGRAMMING		35.58			
CEITHAMER EMILY							
64207	INTL CRANE FDN.	04/04/2024	04/22/2024	60.00	0.00	Paid	Y
	EXPLORE PASS PD BY FRIENDS	MROCKLEY					04/22/2024
	440-5890-580600	DONATED FUND EXPENDITURES		60.00			
CEITHAMER EMILY							
64208	CRAFTCUTS	04/04/2024	04/22/2024	355.63	0.00	Paid	Y
	STANDING LETTERS	MROCKLEY					04/22/2024
	440-5890-580600	DONATED FUND EXPENDITURES		355.63			
CEITHAMER EMILY							
64209	DEMCO INC	04/05/2024	04/22/2024	241.00	0.00	Paid	Y
	BAG RACK	MROCKLEY					04/22/2024
	440-5511-581000	FURNITURE & FIXTURES		241.00			
CEITHAMER EMILY							
64210	DEMCO INC	04/08/2024	04/22/2024	43.70	0.00	Paid	Y
	HANGING BAGS	MROCKLEY					04/22/2024
	440-5511-531600	COLLECTION MAINTENANCE & REPAIR		43.70			
CEITHAMER EMILY							
64211	WI HISTORICAL FND	04/09/2024	04/22/2024	1,000.00	0.00	Paid	Y
	EXPLORE PASS PD BY FRIENDS	MROCKLEY					04/22/2024
	440-5890-580600	DONATED FUND EXPENDITURES		1,000.00			
DEMOTTO CHRIS							
64212	AMZN MKTP US*RH6VY23A0	03/15/2024	04/22/2024	537.84	0.00	Paid	Y
	CABLES AND PERIPHERALS - DISPATCH	MROCKLEY					04/22/2024
	430-5700-571100	POLICE DEPT CAPITAL EQUIP		537.84			
DEMOTTO CHRIS							
64213	AMZN MKTP US*R67WC3SE2	03/15/2024	04/22/2024	89.99	0.00	Paid	Y
	CAT 6 CABLE - DISPATCH REMODEL	MROCKLEY					04/22/2024
	430-5700-571100	POLICE DEPT CAPITAL EQUIP		89.99			
DEMOTTO CHRIS							
64214	AMZN MKTP US*RH30R86A0	03/18/2024	04/22/2024	87.29	0.00	Paid	Y
	CABLE - DISPATCH REMODEL	MROCKLEY					04/22/2024
	430-5700-571100	POLICE DEPT CAPITAL EQUIP		87.29			

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Purchase Card Vendor: 0002 US BANK							
DEMOTTO CHRIS 64215	AMZN MKTP US*RH8402HF2 BATTERIES, KEYBOARD AND MOUSE - 430-5700-571100	03/21/2024 MROCKLEY	04/22/2024	136.67	0.00	Paid	Y 04/22/2024
	POLICE DEPT CAPITAL EQUIP			136.67			
DEMOTTO CHRIS 64216	THE HOME DEPOT #4921 CABINETS - DISPATCH REMODEL 430-5700-571100	03/29/2024 MROCKLEY	04/22/2024	1,310.16	0.00	Paid	Y 04/22/2024
	POLICE DEPT CAPITAL EQUIP			1,310.16			
DEMOTTO CHRIS 64217	AMZN MKTP US*IS6TE8BL3 TRASH CAN AND CABINET ORGANIZERS - 430-5700-571100	03/30/2024 MROCKLEY	04/22/2024	195.99	0.00	Paid	Y 04/22/2024
	POLICE DEPT CAPITAL EQUIP			195.99			
DEMOTTO CHRIS 64218	THE HOME DEPOT #4921 CABINET HARDWARE - DISPATCH REMODEL 430-5700-571100	04/01/2024 MROCKLEY	04/22/2024	34.54	0.00	Paid	Y 04/22/2024
	POLICE DEPT CAPITAL EQUIP			34.54			
DEMOTTO CHRIS 64219	AMZN MKTP US*202DH2PP3 EXTENSION CORDS AND HDMI CABLE - 430-5700-571100	04/07/2024 MROCKLEY	04/22/2024	36.28	0.00	Paid	Y 04/22/2024
	POLICE DEPT CAPITAL EQUIP			36.28			
DOHERTY DIANA 64220	CERTIF A GIFT GOUROUX RETIREMENT GIFT 100-5141-539800	04/10/2024 MROCKLEY	04/22/2024	465.97	0.00	Paid	Y 04/22/2024
	EMPLOYEE RECOGNITION			465.97			
DOHERTY DIANA 64221	UW LOCAL GOV EDUCATION STATE REPORT WEBINAR 100-5145-533500	04/11/2024 MROCKLEY	04/22/2024	20.00	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL			20.00			
DOHERTY DIANA 64222	VBS*VONAGE BUSINESS APRIL 2024 VONAGE PHONE BILL 100-5141-522500	04/12/2024 MROCKLEY	04/22/2024	1,554.71	0.00	Paid	Y 04/22/2024
	TELEPHONE			19.50			
	TELEPHONE			87.99			
	SOFTWARE SUPPORT/MAINTENANCE			87.73			
	TELEPHONE			58.50			
	TELEPHONE			19.50			
	TELEPHONE			39.25			
	TELEPHONE			19.50			

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Purchase Card Vendor: 0002 US BANK							
	100-5120-522500	TELEPHONE		19.50			
	100-5211-522500	TELEPHONE		365.19			
	150-5221-522500	TELEPHONE		356.22			
	440-5511-522500	TELEPHONE		398.59			
	610-6920-692100	OFFICE SUPPLIES & EXPENSES		41.62			
	620-8400-851000	OFFICE SUPPLIES & EXPENSES		41.62			
DYKSTRA DIANA 64223	THE BUSINESS JOURNALS BUSINESS JOURNAL 100-5141-521900	03/17/2024 MROCKLEY PROFESSIONAL SERVICES	04/22/2024	4.00 4.00	0.00	Paid	Y 04/22/2024
DYKSTRA DIANA 64224	SP EXCELMARK NOTARY STAMP DEPUTY 100-5142-531100	03/18/2024 MROCKLEY NOTARY STAMP DEPUTY	04/22/2024	42.43 42.43	0.00	Paid	Y 04/22/2024
DYKSTRA DIANA 64225	LOCAL GOVERNMENT EDUCATIO YEAR 1 DEPUTY CLERK INSTITUTE 100-5142-533500	03/18/2024 MROCKLEY YEAR 1 DEPUTY CLERK INSTITUTE	04/22/2024	499.00 499.00	0.00	Paid	Y 04/22/2024
DYKSTRA DIANA 64226	IIMC IIMC MEMBERSHIP DEPUTY 100-5142-532400	03/18/2024 MROCKLEY IIMC MEMBERSHIP DEPUTY	04/22/2024	125.00 125.00	0.00	Paid	Y 04/22/2024
DYKSTRA DIANA 64227	UW LOCAL GOV EDUCATION BOR CLASS MATERIALS 100-5153-531100	03/19/2024 MROCKLEY BOR CLASS SUPPLIES	04/22/2024	115.00 115.00	0.00	Paid	Y 04/22/2024
DYKSTRA DIANA 64228	COUSINS SUBS STRATEGIC PLAN - BOARD 100-5141-531100	03/20/2024 MROCKLEY STRATEGIC PLAN - BOARD	04/22/2024	65.03 65.03	0.00	Paid	Y 04/22/2024
DYKSTRA DIANA 64229	DOLLARTREE SUPPLIES 100-5144-531100	04/01/2024 MROCKLEY OPERATIONAL SUPPLIES	04/22/2024	18.11 18.11	0.00	Paid	Y 04/22/2024
DYKSTRA DIANA 64230	COUSINS SUBS #9160 LUNCH ELECTION WORKERS 100-5144-531100	04/02/2024 MROCKLEY LUNCH ELECTION WORKERS	04/22/2024	136.06 136.06	0.00	Paid	Y 04/22/2024

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Purchase Card Vendor: 0002 US BANK							
DYKSTRA DIANA 64231	UW LOCAL GOV EDUCATION ALCOHOL LICENSING UW EX CLASS 100-5142-533500	04/04/2024 MROCKLEY	04/22/2024	20.00	0.00	Paid	Y 04/22/2024
	ALCOHOL LIC UW EX CLASS DEPUTY			20.00			
DYKSTRA DIANA 64232	SP ELECTIONSOURCE ELECTION TTAPE ROLLS SECRTY SEALS 100-5144-531100	04/09/2024 MROCKLEY	04/22/2024	67.00	0.00	Paid	Y 04/22/2024
	ELECTION ROLLS & SECURITY SEALS			67.00			
DYKSTRA DIANA 64233	THE BUSINESS JOURNALS BUSINESS JOURNAL RENEWAL 100-5141-532400	04/14/2024 MROCKLEY	04/22/2024	190.00	0.00	Paid	Y 04/22/2024
	BUSINESS JOURNAL RENEWAL			190.00			
GOURDOUX LINDA 64234	METRO MARKET #384 ELECTION SUPPLIES 100-5144-531100	04/01/2024 MROCKLEY	04/22/2024	103.01	0.00	Paid	Y 04/22/2024
	ELECTION SUPPLIES			103.01			
KIM CATHRYN 64235	WAL-MART #1571 OFFICE SUPPLIES 440-5511-531100	03/15/2024 MROCKLEY	04/22/2024	29.85	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			29.85			
KIM CATHRYN 64236	MICHAELS #9490 ROLLING CART 440-5511-531700	03/16/2024 MROCKLEY	04/22/2024	63.98	0.00	Paid	Y 04/22/2024
	METASPACE MAINTENANCE			63.98			
KIM CATHRYN 64237	DOLLAR GENERAL #10855 BINGO PRIZES 440-5511-533100	03/19/2024 MROCKLEY	04/22/2024	34.75	0.00	Paid	Y 04/22/2024
	PROGRAMMING			34.75			
KIM CATHRYN 64238	ZOOM.US 888-799-9666 ANNUAL RENEWAL 440-5511-534000	03/20/2024 MROCKLEY	04/22/2024	167.90	0.00	Paid	Y 04/22/2024
	ELECTRONIC TOOLS & SERVICES			167.90			
KIM CATHRYN 64239	WM SUPERCENTER #1571 CLEANING SUPPLIES 440-5511-531100	03/21/2024 MROCKLEY	04/22/2024	53.71	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			53.71			

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Purchase Card Vendor: 0002 US BANK							
KIM CATHRYN 64240	US BANK ZOOM CREDIT 440-5511-534000	03/26/2024 MROCKLEY	04/22/2024	(8.00)	0.00	Paid	Y 04/22/2024
	ELECTRONIC TOOLS & SERVICES			(8.00)			
KIM CATHRYN 64241	ALL STAR RENTALS DOWN PAYMENT FOR SLP KICKOFF 440-5890-580600	03/29/2024 MROCKLEY	04/22/2024	648.50	0.00	Paid	Y 04/22/2024
	DONATED FUND EXPENDITURES			648.50			
KIM CATHRYN 64242	NETFLIX.COM 4/1/24-4/30/24 STREAMING SERVICE 440-5511-531800	04/01/2024 MROCKLEY	04/22/2024	22.99	0.00	Paid	Y 04/22/2024
	THINGERY MAINTENANCE			22.99			
KIM CATHRYN 64243	AMERLIBASSOC ECOMMERCE ALA MEMBERSHIP DUES 440-5511-533500	04/06/2024 MROCKLEY	04/22/2024	58.00	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL			58.00			
KIM CATHRYN 64244	AMERICAN LIBRARY ASSOC ALA COURSES 440-5511-533500	04/06/2024 MROCKLEY	04/22/2024	385.20	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL			385.20			
KIM CATHRYN 64245	WAL-MART #1571 CLEANING SUPPLIES 440-5511-531100	04/10/2024 MROCKLEY	04/22/2024	55.23	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			55.23			
KINDER MATTHEW 64246	GLOBAL DETECTION SYSTEMS DIGESTER-REPLACEMENT GAS SENSORS 620-8010-827000	03/25/2024 MROCKLEY	04/22/2024	697.47	0.00	Paid	Y 04/22/2024
	OPERATION SUPPLY/EXPENSE			697.47			
KINDER MATTHEW 64247	GLOBAL DETECTION SYSTEMS DIGESTER-CALIBRATION GAS 620-8010-827000	04/01/2024 MROCKLEY	04/22/2024	549.53	0.00	Paid	Y 04/22/2024
	OPERATION SUPPLY/EXPENSE			549.53			
KREISER ROBERT 64248	THE HOME DEPOT #4921 HARDWARE - DISPATCH REMODEL 430-5700-571100	03/14/2024 MROCKLEY	04/22/2024	14.97	0.00	Paid	Y 04/22/2024
	POLICE DEPT CAPITAL EQUIP			14.97			

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Purchase Card Vendor: 0002 US BANK							
KUBIAK MICHAEL 64249	AEDLAND.COM AED PADS 100-5212-531100	03/16/2024 MROCKLEY	04/22/2024	45.00 45.00	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES						
KUBIAK MICHAEL 64250	AMZN MKTP US*RA8GK0670 NNO SUPPLIES 340-5890-580602	03/25/2024 MROCKLEY	04/22/2024	12.98 12.98	0.00	Paid	Y 04/22/2024
	POLICE DESIGNATED FUND EXPENDITURES						
KUBIAK MICHAEL 64251	BUILDASIGN NNO SIGNS 340-5890-580602	03/28/2024 MROCKLEY	04/22/2024	272.10 272.10	0.00	Paid	Y 04/22/2024
	POLICE DESIGNATED FUND EXPENDITURES						
KUBIAK MICHAEL 64252	AMZN MKTP US*7G3UV6WT3 MEDICAL KIT SUPPLIES 100-5212-531100	04/06/2024 MROCKLEY	04/22/2024	18.50 18.50	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES						
KUBIAK MICHAEL 64253	AMZN MKTP US*TM38S3W93 MEDICAL KIT SUPPLIES 100-5212-531100	04/06/2024 MROCKLEY	04/22/2024	15.99 15.99	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES						
KUBIAK MICHAEL 64254	AMZN MKTP US*AQ38R7Y23 NNO SUPPLIES 340-5890-580602	04/07/2024 MROCKLEY	04/22/2024	16.98 16.98	0.00	Paid	Y 04/22/2024
	POLICE DESIGNATED FUND EXPENDITURES						
KUBIAK MICHAEL 64255	AMZN MKTP US*EL62S1BD3 MEDICAL KIT SUPPLIES 100-5212-531100	04/07/2024 MROCKLEY	04/22/2024	44.96 44.96	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES						
KUBIAK MICHAEL 64256	AMAZON.COM*GO15A7X03 NNO SUPPLIES 340-5890-580602	04/11/2024 MROCKLEY	04/22/2024	63.20 63.20	0.00	Paid	Y 04/22/2024
	POLICE DESIGNATED FUND EXPENDITURES						
KUBIAK MICHAEL 64257	AMZN MKTP US*FE5VG6LC3 NNO SUPPLIES 340-5890-580602	04/11/2024 MROCKLEY	04/22/2024	169.95 169.95	0.00	Paid	Y 04/22/2024
	POLICE DESIGNATED FUND EXPENDITURES						

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Purchase Card Vendor: 0002 US BANK							
KUBIAK MICHAEL 64258	AMZN MKTP US*FP6K301P3 NNO GIVEAWAYS, PRIZES AND SUPPLIES 340-5890-580602	04/15/2024 MROCKLEY	04/22/2024	440.44	0.00	Paid	Y 04/22/2024
		POLICE DESIGNATED FUND EXPENDITURES		440.44			
MILLER KENNETH 64259	EBAY O*26-11386-65571 DIGESTER-HVAC ACTUATOR 620-8010-827000	04/04/2024 MROCKLEY	04/22/2024	315.00	0.00	Paid	Y 04/22/2024
		OPERATION SUPPLY/EXPENSE		315.00			
MILLER KENNETH 64260	FARM & FLEET OF WAUKESHA CLEANING SUPPLIES 620-8010-827000	04/06/2024 MROCKLEY	04/22/2024	56.68	0.00	Paid	Y 04/22/2024
		OPERATION SUPPLY/EXPENSE		56.68			
MILLER KENNETH 64261	AMZN MKTP US*SN01Q2M73 WELL MOTOR OIL ADDITIVE 610-6210-662300	04/09/2024 MROCKLEY	04/22/2024	49.00	0.00	Paid	Y 04/22/2024
		OPERATION SUPPLY/EXP-PUMPING		49.00			
PETERSON RANDY 64262	VBELTS4LESS LLC MOWER BELTS 100-5324-539500	03/15/2024 MROCKLEY	04/22/2024	211.36	0.00	Paid	Y 04/22/2024
		REPAIRS & MAINTENANCE		211.36			
PETERSON RANDY 64263	ISA ISA STUDY GUIDE 100-5323-533500	03/21/2024 MROCKLEY	04/22/2024	163.13	0.00	Paid	Y 04/22/2024
		TRAINING & TRAVEL		163.13			
PETERSON RANDY 64264	US BANK YES WELDER REFUND 100-5323-531100	04/07/2024 MROCKLEY	04/22/2024	(600.00)	0.00	Paid	Y 04/22/2024
		OPERATIONAL SUPPLIES		(600.00)			
PETERSON RANDY 64265	SIMPLE TIRE ZERO TURN TIRES 100-5324-539500	04/12/2024 MROCKLEY	04/22/2024	174.76	0.00	Paid	Y 04/22/2024
		REPAIRS & MAINTENANCE		174.76			
RUTENBECK TIM 64266	DSPS E SERVICE FEE REN DSPS CONVENIENCE FEE 100-5241-533500	04/01/2024 MROCKLEY	04/22/2024	1.07	0.00	Paid	Y 04/22/2024
		DSPS CONVENIENCE FEE		1.07			

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Purchase Card Vendor: 0002 US BANK							
RUTENBECK TIM 64267	WI DSPS LICENSURE WI DSPS LIC RUTENBECK 100-5241-533500	04/01/2024 MROCKLEY WI DSPS LIC RUTENBECK	04/22/2024	47.53 47.53	0.00	Paid	Y 04/22/2024
STIEN JEFFREY R 64268	SP MOORING TECH COMPUTER MOUNT B34 150-5222-531100	03/18/2024 MROCKLEY OPERATIONAL SUPPLIES	04/22/2024	199.50 199.50	0.00	Paid	Y 04/22/2024
STIEN JEFFREY R 64269	AMZN MKTP US*R66Y77M11 AED BATTERY T34 150-5231-531100	03/18/2024 MROCKLEY OPERATIONAL SUPPLIES	04/22/2024	184.77 184.77	0.00	Paid	Y 04/22/2024
STIEN JEFFREY R 64270	AMZN MKTP US*RH5C61T52 AMAZON BATTERIES 150-5231-531100	03/19/2024 MROCKLEY OPERATIONAL SUPPLIES	04/22/2024	3.86 3.86	0.00	Paid	Y 04/22/2024
STIEN JEFFREY R 64271	OFFROAD-ED.COM WI DNR ATV COURSE- ROLBIECKI 150-5233-533500	03/26/2024 MROCKLEY TRAINING & TRAVEL	04/22/2024	35.95 35.95	0.00	Paid	Y 04/22/2024
STIEN JEFFREY R 64272	AMZN MKTP US*RA4DV78A1 CAD COMPUTER FAN 150-5221-539500	04/01/2024 MROCKLEY REPAIRS & MAINTENANCE	04/22/2024	21.28 21.28	0.00	Paid	Y 04/22/2024
STIEN JEFFREY R 64273	AMAZON.COM*RA38S0601 U34 AND B34 TRAILER HITCH 150-5222-531100	04/01/2024 MROCKLEY OPERATIONAL SUPPLIES	04/22/2024	201.98 201.98	0.00	Paid	Y 04/22/2024
STIEN JEFFREY R 64274	EAGLE ENGRAVING INC EAGLE ENGRAVING TAGS AND LOCKER 150-5222-531100	04/03/2024 MROCKLEY OPERATIONAL SUPPLIES	04/22/2024	100.75 100.75	0.00	Paid	Y 04/22/2024
STIEN JEFFREY R 64275	WM SUPERCENTER #1571 STATION SUPPLIES 150-5221-531100	04/04/2024 MROCKLEY OPERATIONAL SUPPLIES	04/22/2024	30.28 30.28	0.00	Paid	Y 04/22/2024

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
STIEN JEFFREY R 64276	METRO MARKET #384 STATION SUPPLIES 150-5221-531100	04/05/2024 MROCKLEY	04/22/2024	79.68	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			79.68			
STIEN JEFFREY R 64277	DRI*GALLUP GALLUP- CUOMO LEADERSHIP 150-5233-533500	04/06/2024 MROCKLEY	04/22/2024	62.99	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL			62.99			
STIEN JEFFREY R 64278	DRI*GALLUP GALLUP- BARKOW LEADERSHIP 150-5221-533500	04/06/2024 MROCKLEY	04/22/2024	62.99	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL			62.99			
STIEN JEFFREY R 64279	AMZN MKTP US*111074HE3 BLUETOOTH ADAPTER 150-5231-531100	04/07/2024 MROCKLEY	04/22/2024	22.98	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			22.98			
STIEN JEFFREY R 64280	WAL-MART #1571 STATION SUPPLIES 150-5221-531100	04/09/2024 MROCKLEY	04/22/2024	57.50	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			57.50			
STIEN JEFFREY R 64281	SUNBELT RENTALS #0365 LIFT RENTAL 150-5222-539500	04/09/2024 MROCKLEY	04/22/2024	1.00	0.00	Paid	Y 04/22/2024
	REPAIRS & MAINTENANCE			1.00			
STIEN JEFFREY R 64282	UNDERWATER CONNECTION UNDERWATER CONNECTION 342.88- AOW- 150-5221-533500	04/09/2024 MROCKLEY	04/22/2024	342.88	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL			342.88			
STIEN JEFFREY R 64283	UNDERWATER CONNECTION UNDERWATER CONNECTION 342.88- AOW- 150-5233-533500	04/09/2024 MROCKLEY	04/22/2024	342.88	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL			342.88			
STIEN JEFFREY R 64284	UNDERWATER CONNECTION UNDERWATER CONNECTION 342.88- AOW- 150-5221-533500	04/09/2024 MROCKLEY	04/22/2024	342.88	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL			342.88			

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Purchase Card Vendor: 0002 US BANK							
STIEN JEFFREY R 64285	DRAGONFLY * MUKWONAGO DRAGONFLY ROLBIECKI 98.70 150-5233-534600	04/10/2024 MROCKLEY	04/22/2024	98.70 98.70	0.00	Paid	Y 04/22/2024
	CLOTHING ALLOWANCE						
STIEN JEFFREY R 64286	SUNBELT RENTALS #0365 LIFT RENTAL 150-5222-539500	04/11/2024 MROCKLEY	04/22/2024	315.00 157.50 157.50	0.00	Paid	Y 04/22/2024
	REPAIRS & MAINTENANCE REPAIRS & MAINTENANCE						
STREIT DANIEL 64287	AMAZON.COM*RA66O6NX0 DISPATCH WEEK GIFTS 100-5211-539900	03/22/2024 MROCKLEY	04/22/2024	47.94 47.94	0.00	Paid	Y 04/22/2024
	OTHER						
STREIT DANIEL 64288	AMZN MKTP US*H407O63J3 OFFICE SUPPLIES 100-5211-531100	04/01/2024 MROCKLEY	04/22/2024	12.13 12.13	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES						
STREIT DANIEL 64289	AMZN MKTP US*D30S85KA3 OFFICE SUPPLIES 100-5211-531100	04/03/2024 MROCKLEY	04/22/2024	41.41 41.41	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES						
STREIT DANIEL 64290	AMZN MKTP US*YI5OK0IS3 WOODEN CERTIFICATE HOLDER FRAME 100-5211-531100	04/08/2024 MROCKLEY	04/22/2024	36.94 36.94	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES						
STREIT DANIEL 64291	US BANK AMAZON SHIPPING REFUND 100-5211-531100	04/09/2024 MROCKLEY	04/22/2024	(6.99) (6.99)	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES						
STREIT DANIEL 64292	AMZN MKTP US*0D5T05RX3 NNO GIVEAWAYS 340-5890-580602	04/10/2024 MROCKLEY	04/22/2024	157.24 157.24	0.00	Paid	Y 04/22/2024
	POLICE DESIGNATED FUND EXPENDITURES						
STREIT DANIEL 64293	AMZN MKTP US*VA0VV0P83 NNO GIVEAWAYS 340-5890-580602	04/15/2024 MROCKLEY	04/22/2024	110.35 110.35	0.00	Paid	Y 04/22/2024
	POLICE DESIGNATED FUND EXPENDITURES						

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Purchase Card Vendor: 0002 US BANK							
SUKOWATY JAYME 64294	WISCONSIN WASTEWATER OPER WWOA BIOSOLIDS SYMPOSIUM 620-8400-854100	03/15/2024 MROCKLEY	04/22/2024	103.50	0.00	Paid	Y 04/22/2024
	EDUCATIONAL/TRAINING EXPENSES			103.50			
SUKOWATY JAYME 64295	USPS PO 5657100149 COMPLIANCE SAMPLING- FLUORIDE SAMPLE 610-6300-663200	04/03/2024 MROCKLEY	04/22/2024	5.10	0.00	Paid	Y 04/22/2024
	OPERATION SUPPLY/EXP-TREATMENT			5.10			
SURA MATTHEW J 64296	WWW.STANDRIS.COM STETHOSCOPES 150-5231-531100	03/19/2024 MROCKLEY	04/22/2024	158.24	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			158.24			
SURA MATTHEW J 64297	DICKSSPORTINGGOODS.COM DICKS CLOTHING 167.99- FICKAU 150-5221-534600	03/21/2024 MROCKLEY	04/22/2024	167.99	0.00	Paid	Y 04/22/2024
	CLOTHING ALLOWANCE			167.99			
SURA MATTHEW J 64298	NIKE.COM CLOTHING SURA 150-5233-534600	04/05/2024 MROCKLEY	04/22/2024	176.40	0.00	Paid	Y 04/22/2024
	CLOTHING ALLOWANCE			176.40			
SURA MATTHEW J 64299	APPLE.COM/BILL APPLE STORAGE 150-5231-531100	04/08/2024 MROCKLEY	04/22/2024	0.99	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			0.99			
SURA MATTHEW J 64300	BESTBUYCOM806930590304 TRAINING RECEIVER 150-5223-531100	04/11/2024 MROCKLEY	04/22/2024	308.99	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			154.49			
	OPERATIONAL SUPPLIES			154.50			
SURA MATTHEW J 64301	BESTBUYCOM806930583110 TRAINING APPLE DEVICE 150-5223-531100	04/11/2024 MROCKLEY	04/22/2024	129.99	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			64.99			
	OPERATIONAL SUPPLIES			65.00			
WEGNER ANDREW P 64302	CONWAY SHIELD HELMET FRONTS 150-5222-531100	04/10/2024 MROCKLEY	04/22/2024	56.50	0.00	Paid	Y 04/22/2024
	OPERATIONAL SUPPLIES			56.50			

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Purchase Card Vendor: 0002 US BANK							
WILHARMS MICHAEL 64303	ISA ISA STUDY COURSE 100-5323-533500	03/27/2024 MROCKLEY	04/22/2024	610.90 610.90	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL						
WILHARMS MICHAEL 64304	WISCONSIN PARK AND RECREA WISCONSIN PARK AND REC INSPECTION 100-5323-533500	03/27/2024 MROCKLEY	04/22/2024	1,050.00 1,050.00	0.00	Paid	Y 04/22/2024
	TRAINING & TRAVEL						
WILHARMS MICHAEL 64305	WISCONSIN PARK AND RECREA WISCONSIN PARK AND REC ASSOCIATION 100-5300-532400	03/27/2024 MROCKLEY	04/22/2024	775.00 775.00	0.00	Paid	Y 04/22/2024
	MEMBERSHIP DUES						
ZAESKE DEBBIE 64306	POSITIVE PROMOTIONS DISPATCH WEEK GIFTS 100-5211-539900	03/17/2024 MROCKLEY	04/22/2024	72.79 72.79	0.00	Paid	Y 04/22/2024
	OTHER						
ZAESKE DEBBIE 64307	AUTO-OWNERS INSURANCE NOTARY INSURANCE 100-5211-521900	03/18/2024 MROCKLEY	04/22/2024	30.00 30.00	0.00	Paid	Y 04/22/2024
	PROFESSIONAL SERVICES						
ZAESKE DEBBIE 64308	AUTO-OWNERS INSURANCE NOTARY INSURANCE 100-5211-521900	03/18/2024 MROCKLEY	04/22/2024	30.00 30.00	0.00	Paid	Y 04/22/2024
	PROFESSIONAL SERVICES						
ZAESKE DEBBIE 64309	AUTO-OWNERS INSURANCE NOTARY INSURANCE 100-5211-521900	03/18/2024 MROCKLEY	04/22/2024	30.00 30.00	0.00	Paid	Y 04/22/2024
	PROFESSIONAL SERVICES						
ZAESKE DEBBIE 64310	AUTO-OWNERS INSURANCE NOTARY INSURANCE 100-5211-521900	03/18/2024 MROCKLEY	04/22/2024	30.00 30.00	0.00	Paid	Y 04/22/2024
	PROFESSIONAL SERVICES						
ZAESKE DEBBIE 64311	WM SUPERCENTER #1571 DISPATCH WEEK SNACKS 100-5211-539900	04/14/2024 MROCKLEY	04/22/2024	57.77 57.77	0.00	Paid	Y 04/22/2024
	OTHER						

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution						

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ZAESKE DEBBIE							
64312	COUSINS SUBS	04/14/2024	04/22/2024	52.49	0.00	Paid	Y
	DISPATCH WEEK SUBS	MROCKLEY					04/22/2024
	100-5211-539900	OTHER		52.49			

Total Purchase Card Vendor: 0002 US BANK	19,705.78	0.00
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# of Invoices:	111	# Due:	0	Totals:	20,525.22	0.00
# of Credit Memos:	5	# Due:	0	Totals:	(819.44)	0.00
Net of Invoices and Credit Memos:				19,705.78	0.00	

--- TOTALS BY GL DISTRIBUTION ---

100-5120-522500	TELEPHONE	19.50
100-5141-521900	PROFESSIONAL SERVICES	4.00
100-5141-522500	TELEPHONE	19.50
100-5141-531100	OPERATIONAL SUPPLIES	65.03
100-5141-532400	MEMBERSHIP DUES	190.00
100-5141-539800	EMPLOYEE RECOGNITION	465.97
100-5142-522500	TELEPHONE	87.99
100-5142-531100	OPERATIONAL SUPPLIES	42.43
100-5142-532400	MEMBERSHIP DUES	125.00
100-5142-533500	TRAINING & TRAVEL	519.00
100-5144-531100	OPERATIONAL SUPPLIES	324.18
100-5145-522900	SOFTWARE SUPPORT/MAINTENANCE	87.73
100-5145-533500	TRAINING & TRAVEL	20.00
100-5153-531100	OPERATIONAL SUPPLIES	115.00
100-5211-521900	PROFESSIONAL SERVICES	120.00
100-5211-522500	TELEPHONE	365.19
100-5211-522950	IT DEVICES (NON CAPITAL) & SUPPLIES	192.00
100-5211-531100	OPERATIONAL SUPPLIES	83.49
100-5211-539900	OTHER	230.99
100-5212-531100	OPERATIONAL SUPPLIES	124.45
100-5241-522500	TELEPHONE	58.50
100-5241-533500	TRAINING & TRAVEL	48.60
100-5300-532400	MEMBERSHIP DUES	775.00
100-5323-522500	TELEPHONE	39.25
100-5323-531100	OPERATIONAL SUPPLIES	(600.00)
100-5323-533500	TRAINING & TRAVEL	1,824.03
100-5324-539500	REPAIRS & MAINTENANCE	386.12
100-5512-522500	TELEPHONE	19.50
100-5632-522500	TELEPHONE	19.50
150-5221-522500	TELEPHONE	356.22

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Inv Num Inv Ref#	Vendor Description	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
	GL Distribution						
150-5221-531100	OPERATIONAL SUPPLIES			167.46			
150-5221-533500	TRAINING & TRAVEL			748.75			
150-5221-534600	CLOTHING ALLOWANCE			167.99			
150-5221-539500	REPAIRS & MAINTENANCE			21.28			
150-5222-531100	OPERATIONAL SUPPLIES			558.73			
150-5222-539500	REPAIRS & MAINTENANCE			158.50			
150-5223-531100	OPERATIONAL SUPPLIES			219.48			
150-5231-531100	OPERATIONAL SUPPLIES			370.84			
150-5231-539500	REPAIRS & MAINTENANCE			157.50			
150-5232-531100	OPERATIONAL SUPPLIES			219.50			
150-5233-533500	TRAINING & TRAVEL			441.82			
150-5233-534600	CLOTHING ALLOWANCE			275.10			
340-5890-580602	POLICE DESIGNATED FUND EXPENDITURES			1,243.24			
430-5700-571100	POLICE DEPT CAPITAL EQUIP			2,443.73			
440-5511-522500	TELEPHONE			398.59			
440-5511-531100	OPERATIONAL SUPPLIES			307.84			
440-5511-531600	COLLECTION MAINTENANCE & REPAIR			69.81			
440-5511-531700	METASPACE MAINTENANCE			63.98			
440-5511-531800	THINGERY MAINTENANCE			38.80			
440-5511-533100	PROGRAMMING			77.65			
440-5511-533500	TRAINING & TRAVEL			443.20			
440-5511-534000	ELECTRONIC TOOLS & SERVICES			159.90			
440-5511-581000	FURNITURE & FIXTURES			241.00			
440-5890-580600	DONATED FUND EXPENDITURES			2,879.83			
610-6210-662300	OPERATION SUPPLY/EXP-PUMPING			49.00			
610-6300-663200	OPERATION SUPPLY/EXP-TREATMENT			5.10			
610-6920-692100	OFFICE SUPPLIES & EXPENSES			41.62			
610-6920-693000	MISC GENERAL EXPENSES			(78.21)			
620-8010-827000	OPERATION SUPPLY/EXPENSE			1,618.68			
620-8400-851000	OFFICE SUPPLIES & EXPENSES			41.62			
620-8400-854100	EDUCATIONAL/TRAINING EXPENSES			25.28			

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--- TOTALS BY FUND ---							
	100 - GENERAL FUND			5,771.95	0.00		
	150 - FIRE/AMBULANCE FUND			3,863.17	0.00		
	340 - VILLAGE DESIGNATED FUND			1,243.24	0.00		
	430 - CAPITAL EQUIPMENT FUND			2,443.73	0.00		
	440 - LIBRARY FUND			4,680.60	0.00		
	610 - WATER UTILITY FUND			17.51	0.00		
	620 - SEWER UTILITY FUND			1,685.58	0.00		
--- TOTALS BY DEPT/ACTIVITY ---							
	5120 - MUNICIPAL COURT			19.50	0.00		
	5141 - VILLAGE ADMINISTRATOR			744.50	0.00		
	5142 - CLERK-TREASURER			774.42	0.00		
	5144 - ELECTIONS			324.18	0.00		
	5145 - FINANCE DEPARTMENT			107.73	0.00		
	5153 - ASSESSMENT OF PROPERTY			115.00	0.00		
	5211 - POLICE ADMINISTRATION			991.67	0.00		
	5212 - POLICE PATROL			124.45	0.00		
	5221 - FIRE ADMINISTRATION			1,461.70	0.00		
	5222 - FIRE SUPPRESSION			717.23	0.00		
	5223 - FIRE TRAINING			219.48	0.00		
	5231 - AMBULANCE			528.34	0.00		
	5232 - AMBULANCE TRAINING			219.50	0.00		
	5233 - REFERENDUM FUNDED STAFFING			716.92	0.00		
	5241 - BUILDING INSPECTOR			107.10	0.00		
	5300 - DPW GENERAL ADMINISTRATION			775.00	0.00		
	5323 - GARAGE			1,263.28	0.00		
	5324 - MACHINERY & EQUIPMENT			386.12	0.00		
	5511 - LIBRARY SERVICES			1,800.77	0.00		
	5512 - MUSEUM			19.50	0.00		
	5632 - PLANNING DEPARTMENT			19.50	0.00		
	5700 - CAPITAL OUTLAY EXPENDITURES			2,443.73	0.00		
	5890 - USE OF DESIGNATED FUNDS			4,123.07	0.00		
	6210 - PUMPING MAINTENANCE			49.00	0.00		
	6300 - WATER TREATMENT OPERATIONS			5.10	0.00		
	6920 - ADMINISTRATIVE & GENERAL EX			(36.59)	0.00		
	8010 - WWTP-TREATMENT/DISPOSAL/GP			1,618.68	0.00		
	8400 - ADMINISTRATIVE & GENERAL			66.90	0.00		
--- TOTALS BY PAYMENT CARD ACCOUNT ---							
	0366			2,040.68			

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution						
---	TOTALS BY PAYMENT CARD ACCOUNT ---						
	0408			2,435.90			
	0707			1,512.11			
	1051			1,247.00			
	1086			48.60			
	1128			303.05			
	1552			1,928.09			
	3049			108.60			
	3064			2,428.76			
	4175			14.97			
	5177			1,281.63			
	5311			841.81			
	5538			399.02			
	5724			942.60			
	6347			103.01			
	6370			2,507.85			
	6639			(92.10)			
	6721			1,100.10			
	6899			56.50			
	8389			420.68			
	8764			(64.33)			
	9625			(50.75)			
	9708			192.00			

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Check Date	Bank	Check #	Payee	Description	GL #	Amount		
04/24/2024	GEN	38553	AFLAC	ACCOUNT# V1553 APRIL 2024	100-0000-215302	231.08		
		38553		ACCOUNT# V1553 APRIL 2024	150-0000-215302	338.66		
		38553		ACCOUNT# V1553 APRIL 2024	610-0000-215302	41.77		
		38553		ACCOUNT# V1553 APRIL 2024	620-0000-215302	191.61		
						803.12		
04/24/2024	GEN	38554	MUKWONAGO PROFESSIONAL	APRIL 2024 FIRE UNION DUES	150-0000-215500	900.00		
04/24/2024	GEN	38555	MUKWONAGO PROFESSIONAL POLICE	APRIL 2024 POLICE UNION DUES	100-0000-215500	550.00		
04/24/2024	GEN	38556	VILLAGE OF MUKWONAGO MRA	APRIL 2024 FSA	100-0000-215350	2,311.72		
		38556		APRIL 2024 FSA	150-0000-215350	972.38		
		38556		APRIL 2024 FSA	440-0000-215350	60.00		
		38556		APRIL 2024 FSA	610-0000-215350	7.57		
		38556		APRIL 2024 FSA	620-0000-215350	200.13		
						3,551.80		
04/24/2024	GEN	803 (E)	DELTA DENTAL OF WISCONSIN	MAY 2024 DENTAL PREMIUMS	100-0000-215304	2,623.34		
		803 (E)		MAY 2024 DENTAL PREMIUMS	150-0000-215304	400.74		
		803 (E)		MAY 2024 DENTAL PREMIUMS	440-0000-215304	215.46		
		803 (E)		MAY 2024 DENTAL PREMIUMS	610-0000-215304	48.96		
		803 (E)		MAY 2024 DENTAL PREMIUMS	620-0000-215304	122.60		
						3,411.10		
04/24/2024	GEN	804 (E)	DELTA DENTAL OF WISCONSIN	MAY 2024 VISION PREMIUMS	100-0000-215303	144.67		
		804 (E)		MAY 2024 VISION PREMIUMS	150-0000-215303	30.02		
		804 (E)		MAY 2024 VISION PREMIUMS	440-0000-215303	30.81		
						205.50		
04/24/2024	GEN	805 (E)	EMPLOYEE TRUST FUNDS	MAY 2024 HEALTH INSURANCE	100-0000-215300	63,055.84		
		805 (E)		MAY 2024 HEALTH INSURANCE	150-0000-215300	18,209.90		
		805 (E)		MAY 2024 HEALTH INSURANCE	440-0000-215300	5,389.34		
		805 (E)		MAY 2024 HEALTH INSURANCE	610-0000-215300	3,713.72		
		805 (E)		MAY 2024 HEALTH INSURANCE	620-0000-215300	7,457.96		
						90,766.80		

04/24/2024 04:51 PM			CHECK DISBURSEMENT REPORT FOR MUKWONAGO			Page 2/2	
User: MROCKLEY			CHECK DATE FROM 04/24/2024 - 04/24/2024				
DB: Mukwonago			Banks: GEN				
Check Date	Bank	Check #	Payee	Description	GL #	Amount	
						97,826.76	
04/24/2024	GEN	806 (E)	GREAT WEST RETIREMENT SERVICES	RETIREMENT GW PR 04/26/24	100-0000-215250	634.18	
		806 (E)		RETIREMENT GW PR 04/26/24	150-0000-215250	2,540.36	
						3,174.54	
04/24/2024	GEN	807 (E)	MISSION SQUARE	RETIREMENT MS/ICMA PR 04/26/24 ID	100-0000-215250	4,047.62	
		807 (E)		RETIREMENT MS/ICMA PR 04/26/24 ID	150-0000-215250	50.00	
		807 (E)		RETIREMENT MS/ICMA PR 04/26/24 ID	440-0000-215250	1,057.47	
		807 (E)		RETIREMENT MS/ICMA PR 04/26/24 ID	610-0000-215250	197.89	
		807 (E)		RETIREMENT MS/ICMA PR 04/26/24 ID	620-0000-215250	486.13	
						5,839.11	
04/24/2024	GEN	808 (E)	WI RETIREMENT SYSTEM	WISCONSIN RETIREMENT CONTRIBUTIONS - MARCH 2024	100-0000-215200	54,475.88	
		808 (E)		WISCONSIN RETIREMENT CONTRIBUTIONS -	150-0000-215200	25,997.96	
		808 (E)		WISCONSIN RETIREMENT CONTRIBUTIONS -	440-0000-215200	8,305.22	
		808 (E)		WISCONSIN RETIREMENT CONTRIBUTIONS -	610-0000-215200	2,534.72	
		808 (E)		WISCONSIN RETIREMENT CONTRIBUTIONS -	620-0000-215200	5,291.60	
						96,605.38	
TOTAL - ALL FUNDS				TOTAL OF 10 CHECKS	212,867.31		

**VILLAGE OF MUKWONAGO
WAUKESHA/WALWORTH COUNTIES**

**RESOLUTION NO. 2024-26
A RESOLUTION DESIGNATING PUBLIC DEPOSITORIES AND AUTHORIZING
WITHDRAWAL OF THE VILLAGE OF MUKWONAGO FUNDS**

RESOLVED, that the following banking institutions and their successors are qualified as public depositories under Chapter 34 of the Wisconsin Statutes, shall be and are hereby designated, until further action, as public depositories for all monies coming into the hands of the Treasurer of the Village of Mukwonago, Waukesha and Walworth Counties, State of Wisconsin; and

State Investment Pool-Madison
Citizens Bank
Johnson Bank of Mukwonago
Wisconsin Investment Trust-Madison
BMO Harris Bank N.A.
Waukesha State Bank
Pyramax Bank
Associated Bank
JP Morgan Chase Bank
American Depository Trust

BE IT FURTHER RESOLVED, that withdrawal or disbursement from any one of the above depositories shall be only by order check, written wire transfer, telephone wire transfer, or other money transfer techniques, as provided in Sec. 66.0607 of the Wisconsin Statutes; that in accordance therewith all order checks shall be signed by the following persons:

Fred H. Winchowky, Village President
Diana Dykstra, Village Clerk/Treasurer
Shay Zervas, Village Deputy Clerk/Treasurer

BE IT FURTHER RESOLVED, that in lieu of their personal signatures, the following facsimile signatures, which have been adopted by them as shown below:

Fred H. Winchowky, Village President _____

Diana Dykstra, Village Clerk/Treasurer _____

Shay Zervas, Village Deputy Clerk/Treasurer _____

Which may be affixed on such order checks; that any one of the above-named depositories shall be fully warranted and protected in making payments on any order check bearing such facsimiles notwithstanding that the same may have been placed thereon without the authority of the designated person or persons.

Passed and adopted by the Village Board of Trustees this 15th Day of May, 2024

(Seal)

Fred H. Winchowky, Village President

Diana Dykstra, MMC, Village Clerk-Treasurer

RESOLUTION NO. 2024-27

**A RESOLUTION TO DESIGNATING THE OFFICIAL POSTING,
PUBLICATION, AND POSTING IN LIEU OF PUBLICATION DIRECTIVES
FOR THE VILLAGE OF MUKWONAGO**

WHEREAS, Wisconsin Statutes § 985.02 no longer requires the designation of an official newspaper for the Village of Mukwonago; and

WHEREAS, the Village Board agrees transparency and communication is key to successful resident involvement; and

WHEREAS, the Village Board agrees the practice of posting agendas shall continue to be at the physical location Village Hall Building, 440 River Crest Ct., Mukwonago, in addition to making those agendas available on our web site; and

WHEREAS, the Village Board agrees the proceedings of village meetings shall continue to be posted in lieu of publication, and maintained for public access on our Village web site; and

WHEREAS, the Village Board agrees to comply with any statutory legal notice requirement, publication in either the Waukesha Freeman or the Mukwonago Times shall meet that requirement, and is an important practice to continue.

NOW, THEREFORE, BE IT RESOLVED the Village Board of the Village of Mukwonago, Wisconsin, hereby supports the posting of notices as necessary, legal notice publications as statutorily required to continue at either the Waukesha Freeman or the Mukwonago Times, and proceedings of meetings will continue to be available on our website.

Adopted this 15th day of May 2024.

By: _____
Fred Winchowky, Village President



Attest: _____
Diana A Dykstra, MMC
Village Clerk-Treasurer

Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149
Phone: (262) 363-6420
Fax: (262) 363-6425
www.villageofmukwonago.com

VILLAGE OF MUKWONAGO

SPECIAL EVENT PERMIT APPLICATION

Application Fee: See fee sheet

Date Submitted: 4-15-2024

Total Fees Paid: _____

Application must be received a minimum of 90 days prior to the special event. Fees are non-refundable.

ORGANIZATION INFORMATION

Name of Organization: Mukwonago Community American Legion Post 375
Mailing Address: 627 E Veterans Way City: Mukwonago State: WI Zip: 53145
Phone Number: 262-363-3580 Is the organization a 501(c)3 organization?: ☒ YES ☐ NO
Website Address: Post375.org
Event Contact Person: Patrick Hays
Mailing Address: _____ Zip: 53189
Home Phone: _____ Work Phone: _____ Cell Phone: _____
Email Address: hayspatrick63@yahoo.com

EVENT INFORMATION

Name of the Event: Memorial Day Parade Date(s) of the Event: May 27th 2024
Event Start Time: 9:00 AM Event End Time: 12:00 PM
Location of the Event: Start @ Parkview End @ Mukwonago Library
A. Will your event take place in a residential neighborhood? *If yes, you will be required to notify all adjacent property owners when the event will occur.* ☐ YES ☐ NO
B. Please provide your COVID-19 Action Plan.
C. You MUST attach a detailed map/sketch of your event indicating the specific location, layout of your event, and the direction of the route, including all turns and the number of traffic lanes to be used.
D. If you are using a Village park, you must reserve the park through the Village Clerk-Treasurer's Office prior to getting your special event permit approved by the Village Board. Call 262-363-6420, Option 4.
E. Generally describe your event and its purpose.
Parade (Annual) To honor All Veterans on Memorial Day.
F. Based on the class definitions found in the manual, what class is your event? ☒ CLASS I ☐ CLASS II
G. Estimated # of participants: 150 Spectators: Many Vendors: NO

OTHER INFORMATION

A. Is there an outdoor bar that will serve alcohol? *If yes, temporary Class B beer and/or wine (picnic) and operator (bartender) licenses are necessary under separate application.* ☐ YES ☐ NO

- B. Please list the number of Village of Mukwonago licensed bartenders that will be on site: 0
- C. Will you be selling/serving food? *If yes, you will need to contact Waukesha County Health Department (262-896-8300) for proper permits.* ☐ YES ☒ NO
- D. Will your event need electricity? *If yes, the Fire Department and Building Inspection Department will need to inspect prior to being energized.* ☐ YES ☒ NO
- E. Will you be setting up any lighting? *If yes, the Fire Department and Building Inspection Department will need to inspect prior to being energized.* ☐ YES ☒ NO
- F. Will your event require any fencing? *If yes, please provide plans for the fencing location and the gates.* ☐ YES ☒ NO
- G. Does your event involve fireworks? *If yes, you will need to contact the Fire Department (262-363-6426) for proper permits.* ☐ YES ☒ NO
- H. Does your event involve amplified music? ☐ YES ☒ NO
 If yes, will the amplified music be a: ☐ Band ☐ DJ ☐ Other
 Hours of amplified music: _____
- I. Please list the number of security staff you will be providing for the event: 0
- J. Will you need barricades provided by the Village for your event? ☐ YES ☒ NO
 If yes, how many? Same as last year
- K. Will you be erecting any tents, canopies, or other temporary structure(s)? *If yes, please provide a plan for their proposed locations. The Fire Department and Building Inspection Department will need to inspect these structures prior to the start of your event.* ☐ YES ☒ NO
- L. Will you be providing portable restrooms and wash stations? *If yes, please provide a description of how many restrooms/wash stations will be provided, their locations, and the plan for how solid waste will be disposed of.* ☐ YES ☒ NO
- M. Will you provide parking for your participants? *If yes, please provide a plan describing where parking will be available.* ☐ YES ☒ NO
- N. Will you provide dumpster/clean-up services? *If yes, please provide a clean-up and refuse collection plan.* ☐ YES ☒ NO
- O. What other assistance do you foresee needing from the Village (personnel, materials, equipment, etc.)?
Police control of traffic

- P. Have you reviewed and do you have a copy of the Village of Mukwonago Special Events Manual and the Village of Mukwonago Ordinance? ☒ YES ☐ NO

INSURANCE REQUIREMENTS

The Special Event Sponsor will provide evidence of liability insurance in a form acceptable to the Village Attorney, with limits of not less than \$1 Million per occurrence and \$2 Million in the aggregate, which coverage names the Village of Mukwonago, its officers, agents, employees and contractors as Additional Insured on a primary and non-contributory basis. Evidence of this coverage must be provided by a Policy Endorsement received by the Village not less than 20 days prior to the event. A Certificate of Insurance must evidence this coverage throughout the duration of the event. Applicant further agrees to indemnify and hold harmless the Village of Mukwonago, its officers, agents, employees, contractors and assigns, as and against any and all claims, demands, actions and causes of action, including actual attorney fees, arising from the Applicant's use of Village property and the issuance of this Permit.

Are you able to provide these insurance documents, if required?: ☐ YES ☐ NO

PROCEDURAL CHECKLIST FOR SPECIAL EVENT PERMIT REVIEW AND APPROVAL

This form is designed to be a guide for submitting a complete application for a special event.

Application:

- ☐ Completed application form including the procedural checklist.
- ☐ Application fee: see fee sheet.

Other Documents:

- ☐ Plan of operation/proposal.
- ☐ Overview of the site to be used for the event (layout of the event site).
- ☐ Any additional information as determined by Village staff.

DEPOSIT REQUIREMENTS

The applicant may be required to submit to the Village Clerk-Treasurer's Office a cleaning/damage deposit of \$200 for each scheduled day of the event (or portion thereof) two weeks prior to the starting date of the event. That deposit shall be refunded to the applicant, if, upon inspection, all is in order, or a prorated portion thereof as may be necessary to reimburse the Village for loss or cleaning costs. The Village reserves the right to retain the entire deposit if cleanup is not completed satisfactorily in the time frame as specified in the permit. Unless otherwise stated in the permit, the applicant shall be fully responsible for all necessary cleanup associated with the permitted event to be completed within 12 hours after the conclusion of the event. (This deposit is separate from any deposit required for rental of Village parks).

TERMINATION OF AN EVENT

The Village reserves the right to shut down a special event that is in progress if it is deemed to be a public safety hazard by the Police Department, Fire Department, and/or there is a violation of Village Ordinances, State Statutes or the terms of the applicant's permit. The Village Administrator and/or his/her designee may revoke an approved Special Events Permit if the applicant fails to comply in good faith with the provisions of the permit prior to the event date.

CERTIFICATION

By signing this form, the applicant certifies authorization to act on behalf of their organization, and hereby agrees to hold the Village, its officers, agents, employees, and contractors harmless against all claims, liability, loss, damage or expense (including but not limited to actual attorney fees) incurred by the Village for any damage or injury to person or property caused by or resulting directly or indirectly from the activities for which the permit is granted. Any change to coverage requires Village approval.

(The applicant's signature must be from a Managing Member if the business/organization is an LLC, or from the President or Vice President if the business/organization is a corporation. A signed applicant's authorization letter may be provided in lieu of the applicant's signature below.)

Signature - Applicant

Peter Hays Board Chair

Name & Title (PRINT)

4-15-2024

Date

Signature - Applicant

Name & Title (PRINT)

Date

FOR OFFICE USE ONLY

Date Fees Paid	Receipt #	Date Deposit Paid	Deposit Returned?
Police Department:	Approved ☐ Denied ☐ Comments: _____		
Fire Department:	Approved ☐ Denied ☐ Comments: _____		
Public Works Department:	Approved ☐ Denied ☐ Comments: _____		
Village Clerk:	Approved ☐ Denied ☐ Comments: _____		
Village Board Approval Date	Village President Signature	Permit #	Issue Date

Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149
Phone: (262) 363-6420
Fax: (262) 363-6425
www.villageofmukwonago.gov

VILLAGE OF MUKWONAGO

SPECIAL EVENT PERMIT APPLICATION

Application Fee: See fee sheet

Date Submitted: April 23, 2024

Total Fees Paid: _____

Application must be received a minimum of 90 days prior to the special event. Fees are non-refundable.

ORGANIZATION INFORMATION

Name of Organization: Mukwonago Community Library

Mailing Address: 511 Division Street City: Mukwonago State: WI Zip: 53149

Phone Number: (262) 363-6411 Is the organization a 501(c)3 organization? ☒ YES ☐ NO

Website Address: www.mukwonagolibrary.org

3. _____

Event Contact Person: Abby Armour, Library Director

Mailing Address: 511 Division Street City: Mukwonago State: WI Zip: 53149

Home Phone: _____ Work Phone: (262) 363-6411 X4100 Cell Phone: _____

Email Address: aarmour@mukwonagolibrary.org

EVENT INFORMATION

Name of the Event: Summer Library Program Kick-Off Date(s) of the Event: Saturday, June 8, 2024

Event Start Time: 10:00 am Event End Time: 1:00 pm

Location of the Event: Washington Avenue Park (behind the Mukwonago Community Library)

A. Will your event take place in a residential neighborhood? *If yes, you will be required to notify all adjacent property owners when the event will occur.* ☒ YES ☐ NO

B. Please provide your COVID-19 Action Plan.

C. You MUST attach a detailed map/sketch of your event indicating the specific location, layout of your event, and the direction of the route, including all turns and the number of traffic lanes to be used.

D. If you are using a Village park, you must reserve the park through the Village Clerk-Treasurer's Office prior to getting your special event permit approved by the Village Board. Call 262-363-6420, Option 4.

E. Generally describe your event and its purpose.

The Summer Library Program Kick-Off is a celebration to get the community excited about the Summer Library Program and our reading challenges. The event includes games, free treats, and activities alongside a sign-up tent for people to enroll in the Summer Reading Challenge.

F. Based on the class definitions found in the manual, what class is your event? ☐ CLASS I ☒ CLASS II

G. Estimated # of participants: 500 Spectators: _____ Vendors: _____

OTHER INFORMATION

- A. Is there an outdoor bar that will serve alcohol? *If yes, temporary Class B beer and/or wine (picnic) and operator (bartender) licenses are necessary under separate application.* ☐ YES ☒ NO
- B. Please list the number of Village of Mukwonago licensed bartenders that will be on site: _____
- C. Will you be selling/serving food? *If yes, you will need to contact Waukesha County Health Department (262-896-8300) for proper permits.* ☐ YES ☒ NO
- D. Will your event need electricity? *If yes, the Fire Department and Building Inspection Department will need to inspect prior to being energized.* ☒ YES ☐ NO
- E. Will you be setting up any lighting? *If yes, the Fire Department and Building Inspection Department will need to inspect prior to being energized.* ☐ YES ☒ NO
- F. Will your event require any fencing? *If yes, please provide plans for the fencing location and the gates.* ☐ YES ☒ NO
- G. Does your event involve fireworks? *If yes, you will need to contact the Fire Department (262-363-6426) for proper permits.* ☐ YES ☒ NO
- H. Does your event involve amplified music? ☐ YES ☒ NO
 If yes, will the amplified music be a: ☐ Band ☐ DJ ☐ Other
 Hours of amplified music: _____
- I. Please list the number of security staff you will be providing for the event: _____
- J. Will you need barricades provided by the Village for your event? ☐ YES ☒ NO
 If yes, how many? _____
- K. Will you be erecting any tents, canopies, or other temporary structure(s)? *If yes, please provide a plan for their proposed locations. The Fire Department and Building Inspection Department will need to inspect these structures prior to the start of your event.* ☒ YES ☐ NO
- L. Will you be providing portable restrooms and wash stations? *If yes, please provide a description of how many restrooms/wash stations will be provided, their locations, and the plan for how solid waste will be disposed of.* ☐ YES ☒ NO
- M. Will you provide parking for your participants? *If yes, please provide a plan describing where parking will be available.* ☒ YES ☐ NO
- N. Will you provide dumpster/clean-up services? *If yes, please provide a clean-up and refuse collection plan.* ☒ YES ☐ NO
- O. What other assistance do you foresee needing from the Village (personnel, materials, equipment, etc.)?
 N/A - This event is next to the Library and is being put on by the Library. Like all Library programs, we will
 use Library facilities, bathrooms, electric, garbage, etc.

- P. Have you reviewed and do you have a copy of the Village of Mukwonago Special Events Manual and the Village of Mukwonago Ordinance? ☐ YES ☐ NO

INSURANCE REQUIREMENTS

The Special Event Sponsor will provide evidence of liability insurance in a form acceptable to the Village Attorney, with limits of not less than \$1 Million per occurrence and \$2 Million in the aggregate, which coverage names the Village of Mukwonago, its officers, agents, employees and contractors as Additional Insured on a primary and non-contributory basis. Evidence of this coverage must be provided by a Policy Endorsement received by the Village not less than 20 days prior to the event. A Certificate of Insurance must evidence this coverage throughout the duration of the event. Applicant further agrees to indemnify and hold harmless the Village of Mukwonago, its officers, agents, employees, contractors and assigns, as and against any and all claims, demands, actions and causes of action, including actual attorney fees, arising from the Applicant's use of Village property and the issuance of this Permit.

Are you able to provide these insurance documents, if required?: ☒ YES ☐ NO

PROCEDURAL CHECKLIST FOR SPECIAL EVENT PERMIT REVIEW AND APPROVAL

This form is designed to be a guide for submitting a complete application for a special event.

Application:

- ☒ Completed application form including the procedural checklist.
- ☐ Application fee: see fee sheet.

Other Documents:

- ☒ Plan of operation/proposal.
- ☒ Overview of the site to be used for the event (layout of the event site).
- ☐ Any additional information as determined by Village staff.

DEPOSIT REQUIREMENTS

The applicant may be required to submit to the Village Clerk-Treasurer's Office a cleaning/damage deposit of \$200 for each scheduled day of the event (or portion thereof) two weeks prior to the starting date of the event. That deposit shall be refunded to the applicant, if, upon inspection, all is in order, or a prorated portion thereof as may be necessary to reimburse the Village for loss or cleaning costs. The Village reserves the right to retain the entire deposit if cleanup is not completed satisfactorily in the time frame as specified in the permit. Unless otherwise stated in the permit, the applicant shall be fully responsible for all necessary cleanup associated with the permitted event to be completed within 12 hours after the conclusion of the event. (This deposit is separate from any deposit required for rental of Village parks).

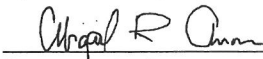
TERMINATION OF AN EVENT

The Village reserves the right to shut down a special event that is in progress if it is deemed to be a public safety hazard by the Police Department, Fire Department, and/or there is a violation of Village Ordinances, State Statutes or the terms of the applicant's permit. The Village Administrator and/or his/her designee may revoke an approved Special Events Permit if the applicant fails to comply in good faith with the provisions of the permit prior to the event date.

CERTIFICATION

By signing this form, the applicant certifies authorization to act on behalf of their organization, and hereby agrees to hold the Village, its officers, agents, employees, and contractors harmless against all claims, liability, loss, damage or expense (including but not limited to actual attorney fees) incurred by the Village for any damage or injury to person or property caused by or resulting directly or indirectly from the activities for which the permit is granted. Any change to coverage requires Village approval.

(The applicant's signature must be from a Managing Member if the business/organization is an LLC, or from the President or Vice President if the business/organization is a corporation. A signed applicant's authorization letter may be provided in lieu of the applicant's signature below.)



Signature - Applicant

Abby Armour, Library Director

Name & Title (PRINT)

April 23, 2024

Date

Signature - Applicant

Name & Title (PRINT)

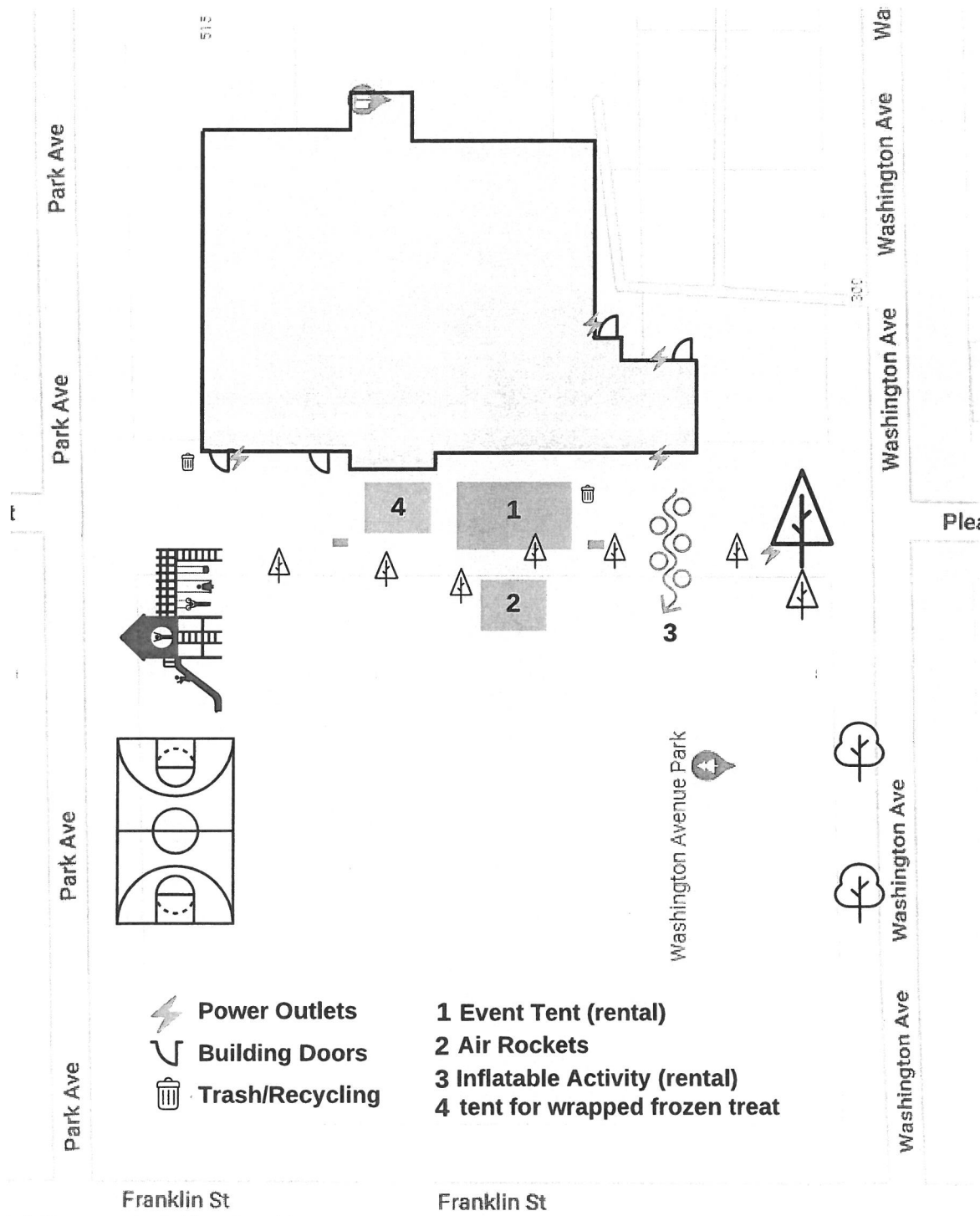
Date

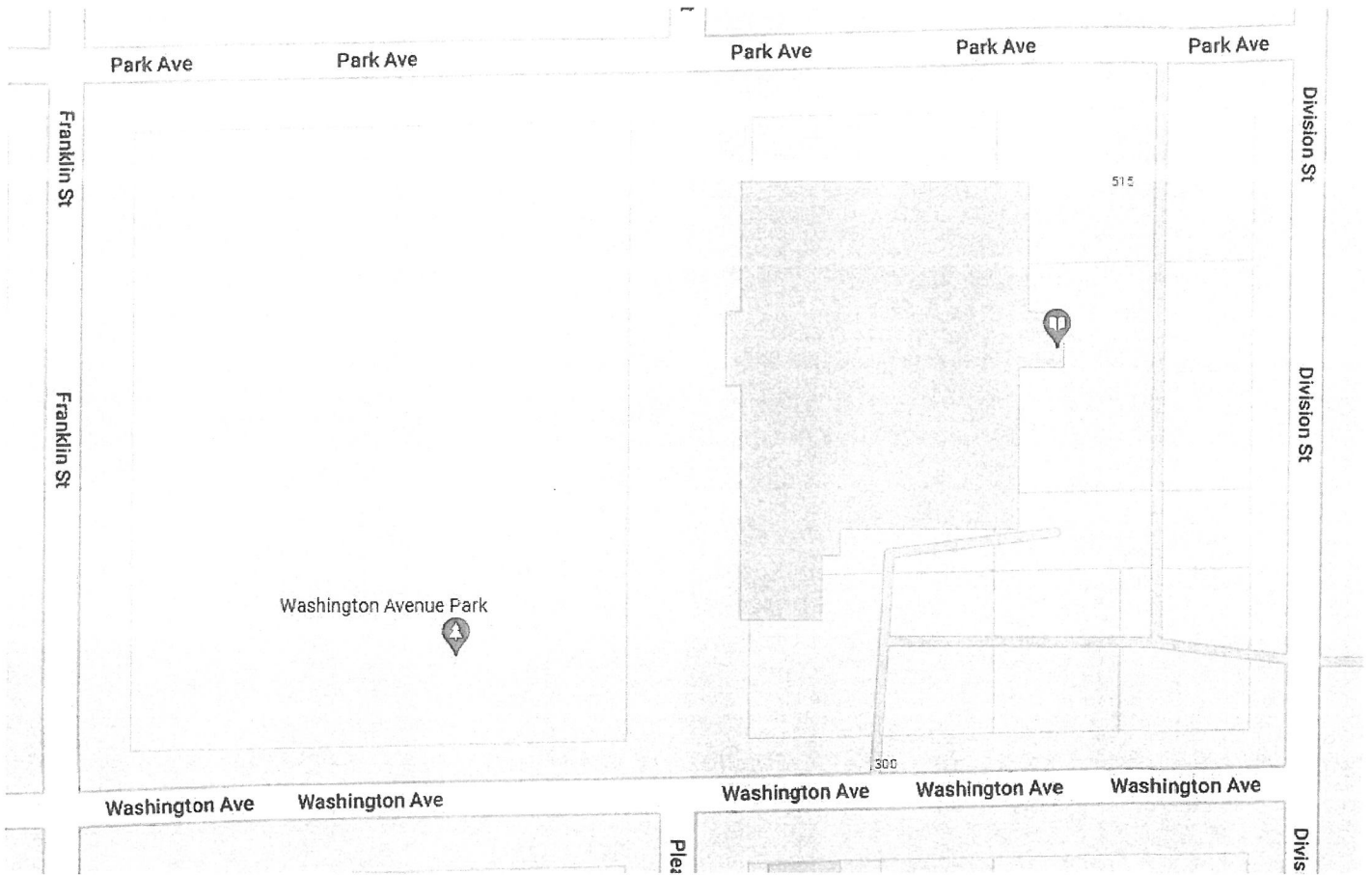
FOR OFFICE USE ONLY

Date Fees Paid	Receipt #	Date Deposit Paid	Deposit Returned?
Police Department:	Approved ☐ Denied ☐ Comments: _____		
Fire Department:	Approved ☐ Denied ☐ Comments: _____		
Public Works Department:	Approved ☐ Denied ☐ Comments: _____		
Village Clerk:	Approved ☐ Denied ☐ Comments: _____		
Village Board Approval Date	Village President Signature	Permit #	Issue Date

Special Events Permit Application (Rev 1/23)

Summer Library Program Kick-Off 2024 Event Layout





Summer Library Program Kick-Off 2024 Event Plan

Event Name: Summer Library Program Kick-Off (SLPKO)

Event Location: Mukwonago Community Library / Washington Avenue Park

Organization: Mukwonago Community Library (MCL)

Date & Time: Saturday, June 8, 2023 | 10:00am – 1:00pm

Event Summary: To celebrate the end of the school year and promote the start of MCL's Summer Library Program, the Library is hosting our annual SLPKO. Like last year, we will have inflatable attractions, games, and activities for residents while encouraging them to register for summer reading challenges and informing them about our summer programming and performers. The Mukwonago Police Department will fly their drone over the event. The event takes place from 10am-1pm so we would need to access the park starting at 8am that day for set-up and an hour afterwards for tear-down and clean-up.

COVID-19 Action Plan:

The MCL plans to follow any COVID-19 guidelines set out by Waukesha County for larger outdoor events at the time of the event. With the health and safety of our patrons being foremost in our minds, we will space out our activity stations for social distancing, have hand sanitizer spread throughout the event, and supply a mask to anyone asking.

Refuse Collection Plan:

The Library will set up 2-3 larger garbage cans throughout the event grounds (one at each end of the Library; a garbage can near the Friends of the Library if they hand out individually wrapped treats). Our festivities shouldn't generate much trash, but we'll spot check every hour to see if the bags need to be replaced.

Parking Plan:

The Library does not intend to have any special attendee parking; the Library's parking lot will be on a first come, first served basis in our lot. Otherwise, residents attending the event will need to find street parking. Groups participating in the event (any performers or volunteers) will be encouraged to park on the street near their event station.

Food Offering:

The Friends of the Library group previously offered individually wrapped frozen treats. Last year, we contacted the Waukesha County Health Department and confirmed that you do not need any special permits for food that is individually wrapped.

Application for Temporary Class "B" / "Class B" Retailer's License

See Additional Information on reverse side. Contact the municipal clerk if you have questions.

FEE \$40.00

Application Date: 04/16/2024

☐ Town ☒ Village ☐ City of Mukwonago

County of WAUKESHA

The named organization applies for: (check appropriate box(es).)

☐ A Temporary Class "B" license to sell fermented malt beverages at picnics or similar gatherings under s. 125.26(6), Wis. Stats.

☒ A Temporary "Class B" license to sell wine at picnics or similar gatherings under s. 125.51(10), Wis. Stats.

at the premises described below during a special event beginning 5pm and ending 8:30pm and agrees to comply with all laws, resolutions, ordinances and regulations (state, federal or local) affecting the sale of fermented malt beverages and/or wine if the license is granted.

1. Organization (check appropriate box) →

☐ Bona fide Club

☐ Church

☐ Lodge/Society

☐ Veteran's Organization

☐ Fair Association or Agricultural Society

☒ Chamber of Commerce or similar Civic or Trade Organization organized under ch. 181, Wis. Stats.

(a) Name Mukwonago Food Pantry

(b) Address 325 Eagle Lake Ave

(Street)

☐ Town

☒ Village

☐ City

(c) Date organized 08/01/1989

(d) If corporation, give date of incorporation _____

(e) If the named organization is not required to hold a Wisconsin seller's permit pursuant to s. 77.54 (7m), Wis. Stats., check this box: ☐

(f) Names and addresses of all officers:

President Kurt Schmidt, West Allis, WI

Vice President Cathy Schultz, Mukwonago, WI

Secretary Alexis McCarthy, Mukwonago, WI

Treasurer Nancy Van Deslunt, Mukwonago, WI

(g) Name and address of manager or person in charge of affair: Hannah Hazelberg, 3875 S Hanson Ave., Milwaukee, WI 53207

2. Location of Premises Where Beer and/or Wine Will Be Sold, Served, Consumed, or Stored, and Areas Where Alcohol Beverage Records Will be Stored:

(a) Street number _____

(b) Lot Phantom Junction Stage, Indian Head Park

Block _____

(c) Do premises occupy all or part of building? _____

(d) If part of building, describe fully all premises covered under this application, which floor or floors, or room or rooms, license is to cover: _____

3. Name of Event

(a) List name of the event Phantom Junction Stage, Indian Head Park

(b) Dates of event June 27th, August 5th, August 22nd, August 24th

DECLARATION

An officer of the organization, declares under penalties of law that the information provided in this application is true and correct to the best of his/her knowledge and belief. Any person who knowingly provides materially false information in an application for a license may be required to forfeit not more than \$1,000.

Officer Catherine Schultz 4-16-24
(Signature / Date)

Mukwonago Food Pantry
(Name of Organization)

Date Filed with Clerk 4/18/24

Date Reported to Council or Board _____

Date Granted by Council _____

License No. _____

Application for Temporary Class "B" / "Class B" Retailer's License

See Additional Information on reverse side. Contact the municipal clerk if you have questions.

FEE \$10.00

Application Date: 04/16/2024

☐ Town ☒ Village ☐ City of Mukwonago

County of WAUKESHA

The named organization applies for: (check appropriate box(es).)

- ☒ A Temporary Class "B" license to sell fermented malt beverages at picnics or similar gatherings under s. 125.26(6), Wis. Stats.
☐ A Temporary "Class B" license to sell wine at picnics or similar gatherings under s. 125.51(10), Wis. Stats.

at the premises described below during a special event beginning 5pm and ending 8:30pm and agrees to comply with all laws, resolutions, ordinances and regulations (state, federal or local) affecting the sale of fermented malt beverages and/or wine if the license is granted.

1. Organization (check appropriate box) →

- ☐ Bona fide Club ☐ Church ☐ Lodge/Society
☐ Veteran's Organization ☐ Fair Association or Agricultural Society
☒ Chamber of Commerce or similar Civic or Trade Organization organized under ch. 181, Wis. Stats.

(a) Name Mukwonago Food Pantry

(b) Address 325 Eagle Lake Ave
(Street)

☐ Town ☒ Village ☐ City

(c) Date organized 08/01/1989

(d) If corporation, give date of incorporation _____

(e) If the named organization is not required to hold a Wisconsin seller's permit pursuant to s. 77.54 (7m), Wis. Stats., check this box: ☐

(f) Names and addresses of all officers:

President Kurt Schmidt, West Allis, WI

Vice President Cathy Schultz, Mukwonago, WI

Secretary Alexis McCarthy, Mukwonago, WI

Treasurer Nancy Van Deslunt, Mukwonago, WI

(g) Name and address of manager or person in charge of affair: Hannah Hazelberg, 3875 S Hanson Ave., Milwaukee, WI 53207

2. Location of Premises Where Beer and/or Wine Will Be Sold, Served, Consumed, or Stored, and Areas Where Alcohol Beverage Records Will be Stored:

- (a) Street number _____
(b) Lot Phantom Junction Stage, Indian Head Park Block _____
(c) Do premises occupy all or part of building? _____
(d) If part of building, describe fully all premises covered under this application, which floor or floors, or room or rooms, license is to cover: _____

3. Name of Event

- (a) List name of the event Phantom Junction Stage, Indian Head Park, Ethan Keller Event
(b) Dates of event 08/24/2024

DECLARATION

An officer of the organization, declares under penalties of law that the information provided in this application is true and correct to the best of his/her knowledge and belief. Any person who knowingly provides materially false information in an application for a license may be required to forfeit not more than \$1,000.

Officer

Catherine Schultz
(Signature / Date) 4-16-24

Mukwonago Food Pantry

(Name of Organization)

Date Filed with Clerk _____

Date Reported to Council or Board _____

Date Granted by Council _____

License No. _____

Application for Temporary Class "B" / "Class B" Retailer's License

See Additional Information on reverse side. Contact the municipal clerk if you have questions.

FEE \$ _____

Application Date: 4-24-24

☐ Town ☒ Village ☐ City of MUKWONAGO

County of WAUKESHA

The named organization applies for: (check appropriate box(es).)

☒ A Temporary Class "B" license to sell fermented malt beverages at picnics or similar gatherings under s. 125.26(6), Wis. Stats.

☒ A Temporary "Class B" license to sell wine at picnics or similar gatherings under s. 125.51(10), Wis. Stats.

at the premises described below during a special event beginning 3:00 PM and ending 10:00 PM and agrees to comply with all laws, resolutions, ordinances and regulations (state, federal or local) affecting the sale of fermented malt beverages and/or wine if the license is granted.

1. Organization (check appropriate box) →

☒ Bona fide Club

☐ Church

☐ Lodge/Society

☐ Veteran's Organization

☐ Fair Association or Agricultural Society

☐ Chamber of Commerce or similar Civic or Trade Organization organized under ch. 181, Wis. Stats.

(a) Name ROTARY CLUB OF MUKWONAGO

(b) Address PO. BOX 114, MUKWONAGO, WI 53149
(Street) ☐ Town ☒ Village ☐ City

(c) Date organized 1-4-1990

(d) If corporation, give date of incorporation _____

(e) If the named organization is not required to hold a Wisconsin seller's permit pursuant to s. 77.54 (7m), Wis. Stats., check this box: ☒

(f) Names and addresses of all officers:

President PETER BARRETT MUKWONAGO, WI

Vice President JIM COTTURONE MUKWONAGO, WI

Secretary TOM HERLUGSON MUKWONAGO, WI

Treasurer JOEY PEIFFER MUKWONAGO, WI

(g) Name and address of manager or person in charge of affair:

JOEY PEIFFER

MUKWONAGO, WI 53149

2. Location of Premises Where Beer and/or Wine Will Be Sold, Served, Consumed, or Stored, and Areas Where Alcohol Beverage Records Will be Stored:

(a) Street number PHANTOM STAGE AT INDIAN HEAD PARK

(b) Lot _____ Block _____

(c) Do premises occupy all or part of building? YES

(d) If part of building, describe fully all premises covered under this application, which floor or floors, or room or rooms, license is to cover: AREA NEAR PHANTOM JUNCTION STAGE

3. Name of Event

(a) List name of the event PHANTOM JUNCTION STAGE SUMMER CONCERTS

(b) Dates of event JUNE 1ST

DECLARATION

An officer of the organization, declares under penalties of law that the information provided in this application is true and correct to the best of his/her knowledge and belief. Any person who knowingly provides materially false information in an application for a license may be required to forfeit not more than \$1,000.

Officer JOEY PEIFFER
(Signature / Date)

THE ROTARY CLUB OF MUKWONAGO
(Name of Organization)

Date Filed with Clerk _____

Date Reported to Council or Board _____

Date Granted by Council _____

License No. _____

Application for Temporary Class "B" / "Class B" Retailer's License

See Additional Information on reverse side. Contact the municipal clerk if you have questions.

FEE \$ _____

Application Date: 4-24-24

☐ Town ☒ Village ☐ City of MUKWONAGO

County of WAUKESHA

The named organization applies for: (check appropriate box(es).)

☒ A Temporary Class "B" license to sell fermented malt beverages at picnics or similar gatherings under s. 125.26(6), Wis. Stats.

☒ A Temporary "Class B" license to sell wine at picnics or similar gatherings under s. 125.51(10), Wis. Stats.

at the premises described below during a special event beginning 3:00 PM and ending 10:00 PM and agrees to comply with all laws, resolutions, ordinances and regulations (state, federal or local) affecting the sale of fermented malt beverages and/or wine if the license is granted.

1. Organization (check appropriate box) →

☒ Bona fide Club

☐ Church

☐ Lodge/Society

☐ Veteran's Organization

☐ Fair Association or Agricultural Society

☐ Chamber of Commerce or similar Civic or Trade Organization organized under ch. 181, Wis. Stats.

(a) Name ROTARY CLUB OF MUKWONAGO

(b) Address PO. Box 114, Mukwonago, WI 53149
(Street) ☐ Town ☒ Village ☐ City

(c) Date organized 1-4-1990

(d) If corporation, give date of incorporation _____

(e) If the named organization is not required to hold a Wisconsin seller's permit pursuant to s. 77.54 (7m), Wis. Stats., check this box: ☒

(f) Names and addresses of all officers:

President PETER BARRETTE, Mukwonago, WI TR

Vice President JIM COTTURONE, Mukwonago, WI

Secretary TAM HERLUGER, Mukwonago, WI

Treasurer TERRY PEIFFER, Mukwonago, WI

(g) Name and address of manager or person in charge of affair: Terry Peiffer, Mukwonago, WI 53149

2. Location of Premises Where Beer and/or Wine Will Be Sold, Served, Consumed, or Stored, and Areas Where Alcohol Beverage Records Will be Stored:

(a) Street number Phantom Stage at Indian Head Park

(b) Lot _____ Block _____

(c) Do premises occupy all or part of building? YES

(d) If part of building, describe fully all premises covered under this application, which floor or floors, or room or rooms, license is to cover: AREA NEAR PHANTOM JUNCTION STAGE

3. Name of Event

(a) List name of the event PHANTOM JUNCTION STAGE SUMMER CONCERTS

(b) Dates of event July 3rd

DECLARATION

An officer of the organization, declares under penalties of law that the information provided in this application is true and correct to the best of his/her knowledge and belief. Any person who knowingly provides materially false information in an application for a license may be required to forfeit not more than \$1,000.

Officer Terry Peiffer
(Signature) (Date)

THE ROTARY CLUB OF MUKWONAGO
(Name of Organization)

Date Filed with Clerk _____

Date Reported to Council or Board _____

Date Granted by Council _____

License No. _____

Application for Temporary Class "B" / "Class B" Retailer's License

See Additional Information on reverse side. Contact the municipal clerk if you have questions.

FEE \$ _____

Application Date: 4-24-24

☐ Town ☒ Village ☐ City of MUKWONAGO

County of WAUKESHA

The named organization applies for: (check appropriate box(es).)

☒ A Temporary Class "B" license to sell fermented malt beverages at picnics or similar gatherings under s. 125.26(6), Wis. Stats.

☒ A Temporary "Class B" license to sell wine at picnics or similar gatherings under s. 125.51(10), Wis. Stats.

at the premises described below during a special event beginning 3:00 PM and ending 10:00 PM and agrees to comply with all laws, resolutions, ordinances and regulations (state, federal or local) affecting the sale of fermented malt beverages and/or wine if the license is granted.

1. Organization (check appropriate box) →

☒ Bona fide Club

☐ Church

☐ Lodge/Society

☐ Veteran's Organization

☐ Fair Association or Agricultural Society

☐ Chamber of Commerce or similar Civic or Trade Organization organized under ch. 181, Wis. Stats.

(a) Name ROTARY CLUB OF MUKWONAGO

(b) Address PO. BOX 114, MUKWONAGO, WI 53149
(Street) ☐ Town ☒ Village ☐ City

(c) Date organized 1-4-1990

(d) If corporation, give date of incorporation _____

(e) If the named organization is not required to hold a Wisconsin seller's permit pursuant to s. 77.54 (7m), Wis. Stats., check this box: ☒

(f) Names and addresses of all officers:

President PETER BARRETTE

Vice President JIM COTTURONE

Secretary TOM HERLUGSON

Treasurer JEFF PEIFFER

(g) Name and address of manager or person in charge of event: CLAYTON TETTER
MUKWONAGO, WI 53149

2. Location of Premises Where Beer and/or Wine Will Be Sold, Served, Consumed, or Stored, and Areas Where Alcohol Beverage Records Will be Stored:

(a) Street number PHANTOM STAGE AT INDIAN HEAD PARK

(b) Lot _____ Block _____

(c) Do premises occupy all or part of building? YES

(d) If part of building, describe fully all premises covered under this application, which floor or floors, or room or rooms, license is to cover: AREA NEAR PHANTOM JUNCTION STAGE

3. Name of Event

(a) List name of the event PHANTOM JUNCTION STAGE SUMMER CONCERTS

(b) Dates of event AUG 2nd

DECLARATION

An officer of the organization, declares under penalties of law that the information provided in this application is true and correct to the best of his/her knowledge and belief. Any person who knowingly provides materially false information in an application for a license may be required to forfeit not more than \$1,000.

Officer [Signature]
(Signature / Date)

THE ROTARY CLUB OF MUKWONAGO
(Name of Organization)

Date Filed with Clerk _____

Date Reported to Council or Board _____

Date Granted by Council _____

License No. _____

Application for Temporary Class "B" / "Class B" Retailer's License

See Additional Information on reverse side. Contact the municipal clerk if you have questions.

FEE \$ _____

Application Date: 4-24-24

☐ Town ☒ Village ☐ City of MUKWONAGO

County of WAUKESHA

The named organization applies for: (check appropriate box(es).)

☒ A Temporary Class "B" license to sell fermented malt beverages at picnics or similar gatherings under s. 125.26(6), Wis. Stats.

☒ A Temporary "Class B" license to sell wine at picnics or similar gatherings under s. 125.51(10), Wis. Stats.

at the premises described below during a special event beginning 3:00 PM and ending 10:00 PM and agrees to comply with all laws, resolutions, ordinances and regulations (state, federal or local) affecting the sale of fermented malt beverages and/or wine if the license is granted.

1. Organization (check appropriate box) →

☒ Bona fide Club

☐ Church

☐ Lodge/Society

☐ Veteran's Organization

☐ Fair Association or Agricultural Society

☐ Chamber of Commerce or similar Civic or Trade Organization organized under ch. 181, Wis. Stats.

(a) Name ROTARY CLUB OF MUKWONAGO

(b) Address P.O. Box 114, Mukwonago, WI 53149
(Street) ☐ Town ☒ Village ☐ City

(c) Date organized 1-4-1990

(d) If corporation, give date of incorporation _____

(e) If the named organization is not required to hold a Wisconsin seller's permit pursuant to s. 77.54 (7m), Wis. Stats., check this box: ☒

(f) Names and addresses of all officers:

President PETER BARRETTE

Vice President JIM COTTURONE

Secretary TOM HERLUGSON

Treasurer JEFF PEIFFER

(g) Name and address of manager or person in charge of affair: JEFF PEIFFER
MUKWONAGO, WI 53149

2. Location of Premises Where Beer and/or Wine Will Be Sold, Served, Consumed, or Stored, and Areas Where Alcohol Beverage Records Will be Stored:

(a) Street number PHANTOM STAGE AT INDIAN HEAD PARK

(b) Lot _____ Block _____

(c) Do premises occupy all or part of building? YES

(d) If part of building, describe fully all premises covered under this application, which floor or floors, or room or rooms, license is to cover: AREA NEAR PHANTOM JUNCTION STAGE

3. Name of Event

(a) List name of the event PHANTOM JUNCTION STAGE SUMMER CONCERTS

(b) Dates of event Sept 28th

DECLARATION

An officer of the organization, declares under penalties of law that the information provided in this application is true and correct to the best of his/her knowledge and belief. Any person who knowingly provides materially false information in an application for a license may be required to forfeit not more than \$1,000.

Officer Jeff Peiffer
(Signature / Date)

THE ROTARY CLUB OF MUKWONAGO
(Name of Organization)

Date Filed with Clerk _____

Date Reported to Council or Board _____

Date Granted by Council _____

License No. _____



Agenda Item Cover Report

Date: 4-25-24	Committee/Board: Public Works
Submitted by: Wayne Castle	Department: Water Utility
Date of Committee Action: 5-1-24	Date of Village Board Action: 5-15-24

Subject:

Resolution to declare intent to reimburse expenditures for Safe Drinking Water Loan Program for the Wells #3 and #4 HMO treatment project.

Executive Summary:

Project planning, design, public bidding, and construction related services will proceed prior to the SDWLP loan issuance and the Village wishes to declare the use of internal funds to temporarily fund costs of the Project until the SDWLP loan is obtained.

Fiscal Impact:

None

Executive Recommendation/Action:

For the Committee of the Whole to recommend to the Village Board to pass the attached resolution.

☒ **Attachments Included**

- **Interim Financing Resolution Wells No. 3 & No. 4 HMO Treatment System**

RESOLUTION NO. 2024-28

**INTERIM FINANCING COMFORT RESOLUTION
WELLS NO. 3 & NO. 4 HMO TREATMENT SYSTEM AND
SUPPLY SYSTEM WATER MAIN REVISIONS**

WHEREAS, the Village of Mukwonago, Wisconsin, (Village) is a municipally owned water utility that consists of five wells, one concrete in-ground storage reservoir, two elevated storage tanks, and approximately 264,478 linear feet of water main; and

WHEREAS, the Village of Mukwonago water utility has placed Well No. 7 in standby mode due to presence of per and poly-fluoroalkyl substances (PFAS); and

WHEREAS, the Village of Mukwonago water utility currently has a deficit of water supply capacity even with the normal operation of Well No 7; and

WHEREAS, the proposed Hydrous Manganese Oxide Filtration System at Well No. 4 and the other distribution system improvements as part of the project, would provide radium removal treatment from the groundwater discharged from Well No. 4 and Well No. 3 and provide the Village water utility with greater water supply capacity; and

WHEREAS, a large portion of the existing building at Well No. 4 would be removed and a new building addition would be constructed; and

WHEREAS, The Village intends to involve applying for funding through the Safe Drinking Water Loan Program (SDWLP). A major emphasis on the Project will be to solicit and obtain principal forgiveness for the project; and

WHEREAS, Project planning, design, public bidding and construction related services will proceed prior to the SDWLP loan issuance and the Village wishes to declare the use of internal funds to temporarily fund costs of the Project until the SDWLP loan is obtained, and

NOW, THEREFORE, BE IT RESOLVED, by the Village Board of the Village of Mukwonago, Wisconsin, that:

1. Expenditures of Funds. The Village of Mukwonago, through its Board, shall make expenditures as needed from Utility reserve funds to pay the cost of engineering and construction related services of the Project until the SDWLP loan proceeds become available for Utility reimbursement.
2. Declaration of Official Intent. The Village hereby officially declares its intent under Treasury Regulations, 26 CFR 1.150-2 to reimburse said expenditures with proceeds of the SDWLP Financial Aid Agreement, the aggregate principal amount of debt for the Project is expected not to exceed \$8,000,000.

Adopted this 15th day of May 2024.

By: _____
Fred Winchowky, Village President



Attest: _____
Diana A Dykstra, MMC
Village Clerk-Treasurer



Agenda Item Cover Report

Date: 04/09/2024	Committee/Board: Protective Services
Submitted by: Chief Streit	Department: Police
Date of Committee Action: 05/01/2024	Date of Village Board Action: 05/15/2024

Subject:

Suburban Critical Incident Team MOU Changes

Executive Summary:

The Village of Mukwonago is one of nine police departments participating in the Suburban Critical Incident Team. SCIT updated our Memorandum of Understanding regarding expenses. SCIT is also adding Tactical EMS personnel from two fire departments that requires separate MOUs with the participating fire departments.

Fiscal Impact:

None

Executive Recommendation/Action:

Approve President Winchowky and Chief Streit to sign the three MOUs regarding SCIT.

 **Attachments Included**

	City of Brookfield	Village of Chenequa	City of Delafield
	Village of Elm Grove	Village of Hartland	Village of Mukwonago
	City of Muskego	City of New Berlin	Village of Pewaukee

Title:	Suburban Critical Incident Team Mutual Aid Agreement				
Issued:	09-12-95	Updated:	01-13-24	Pages:	13

The undersigned Agencies agree pursuant to Wisconsin Statutes as follows:

Section 1. PURPOSE OF AGREEMENT

This Agreement is made in recognition of the fact that situations may occur which are beyond the ability of the individual law enforcement Agency to deal with effectively in terms of personnel, equipment and available resources. Each Agency in the Suburban Critical Incident Team (SCIT) expresses its intent to assist the other Agencies by assigning some of its specially trained personnel and available resources to permit the law enforcement Agency of each municipality to more fully safeguard the lives, persons and property of all citizens.

Section 2. DEFINITIONS

For the purpose of this Agreement, the following terms are defined as follows:

A. AGENCY

A law enforcement organization recognized by its city, village, town, county or state.

B. AIDING AGENCY

A municipality furnishing police equipment and personnel to a Requesting Agency, pursuant to this Agreement.

C. ASSIGNMENTS

A predetermined listing of Aiding Agency personnel and equipment that will respond to aid a Requesting Agency.

D. CHIEF

The head of law enforcement for a Participating Agency is referred to herein as "Chief," and collectively the heads of law enforcement for all Participating Agencies are referred to herein as "Chiefs." Collectively, and individually the "Chief."

E. GOVERNING BOARD

Consists of the Police Chiefs of the Participating Agencies.

F. MUTUAL AID

Services provided by an Aiding Agency to a Requesting Agency outside the Aiding Agency's home jurisdiction to a Tactical Incident.

G. PARTICIPATING AGENCY

An Agency that commits itself to this Mutual Aid Agreement by adopting an ordinance or resolution authorizing participation.

H. REQUESTING AGENCY

A municipality requesting police equipment and personnel due to a Tactical Incident, pursuant to this Agreement.

I. SUBURBAN CRITICAL INCIDENT TEAM

The Wisconsin law enforcement Agencies participating in this Mutual Aid Agreement, collectively.

J. TACTICAL INCIDENT

An emergency situation or potential situation that threatens or causes loss of life and property and exceeds the physical and organizational capabilities of a unit of local government.

Section 3. AGREEMENT TO EFFECTUATE THE MUTUAL AID PLAN

The senior on-duty officer of each Participating Agency is authorized to do the following:

- A. Whenever a Tactical Incident occurs or is likely to occur, the Requesting Agency's senior on-duty officer shall request assistance of the Aiding Agencies under the terms of this Agreement.
- B. The senior on-duty officers of the Aiding Agencies are authorized to and shall take the following action upon receipt of a request for aid pursuant to this Agreement:
 - 1. Promptly determine what resources are required according to the situation.
 - 2. Promptly determine if the required personnel and equipment can be committed in response to the request from the Requesting Agency.
 - 3. If so, promptly dispatch the required personnel and equipment to the Requesting Agency in accordance with team operating procedures.
- C. The rendering of assistance under the terms of this Agreement is not mandatory. The Aiding Agency's senior on-duty officer may determine not to respond, for example, if the available personnel and equipment are required for the Aiding Agency's protection. In that event, the

Aiding Agency's senior on-duty officer must promptly notify the Requesting Agency of the same. The senior on-duty officer's judgment is final.

- D. The Requesting Agency's senior on-duty officer shall assume full responsibility and incident command for operations for the Tactical Incident along with the SCIT Tactical Commander.
- E. The Requesting Agency may request Mutual Aid under this Agreement only for Tactical Incidents. Aiding Agencies will be released and returned to duty in their home jurisdictions as soon as the situation is restored to the point which permits the Requesting Agency to adequately handle it with its own resources. Aiding Agencies may also return to duty in their own home jurisdiction at any time, upon notifying the SCIT Tactical Commander, if the Aiding Agency's senior on-duty officer determines the required equipment and personnel can no longer be committed to the Tactical Incident.

Section 4. STATUTORY AUTHORITIES

This Agreement is entered pursuant to Wisconsin Statutes §66.0301. The following statutory rights and responsibilities shall apply.

- A. Wisconsin Statutes §66.0313: Law enforcement; mutual assistance.
- B. Wisconsin Statutes §66.0513: Police, pay when acting outside county or municipality.
- C. Wisconsin Statutes §895.35: Expenses in actions against municipal and other officers.
- D. Wisconsin Statutes §895.46: State and political subdivisions thereof to pay judgments taken against officers.

To ensure compliance with State laws and to avoid ambiguity, all future amendments and recodification of the foregoing statutes, and judicial interpretations thereof, are incorporated herein and shall apply. Nothing contained within this paragraph or Agreement is intended to be a waiver or estoppel of the municipality or its insurer to rely upon the limitations, defenses, and immunities contained within Wisconsin law, including those contained within Wisconsin Statutes 893.80, 895.52, and 345.05. To the extent that indemnification is available and enforceable, the municipality or its insurer shall not be liable in indemnity or contribution for an amount greater than the limits of liability for municipal claims established by Wisconsin law.

Section 5. EXPENSES

All expenses incurred during participation in this Agreement shall be borne by each Participating Agency, and Participating Agencies shall not be required to pay or reimburse any other Participating Agency for any expenses incurred in the course of participation, except as set forth in this paragraph. In the case of highly unusual or excessively burdensome expenses, worker's compensation, or significant events involving death or serious injury to an officer, Wis. Stat. §§ 66.0313 and 66.0513 will apply, and an Aiding Agency may submit requests for reimbursement to the Requesting Agency. Nothing herein shall be interpreted to prevent Participating Agencies from voluntarily cooperating in law enforcement services, including voluntary sharing of equipment or facilities and voluntarily providing services without seeking reimbursement of costs. Each Participating Agency hereby authorizes its Chief/Sheriff to exercise discretion in cooperating with Participating Agencies.

Section 6. INSURANCE

Each Participating Agency shall maintain insurance coverage to protect against risks arising out of this Agreement, which shall include general liability coverage with contractual liability coverage, automobile liability coverage, workers compensation coverage, and such additional coverage and amounts as further specified by the Chiefs/Sheriffs.

Section 7. NO THIRD-PARTY BENEFICIARIES

This Agreement is solely between the Participating Agencies, each of whom acts individually in the performance of this Agreement. There are no third-party beneficiaries to this Agreement. No separate entities are hereby created.

Section 8. ADMINISTRATION

This Agreement shall be administered within the SCIT By-Laws by the Governing Board of the Participating Agencies.

Section 9. TERMINATION

Any Participating Agency may voluntarily withdraw from this Agreement by notifying the Chiefs of the other Participating Agencies in writing, whereupon the withdrawing Agency will terminate participation ninety (90) days from the date of written notice. The Chiefs may adopt procedures for involuntarily terminating Agencies who fail to comply with the terms of this Agreement or By-laws and may exercise that authority.

Section 10. EFFECTIVE DATE

This Agreement shall be in full force and in effect with the passage and approval of an Ordinance or Resolution by each Participating Agency's municipal governing body, in the manner provided by law, and its execution by authorized officials. This Agreement supersedes any agreement between any of the Participating Agencies concerning the Suburban Critical Incident Team.

Section 11. COUNTERPARTS

This Agreement may be executed in multiple counterparts, each of which is an original and all of which taken together form one single document. Signatures delivered in original form or electronically shall be effective.

Section 12. AMENDMENTS AND SEVERABILITY.

This Agreement may be amended, but only in writing duly executed by all the parties. The provisions of this Agreement are severable and if a court of competent jurisdiction holds any portion of this Agreement unconstitutional or invalid, the remainder of this Agreement shall not be affected and shall remain in full force and effect.

City of Brookfield

By: _____
Mayor Steven V. Ponto

By: _____
Police Chief James Adlam

Michelle Luedtke, City Clerk

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Seven V. Ponto, Michelle Luedtke, and James Adlam, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Renee J. Tadych, Deputy City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

.....

City of Delafield

By: _____
Mayor Kent Atwell

By: _____
Police Chief Landon Nyren

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Kent Atwell and Landon Nyren, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Molly Schneider, City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

City of Muskego

By: _____
Mayor Rick Petfalski

By: _____
Police Chief Steve Westphal

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Rick Petfalski and Steve Westphal, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Kerri Roller, City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

City of New Berlin

By: _____
Mayor David Ament

By: _____
Police Chief Jeff Hingiss

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named David Ament and Jeff Hingiss, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Rubina Medina, City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

Village of Chenequa

By: _____
President JoAnn Villacencio

By: _____
Police Chief Dan Neumer

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named JoAnn Villacencio and Dan Neumer, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Deanna Braunshweig, Village Clerk-Treasurer
Notary Public, State of Wisconsin
My Commission expires: _____

Village of Elm Grove

By: _____
President Jim Koleski

By: _____
Police Chief Jason Hennen

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Jim Koleski and Jason Hennen, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Thomas Harrigan, Interim Village Clerk-Treasurer
Notary Public, State of Wisconsin
My Commission expires: _____

Village of Hartland

By: _____
President Jeffrey Pfannerstill

By: _____
Police Chief Torin Misko

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Jeffrey Pfannerstill and Torin Misko, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Santee Policello, Village Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

Village of Mukwonago

By: _____
President Fred Winchowky

By: _____
Police Chief Dan Streit

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Fred Winchowky and Dan Streit, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Diana Dykstra, Village Clerk-Treasurer
Notary Public, State of Wisconsin
My Commission expires: _____

Village of Pewaukee

By: _____
President Jeff Knutson

By: _____
Police Chief Tim Heier

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Jeff Knutson and Tim Heier, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Cassandra Smith, Village Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

MUTUAL AID AGREEMENT

Pursuant to the authority granted by Wis. Stat. § 66.0301, this Mutual Aid Agreement (hereinafter “Agreement”) is made and entered into this ____ day of _____, 2024, by and between the Cities of Delafield, Muskego and New Berlin, and the Villages of Chenequa, Elm Grove, Hartland, Mukwonago, and Pewaukee (hereinafter collectively referred to as “SCIT”) and the City of Brookfield (hereinafter referred to as “Brookfield”).

WHEREAS, the Cities of Brookfield, Delafield, Muskego and New Berlin, as well as the Villages of Chenequa, Elm Grove, Hartland, Mukwonago, and Pewaukee have entered into the Suburban Critical Incident Team Mutual Aid Agreement (“SCIT Agreement”) pursuant to Wisconsin Statutes Section 66.0301 for purposes of providing mutual aid for police Tactical Incidents between the various communities to address situations which may occur that are beyond the ability of any one of the individual participating communities to deal with in terms of personnel, equipment, and available resources; and

WHEREAS, the SCIT Agreement acknowledges and is subject to Wisconsin Statute § 66.0313 dealing with law enforcement mutual assistance; Wisconsin Statute § 66.0513, dealing with police pay when acting outside a municipality or county; Wisconsin Statute § 895.35, dealing with expenses and actions against municipal and other officers; and § 895.46, dealing with judgments being paid by political subdivisions regarding judgments taken against officers; and

WHEREAS, Brookfield is interested in enabling members of its Fire Department to receive training regarding Tactical Emergency Medical Services (hereinafter referred to as “TEMS”), as well as having its employees, who are trained and certified to provide TEMS, available to provide TEMS during SCIT Tactical Incidents; and

WHEREAS, the SCIT and Brookfield wish to formalize their intergovernmental cooperation and mutual aid agreement through this Agreement.

NOW, THEREFORE, SCIT and Brookfield do hereby covenant and agree as follows:

1. For purposes of this Agreement, the following definitions shall apply:
 - a. **Aiding Agency** – A municipality furnishing emergency services equipment and personnel to a Requesting Agency, pursuant to this Agreement.
 - b. **Mutual Aid** – services provided by an Aiding Agency to a Requesting Agency outside the Aiding Agency’s home jurisdiction due to a Tactical Incident.
 - c. **Requesting Agency** – a municipality requesting emergency services equipment and personnel due to a Tactical Incident.
 - d. **Tactical Incident** – an emergency situation or potential situation that threatens or causes loss of life and property and exceeds the physical and organizational capabilities of a unit of local government.
2. Brookfield and the SCIT acknowledge they have been duly authorized by the municipalities participating in this SCIT and its governing body to enter into, and

from time to time execute, agreements with other municipalities for mutual aid related to fire and police services.

3. The parties acknowledge that whenever a Tactical Incident occurs that is of such magnitude and consequence that results in utilization of the SCIT team, the availability and assistance of emergency medical personnel who have received training and are certified to provide TEMS would be beneficial.
4. In consideration of Brookfield permitting TEMS-certified staff to assist the SCIT on a mutual aid basis, SCIT agrees to assist Brookfield in training of its Fire Department personnel for TEMS so as to obtain certification for Brookfield Fire Department personnel to provide TEMS.
5. To ensure operational readiness, Brookfield agrees to regularly have its Fire Department's TEMS personnel attend SCIT training as required by the SCIT Governing Board and any policies or procedures issued by the Board.
6. Whenever a Tactical Incident occurs or is likely to occur, the Senior On-duty Officer of the Requesting Agency shall request trained TEMS Brookfield Fire Department personnel who have been approved by the SCIT Governing Board to aid the SCIT. The Senior On-duty Officer of Brookfield's Fire Department, upon receiving a request from the Senior On-duty Officer of the Requesting Agency, shall determine as soon as reasonably practicable what resources of the Brookfield Fire Department are required to address the situation and, in addition, to determine if the required equipment and personnel can be committed in response to the request from the Requesting Agency. If a determination is made by the Brookfield Fire Department Senior On-duty Officer that staff and equipment are available and can be deployed in response to the incident, the Brookfield Fire Department Supervisor shall dispatch, as soon as possible, the personnel and equipment to the Requesting Agency in accordance with the SCIT's Governing Board's policies and/or procedures.
7. The rendering of assistance by the Brookfield Fire Department, under the terms of this Agreement, is not mandatory. The Brookfield Fire Department Senior On-duty Officer may determine not to respond, for example, if the available personnel and equipment are required for the protection of Brookfield Fire Department's home jurisdiction. In that event, the Brookfield Fire Department's Senior On-duty Officer must immediately notify the Requesting Agency of that circumstance.
8. The Senior On-duty Officer of the Requesting Agency shall assume full responsibility and incident command for the operations for the Tactical Incident along with the SCIT Tactical Commander. The Brookfield Fire Department's TEMS personnel shall be fully responsible, however, for operational decisions involving medical treatment in coordination with the Senior On-Duty Officer of the Requesting Agency and the SCIT Tactical Commander.

9. The Requesting Agency may request mutual aid under this Agreement only for Tactical Incidents. The Brookfield Fire Department TEMS personnel will be released and returned to duty in their home jurisdiction as soon as the situation is restored to the point where the assistance of the Brookfield Fire Department's TEMS personnel are no longer necessary. The Brookfield Fire Department may also request that their personnel return to duty in their home jurisdiction at any time, upon notifying the SCIT Tactical Commander, if the Brookfield Fire Department's senior on-duty officer determines the required equipment and personnel can no longer be committed to the Tactical Incident.
10. Each participating agency of SCIT and the Brookfield Fire Department assume the responsibility, including legal and financial responsibility, for members of their own departments acting pursuant to this Agreement. All expenses incurred during participation in this Agreement shall be borne by each party, and parties shall not be required to pay or reimburse any other party for any expenses incurred in the course of participation, except as set forth in this paragraph. In the case of highly unusual or excessively burdensome expenses, worker's compensation, or significant events involving death or serious injury to an officer or personnel, Wis. Stat. §§ 66.0313 and 66.0513 will apply, including for the Brookfield Fire Department under this Agreement, and an Aiding Agency may submit requests for reimbursement to the Requesting Agency. Nothing herein shall be interpreted to prevent the parties from voluntarily cooperating in the services contemplated by this Agreement, including voluntary sharing of equipment or facilities and voluntarily providing services without seeking reimbursement of costs. Each party hereby authorizes its Chief/Sheriff to exercise discretion in cooperating with the other parties.
11. The Brookfield Fire Department may withdraw from participation in this Agreement upon ninety (90) days written notice to the other parties. The SCIT municipalities may withdraw from participation in this Agreement upon 90 days written notice to the Brookfield Fire Department upon a majority vote of the SCIT Governing Board.
12. Except as set forth in Section 10 above, the parties to this Agreement acknowledge that the provisions of Wisconsin Statutes §§ 66.0313, 66.0513, 895.35 and 895.46 are incorporated into this Agreement and shall apply to this relationship between the parties. To ensure compliance with state law and to avoid ambiguity, all future amendments and recodification of the foregoing statutes and judicial interpretations thereof are incorporated herein and shall apply.
13. Nothing contained within this paragraph or Agreement is intended to be a waiver or estoppel of the ability of municipality or its insurer to rely upon the limitations, defenses and immunities set forth under Wisconsin law, including those contained under Wisconsin Statute §§ 893.80, 895.52 and 345.05. To the extent that indemnification is available and enforceable, the municipality or its insurer shall

not be liable in indemnity or contribution for an amount greater than the limits of liability for municipal claims under Wisconsin Law.

14. Each party shall maintain insurance coverage to protect against risks arising out of this Agreement, which shall include general liability coverage with contractual liability coverage, automobile liability coverage, workers compensation coverage and such additional coverage in amounts as further specified by the Chiefs or parties.
15. This Agreement is solely between the parties, each of whom acts individually in the performance of this Agreement. There are no third-party beneficiaries to this Agreement and no separate entities are hereby created.
16. This Agreement shall become effective upon its passage and publication by each party's governing body, in the manner provided by law, and its execution by the authorized officials.
17. This Agreement may be executed in multiple counterparts, each of which is an original and all of which taken together form one single document. Signatures delivered in original form or electronically shall be effective.
18. This Agreement may be amended, but only in writing duly executed by all the parties.
19. The provisions of this Agreement are severable and if a court of competent jurisdiction holds any portion of this Agreement unconstitutional or invalid, the remainder of this Agreement shall not be affected and shall remain in full force and effect.

[Signature Pages to Follow]

SCIT:
City of Brookfield

By: _____
Mayor Steven V. Ponto

By: _____
Police Chief James Adlam

Michelle Luedtke, City Clerk

David Mason, Fire Chief

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Steven V. Ponto, Michelle Luedtke, David Mason, and James Adlam, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Renee Tadych, Deputy City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

.....

SCIT:
City of Delafield

By: _____
Mayor Kent Atwell

By: _____
Police Chief Landon Nyren

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Kent Atwell and Landon Nyren, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Molly Schneider, City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

SCIT:
City of Muskego

By: _____
Mayor Rick Petfalski

By: _____
Police Chief Steve Westphal

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Rick Petfalski and Steve Westphal, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Kerri Roller, City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

SCIT:
City of New Berlin

By: _____
Mayor David Ament

By: _____
Police Chief Jeff Hingiss

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named David Ament and Jeff Hingiss, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Rubina Medina, City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

**SCIT:
Village of Chenequa**

By: _____
President JoAnn Villacencio

By: _____
Police Chief Dan Neumer

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named JoAnn Villacencio and Dan Neumer, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Deanna Braunshweig, Village Clerk-Treasurer
Notary Public, State of Wisconsin
My Commission expires: _____

SCIT:
Village of Elm Grove

By: _____
President Jim Koleski

By: _____
Police Chief Jason Hennen

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Jim Koleski and Jason Hennen, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Thomas Harrigan, Interim Village Clerk-Treasurer
Notary Public, State of Wisconsin
My Commission expires: _____

**SCIT:
Village of Hartland**

By: _____
President Jeffrey Pfannerstill

By: _____
Police Chief Torin Misko

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Jeffrey Pfannerstill and Torin Misko, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Santee Policello, Village Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

SCIT:
Village of Mukwonago

By: _____
President Fred Winchowky

By: _____
Police Chief Dan Streit

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Fred Winchowky and Dan Streit, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Diana Dykstra, Village Clerk-Treasurer
Notary Public, State of Wisconsin
My Commission expires: _____

**SCIT:
Village of Pewaukee**

By: _____
President Jeff Knutson

By: _____
Police Chief Tim Heier

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Jeff Knutson and Tim Heier, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Cassandra Smith, Village Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

MUTUAL AID AGREEMENT

Pursuant to the authority granted by Wis. Stat. § 66.0301, this Mutual Aid Agreement (hereinafter “Agreement”) is made and entered into this ____ day of _____, 2024, by and between the Cities of Brookfield, Delafield, Muskego and New Berlin, and the Villages of Chenequa, Elm Grove, Hartland, Mukwonago, and Pewaukee (hereinafter collectively referred to as “SCIT”) and the LAKE COUNTRY FIRE AND RESCUE FIRE BOARD (hereinafter referred to as the “Board”).

WHEREAS, the Cities of Brookfield, Delafield, Muskego and New Berlin, as well as the Villages of Chenequa, Elm Grove, Hartland, Mukwonago, and Pewaukee have entered into the Suburban Critical Incident Team Mutual Aid Agreement (“SCIT Agreement”) pursuant to Wisconsin Statutes Section 66.0301 for purposes of providing mutual aid between the various communities to address situations which may occur that are beyond the ability of any one of the individual participating communities to deal with in terms of personnel, equipment, and available resources; and

WHEREAS, the SCIT Agreement acknowledges and is subject to Wisconsin Statute § 66.0313 dealing with law enforcement mutual assistance; Wisconsin Statute § 66.0513, dealing with police pay when acting outside a municipality or county; Wisconsin Statute § 895.35, dealing with expenses and actions against municipal and other officers; and § 895.46, dealing with judgments being paid by political subdivisions regarding judgments taken against officers; and

WHEREAS, the Board is responsible for overseeing the operation of the Lake Country Fire and Rescue, which was created by an Inter-municipal Agreement between the Villages of Chenequa, Nashotah, Oconomowoc Lake and Wales, as well as the Towns of Delafield and Genesee, and the City of Delafield for the purpose of providing fire and paramedic protection by a Joint Fire Department; and

WHEREAS, the Board is interested in enabling members of its Department to receive training regarding Tactical Emergency Medical Services (hereinafter referred to as “TEMS”), as well as qualifying employees of the Lake Country Fire Department (hereinafter referred to as the “LCFR Department”), who are trained and certified to provide TEMS, available to provide TEMS during SCIT Tactical Incidents; and

WHEREAS, the SCIT and the Board wish to formalize their intergovernmental cooperation and mutual aid agreement through this Agreement.

NOW, THEREFORE, SCIT and the Board do hereby covenant and agree as follows:

1. For purposes of this Agreement, the following definitions shall apply:
 - a. **Aiding Agency** – A municipality furnishing emergency services equipment and personnel to a Requesting Agency, pursuant to this Agreement.

- b. **Mutual Aid** – services provided by an Aiding Agency to a Requesting Agency outside the Aiding Agency’s home jurisdiction due to a Tactical Incident.
 - c. **Requesting Agency** – a municipality requesting emergency services equipment and personnel due to a Tactical Incident.
 - d. **Tactical Incident** – an emergency situation or potential situation that threatens or causes loss of life and property and exceeds the physical and organizational capabilities of a unit of local government.
- 2. The Board and the SCIT acknowledge they have been duly authorized by the municipalities participating in this SCIT and the LCFR Department to enter into, and from time to time execute, agreements with other municipalities for mutual aid related to fire and police services.
- 3. The parties acknowledge that whenever a Tactical Incident occurs that is of such magnitude and consequence that results in utilization of the SCIT team, the availability and assistance of emergency medical personnel who have received training and are certified to provide TEMS would be beneficial.
- 4. In consideration of the Board permitting TEMS-certified staff to assist the SCIT on a mutual aid basis, SCIT agrees to assist the LCFR Department in training of LCFR Department personnel for TEMS so as to obtain certification for LCFR Department personnel to provide TEMS.
- 5. To ensure operational readiness, the LCFR Department agrees to regularly have TEMS personnel attend SCIT training as required by the SCIT Governing Board and any policies or procedures issued by the Board.
- 6. Whenever a Tactical Incident occurs or is likely to occur, the Senior On-duty Officer of the Requesting Agency shall request trained TEMS LCFR personnel who have been approved by the SCIT Governing Board to aid the SCIT. The Senior On-duty Officer of the LCFR Department, upon receiving a request from the Senior On-duty Officer of the Requesting Agency, shall determine as soon as reasonably practicable what resources of the LCFR Department are required to address the situation and, in addition, to determine if the required equipment and personnel can be committed in response to the request from the Requesting Agency. If a determination is made by the LCFR Senior On-duty Officer that staff and equipment are available and can be deployed in response to the incident, the LCFR Department Supervisor shall dispatch, as soon as possible, the personnel and equipment to the Requesting Agency in accordance with the SCIT’s Governing Board’s policies and/or procedures.
- 7. The rendering of assistance by the LCFR Department, under the terms of this Agreement, is not mandatory. The LCFR Senior On-duty Officer may determine not to respond, for example, if the available personnel and equipment are required for the protection of the LCFR’s home jurisdiction. In that event, the LCFR

Department's Senior On-duty Officer must immediately notify the Requesting Agency of that circumstance.

8. The Senior On-duty Officer of the Requesting Agency shall assume full responsibility and incident command for the operations for the Tactical Incident along with the SCIT Tactical Commander,. The LCFR Department TEMS personnel shall be fully responsible, however, for operational decisions involving medical treatment in coordination with the Senior On-Duty Officer of the Requesting Agency and the SCIT Tactical Commander.
9. The Requesting Agency may request mutual aid under this Agreement only for Tactical Incidents. The LCFR Department TEMS personnel will be released and returned to duty in their home jurisdiction as soon as the situation is restored to the point where the assistance of the LCFR Department's TEMS personnel are no longer necessary. The LCFR Department may also request that their personnel return to duty in their home jurisdiction at any time, upon notifying the SCIT Tactical Commander, if the LCFR Department's senior on-duty officer determines the required equipment and personnel can no longer be committed to the Tactical Incident.
10. Each participating agency of SCIT and the LCFR Department assume the responsibility, including legal and financial responsibility, for members of their own departments acting pursuant to this Agreement. All expenses incurred during participation in this Agreement shall be borne by each party, and parties shall not be required to pay or reimburse any other party for any expenses incurred in the course of participation, except as set forth in this paragraph. In the case of highly unusual or excessively burdensome expenses, worker's compensation, or significant events involving death or serious injury to an officer or emergency personnel, a party may submit requests for reimbursement to benefited parties, and the benefited parties may elect to provide reimbursement, at the sole discretion of the benefited parties' governing bodies. Nothing herein shall be interpreted to prevent the parties from voluntarily cooperating in the services contemplated by this Agreement, including voluntary sharing of equipment or facilities and voluntarily providing services without seeking reimbursement of costs. Each party hereby authorizes its Chief/Sheriff to exercise discretion in cooperating with the other parties.
11. The LCFR Department may withdraw from participation in this Agreement upon ninety (90) days written notice to the other parties. The SCIT municipalities may withdraw from participation in this Agreement upon 90 days written notice to the LCFR Department upon a majority vote of the SCIT Governing Board.
12. Except as set forth in Section 10 above, the parties to this Agreement acknowledge that the provisions of Wisconsin Statutes §§ 66.0313, 66.0513, 895.35 and 895.46 are incorporated into this Agreement and shall apply to this relationship between the parties. To ensure compliance with state law and to avoid ambiguity, all future

amendments and recodification of the foregoing statutes and judicial interpretations thereof are incorporated herein and shall apply.

13. Nothing contained within this paragraph or Agreement is intended to be a waiver or estoppel of the ability of municipality or its insurer to rely upon the limitations, defenses and immunities set forth under Wisconsin law, including those contained under Wisconsin Statute §§ 893.80, 895.52 and 345.05. To the extent that indemnification is available and enforceable, the municipality or its insurer shall not be liable in indemnity or contribution for an amount greater than the limits of liability for municipal claims under Wisconsin Law.
14. Each party shall maintain insurance coverage to protect against risks arising out of this Agreement, which shall include general liability coverage with contractual liability coverage, automobile liability coverage, workers compensation coverage and such additional coverage in amounts as further specified by the Chiefs or parties.
15. This Agreement is solely between the parties, each of whom acts individually in the performance of this Agreement. There are no third-party beneficiaries to this Agreement and no separate entities are hereby created.
16. This Agreement shall become effective upon its passage and publication by each party's governing body, in the manner provided by law, and its execution by the authorized officials.
17. This Agreement may be executed in multiple counterparts, each of which is an original and all of which taken together form one single document. Signatures delivered in original form or electronically shall be effective.
18. This Agreement may be amended, but only in writing duly executed by all the parties.
19. The provisions of this Agreement are severable and if a court of competent jurisdiction holds any portion of this Agreement unconstitutional or invalid, the remainder of this Agreement shall not be affected and shall remain in full force and effect.

[Signature Pages to Follow]

SCIT:
City of Brookfield

By: _____
Mayor Steven V. Ponto

By: _____
Police Chief James Adlam

Michelle Luedtke, City Clerk

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Steven V. Ponto, Michelle Luedtke, and James Adlam, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Renee Tadych, Deputy City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

.....

SCIT:
City of Delafield

By: _____
Mayor Kent Atwell

By: _____
Police Chief Landon Nyren

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Kent Atwell and Landon Nyren, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Molly Schneider, City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

SCIT:
City of Muskego

By: _____
Mayor Rick Petfalski

By: _____
Police Chief Steve Westphal

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Rick Petfalski and Steve Westphal, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Kerri Roller, City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

SCIT:
City of New Berlin

By: _____
Mayor David Ament

By: _____
Police Chief Jeff Hingiss

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named David Ament and Jeff Hingiss, to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Rubina Medina, City Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

**SCIT:
Village of Chenequa**

By: _____
President JoAnn Villacencio

By: _____
Police Chief Dan Neumer

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named JoAnn Villacencio and Dan Neumer, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Deanna Braunshweig, Village Clerk-Treasurer
Notary Public, State of Wisconsin
My Commission expires: _____

**SCIT:
Village of Elm Grove**

By: _____
President Jim Koleski

By: _____
Police Chief Jason Hennen

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Jim Koleski and Jason Hennen, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Thomas Harrigan, Interim Village Clerk-Treasurer
Notary Public, State of Wisconsin
My Commission expires: _____

**SCIT:
Village of Hartland**

By: _____
President Jeffrey Pfannerstill

By: _____
Police Chief Torin Misko

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Jeffrey Pfannerstill and Torin Misko, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Santee Policello, Village Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

**SCIT:
Village of Mukwonago**

By: _____
President Fred Winchowky

By: _____
Police Chief Dan Streit

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Fred Winchowky and Dan Streit, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Diana Dykstra, Village Clerk-Treasurer
Notary Public, State of Wisconsin
My Commission expires: _____

**SCIT:
Village of Pewaukee**

By: _____
President Jeff Knutson

By: _____
Police Chief Tim Heier

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Jeff Knutson and Tim Heier, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Cassandra Smith, Village Clerk
Notary Public, State of Wisconsin
My Commission expires: _____

LCF Department

(Lake Country Fire Department):

**City of Delafield, Village of Chenequa, Village of Nashotah, Village of Oconomowoc Lake,
Village of Wales, Town of Delafield and Town of Genesee**

By: _____
Rob Bennett, LCFR Fire Board President

By: _____
Fire Chief Matt Fenning

STATE OF WISCONSIN)
) ss.
COUNTY OF WAUKESHA)

Personally came before me, this ____ day of _____, 2024, the above-named Rob Bennett and Matt Fenning, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Notary Public, State of Wisconsin
My Commission expires: _____

Incident Type Report (Summary)

Basic Incident Type Code And Description (FD1.21)	Total Incidents	Total Incidents Percent of Incidents	Total Property Loss	Total Content Loss	Total Loss	Total Loss Percent of Total
Incident Type Category (FD1.21): 1 - Fire						
100 - Fire, other	1	0.14%				
111 - Building fire	10	1.41%	50,000.00	10,000.00	60,000.00	92.88%
113 - Cooking fire, confined to container	2	0.28%	2,500.00	500.00	3,000.00	4.64%
131 - Passenger vehicle fire	1	0.14%	1,500.00	100.00	1,600.00	2.48%
143 - Grass fire	2	0.28%				
Total: 16		Total: 2.25%	Total: 54,000.00	Total: 10,600.00	Total: 64,600.00	Total: 100.00%
Incident Type Category (FD1.21): 3 - Rescue & Emergency Medical Service Incident						
321 - EMS call, excluding vehicle accident with injury	332	46.76%				
3212 - Interfacility Transfer	153	21.55%				
3213 - Intercept	58	8.17%				
322 - Motor vehicle accident with injuries	13	1.83%				
324 - Motor vehicle accident with no injuries.	12	1.69%				
331 - Lock-in (if lock out , use 511)	1	0.14%				
341 - Search for person on land	2	0.28%				
353 - Removal of victim(s) from stalled elevator	1	0.14%				
Total: 572		Total: 80.56%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
Incident Type Category (FD1.21): 4 - Hazardous Condition (No Fire)						
412 - Gas leak (natural gas or LPG)	2	0.28%				
424 - Carbon monoxide incident	1	0.14%				
444 - Power line down	1	0.14%				
445 - Arcing, shorted electrical equipment	27	3.80%				
Total: 31		Total: 4.37%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
Incident Type Category (FD1.21): 5 - Service Call						
500 - Service call, other	4	0.56%				
510 - Person in distress, other	1	0.14%				
522 - Water or steam leak	3	0.42%				
551 - Assist police or other governmental agency	1	0.14%				
561 - Unauthorized burning	1	0.14%				
571 - Cover assignment, standby, moveup	3	0.42%				
Total: 13		Total: 1.83%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
Incident Type Category (FD1.21): 6 - Good Intent Call						
611 - Dispatched and cancelled en route	37	5.21%				
622 - No incident found on arrival at dispatch address	4	0.56%				
631 - Authorized controlled burning	2	0.28%				
651 - Smoke scare, odor of smoke	2	0.28%				
671 - HazMat release investigation w/no HazMat	3	0.42%				
Total: 48		Total: 6.76%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
Incident Type Category (FD1.21): 7 - False Alarm & False Call						
733 - Smoke detector activation due to malfunction	1	0.14%				
735 - Alarm system sounded due to malfunction	5	0.70%				
736 - CO detector activation due to malfunction	2	0.28%				
740 - Unintentional transmission of alarm, other	1	0.14%				
741 - Sprinkler activation, no fire -	1	0.14%				

Basic Incident Type Code And Description (FD1.21)	Total Incidents	Total Incidents Percent of Incidents	Total Property Loss	Total Content Loss	Total Loss	Total Loss Percent of Total
unintentional						
743 - Smoke detector activation, no fire - unintentional	1	0.14%				
745 - Alarm system activation, no fire - unintentional	16	2.25%				
746 - Carbon monoxide detector activation, no CO	3	0.42%				
	Total: 30	Total: 4.23%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
	Total: 710	Total: 100.00%	Total: 54,000.00	Total: 10,600.00	Total: 64,600.00	Total: 100.00%

PERIOD ENDING 04/30/2024

INCLUDING REFERENDUM

GL NUMBER	DESCRIPTION	2024	2024	YTD BALANCE 04/30/2024	AVAILABLE BALANCE	% BDGT USED
		ORIGINAL BUDGET	AMENDED BUDGET			
Fund 150 - FIRE/AMBULANCE FUND						
Revenues						
Dept 4100 - TAXES						
150-4100-411100	GENERAL PROPERTY TAX	202,707.00	202,707.00	67,569.00	135,138.00	33.33
150-4100-411101	FIRE DEPT REFERENDUM	406,349.00	406,349.00	135,449.68	270,899.32	33.33
Total Dept 4100 - TAXES		609,056.00	609,056.00	203,018.68	406,037.32	33.33
Dept 4300 - INTERGOV T REVENUES						
150-4300-434100	STATE SHARED REVENUES	10,000.00	10,000.00	0.00	10,000.00	0.00
150-4300-434200	STATE AID OR GRANT	0.00	0.00	10,520.73	(10,520.73)	100.00
150-4300-434400	EMS ACT102 GRANT	6,000.00	6,000.00	0.00	6,000.00	0.00
150-4300-434700	STATE FIRE DUES PROGRAM	50,376.00	50,376.00	0.00	50,376.00	0.00
Total Dept 4300 - INTERGOV T REVENUES		66,376.00	66,376.00	10,520.73	55,855.27	15.85
Dept 4620 - PUBLIC SAFETY						
150-4620-432000	FIRE DEPT CHARGES FOR SERVICES	500.00	500.00	625.00	(125.00)	125.00
150-4620-432500	AMBULANCE COUNTY COLLECTIONS	23,000.00	23,000.00	7,959.42	15,040.58	34.61
150-4620-473000	EBIX AMBULANCE REVENUE	1,250,000.00	1,250,000.00	436,828.54	813,171.46	34.95
Total Dept 4620 - PUBLIC SAFETY		1,273,500.00	1,273,500.00	445,412.96	828,087.04	34.98
Dept 4700 - INTERGOV T CHARGES FOR SERVICE						
150-4700-434700	STATE FIRE DUES PROGRAM	44,588.00	44,588.00	0.00	44,588.00	0.00
150-4700-473100	FIRE/AMBULANCE SERVICE TO TOWN	202,707.00	202,707.00	101,431.42	101,275.58	50.04
150-4700-473101	FIRE DEPT REFERENDUM - TOWN	406,349.00	406,349.00	101,587.26	304,761.74	25.00
Total Dept 4700 - INTERGOV T CHARGES FOR SERVICE		653,644.00	653,644.00	203,018.68	450,625.32	31.06
Dept 4800 - MISC REVENUE						
150-4800-489000	DONATIONS RECEIVED	1,500.00	1,500.00	2,550.00	(1,050.00)	170.00
150-4800-489900	MISC. REVENUES	0.00	0.00	2,081.47	(2,081.47)	100.00
Total Dept 4800 - MISC REVENUE		1,500.00	1,500.00	4,631.47	(3,131.47)	308.76
Dept 4810 - INTEREST REVENUE						
150-4810-487100	INTEREST REVENUE	12,000.00	12,000.00	17,422.81	(5,422.81)	145.19
Total Dept 4810 - INTEREST REVENUE		12,000.00	12,000.00	17,422.81	(5,422.81)	145.19
TOTAL REVENUES		2,616,076.00	2,616,076.00	884,025.33	1,732,050.67	33.79
Expenditures						
Dept 5140 - ADMINISTRATIVE & GENERAL						
150-5140-511000	SALARIES & WAGES	22,990.00	22,990.00	7,663.32	15,326.68	33.33
150-5140-511200	SOCIAL SECURITY	1,759.00	1,759.00	586.32	1,172.68	33.33
150-5140-515200	RETIREMENT	2,138.00	2,138.00	712.68	1,425.32	33.33
150-5140-515400	HEALTH	2,233.00	2,233.00	744.32	1,488.68	33.33

PERIOD ENDING 04/30/2024

INCLUDING REFERENDUM

GL NUMBER	DESCRIPTION	2024	2024	YTD BALANCE	AVAILABLE	% BDGT
		ORIGINAL BUDGET	AMENDED BUDGET	04/30/2024	BALANCE	USED
Fund 150 - FIRE/AMBULANCE FUND						
Expenditures						
150-5140-515900	OTHER FRINGE BENEFITS	30.00	30.00	10.00	20.00	33.33
Total Dept 5140 - ADMINISTRATIVE & GENERAL		29,150.00	29,150.00	9,716.64	19,433.36	33.33
Dept 5221 - FIRE ADMINISTRATION						
150-5221-511000	SALARIES & WAGES	612,964.00	612,964.00	154,669.79	458,294.21	25.23
150-5221-511100	OVERTIME	48,008.00	48,008.00	13,026.17	34,981.83	27.13
150-5221-511200	SOCIAL SECURITY	50,564.00	50,564.00	12,266.14	38,297.86	24.26
150-5221-515200	RETIREMENT	87,380.00	87,380.00	24,014.14	63,365.86	27.48
150-5221-515400	HEALTH	113,385.00	113,385.00	46,525.77	66,859.23	41.03
150-5221-515900	OTHER FRINGE BENEFITS	3,486.00	3,486.00	280.29	3,205.71	8.04
150-5221-521900	PROFESSIONAL SERVICES	30,000.00	30,000.00	4,290.40	25,709.60	14.30
150-5221-521901	IT PROFESSIONAL SERVICES	1,000.00	1,000.00	360.00	640.00	36.00
150-5221-522100	WATER-SEWER	2,500.00	2,500.00	790.64	1,709.36	31.63
150-5221-522200	ELECTRIC	22,000.00	22,000.00	6,763.64	15,236.36	30.74
150-5221-522500	TELEPHONE	11,000.00	11,000.00	4,271.37	6,728.63	38.83
150-5221-522600	INSURANCE PREMIUMS	88,000.00	88,000.00	45,426.25	42,573.75	51.62
150-5221-522900	SOFTWARE SUPPORT/MAINTENANCE	10,000.00	10,000.00	16,619.75	(6,619.75)	166.20
150-5221-531100	OPERATIONAL SUPPLIES	6,000.00	6,000.00	2,319.27	3,680.73	38.65
150-5221-531300	FIRE PREVENTION MATERIALS	4,000.00	4,000.00	0.00	4,000.00	0.00
150-5221-532400	MEMBERSHIP DUES	2,000.00	2,000.00	549.61	1,450.39	27.48
150-5221-533500	TRAINING & TRAVEL	13,000.00	13,000.00	1,105.45	11,894.55	8.50
150-5221-534600	CLOTHING ALLOWANCE	6,500.00	6,500.00	895.32	5,604.68	13.77
150-5221-539500	REPAIRS & MAINTENANCE	1,500.00	1,500.00	21.28	1,478.72	1.42
150-5221-539900	OTHER	7,100.00	7,100.00	1,553.00	5,547.00	21.87
Total Dept 5221 - FIRE ADMINISTRATION		1,120,387.00	1,120,387.00	335,748.28	784,638.72	29.97
Dept 5222 - FIRE SUPPRESSION						
150-5222-511000	SALARIES & WAGES	15,000.00	15,000.00	2,930.50	12,069.50	19.54
150-5222-511200	SOCIAL SECURITY	1,148.00	1,148.00	224.11	923.89	19.52
150-5222-515200	RETIREMENT	752.00	752.00	138.75	613.25	18.45
150-5222-531100	OPERATIONAL SUPPLIES	7,000.00	7,000.00	1,754.87	5,245.13	25.07
150-5222-534600	CLOTHING ALLOWANCE	6,000.00	6,000.00	260.25	5,739.75	4.34
150-5222-535100	MOTOR FUEL & OIL	10,000.00	10,000.00	1,726.58	8,273.42	17.27
150-5222-539500	REPAIRS & MAINTENANCE	21,093.00	21,093.00	2,196.42	18,896.58	10.41
Total Dept 5222 - FIRE SUPPRESSION		60,993.00	60,993.00	9,231.48	51,761.52	15.14
Dept 5223 - FIRE TRAINING						
150-5223-511000	SALARIES & WAGES	21,020.00	21,020.00	6,683.77	14,336.23	31.80
150-5223-511200	SOCIAL SECURITY	1,608.00	1,608.00	511.38	1,096.62	31.80
150-5223-515200	RETIREMENT	801.00	801.00	271.91	529.09	33.95
150-5223-531100	OPERATIONAL SUPPLIES	1,000.00	1,000.00	230.16	769.84	23.02
150-5223-533500	TRAINING & TRAVEL	3,500.00	3,500.00	1,962.12	1,537.88	56.06
Total Dept 5223 - FIRE TRAINING		27,929.00	27,929.00	9,659.34	18,269.66	34.59
Dept 5231 - AMBULANCE						
150-5231-511000	SALARIES & WAGES	210,794.00	210,794.00	45,664.28	165,129.72	21.66
150-5231-511100	OVERTIME	0.00	0.00	57.00	(57.00)	100.00

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PERIOD ENDING 04/30/2024

INCLUDING REFERENDUM

GL NUMBER	DESCRIPTION	2024	2024	YTD BALANCE	AVAILABLE	% BDGT
		ORIGINAL BUDGET	AMENDED BUDGET	04/30/2024	BALANCE	USED
Fund 150 - FIRE/AMBULANCE FUND						
Expenditures						
150-5231-511200	SOCIAL SECURITY	16,448.00	16,448.00	3,498.03	12,949.97	21.27
150-5231-515200	RETIREMENT	7,614.00	7,614.00	2,505.32	5,108.68	32.90
150-5231-515400	HEALTH	1,275.00	1,275.00	0.00	1,275.00	0.00
150-5231-515900	OTHER FRINGE BENEFITS	50.00	50.00	0.00	50.00	0.00
150-5231-521900	PROFESSIONAL SERVICES	125,000.00	125,000.00	20,818.88	104,181.12	16.66
150-5231-522900	SOFTWARE SUPPORT/MAINTENANCE	0.00	0.00	14,037.76	(14,037.76)	100.00
150-5231-531100	OPERATIONAL SUPPLIES	62,000.00	62,000.00	14,547.88	47,452.12	23.46
150-5231-531500	POSTAGE	500.00	500.00	197.37	302.63	39.47
150-5231-535100	MOTOR FUEL & OIL	23,000.00	23,000.00	4,918.25	18,081.75	21.38
150-5231-539500	REPAIRS & MAINTENANCE	18,000.00	18,000.00	1,046.25	16,953.75	5.81
Total Dept 5231 - AMBULANCE		464,681.00	464,681.00	107,291.02	357,389.98	23.09
Dept 5232 - AMBULANCE TRAINING						
150-5232-511000	SALARIES & WAGES	9,666.00	9,666.00	3,589.77	6,076.23	37.14
150-5232-511200	SOCIAL SECURITY	739.00	739.00	274.60	464.40	37.16
150-5232-515200	RETIREMENT	333.00	333.00	103.02	229.98	30.94
150-5232-531100	OPERATIONAL SUPPLIES	1,500.00	1,500.00	219.50	1,280.50	14.63
150-5232-533500	TRAINING & TRAVEL	3,000.00	3,000.00	195.45	2,804.55	6.52
Total Dept 5232 - AMBULANCE TRAINING		15,238.00	15,238.00	4,382.34	10,855.66	28.76
Dept 5233 - REFERENDUM FUNDED STAFFING						
150-5233-511000	SALARIES & WAGES	416,355.00	416,355.00	126,833.49	289,521.51	30.46
150-5233-511100	OVERTIME	30,139.00	30,139.00	13,404.03	16,734.97	44.47
150-5233-511200	SOCIAL SECURITY	34,157.00	34,157.00	10,284.54	23,872.46	30.11
150-5233-515200	RETIREMENT	52,463.00	52,463.00	20,082.01	32,380.99	38.28
150-5233-515400	HEALTH	127,553.00	127,553.00	33,598.23	93,954.77	26.34
150-5233-515900	OTHER FRINGE BENEFITS	3,449.00	3,449.00	120.99	3,328.01	3.51
150-5233-531100	OPERATIONAL SUPPLIES	6,000.00	6,000.00	405.65	5,594.35	6.76
150-5233-533500	TRAINING & TRAVEL	3,000.00	3,000.00	1,602.32	1,397.68	53.41
150-5233-534600	CLOTHING ALLOWANCE	0.00	0.00	1,363.38	(1,363.38)	100.00
150-5233-581100	EQUIPMENT LESS THAN \$5000	6,000.00	6,000.00	0.00	6,000.00	0.00
Total Dept 5233 - REFERENDUM FUNDED STAFFING		679,116.00	679,116.00	207,694.64	471,421.36	30.58
Dept 5700 - CAPITAL OUTLAY EXPENDITURES						
150-5700-571300	FIRE DEPT CAPITAL EQUIP	25,000.00	25,000.00	0.00	25,000.00	0.00
150-5700-571400	AMBULANCE CAPITAL EQUIP	25,000.00	25,000.00	0.00	25,000.00	0.00
150-5700-572100	FIRE ADMINISTRATION	5,000.00	5,000.00	0.00	5,000.00	0.00
150-5700-580500	ACT 102 EXPENSES	0.00	0.00	2,903.37	(2,903.37)	100.00
Total Dept 5700 - CAPITAL OUTLAY EXPENDITURES		55,000.00	55,000.00	2,903.37	52,096.63	5.28
Dept 5880 - USE OF GRANTS/DONATIONS						
150-5880-580501	GRANT EXPENDITURES (MISC)	0.00	0.00	2,903.37	(2,903.37)	100.00
Total Dept 5880 - USE OF GRANTS/DONATIONS		0.00	0.00	2,903.37	(2,903.37)	100.00

05/09/2024 09:20 AM		REVENUE AND EXPENDITURE REPORT FOR VILLAGE OF MUKWONAGO				Page: 4/4	
User: jstien							
DB: Mukwonago		PERIOD ENDING 04/30/2024					
		INCLUDING REFERENDUM					
		2024		2024	YTD BALANCE	AVAILABLE	% BDGT
GL NUMBER	DESCRIPTION	ORIGINAL	AMENDED	BUDGET	04/30/2024	BALANCE	USED
Fund 150 - FIRE/AMBULANCE FUND							
Expenditures							
Dept 5900 - OTHER FINANCING USES							
150-5900-592000	TRANSFERS TO OTHER FUNDS	66,791.00	66,791.00		0.00	66,791.00	0.00
150-5900-592500	TRANSFER TO DESIGNATED FUNDS	30,000.00	30,000.00		0.00	30,000.00	0.00
150-5900-593000	TRANSFER TO TOWN OF MUKWONAGO	66,791.00	66,791.00		0.00	66,791.00	0.00
Total Dept 5900 - OTHER FINANCING USES		163,582.00	163,582.00		0.00	163,582.00	0.00
TOTAL EXPENDITURES		2,616,076.00	2,616,076.00		689,530.48	1,926,545.52	26.36
Fund 150 - FIRE/AMBULANCE FUND:							
TOTAL REVENUES		2,616,076.00	2,616,076.00		884,025.33	1,732,050.67	33.79
TOTAL EXPENDITURES		2,616,076.00	2,616,076.00		689,530.48	1,926,545.52	26.36
NET OF REVENUES & EXPENDITURES		0.00	0.00		194,494.85	(194,494.85)	100.00

PERIOD ENDING 04/30/2024

FIRE DEPT WITHOUT REFERENDUM

GL NUMBER	DESCRIPTION	2024	2024	YTD BALANCE	AVAILABLE	% BDGT
		ORIGINAL BUDGET	AMENDED BUDGET	04/30/2024	BALANCE	USED
Fund 150 - FIRE/AMBULANCE FUND						
Revenues						
Dept 4100 - TAXES						
150-4100-411100	GENERAL PROPERTY TAX	202,707.00	202,707.00	67,569.00	135,138.00	33.33
Total Dept 4100 - TAXES		202,707.00	202,707.00	67,569.00	135,138.00	33.33
Dept 4300 - INTERGOV T REVENUES						
150-4300-434100	STATE SHARED REVENUES	10,000.00	10,000.00	0.00	10,000.00	0.00
150-4300-434200	STATE AID OR GRANT	0.00	0.00	10,520.73	(10,520.73)	100.00
150-4300-434400	EMS ACT102 GRANT	6,000.00	6,000.00	0.00	6,000.00	0.00
150-4300-434700	STATE FIRE DUES PROGRAM	50,376.00	50,376.00	0.00	50,376.00	0.00
Total Dept 4300 - INTERGOV T REVENUES		66,376.00	66,376.00	10,520.73	55,855.27	15.85
Dept 4620 - PUBLIC SAFETY						
150-4620-432000	FIRE DEPT CHARGES FOR SERVICES	500.00	500.00	625.00	(125.00)	125.00
150-4620-432500	AMBULANCE COUNTY COLLECTIONS	23,000.00	23,000.00	7,959.42	15,040.58	34.61
150-4620-473000	EBIX AMBULANCE REVENUE	1,250,000.00	1,250,000.00	436,828.54	813,171.46	34.95
Total Dept 4620 - PUBLIC SAFETY		1,273,500.00	1,273,500.00	445,412.96	828,087.04	34.98
Dept 4700 - INTERGOV T CHARGES FOR SERVICE						
150-4700-434700	STATE FIRE DUES PROGRAM	44,588.00	44,588.00	0.00	44,588.00	0.00
150-4700-473100	FIRE/AMBULANCE SERVICE TO TOWN	202,707.00	202,707.00	101,431.42	101,275.58	50.04
Total Dept 4700 - INTERGOV T CHARGES FOR SERVICE		247,295.00	247,295.00	101,431.42	145,863.58	41.02
Dept 4800 - MISC REVENUE						
150-4800-489000	DONATIONS RECEIVED	1,500.00	1,500.00	2,550.00	(1,050.00)	170.00
150-4800-489900	MISC. REVENUES	0.00	0.00	2,081.47	(2,081.47)	100.00
Total Dept 4800 - MISC REVENUE		1,500.00	1,500.00	4,631.47	(3,131.47)	308.76
Dept 4810 - INTEREST REVENUE						
150-4810-487100	INTEREST REVENUE	12,000.00	12,000.00	17,422.81	(5,422.81)	145.19
Total Dept 4810 - INTEREST REVENUE		12,000.00	12,000.00	17,422.81	(5,422.81)	145.19
TOTAL REVENUES		1,803,378.00	1,803,378.00	646,988.39	1,156,389.61	35.88
Expenditures						
Dept 5140 - ADMINISTRATIVE & GENERAL						
150-5140-511000	SALARIES & WAGES	22,990.00	22,990.00	7,663.32	15,326.68	33.33
150-5140-511200	SOCIAL SECURITY	1,759.00	1,759.00	586.32	1,172.68	33.33
150-5140-515200	RETIREMENT	2,138.00	2,138.00	712.68	1,425.32	33.33
150-5140-515400	HEALTH	2,233.00	2,233.00	744.32	1,488.68	33.33
150-5140-515900	OTHER FRINGE BENEFITS	30.00	30.00	10.00	20.00	33.33

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PERIOD ENDING 04/30/2024

FIRE DEPT WITHOUT REFERENDUM

GL NUMBER	DESCRIPTION	2024	2024	YTD BALANCE	AVAILABLE	% BDGT
		ORIGINAL BUDGET	AMENDED BUDGET	04/30/2024	BALANCE	USED
Fund 150 - FIRE/AMBULANCE FUND						
Expenditures						
Total Dept 5140 - ADMINISTRATIVE & GENERAL		29,150.00	29,150.00	9,716.64	19,433.36	33.33
Dept 5221 - FIRE ADMINISTRATION						
150-5221-511000	SALARIES & WAGES	612,964.00	612,964.00	154,669.79	458,294.21	25.23
150-5221-511100	OVERTIME	48,008.00	48,008.00	13,026.17	34,981.83	27.13
150-5221-511200	SOCIAL SECURITY	50,564.00	50,564.00	12,266.14	38,297.86	24.26
150-5221-515200	RETIREMENT	87,380.00	87,380.00	24,014.14	63,365.86	27.48
150-5221-515400	HEALTH	113,385.00	113,385.00	46,525.77	66,859.23	41.03
150-5221-515900	OTHER FRINGE BENEFITS	3,486.00	3,486.00	280.29	3,205.71	8.04
150-5221-521900	PROFESSIONAL SERVICES	30,000.00	30,000.00	4,290.40	25,709.60	14.30
150-5221-521901	IT PROFESSIONAL SERVICES	1,000.00	1,000.00	360.00	640.00	36.00
150-5221-522100	WATER-SEWER	2,500.00	2,500.00	790.64	1,709.36	31.63
150-5221-522200	ELECTRIC	22,000.00	22,000.00	6,763.64	15,236.36	30.74
150-5221-522500	TELEPHONE	11,000.00	11,000.00	4,271.37	6,728.63	38.83
150-5221-522600	INSURANCE PREMIUMS	88,000.00	88,000.00	45,426.25	42,573.75	51.62
150-5221-522900	SOFTWARE SUPPORT/MAINTENANCE	10,000.00	10,000.00	16,619.75	(6,619.75)	166.20
150-5221-531100	OPERATIONAL SUPPLIES	6,000.00	6,000.00	2,319.27	3,680.73	38.65
150-5221-531300	FIRE PREVENTION MATERIALS	4,000.00	4,000.00	0.00	4,000.00	0.00
150-5221-532400	MEMBERSHIP DUES	2,000.00	2,000.00	549.61	1,450.39	27.48
150-5221-533500	TRAINING & TRAVEL	13,000.00	13,000.00	1,105.45	11,894.55	8.50
150-5221-534600	CLOTHING ALLOWANCE	6,500.00	6,500.00	895.32	5,604.68	13.77
150-5221-539500	REPAIRS & MAINTENANCE	1,500.00	1,500.00	21.28	1,478.72	1.42
150-5221-539900	OTHER	7,100.00	7,100.00	1,553.00	5,547.00	21.87
Total Dept 5221 - FIRE ADMINISTRATION		1,120,387.00	1,120,387.00	335,748.28	784,638.72	29.97
Dept 5222 - FIRE SUPPRESSION						
150-5222-511000	SALARIES & WAGES	15,000.00	15,000.00	2,930.50	12,069.50	19.54
150-5222-511200	SOCIAL SECURITY	1,148.00	1,148.00	224.11	923.89	19.52
150-5222-515200	RETIREMENT	752.00	752.00	138.75	613.25	18.45
150-5222-531100	OPERATIONAL SUPPLIES	7,000.00	7,000.00	1,754.87	5,245.13	25.07
150-5222-534600	CLOTHING ALLOWANCE	6,000.00	6,000.00	260.25	5,739.75	4.34
150-5222-535100	MOTOR FUEL & OIL	10,000.00	10,000.00	1,726.58	8,273.42	17.27
150-5222-539500	REPAIRS & MAINTENANCE	21,093.00	21,093.00	2,196.42	18,896.58	10.41
Total Dept 5222 - FIRE SUPPRESSION		60,993.00	60,993.00	9,231.48	51,761.52	15.14
Dept 5223 - FIRE TRAINING						
150-5223-511000	SALARIES & WAGES	21,020.00	21,020.00	6,683.77	14,336.23	31.80
150-5223-511200	SOCIAL SECURITY	1,608.00	1,608.00	511.38	1,096.62	31.80
150-5223-515200	RETIREMENT	801.00	801.00	271.91	529.09	33.95
150-5223-531100	OPERATIONAL SUPPLIES	1,000.00	1,000.00	230.16	769.84	23.02
150-5223-533500	TRAINING & TRAVEL	3,500.00	3,500.00	1,962.12	1,537.88	56.06
Total Dept 5223 - FIRE TRAINING		27,929.00	27,929.00	9,659.34	18,269.66	34.59
Dept 5231 - AMBULANCE						
150-5231-511000	SALARIES & WAGES	210,794.00	210,794.00	45,664.28	165,129.72	21.66
150-5231-511100	OVERTIME	0.00	0.00	57.00	(57.00)	100.00
150-5231-511200	SOCIAL SECURITY	16,448.00	16,448.00	3,498.03	12,949.97	21.27
150-5231-515200	RETIREMENT	7,614.00	7,614.00	2,505.32	5,108.68	32.00
150-5231-515400	HEALTH	1,275.00	1,275.00	0.00	1,275.00	0.00

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PERIOD ENDING 04/30/2024

FIRE DEPT WITHOUT REFERENDUM

GL NUMBER	DESCRIPTION	2024	2024	YTD BALANCE	AVAILABLE	% BDGT
		ORIGINAL BUDGET	AMENDED BUDGET	04/30/2024	BALANCE	USED
Fund 150 - FIRE/AMBULANCE FUND						
Expenditures						
150-5231-515900	OTHER FRINGE BENEFITS	50.00	50.00	0.00	50.00	0.00
150-5231-521900	PROFESSIONAL SERVICES	125,000.00	125,000.00	20,818.88	104,181.12	16.66
150-5231-522900	SOFTWARE SUPPORT/MAINTENANCE	0.00	0.00	14,037.76	(14,037.76)	100.00
150-5231-531100	OPERATIONAL SUPPLIES	62,000.00	62,000.00	14,547.88	47,452.12	23.46
150-5231-531500	POSTAGE	500.00	500.00	197.37	302.63	39.47
150-5231-535100	MOTOR FUEL & OIL	23,000.00	23,000.00	4,918.25	18,081.75	21.38
150-5231-539500	REPAIRS & MAINTENANCE	18,000.00	18,000.00	1,046.25	16,953.75	5.81
Total Dept 5231 - AMBULANCE		464,681.00	464,681.00	107,291.02	357,389.98	23.09
Dept 5232 - AMBULANCE TRAINING						
150-5232-511000	SALARIES & WAGES	9,666.00	9,666.00	3,589.77	6,076.23	37.14
150-5232-511200	SOCIAL SECURITY	739.00	739.00	274.60	464.40	37.16
150-5232-515200	RETIREMENT	333.00	333.00	103.02	229.98	30.94
150-5232-531100	OPERATIONAL SUPPLIES	1,500.00	1,500.00	219.50	1,280.50	14.63
150-5232-533500	TRAINING & TRAVEL	3,000.00	3,000.00	195.45	2,804.55	6.52
Total Dept 5232 - AMBULANCE TRAINING		15,238.00	15,238.00	4,382.34	10,855.66	28.76
Dept 5700 - CAPITAL OUTLAY EXPENDITURES						
150-5700-571300	FIRE DEPT CAPITAL EQUIP	25,000.00	25,000.00	0.00	25,000.00	0.00
150-5700-571400	AMBULANCE CAPITAL EQUIP	25,000.00	25,000.00	0.00	25,000.00	0.00
150-5700-572100	FIRE ADMINISTRATION	5,000.00	5,000.00	0.00	5,000.00	0.00
150-5700-580500	ACT 102 EXPENSES	0.00	0.00	2,903.37	(2,903.37)	100.00
Total Dept 5700 - CAPITAL OUTLAY EXPENDITURES		55,000.00	55,000.00	2,903.37	52,096.63	5.28
Dept 5880 - USE OF GRANTS/DONATIONS						
150-5880-580501	GRANT EXPENDITURES (MISC)	0.00	0.00	2,903.37	(2,903.37)	100.00
Total Dept 5880 - USE OF GRANTS/DONATIONS		0.00	0.00	2,903.37	(2,903.37)	100.00
Dept 5900 - OTHER FINANCING USES						
150-5900-592500	TRANSFER TO DESIGNATED FUNDS	30,000.00	30,000.00	0.00	30,000.00	0.00
Total Dept 5900 - OTHER FINANCING USES		30,000.00	30,000.00	0.00	30,000.00	0.00
TOTAL EXPENDITURES		1,803,378.00	1,803,378.00	481,835.84	1,321,542.16	26.72
Fund 150 - FIRE/AMBULANCE FUND:						
TOTAL REVENUES		1,803,378.00	1,803,378.00	646,988.39	1,156,389.61	35.88
TOTAL EXPENDITURES		1,803,378.00	1,803,378.00	481,835.84	1,321,542.16	26.72
NET OF REVENUES & EXPENDITURES		0.00	0.00	165,152.55	(165,152.55)	100.00

		MUKWONAGO FIRE DEPARTMENT OPERATING PROCEDURES	
Non-Hazardous Duty and Lactation after Return to Active Duty		Approved by: Chief Jeffrey R. Stien	
POL #38	Draft Date: 09-25-12	Revision Date: 05-06-2024	Effective Date:12/10/12

PURPOSE: The purpose of this policy/procedure is to provide a written policy that clearly communicates the procedures that a firefighter must follow in the event of a pregnancy. The Mukwonago Fire Department supports and upholds federal, state and local laws and standards designed to protect the legal rights of all employees.

SCOPE: This policy/procedure is to be followed by all officers and members of this department. Authority to deviate from this policy/procedure rests with the Fire Chief or designee.

The Mukwonago Fire Department recognizes reproduction, pregnancy, and lactation as a natural occurrence of life that does not warrant classification as an illness or injury. Those affected are recognized as part of a protected class as it directly relates to their familial status.

Firefighting and emergency medical services present many potential hazards to healthy reproduction, pregnancy and lactation that include but are not limited to, drastic temperature variations, extreme and unpredictable physical demands, violent situations, psychological stress, biological hazards, radiation, and chemical agents.

These concerns can be significantly reduced by reasonable accommodation in the workplace.

Reproductive Health:

Hazardous exposures and stress can adversely affect reproductive health in both women and men. Specifically, existing research suggests high heat exposure is related to infertility in men and may be linked to neural defects in the babies of exposed

mothers. Both men and women are vulnerable to reproductive toxicity in the firefighting environment. Increased levels of the hormone cortisol, which is released in response to stress, negatively affects the normal biochemical function of the reproductive system.

Any active-duty member of the Mukwonago Fire Department may request a Non-Hazardous Duty assignment if specifically requested for the purpose of lower risk conception. The assignment may not exceed thirty (30) consecutive calendar days per year.

Pregnancy:

Hazardous exposures and volatile environments during pregnancy can adversely affect both the mother and the fetus. Any active-duty member of the Mukwonago Fire Department may request a Non-Hazardous Duty assignment for the duration of pregnancy, beginning when the member and their physician agree is appropriate until the end of the pregnancy.

Lactation:

Hazardous exposures and stress can negatively affect lactation. Any member may request a Non-Hazardous Duty assignment for the purpose of lactation. A Non-Hazardous Duty request shall follow the procedure outlined in this document along with APM 2-50: Lactation Policy for Breastfeeding Employees and Visitors. The Chief or designee shall make a reasonable effort to accommodate. When breast feeding/lactation is ended the member will return to previously held position.

Recommendation:

Based on current available research, Fair Labor Standards Act (FLSA) standards, and a review of best practices in the industry the following is recommended:

Any member of the fire department may request a Non-Hazardous Duty assignment for the purpose of healthy reproduction, pregnancy and/or lactation. No member shall be forced to leave an active-duty position by their department if the member's physician determines that the member is still able to work in an active-duty role.

Each request for Non-Hazardous Duty assignments will be accompanied by a Medical Status Report completed by the member's personal physician. The Chief or designee

will arrange for a Non-Hazardous Duty assignment based on the recommendations of the member's physician.

Members agree to work on Non-Hazardous Duty on a 40-hour work week schedule. During the Non-Hazardous Duty assignment, the following criteria will be followed:

- All wages, benefits, and seniority will remain the same and continue to accrue.
- Vacation and sick leave hours will be accrued and spent at the same rate as an active-duty position.
- The 40-hour work week will consist of four-10-hour days or five-8 hour days.

The member can request reinstatement of active duty at any time. The request must be accompanied by a Medical Status Report completed by their personal physician indicating the individual is medically cleared to be returned to active duty. The Chief or designee shall reinstate the employee into the rank held prior to Non-Hazardous Duty assignment on an agreed upon date.

Lactation after Return to Active Duty

The Mukwonago Fire Department recognizes that working parents are a vital part of the workforce. It will be the policy of the Mukwonago Fire Department to support employees who choose to breast feed their infants by enabling them to express and collect their milk during work hours. Breast feeding or lactation can continue if the member deems appropriate.

Based on current available research, Fair Labor Standards Act (FLSA) standards, and a review of best practices in the industry, the following is recommended:

The MFD will have identified spaces designated as "comfort rooms." These areas will provide a secure and private area for employees to take respite and express breast milk and will include the following features:

1. A room secured with a lock (excluding a restroom) that includes an outlet and comfortable chair.
2. A refrigerator with a lock and thermometer, specifically designated for breast milk.
3. A sink and a place to air dry equipment that is not openly accessible to others. (Sinks should be in comfort rooms whenever feasible).

4. Additional facilities available to lactating mothers can be found on the Breastfeeding Coalition of South-Central Wisconsin website:
<http://bcscw.wildapricot.org/Pumping-Friendly-Sites>

According to the FLSA, employers are required to provide a reasonable amount of break time to express milk as frequently as needed by the nursing mother. It's the nursing employee's responsibility to notify the on-duty officer/supervisor in advance of their need for regular breaks. When a member is assigned to consecutive or lengthy calls, the officers/OIC will make every effort to provide time and the environment for the purpose of expressing milk.

Any member may request a temporary station and/or rig reassignment if specifically requested for lactation, and for the duration of lactation. MFD Administration will make a reasonable effort to accommodate the request.

Recognizing the unpredictable nature of the active-duty schedule, members and their officers may use any or all of the following strategies to accommodate breaks to express milk:

- The unit may request out of service status
- Fire units may respond Mode 3
- The unit may inform the 9-1-1 Center/OIC of a delayed response.
- The position held by the lactating mother may be temporarily covered with available personnel.

08/10/2023

Village of Mukwonago
440 Rivercrest Ct.
Mukwonago, WI 53143
Re: Account [REDACTED]

To whom it may concern,

I am hoping you can help me. On 07.03.22, I experienced a stroke-like episode and The Village of Mukwonago Ambulance team was called. Due to my critical medical status, I was taken to Aurora West Allis Medical Center for extensive treatment.

In addition to my own medical needs, my mother underwent a Liver transplant. Therefore, I was overrun with medical bills and did my best. In October, following consecutive bills received, I called with my insurance information. Honestly, I didn't recall the event enough to realize that The Village of Mukwonago did not have my insurance coverage on file. The team was great and I know we had a discussion of medical coverage to, since I was taken to AWAMC. The receptionist reassured me that I was "good-to-go" and she would submit the claim. Leaving me with no worry.

When I received a \$0 balance from Anthem Blue Cross Blue Shield, I was not concerned until I received another bill from The Village asking for full payment. I called The Village again and the receptionist was very kind and offered to resubmit the claim. She further stated that I may get another bill due to the billing cycle, that the timing may be off and not to worry. I received not one invoice but two, so this time I called Anthem. Anthem stated, they were unsure why and they would resubmit the claim. To follow, after further confusion, Anthem did engage a 3-way phone conversation, without resolution.

Anthem continues to deny coverage after two unsuccessful and time-consuming Grievance claims. They state there was a 90-day filing timeline and the claim should be covered by the provider, who cascades the responsibility to me. I consulted Anthem, asking how I was supposed to know that the filing time was dramatically different than all other providers, of 180 days? They shared with me that there was no way of me knowing, and the responsibility falls on the provider.

After much time, confusion from all participants, and a bill that remains with a balance, I am kindly asking for consideration of an agreeable resolution. Please connect with me at your earliest convenience.

Thank you for your time,

Trina Niemiec
[REDACTED]

8/3/22 Noted
8/31/22
9/28/22
10/28/22 H&J-ins.

Billing info
10/28/22 per
EATX
past 90 days

Village of Mukwonago
440 Rivercrest Ct.
Mukwonago, WI

04.11.2024

Received
04/16/2024

Nov - PSC

To Whom it may concern,

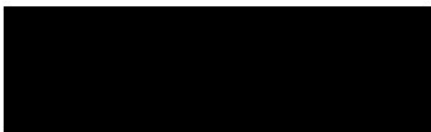
I am writing to raise a concern regarding payment for services provided on 07.03.2022 (Account #M [REDACTED]). After speaking with the Chief several months ago, it was requested that I send a follow letter providing additional information regarding my situation. On the date of service, I had a life-threatening event that warranted emergent medical transport services. Recovery extended for over six months, in addition to other family medical situations that required my support, such as a liver transplant for my mother.

To summarize, I called The Village of Mukwonago and provided my health care insurance in early October. The bills received in July, August, and September shared no requirement of needing to submit medical insurance within 90 days of the event. This is a significant variance in standard practice of 180 days. The billing office stated that I was compliant and sent my claim through. The insurance company denied the claim and resubmitted the claim two additional times, also unsure of why there was a problem. I then had to submit a grievance, followed by two appeals to the insurance company. The final decision was that the provider (The Village of Mukwonago) is liable for the charges, claim outside of filing window. The insurance company states that the provider is responsible for communicating the filing timeline, especially if it falls outside of the normal 180 days and they are 100% liable. This did not happen. The Village of Mukwonago turned this back on me and is requesting full payment.

Although unintentional, several misses were identified, therefore I don't agree that I should be solely responsible for the entire payment of \$2,637.50. My insurance benefits, that I pay handsomely for, I would have paid only \$250.00. A compromised bill, meeting in the middle at \$1,318.75 or less, would be more than reasonable. I would be happy pay the difference immediately, subtracting the portion I have paid to date of \$650.00.

Please contact me with next steps. I appreciate your time and attention to this matter.

Best regards,
Trina Niemiec



Chief Jeff Stien

From: Deena Wojtkowski <dwojtkowski@ebixinc.com>
Sent: Wednesday, April 17, 2024 3:46 PM
To: Chief Jeff Stien
Subject: RE: Message from KM_C258

**CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Hello Chief Stien,

The records we have are as listed in the outline below:

Date of Service 7/3/22 – Account MFD 16140

- 8/3/22 – Statement notice with memo requesting patient to call with insurance information.
- 8/31/22 – past due
- 9/28/22 – final notice
- 10/19/22 – patient called and left a message asking to add insurance to her account. Returned call and had to leave a message for the patient so she could call us back.
- 10/26/22 – account fell into pre-collection status
- 10/28/22 – Patient provided insurance information. For that reason, we changed her statement delinquency status from 4 back to a 1 so the statement cycle starts over. Billed BCBS
- 11/10/22 – BCBS denied claim for timely filing.
- 11/30/22 – Mailed timely filing appeal to insurance with proof of when insurance information was received from the patient.
- 12/27/22 – Appeal of claim denied by BCBS
- 12/28/22 - statement
- 1/25/22 – Past Due
- 2/22/23 – Final Notice
 - \$100 payment 3/17/23
- 2/28/23 - Received call from BCBS stating the reason the claim was denied is because they didn't receive the claim until 10/29/22 which was past the payors timely filing deadline.
- 3/9/23 – Printed demand statement and sent to the patient for \$2637.50. Pt filed a grievance with insurance. We reset the statement delinquency cycle status from 4 back to a 1 so the statement cycle starts over.
- 3/22/23 – statement
 - \$100 payment 4/12/23
- 4/19/23 – statement
- 5/17/23 – statement
 - \$50.00 payment 5/23/23
- 6/14/23 – statement
 - \$50.00 payment 6/23/23
- 7/12/23 - statement
 - \$50.00 payment 7/26/23
- 8/9/23 – statement
 - \$50.00 payment 8/16/23

- 8/17/23 - Spoke with Chief Stien, patient sent letter requesting history. We explained that we did not receive the insurance information on tie from the patient. We even appealed the untimely denial. Chief Stien stated he will respond to the patient.
- 9/6/23 – statement
 - \$50.00 payment 9/25/23
- 10/4/23 – statement
 - \$50.00 payment 11/10/23
- 11/1/23 – statement
- 11/29/23 – statement
 - \$50.00 payment 12/28/23
- 12/27/23 – statement
- 1/24/24 - statement
 - \$50.00 payment 3/8/24
- 2/21/24 – statement
 - \$50.00 payment 3/9/24
- 3/20/24 – Final Notice
 - \$50.00 payment 4/5/24
- 4/17/24 – statement

My suggestion would be that the patient again try to appeal to her insurance company to try and overturn their timely filing requirements. I understand she appealed previously, however, if she had responded to either of the first two statements, her insurance claim would have been submitted within the timely filing requirements of her insurance company. If she had extenuating circumstances as to why she did not submit the insurance information to us within her payor requirement deadlines, her insurance could ‘possibly’ make a onetime exception for good cause.

Please let me know if you need anything else.

Sincerely,
Deena

From: Chief Jeff Stien <chiefstien@mukwonagofire.org>
Sent: Wednesday, April 17, 2024 1:49 PM
To: Deena Wojtkowski <dwojtkowski@ebixinc.com>
Subject: FW: Message from KM_C258
Importance: High

Can you please provide me documentation and recommendation from our discussion on this individual?

Thank you

From: mukwonagofiredept@mukwonagofire.org <mukwonagofiredept@mukwonagofire.org>
Sent: Wednesday, April 17, 2024 1:29 PM
To: Chief Jeff Stien <chiefstien@mukwonagofire.org>
Subject: Message from KM_C258

RESOLUTION 2024-30

Village of Mukwonago Order Granting a Conditional Use and Prescribing Conditions for a new Senior Care Facility on Parcel MUKV1962996009, Mukwonago, WI

WHEREAS, AZURA LIVING, LLC (hereinafter "property owner") owns the property identified MUKV1962996009, (hereinafter "subject property") in the Village of Mukwonago, more particularly described as follows:

LOT 2 CSM #11714 VOL 117/275 REC AS DOC #4340958 PT SW1/4 NW1/4 SEC 23 T5N R18E

WHEREAS, the property owner has, consistent with the Village of Mukwonago's zoning regulations, submitted a conditional use application for a new Senior Care Facility per Section 100-251, and

WHEREAS, upon receipt of the petition submitted by the property owner and future purchaser, the Village Clerk properly referred such petition to the Plan Commission; and

WHEREAS, allowing for required public notice, the Plan Commission conducted a public hearing on May 14, 2024, to consider the petitioner's request; and

WHEREAS, members of the public in attendance were given ample opportunity to provide comment regarding the petitioner's request; and

WHEREAS, the Plan Commission passed a motion recommending to the Village Board that the conditional use be approved subject to certain conditions; and

WHEREAS, the Plan Commission, in passing on the matter, has made the following determinations consistent with Section 100-354 of Mukwonago's zoning regulations:

1. The establishment, maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety or welfare of the Village.
2. The uses, values and enjoyment of other property in the surrounding neighborhood that are already permitted shall be, in no foreseeable manner, substantially impaired or diminished by the establishment, maintenance or operation of the conditional use.
3. The establishment of the conditional use will not impede the normal and ordinary development and improvement of the surrounding property for uses permitted within the district and/or which are consistent with the standards in the Comprehensive Plan.
4. Adequate utilities, access roads, drainage and other necessary site improvements have been or are being made to accommodate the use.
5. Adequate measures have been taken or will be taken providing ingress and egress to minimize traffic congestion on public streets so as not to diminish the level of service of any intersection which is impacted by traffic arising from the conditional use.

In addition, the property owner has shown compliance with the requirements set forth in the Village's zoning regulations for the specified use.

Return to:

Diana Dykstra, Clerk-Treasurer
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

Parcel Number: MUKV 1962996009

WHEREAS, the Village Board has carefully reviewed the recommendation of the Plan Commission and concurs with the Plan Commission's findings set forth above, provided the conditional use is operated pursuant to the conditions of approval set forth in this order.

NOW THEREFORE, IT IS HEREBY DETERMINED AND ORDERED AS FOLLOWS:

1. **Authorized uses.** Subject to the terms and conditions of this approval and the sections of the zoning code that apply, the property owner is authorized to construct a Senior Care Facility.
2. **Issuance of permit required.** The zoning administrator is authorized to issue the property owner a conditional use permit when all conditions enumerated in section 3 have been satisfied to his or her satisfaction. Such permit is the last approval before the property owner/tenant can begin to establish the use as authorized herein.
3. **Initial conditions of approval.** The following conditions shall be satisfied prior to the issuance of the conditional use permit:
 - a. The property owner must submit site/architectural plans to the Village for review and obtain approval of the same within 9 months of the date of this decision.
 - b. The property owner must accept the terms and conditions of this conditional use order in its entirety in writing within 6 months of the date of this decision. Prior to such expiration, the property owner may request an extension to this time period and the Village Clerk may approve an extension with good cause.
 - c. This order must be recorded against the subject property in the Waukesha County register of deeds office (only if subsections 3(a) through 3(b) have been satisfied).

In the event the requirements enumerated in subsections 3(a) and 3(b) above are not satisfied, this order shall automatically be null and void without any further action by the Village of Mukwonago on the aforementioned date.

4. **Ongoing conditions of approval.** The following conditions shall constitute an ongoing obligation:
 - a. Any modifications to the site, buildings, site improvements shall require the conditional use application being updated.
5. **Expansion or changes.** The conditional use hereby authorized shall be confined to the subject property without extension or expansion. Any expansion or change in use shall require issuance of a new conditional use approval pursuant to the requirements in effect at the time of application.
6. **Modification of property boundary lines.** The property owner shall not change the size and/or shape of the subject property by any means without the approval of the Village Board. If the Village Board determines that a proposed change is substantial with regard to the overall size of the parcel and/or configuration, such change shall require issuance of a new conditional use approval pursuant to the requirements in effect at the time of application.
7. **Plans and related matters.** Unless otherwise expressly stated herein, plans that are specifically required by this conditional use order may be amended upon the prior approval of the Plan Commission if the Plan Commission finds the amendment to be minor and consistent with the conditional use order and permit. Any change in any plan that the Plan Commission feels, in its sole discretion to be substantial, shall require a new conditional use approval and all procedures in place at the time must be followed.
8. **Inspection.** The property owner shall allow Village of Mukwonago staff, officials, and other authorized agents to inspect the subject property, at any reasonable time and for any proper purpose related to compliance with this conditional use order.

9. **Discontinuance.** Should the conditional use be discontinued in use for 365 consecutive days the use shall be terminated as set forth in the Village of Mukwonago's zoning regulations.

10. **Private rights.** This approval is given under the Village of Mukwonago's zoning regulations and is not to be interpreted to abrogate any private rights other property owners may have pursuant to deed restrictions or restrictive covenants.

11. **Interpretation.** If any aspect of this conditional use order is in conflict with any other aspect of the conditional use order, the more restrictive provisions shall be controlling, as determined by the Plan Commission.

12. **Other permits.** This order shall not be deemed to constitute a building permit, or constitute any other license or permit required by Village ordinance, or other local, state, or federal law.

13. **Severability.** In the event a court of competent jurisdiction determines that a paragraph or phrase of this conditional use order is unlawful, illegal, or unconstitutional, said determination as to the particular phrase or paragraph shall not void the rest of the conditional use order and the remainder shall continue in full force and effect.

14. **Heirs, successors, and assigns.** This conditional use order shall be binding upon the property owner and their heirs, successors, and assigns. Upon a change in ownership, the property owner shall notify the Village Clerk.

15. **Ongoing review.** This conditional use may be reviewed by the Plan Commission with notice to the property owner at any time upon complaint or upon Plan Commission initiative. If it is determined that the authorized use is no longer compatible, or that the provisions of this approval have not been complied with, the Village Board may revoke or amend this order after recommendation by the Plan Commission and holding of a public hearing.

16. **Amendment.** The property owner may propose an amendment to this conditional use order at anytime by submitting a written petition to the Village Clerk, which shall be reviewed pursuant to the requirements in effect at the time of application.

17. **Violation.** Any violation of this order may be treated as a violation of Mukwonago's zoning regulations and each day of each violation of each condition herein shall be treated as a separate violation.

18. **Acceptance.** GRANTEES hereby accept the said Conditional Use Grant and covenant strictly to comply with all the terms and conditions thereof. GRANTEES acknowledge that, in accordance with the provisions of the Zoning Code, failure to comply with any conditions of the Conditional Use Grant is cause for the termination of said Grant by the Village. GRANTEES also acknowledge that approval of the Conditional Use Grant allows the appropriate Village officials to conduct reasonable and routine inspections of the property. This Covenant shall run with the land and shall be binding on the GRANTEES and all persons claiming any estate or interest in the Premises by, through or under the GRANTEES, as long as the said Premises are used as described in the Conditional Use Grant

Approved this 15th day of May, 2024.

BY THE VILLAGE BOARD OF THE VILLAGE OF MUKWONAGO

Fred Winchowky, Village President

Attest:

Diana Dykstra, Village Clerk-Treasurer

STATE OF WISCONSIN, WAUKESHA/WALWORTH COUNTY

Personally came before me this ____ day of _____ 2024, the persons described above, Fred Winchowky, Village President, and Diana Dykstra, Village Clerk, to me known to be the persons who executed the foregoing instrument and to me known to be such Village President and Village Clerk of the Village of Mukwonago and acknowledged that they executed the foregoing instrument as such officers of said municipal corporation by its authority and pursuant to the authorization by the Village Board from their meeting on the ____ day of _____, 2024.

NOTARY PUBLIC

My Commission Expires:

The remainder of this page left intentionally blank.

Acceptance by Property Owner

I, _____ verify that I am an authorized agent for AZURA LIVING, LLC accepts the terms stated herein.

Dated this _____ day of _____, 2024

_____, agent

STATE OF WISCONSIN, WAUKESHA

Personally, came before me this _____ day of _____, 2024, the above-named person,
_____ to me known to be the person who executed the foregoing instrument and acknowledged
the same.

NOTARY PUBLIC

My Commission Expires:

Drafted by Peter Gesch, Contracted Village Planner at the direction of the Mukwonago Village Board.

PLAN COMMISSION STAFF REPORT

TO: Village of Mukwonago Plan Commission

FROM: Peter Gesch, P.E., Ruekert & Mielke, Inc.

REPORT DATE: May 4, 2024

MEETING DATE: May 14, 2024, 6:30 P.M.

SUBJECT: Azura Senior Living – Site Plan & Architectural Review and Conditional Use

BASIC INFORMATION	
Project:	Azura Senior Living
Applicant:	Matt Lyons - Azura
Consulting Engineer:	Pinnacle Engineering
Request:	Site Plan & Architectural Review & Conditional Use
Staff Recommendation:	Approve with Conditions

PARCEL DATA/CHARACTERISTICS	
Tax Key:	MUKV1962996009
Acreage:	6.37 Acres
Current Use:	Agricultural
Proposed Use:	Senior Care Facility
Reason for Request:	Development of new Senior Living Facility Campus
Land Use Classification:	Business
Zoning Classification:	B-3 – Community Business District

Project Summary & Overview

Azura, LLC is planning to construct a senior care and memory care facility campus on parcel MUKV1962996009 located on the south side of Chapman Farm Boulevard, west of STH 83. The campus will feature three separate “households” that have 24-units each as well as a central barn building and community gardens that are instrumental to their day-to-day operations.

The Village of Mukwonago Comprehensive Plan 2035 identified a need for senior housing and a goal to retain and attract locally owned business. Azura and this project fit within these goals of the comprehensive plan.

Additional information on Azura and the project can be found on the attached submittal documents.

Conditional Use Request

Attached to this staff report is the justification questions for a Conditional Use Permit that have been answered by the applicant. The Planning Commission shall take these into consideration when making their decisions.

Conditional Use Process / Findings

The established review procedures are that the Plan Commission shall hold a public hearing and make a recommendation to the Village Board whom makes the final decision.

Following the close of the public hearing, the Plan Commission may recommend (1) approval, (2) approval with conditions, or (3) denial.

If approval is recommended, the Plan Commission can recommend conditions deemed necessary to protect public health, safety, and welfare. The Plan Commission, in passing on the matter, will need to make the following determinations consistent with Section 100-354 of Mukwonago's Zoning Regulations:

1. The establishment, maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety or welfare of the Village.
2. The uses, values and enjoyment of other property in the surrounding neighborhood that are already permitted shall be, in no foreseeable manner, substantially impaired or diminished by the establishment, maintenance or operation of the conditional use.
3. The establishment of the conditional use will not impede the normal and ordinary development and improvement of the surrounding property for uses permitted within the district and/or which are consistent with the standards in the Comprehensive Plan.
4. Adequate utilities, access roads, drainage and other necessary site improvements have been or are being made to accommodate the use.
5. Adequate measures have been taken or will be taken providing ingress and egress to minimize traffic congestion on public streets so as not to diminish the level of service of any intersection which is impacted by traffic arising from the conditional use.

In addition, the property owner / tenant has shown compliance with the requirements set forth in the Village's zoning regulations for specified use.

The Village Board will carefully review the recommendation of the Plan Commission and concurs with the Plan Commission's findings set forth above, provided the conditional use is operated pursuant to the conditions of approval set forth in this order.

These findings are incorporated into the draft conditional use order which is attached.

The Plan Commission shall approve a conditional use application if the terms and conditions of the zoning regulations are met. However, in the event the terms and conditions of the ordinance are not consented to and complied with by the applicant, the Commission may deny the application. In addition, the Commission may deny the application or place conditions on it if substantial evidence, as defined in §62.23(7) Wis. Stats. is presented. That evidence must demonstrate the inability of the applicant to comply with or meet the conditions of the zoning regulations or that the conditions to be applied by the Plan Commission are necessary to protect the public health, safety or welfare of the community based upon the presentation of substantial evidence. Potential motion for approval to Recommend to the Village

Board approval of the project as a conditional use as set forth in the attached conditional use order as drafted, provided the Village Attorney approves the final form of the conditional use order.

Staff Review

Engineering:	Preliminary storm water review indicates that the applicant can meet the requirements of the Village Ordinance. An in-depth review is being finalized and comments will be provided to the applicant. No major site modifications will be necessary as part of the revisions.
Public Works	No comments at this time.
Utilities	Meeting was held with Fire Department, Utilities, Planning/Engineering to review utility connection requirements and on-site fire protection modifications. Utilities will review and provide final approval with updated and revised plans that are submitted. Do not construct structures within utility easement on west side of property – Utilities not responsible for repairing pavement within easement.
Police	No comments at this time.
Fire:	Same comments as Utilities and final location of FDC, Knox Boxes, and on-site hydrants will need to be coordinated with Fire Chief. Applicant shall coordinate final suppression and detection with Fire Chief.
Building Inspection	No Comments at this time. The buildings shall have exterior entrances to the sprinkler riser rooms that need to be shown on the final building plans.
Planning	Barn structure is being considered principal structure as it is instrumental to their principal operations as part of the overall campus. No other concerns at this time.

Adjoining Property Owner Comments

The Property Owner for Parcels MUKT1963997, MUKT1962992, and MUKT1962991, located in the Town of Mukwonago and abutting the subject property to the south and east, respectively, received the Public Hearing Notice via mail and inquired about future access to said parcels. The specific details of the inquiry are that the two parcels to the east would become landlocked if the Azura development is approved as proposed as there would be no possibility for new future access. Additionally, a concern was raised about access to the 21-acre parcel located to the south of the subject property and that the only access is off of STH 83 and another access should be provided to Chapman Farm Blvd.

Azura is not required to provide access to the aforementioned parcels as all parcels have frontage to existing roadways and the 21-acre parcel to the south has a dead-end cul-de-sac (Westlawn Ave) that could be extended on the western side. The aforementioned parcels are included in the Village's Comprehensive Plan, however, it is not practical to require Azura to provide access through their property to the surrounding parcels, since no commitment is being made for the redevelopment and annexation of

~Mukwonago, Village of > 12-10217 > Staff Report-20240504-Azura Senior Living-SPAR and Conditional Use~

Staff Report – SPAR & Conditional Use
Azura Senior Living
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these properties to the Village of Mukwonago. Subjecting the Azura development to this request would cause detriment to the proposed development which could result in the project no longer being feasible. Access to the aforementioned parcels can be provided with the land division and/or development of those parcels.

Recommended Action

Conditional Use Permit

Staff recommends the Planning Commission recommend to the Village Board approval of a conditional use permit as set forth in the provided resolution.

To – Grant a Conditional Use Permit for a Senior Care Facility with the following on-going conditions deemed necessary to protect the health, safety, and welfare:

1. Ongoing conditions of approval. The following conditions shall constitute an ongoing obligation:
 - a. Any modifications to the site, buildings, site improvements, shall require the conditional use application being updated.
2. The following conditions are also true and are consistent with Section 100-354 of Mukwonago's zoning regulations:
 - a. The establishment, maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety or welfare of the Village.
 - b. The uses, values and enjoyment of other property in the surrounding neighborhood that are already permitted shall be, in no foreseeable manner, substantially impaired or diminished by the establishment, maintenance or operation of the conditional use.
 - c. The establishment of the conditional use will not impede the normal and ordinary development and improvement of the surrounding property for uses permitted within the district and/or which are consistent with the standards in the Comprehensive Plan.
 - d. Adequate utilities, access roads, drainage and other necessary site improvements have been or are being made to accommodate the use.
 - e. Adequate measures have been taken or will be taken providing ingress and egress to minimize traffic congestion on public streets so as not to diminish the level of service of any intersection which is impacted by traffic arising from the conditional use.

Site Plan and Architectural Review

Staff Recommends the Planning Commission Approve a resolution for the Site Plan and Architectural Review, as set forth in the attached resolution.

Attachments

1. Application and Development Information
2. Plans and Site Drawings



Matthew Lyons
Director of Development
Azura, LLC
1233 N Mayfair Road, Suite 301
Milwaukee, Wisconsin 53226

April 2, 2024

Ms. Diana Dykstra
Village of Mukwonago
440 River Crest Ct
Mukwonago, Wisconsin 53149

Dear Ms. Dykstra:

Azura is pleased to submit our application for a conditional use permit and site plan approval for the Azura at Mukwonago Development. Azura is currently under contract to purchase the property located along the south side of Chapman Boulevard in Mukwonago and plans to develop a Memory Care and Assisted Living community consisting of a total of 72 resident rooms and up to 100 licensed beds.

Azura at Mukwonago will serve the significant existing need for memory care and assisted living within Mukwonago, as well as the surrounding communities. The project will be licensed as a Community Based Residential Facility ("CBRF") and will be a top Memory Care and Assisted Living Community within the state of Wisconsin. The building will include three separate households (each with 24 units) that create smaller household environments for our residents as well as common community amenities and generous outdoor living spaces including a barn and community gardens.

Azura is a premier provider of memory care services and programs throughout the state of Wisconsin. From homelike settings to transformational programming, our memory care and assisted living communities provide a safe and nurturing place for the elderly who need to some assistance with daily living as well as those with Alzheimer's disease and other forms of dementia. Recognized as Wisconsin's Dementia Care Experts, our team provides advanced education in dementia care through our proprietary MOSAIC training and engagement programming. In addition to the care provided within our homes, Azura strives to become an active member of the communities in which we are located. Azura hosts annual dementia conferences, support groups and Memory Cafés, and Azura provides education on Alzheimer's and the various forms of dementia.

We look forward to the opportunity to present Azura at Mukwonago to you, and the Plan Commission and we are excited to be a part of the Mukwonago community. Thank you in advance for your consideration of our development project.

Sincerely,

Matthew Lyons
Director of Development



AT

Mukwonago

Submittal for Conditional Use Permit,
and Site Plan Approval
Village of Mukwonago

About Azura

Azura was founded in 2009 with the mission to “transform the culture of care”. Since then, Azura has become a trusted provider of innovative memory care and assisted living services and programs. From household settings to transformational programming, our communities provide a safe and nurturing place for the aging and those with Alzheimer’s disease and dementia. Azura has a team of Quality-Of-Life specialists who have developed a holistic programming plan for each community. Our MOSAIC programming provides insight into the disease process, while teaching advanced dementia communication, approach and engagement techniques to stimulate and elevate the quality of life.

MISSION

TO TRANSFORM THE CULTURE OF CARE

CORE VALUES

We are **COMMITTED** to the care of our residents and team members

We **LOVE** what we do and who we do it with

We encourage **INNOVATION** and creativity

We treat our residents with the utmost **COMPASSION**

We treat everyone with **KINDNESS** dignity and respect

MOSAIC

MOSAIC is training and programming which ensures that our team provides not just high-quality care, but exceptional personalized engagements that result in magical MOSAIC Moments and radiant smiles.

MOSAIC DREAMS

What would be your best day be? It’s a simple question that we ask our residents at Azura Memory Care as part of our MOSAIC Dreams initiative. MOSAIC Dreams by Azura is a program that seeks to make the dreams and special personalized moments of joy for our residents come true.

“Just play Golf again”



“Graduate from College”

“Meet Vince Gill”



About Azura *(continued)*

Azura, headquartered in Milwaukee, currently operates 14 communities throughout the state of Wisconsin. All Azura communities have a focus on serving those with Alzheimer's and dementia (Memory Care) as well as those with the need for assistance in carrying out their daily living. Through the operation of these existing Memory Care and Assisted Living Communities, in addition to extensive research, Azura has developed a design concept that helps optimize the care we provide for those with Alzheimer's and dementia and a need for assisted living.

Recent developments include memory care and assisted living communities in Oconomowoc, Wisconsin (opened in June 2016), Oak Creek, Wisconsin (opened in August 2017), Eau Claire, Wisconsin (opened in May 2019) and Brookfield and Fox Point, Wisconsin (both opened in November 2020). Additionally, Azura is currently under construction on a new community in Verona, WI. All of these developments have utilized Azura's household design concept and have been extremely well received within the communities that they are located.

Additionally, Azura strives to be a partner within the communities where we are located. Azura provides events to help educate and inform the community about various aspects of Alzheimer's and dementia and Azura also facilitates support groups and other resources to assist family members who may be caring for aging loved ones, themselves.



Image from Azura Brookfield

Azura Locations

Azura currently operates 14 communities throughout the state of Wisconsin.

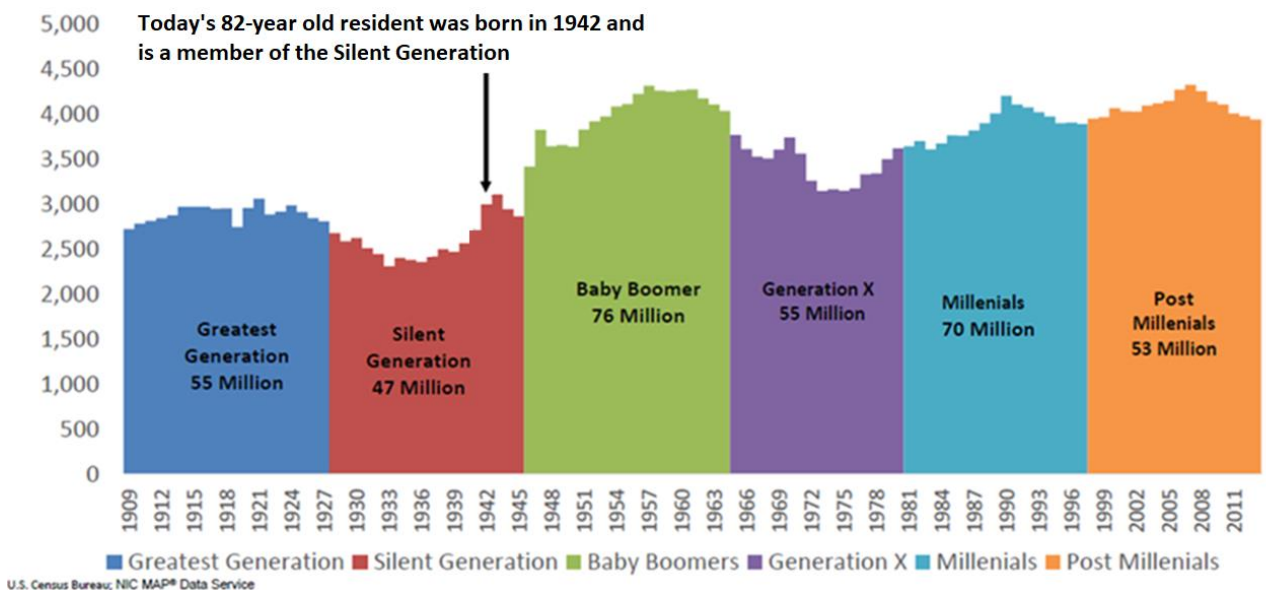


Demand for Assisted Living

Within the primary market area of the proposed Azura at Mukwonago development, the population over the age of 65 is 9,478 or 17.0% of the population and over the age of 75 is 2,953 or 5.3%. Additionally, based on the statistical prevalence of Alzheimer's and other forms of dementia, it is likely that as many as 1,200 people within this area are affected by some form of Alzheimer's or dementia.

Based on demographic trends, these populations are expected to grow dramatically. The average age of residents in memory care and assisted living is 82 years. The chart below shows the number of live births per year since 1909 and an arrow showing the birth year of current residents aged 82. This chart shows that there will be a paradigm shift in the Assisted Living Population within the next 5 years and that future populations will be sustained at a similar level indicating long term need for this product.

Number of Live Births (1909 to 2013, 000s)



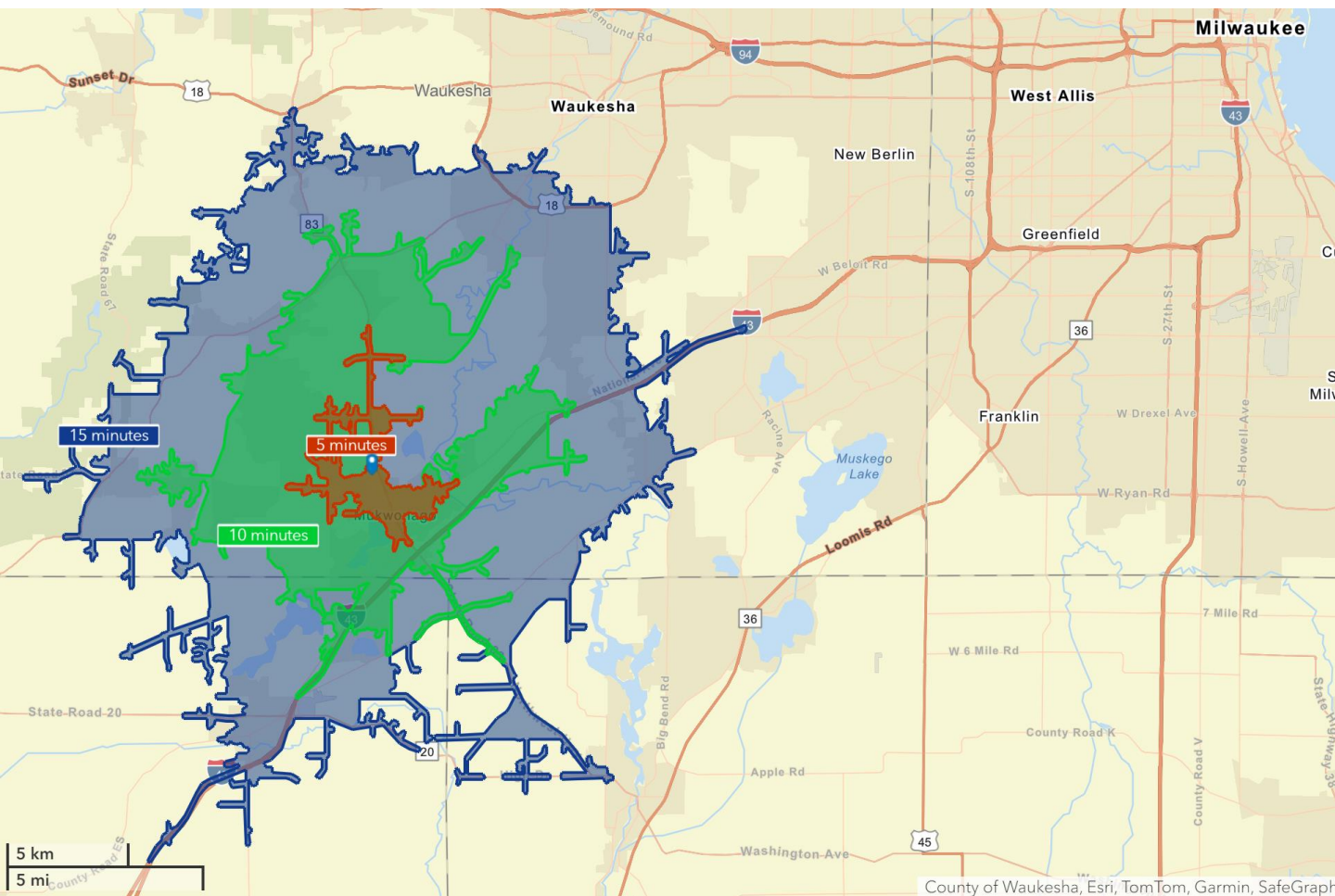
There are currently over 6.1 million Americans living with Alzheimer's. By 2050, there is projected to be 12.7 million people age 65+ with Alzheimer's dementia.

12.7 million people age 65 and older are projected to have Alzheimer's dementia by 2050.

55% of primary care physicians caring for people living with Alzheimer's report there are not enough dementia care specialists in their communities to meet patient demands.

Market for Assisted Living

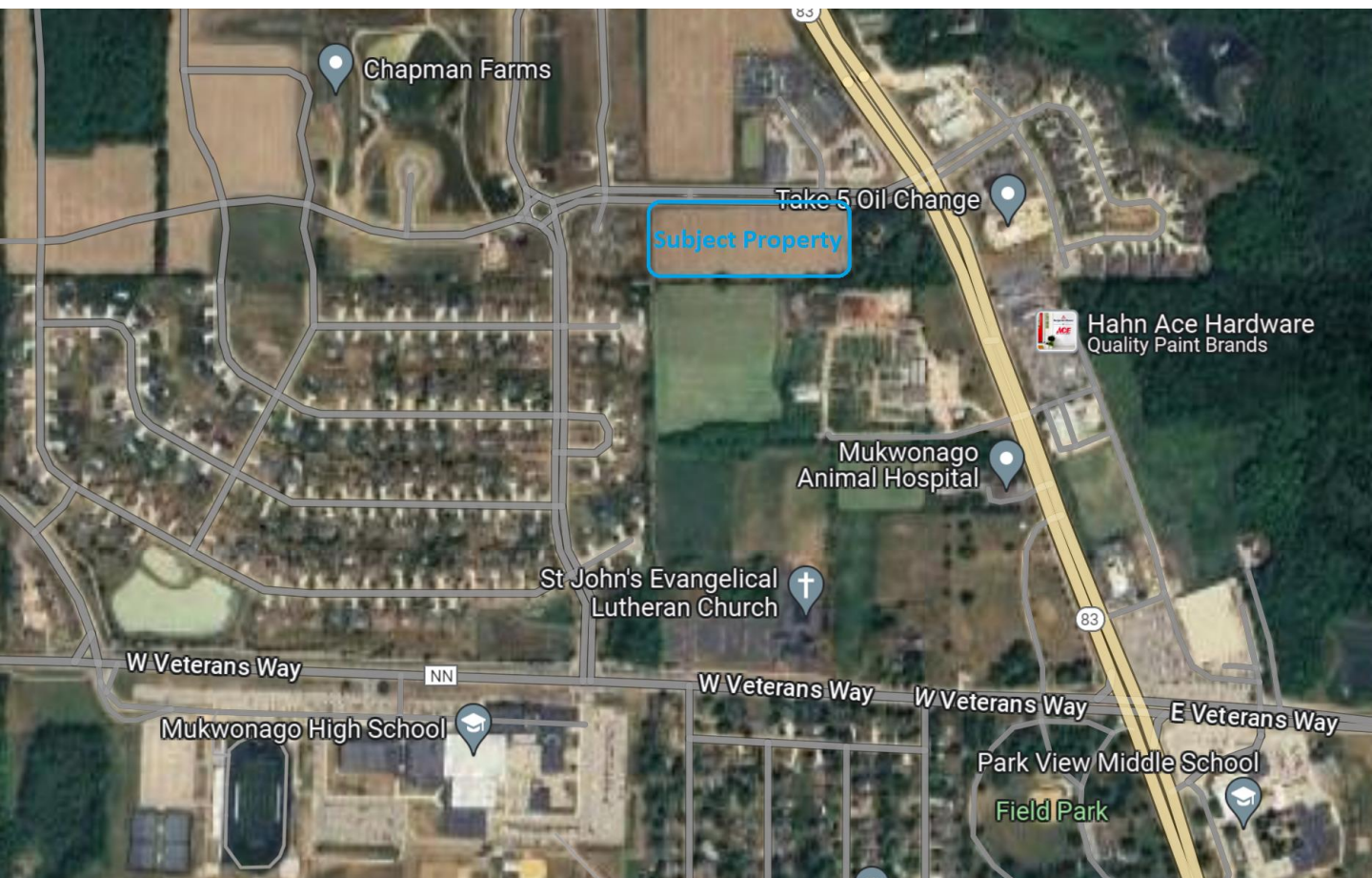
Within the Primary Market Area (15-minute drive) of the proposed Azura at Mukwonago development, there are currently only 105 licensed assisted living beds and 52 licensed Memory Care beds. The average age of the existing supply is over 16 years old.



Azura at Mukwonago

Azura is under contract to purchase 6.37 acre parcel of land located along the south side of Chapman Boulevard in Mukwonago. The parcel currently consists of vacant land with primarily flat topography. Azura plans to develop a memory care and assisted living community on this site that would contain 72 total units (24 Memory Care and 48 Assisted Living) that would help to serve the unmet demand within this market.

The subject property is located west of Highway 83 on the south side of Chapman Farm Boulevard. To the north of the property is Kids Connection and Aurora Urgent Care with additional retail uses to the east and southeast. To the west of the property are townhomes which transition into the Bielinski Homes at Chapman Farms residential neighborhood.



Azura at Mukwonago

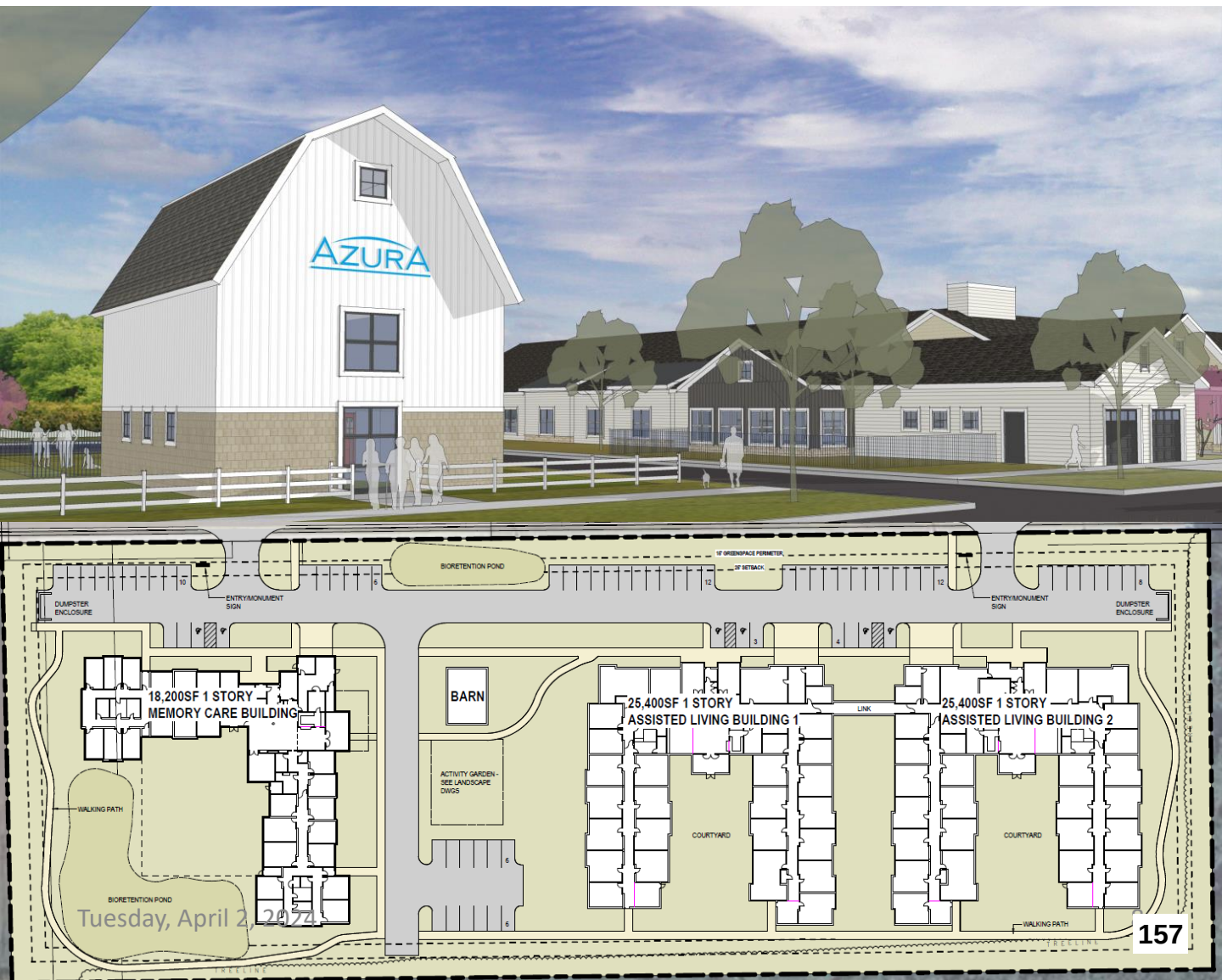
Barn, Community Gardens, and Walking Paths

Azura's site plan includes a barn accessory building that will be a focal point of the project. The barn is planned to be utilized for storage and accessory use to the surrounding gardens. The barn will be approximately 1,200 square feet and is proposed to be 35' high. Additionally, the barn will include an Azura logo facing Chapman Farm Boulevard.

Adjacent to the barn will be a large activity garden that will include raised planter beds, shade trees, and outdoor seating. This area will be utilized for horticulture therapy as well as a supplement to Azura's dining with the use of seasonal herbs and vegetables.

The site will include nearly 1/3 mile of walking paths that surround the entire site.

Other site amenities include generous courtyards at each building including various amenities including raised garden beds, putting greens, bocce ball courts and ample outdoor seating.



Azura at Mukwonago

Memory Care

Azura at Mukwonago will include one memory care household consisting of 24 units and 28 beds. The memory care building will consist of 18,200 square feet and will be licensed as a Community Based Residential Facility.

The Memory Care Building will include kitchen, dining, and living areas typical in a residential home and 24 units.



Image from Azura Brookfield

Azura at Mukwonago

Memory Care – Floor Plan



Azura at Mukwonago

Assisted Living

Azura at Mukwonago will include two Assisted Living Households consisting of 48 total units and up to 72 licensed beds. The assisted living building will consist of two 25,400 square foot buildings that are connected by a hallway that allows team members and residents to access both homes.

The Assisted Living Buildings will each include a kitchen, dining, and living areas typical in a residential home and 24 units.



Image from Azura Brookfield

Azura at Mukwonago

Assisted Living – Floor Plan



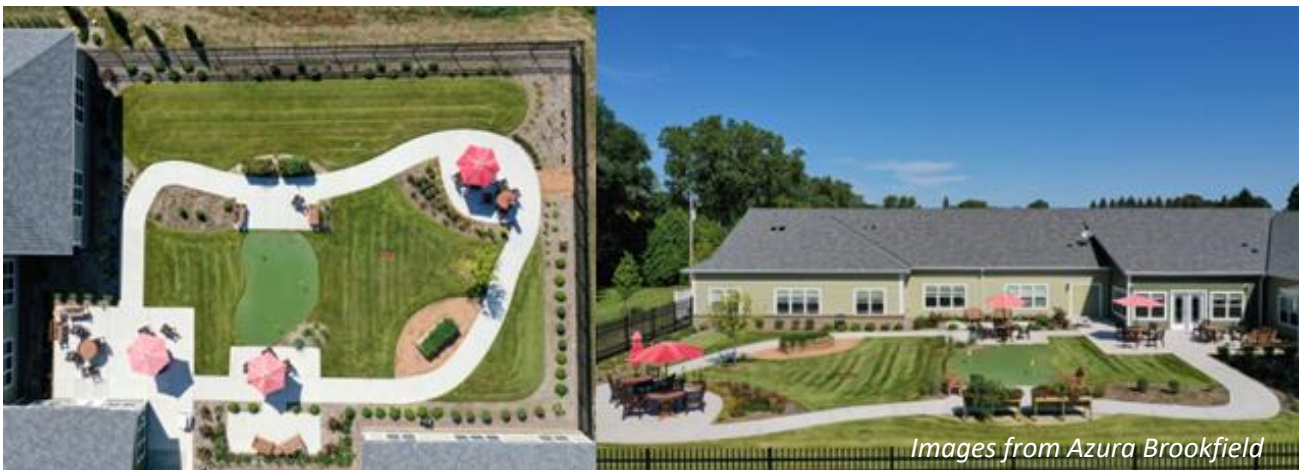
Azura at Mukwonago

Azura at Mukwonago will be the latest iteration of the Azura Household Model. Each household has 24 units which is based on the ideal balance of small residential environments along with optimal staffing ratios. Our homes have a residential design with spaces that you would find at home blended with adaptations and technology to provide the optimal environment to support our residents. In addition, our homes incorporate outdoor living spaces that include raised gardens, patio, grilling areas and much more.



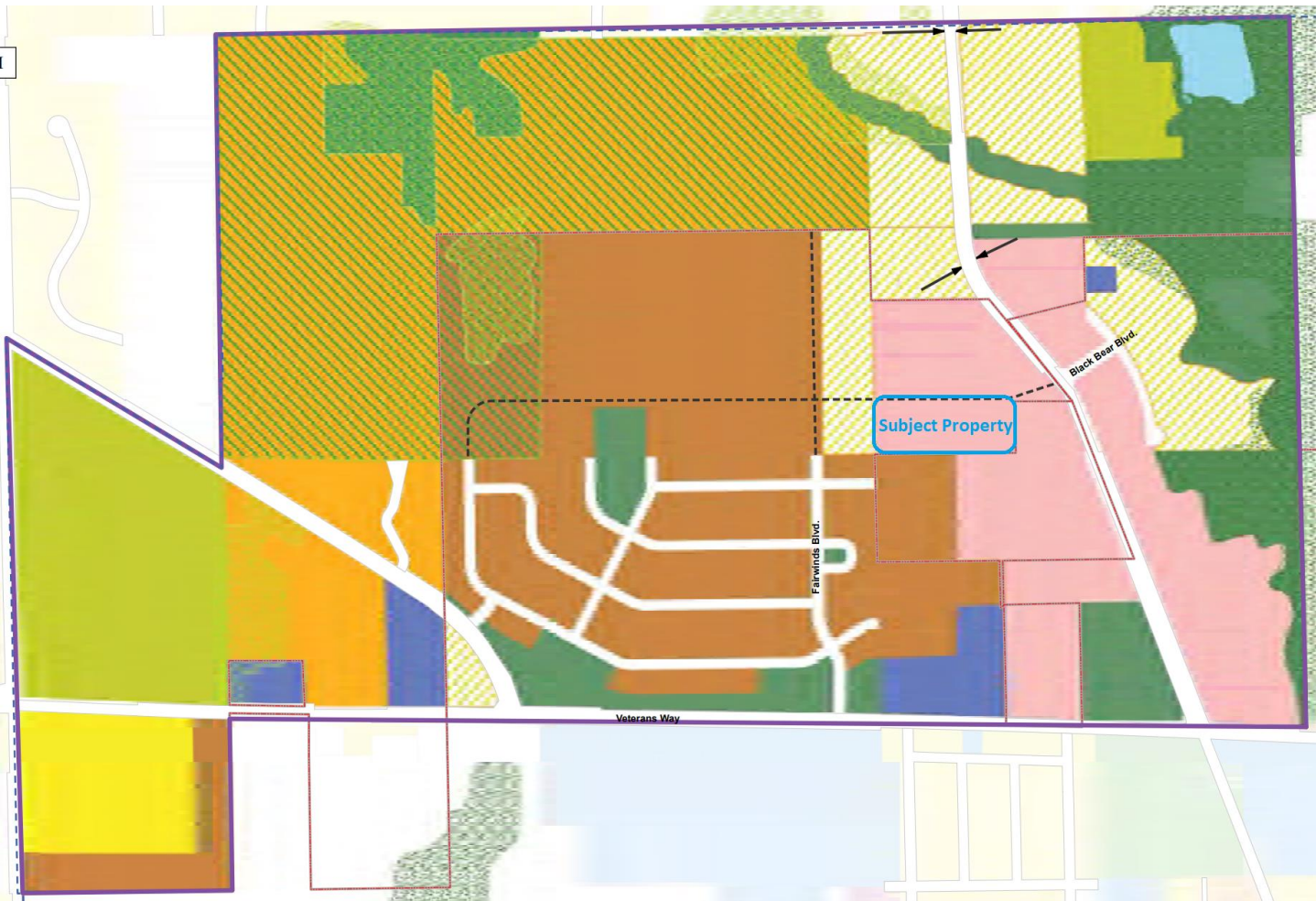
Azura at Mukwonago Attributes:

- Two 24-Unit Assisted Living Households; 48 units (up to 72 beds) licensed as CBRF
- One 24-Unit Memory Care Household; 24 units (up to 28 beds) licensed as CBRF
- Outdoor living areas and amenities (patio seating, walking paths, putting greens, raised garden beds)
- Accessory Barn Structure along with community gardens and outdoor activity area as well as walking paths surrounding the entire property.



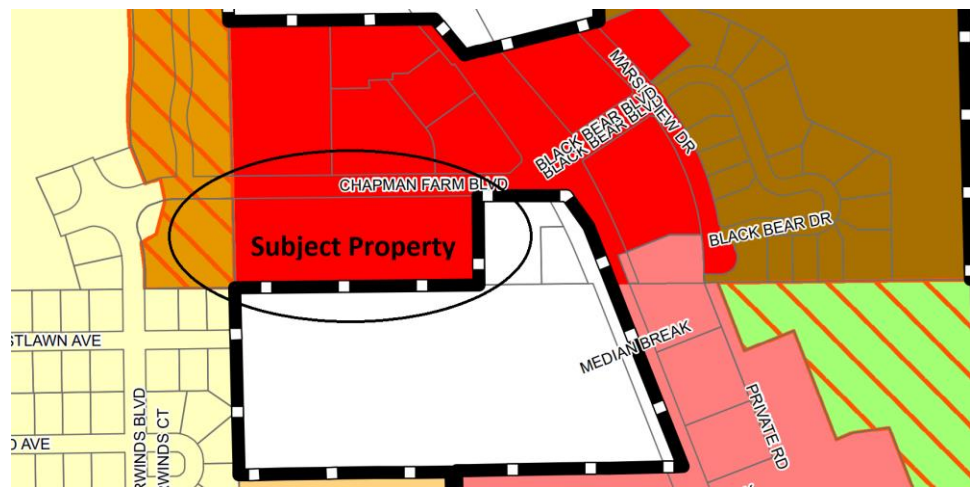
Comprehensive Plan

The Village of Mukwonago Comprehensive Plan 2035 identified the need for senior housing and a goal to retain and attract locally owned business. Azura at Mukwonago meets these goals of the Village comprehensive plan.



The planned development will serve a growing segment of the Mukwonago population. It is currently projected that 14.7% of the population within the market area is over the age of 65, and this population is expected to grow 21% by 2028.

Zoning



The subject parcel is currently zoned B3 – Community Business District. The B3 Zone allows for Senior Care Facility as a Conditional Use.

Azura’s proposed project will have 48 units of Assisted Living (licensed as CBRF) and will also includes 24 units of Memory Care (licensed as CBRF) which falls under the Senior Care Facility definition and is allowed as a Conditional Use within the Village Zoning Code.

Azura is requesting a Conditional Use Permit within the B3 Zoning District as well as Site Plan Approval to allow for the proposed Senior Care Facility. In addition, Azura is requesting a variance to allow for a 35’ tall barn structure on the site.

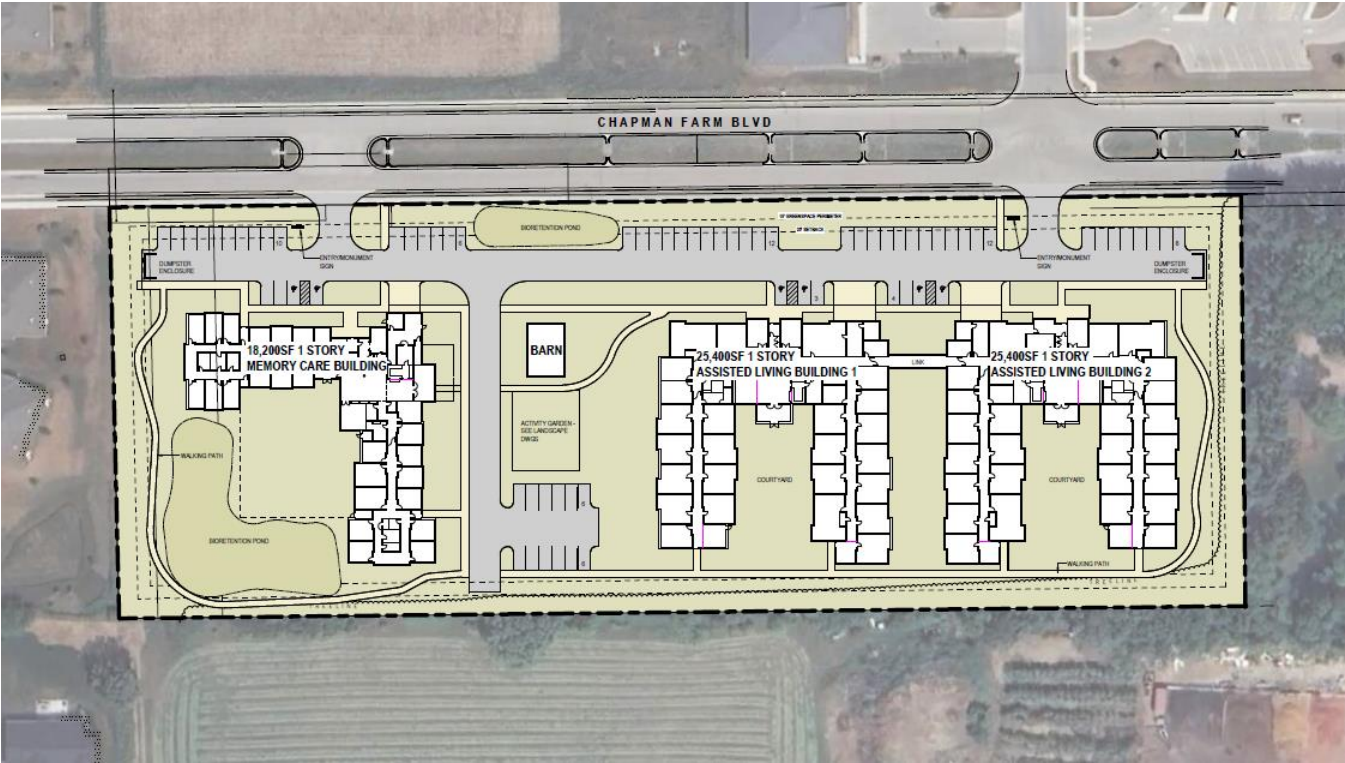
§ 100-157 Permitted and conditional uses of business districts.						
Use	B-1	BFD-1/2	B-2	B-3	B-4	B-5
Family foster home						
Group home or group foster home						
Small foster home						
Shelter Care Facilities						
Community living arrangement						
Family shelter care facility						
Large group shelter care facility						
Senior care facility				C		

Site Plan

The proposed site plan meets or exceeds the requirements under the proposed B3 Zoning Code.

However, Azura is requesting a variance to allow the proposed barn height to be 35 feet.

Bulk and Dimensional Standards		
Standard	Zone B3	Azura Planned
Lot Standards (Minimum)		
Lot Area	40,000 sf	279,100 SF
Lot Width	150 ft	875 ft
Setbacks (Minimum)		
Green Space Perimeter	15 ft	>= 15 ft
Building Set Backs		
Street Yard	25 ft	>83 ft
Interior Side Yard	25 ft	>50 ft
Rear Yard	25 ft	>35 ft
Building Standards		
Building Coverage (Principal Buildings Only) - <i>Maximum % of Total Lot Size</i>	35%	25%
Lot Coverage (all buildings and impervious surfaces) - <i>Maximum % of Total Lot Size</i>	75%	44%
Building Height, Principal Building	2 stories, 35 ft	1 story, 28 ft
Building Height, Accessory Building	20 ft	35 ft



Parking

Azura’s operation requires parking at a ratio of 1 stall per 3 resident rooms for memory care and 1 stall per 2 resident rooms for Assisted Living. Azura’s requirements are greater than the Mukwonago Requirements of 1 per 3 residents for Senior Assisted Living. With 24 resident rooms of memory care and 48 resident rooms of assisted living at Azura at Mukwonago, Azura’s parking requirement will be 32 stalls. As Azura’s residents do not typically drive, these stalls will primarily be used by residents’ visitors.

The peak shift of employees at Azura at Mukwonago is expected to be 25 employees. An employee parking ratio of 1 stall per 1 employee would require 25 parking stalls. Azura’s requirement of 1 stall per employee on peak shift is equal to the Mukwonago requirement of 1 stall per employee for Community Living and Senior Living.

The total calculated parking need for the development is projected to be 57 parking stalls.

Actual planned parking for the development is 71 total surface parking stalls including 65 standard stalls and 6 handicap stalls.

Traffic

A traffic analysis of a similarly sized Azura development (80 total units) was completed previously by Traffic Analysis & Design, Inc. (TADI). The purpose of this analysis was to determine the traffic impact of the proposed development. Expected trips were analyzed for both AM Peak and PM Peak hours.

The proposed development was expected to generate 15 new trips (10 in / 5 out) during a typical weekday AM peak hour and 20 new trips (10 in / 10 out) during typical weekday PM peak hour.

Table 2. Azura Living Trip Generation Table – Scenario Two

Land Use	ITE Code	Proposed Size	Weekday Daily	AM Peak			PM Peak		
				In	Out	Total	In	Out	Total
Assisted Living	254	48 Beds	130 (2.66)	5 (65%)	0 (35%)	5 (0.14)	5 (44%)	5 (56%)	10 (0.22)
Nursing Home	620	48 Beds	130 (2.74)	5 (65%)	5 (35%)	10 (0.17)	5 (33%)	5 (67%)	10 (0.22)
Total New Trips			260	10	5	15	10	10	20

Azura’s total traffic impact of 15 cars at the AM Peak and 20 cars at the PM peak is substantially less than what would be anticipated from a commercial use at this site location. This will likely be a favorable impact in relation to the other surrounding uses.

Awards

- Azura was honored with awards from Argentum and Milwaukee Business Journal (among others) for recent development projects in Brookfield and Fox Point, Wisconsin.
- Each of Azura's 14 locations have been awarded the Best of Senior Living Award and Azura homes have received the award a total of 87 times since 2017.
- Azura has been certified as a Great Place to Work every year since __



Azura Team



Azura strives to hire and retain the finest people. Azura anticipates hiring over 80 new team members at Azura at Mukwonago.

Azura has strict internal processes to ensure that we hire the finest team members who will align with our mission to transform the culture of care. As a part of these processes, all employees undergo state and federal background checks as well as an extensive interview process.

Once hired, Azura team members receive over 110 hours of training within their first year including our proprietary MOSAIC training which ensures every team member has an enhanced understanding of memory loss and recognizes how to properly communicate and engage those within our family of care.



Andrew S.



"I was introduced to Azura by a friend when my mom needed additional care and support. The facility was immaculate and the staff were really friendly. We're so happy that we chose Azura, which was a great fit for my mom."

Annette V.



"We toured Azura Brookfield and it was impressive. Great staff and the amenities felt homely! We really enjoyed the activity schedule, and the homes were very clean and spacious. All of the residents seemed to be in high spirits!"

Mallory G.



"I was very surprised to see what a smooth transition my grandma had into a memory care. The Azura staff went above and beyond to add personal touches to her room, and really make it feel like home for her."

Renee V.



"I visited this facility and was amazed at how far care homes have come! Everyone was so friendly and it felt like living at an upscale hotel. The residents seemed as engaged as they wanted to be and I observed the caretakers interacting like family!"

AZURA®

MEMORY CARE • ASSISTED LIVING

Voted a Best of Senior Living community 8 years in a row!



Sharon T.



"The Azura team's compassion towards their residents is what really sticks out the most about this facility. All of the rooms here are private rooms. I would absolutely recommend Azura Memory Care to others."

Kim L.



"Azura has been our safe harbor in this stormy world of dementia. After trying to manage the care of my parent with dementia on my own for the last three years, it became apparent that we needed more help. The Azura team was there when we needed it the most."

Jill R.



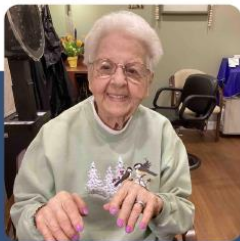
"The Azura community is beautiful with a comfortable and intuitive layout for Memory Care. The leadership is dedicated to ensuring that the residents wellbeing and highest level of independence is the number one priority."

**Great
Place
To
Work®**

Certified

MAR 2022-MAR 2023

USA



Contact Information

Azura, LLC

Matthew Lyons, Director of Development

1233 N Mayfair Road, Suite 301

Milwaukee, Wisconsin 53226

Matt@AzuraLiving.com

Village of Mukwonago
440 River Crest Ct
Mukwonago, WI 53149
Phone: (262) 363-6420
Fax: (262) 363-6425
www.villageofmukwonago.com

VILLAGE OF MUKWONAGO
SITE PLAN, ARCHITECTURAL, AND PLANNED
UNIT DEVELOPMENT (PUD) APPLICATION
Application Fee: Below

Date Submitted: 04.02.2024

FEES

(Please check one)

☐ Major Site Plan; New Building/Addition	\$475.00 plus \$.02 per Sq. Ft. of Building Area	_____
☐ Minor Site Plan (No Building)	\$160.00	_____
☐ Planned Unit Development Review	\$225.00 plus \$50.00/Unit	_____
☐ Other (See Current Fee Schedule)		_____

Zoning and Planning Department
Contact: Planner
Phone: (262) 363-6420 ex 2111
Fax: (262) 363-6425
Email: planner@villageofmukwonago.com

GUIDELINES

The undersigned petition is to consider a request, as stated herein, for the specified parcel(s) of land and will be reviewed by the Plan Commission and Village Board of the Village of Mukwonago. The application packet must be filed with the Village Clerk **at least 30 days prior to the meeting** of the Planning Commission at which action is desired. The Plan Commission meets on the second Tuesday of each month at 6:30 p.m.

Materials listed below must be provided to the Village of Mukwonago in accordance with Village Municipal Code Chapter 100 Article IX. Section 100-601(f) and other pertinent sections of Village ordinances, and, as necessary, to permit review that is consistent with proper planning practice. The Village will strive to accommodate reasonable requests for informal preliminary staff review, however the Village shall not place any items on the agenda for Plan Commission consideration until such time as the application is complete in accordance with all requirements specified on this and other attached application forms.

Mail completed applications to: Village Planner
440 River Crest Ct
Mukwonago, WI 53149
Deliver to: Village Clerk's Office
440 River Crest Ct
Email to: planner@villageofmukwonago.com

Complete, accurate and specific information must be entered. Please Print.

APPLICANT (Full Legal Name)

Name: Matthew Lyons
Company: Azura, LLC
Address: 1233 N Mayfair Road, Suite 301 City: Milwaukee State: WI zip: 53226
Daytime Phone: 720.291.4838 Fax: _____
E-Mail: matt@azuraliving.com

APPLICANT IS REPRESENTED BY (Full Legal Name)

Name: _____
Company: _____
Address: _____ City: _____ State: _____ Zip: _____
Daytime Phone: _____ Fax: _____
E-Mail: _____

ARCHITECT

Name: Dan Schindhelm
Company: EUA
Address: _____ City: _____ State: _____ Zip: _____
Daytime Phone: 608.442.6692 Fax: _____
E-Mail: dans@eua.com

PROFESSIONAL ENGINEER

Name: Aaron Koch
Company: Pinnacle Engineering
Address: _____ City: _____ State: _____ Zip: _____
Daytime Phone: 262.754.8888 Fax: _____
E-Mail: aekoch@pinnacle-engr.com

REGISTERED SURVEYOR

Name: Don Chaput
Company: Chaput Land Surveys
Address: _____ City: _____ State: _____ Zip: _____
Daytime Phone: 414.292.1311 Fax: _____
E-Mail: don@chaputlandsurveys.com

CONTRACTOR

Name: TBD
Company: _____
Address: _____ City: _____ State: _____ Zip: _____
Daytime Phone: _____ Fax: _____
E-Mail: _____

PROPERTY INFORMATION

~~Michael A Chapman Descendants Trust and~~
Property Owner (s) (if different from applicant): Laurie G Chapman Descendants Trust

Address: W299S8915 Hwy 83 city: Mukwonago State: WI zip: 53149

Daytime Phone: _____ Fax: _____

E-Mail: _____

Present Zoning: B3 Tax Key No(s): MUKV1962996009

Location/Address: Not assigned

Present Use: Agriculture Intended Use: Senior Living

PROCEDURAL CHECKLIST FOR SITE PLAN/ARCHITECTURAL PLAN/PUD REVIEW AND APPROVAL

- ☐ Application fee: [current fee schedule](#)
- ☐ Agreement for Reimbursable Services Acknowledgement

Required site drawings:

- ☐ Survey of the property
- ☐ Landscape plan
- ☐ Parking plan (including parking computations)
- ☐ Lighting plan (including photo metrics and cut sheets)
- ☐ Proposed location and connection to the sanitary sewer and water mains
- ☐ Preliminary Stormwater Management plan (if applicable)
- ☐ All building elevations (color renderings)
- ☐ Building Material Cut Sheets
- ☐ Floor plans
- ☐ Signage proposed (additional permit and approvals required under Ch. 64)

Other Documents:

- ☐ Plan of operation/proposal
- ☐ Electronic Submittals are required. All documents need to be uploaded into the BS&A Software.
- ☐ Any additional information as determined by Village Staff.
- ☐ Any Licenses from the Village Clerk.

CERTIFICATION

Applicant hereby certifies that:

1. All of the above statements and other information submitted as part of this application are true and correct to the best of his or her knowledge.
2. Affirms that no Village of Mukwonago elected or appointed official or employee has a proprietary interest in the above referenced property for which this applications being filed (except as stated below under "Exceptions").
3. None of the above referenced individuals has been promised or given any contract for consultation, planning or construction in relation to this project (except as stated below under "Exceptions").
4. Applicant has read and understands all information in this packet.

Applicant further understands the policies of the Village regarding change of zonings and property development. Conditions of the resolution regarding all approvals are strictly followed. Certificates of Occupancy are not given until all conditions of approval have been met

By the execution of this application, applicant hereby authorizes the Village of Mukwonago or its agents to enter upon the property during the hours of 7:00 am to 7:00 pm daily for the purpose of inspection. Applicant grants this authorization to enter even if this land has been posted against trespassing pursuant to Section 943.13 WI Stats.

(The applicant's signature must be from a Managing Member if the business is an LLC, or from the President or Vice President if the business is a corporation. A signed applicant's authorization letter may be provided in lieu of the applicant's signature below, and a signed property owner's authorization letter may be provided in lieu of the property owner's signature[s] below. If more than one, all of the owners of the property must sign this Application).

Signature - Property Owner

Name & Title (PRINT)

Date



Signature - Applicant

Matthew Lyons - Director of Development

Name & Title (PRINT)

04.02.2024

Date

Signature - Property Owner

Name & Title (PRINT)

Date

Signature - Applicant's Representative

Name & Title (PRINT)

Date

FOR OFFICE USE ONLY

Date Paid	Receipt #
Plan Commission Date(s)	Village Board Date(s)
Escrow Required? ☐ Yes ☐ No	Escrow Amount
Plan Commission Disposition	
Village Board Disposition	

Justification of the Proposed Conditional Use

The Plan Commission and Village Board of the Village of Mukwonago will base their decisions on the category standards listed below. It is in the best interest of the applicant to base their presentation on the same applicable set of standards when presenting their petition. Applicant: Please fill out ALL of the questions. Use additional sheet of paper if needed.

- A. How is the proposed conditional use (the use in general, independent of its location) in harmony with the purposes, goals, objectives, policies and standards of the Village of Mukwonago Comprehensive Plan, the Zoning Ordinance, and any other plan, program, or ordinance adopted, or under consideration pursuant to official notice by the Village?
- The “Update to Comprehensive Plan 2035” specifically references a need for focused senior housing and senior and flexible housing.
 - Senior Facilities are only allowed as a Conditional Use under the zoning code.
- B. How is the proposed conditional use, in its specific location, in harmony with the purposes, goals, objectives, policies and standards of the Village of Mukwonago Comprehensive Plan, the Zoning Ordinance, and any other plan, program, or ordinance adopted, or under consideration pursuant to official notice by the Village?
- The “Update to Comprehensive Plan 2035” specifically references a need for focused senior housing and senior and flexible housing.
 - The subject property is located within the North Key Area defined within the Comprehensive Plan. The specific property is identified as having a recommended land use of Low Intensity Commercial / Business.
 - The subject property is currently zoned B-3 Community Business District. This zoning district allows for Senior Facility as a Conditional Use. The proposed Azura development meets or exceeds all of the requirements set forth within the B-3 district.
- C. Does the proposed conditional use, in its proposed location and as depicted on the required site plan (see Section 100-354 (a), (b), and (c), result in any substantial or undue adverse impact on nearby property, the character of the neighborhood, environmental factors, traffic factors, parking, public improvements, public property or rights-of-way, or other matters affecting the public health, safety, or general welfare, either as they now exist or as they may in the future be developed as a result of the implementation of the provisions of the Zoning Ordinance, the Comprehensive Plan, or any other plan, program, map ordinance adopted or under consideration pursuant to official notice by the Village or other governmental agency having jurisdiction to guide development?
- The proposed conditional use will not result in any substantial or undue adverse impact.
 - The proposed project as a Senior Facility will be a quiet neighbor and is not anticipated to have any adverse impact on nearby properties.
 - The neighborhood currently consists of business uses (Aurora Clinic, Bank, general retail, day care) to the east of the subject property along Chapman Boulevard near Highway 83. There is multi-unit residential units directly to the west of the property along Chapman Boulevard and a single-family residential neighborhood further to the

west. The proposed Senior Facility will consist of the three buildings that are designed with a single-family residential aesthetic and are an ideal transition from the higher intensity retail and business uses to the east and the residential uses to the west and the residential aesthetic was intentionally designed to fit within the character of the neighborhood.

- Traffic generated by the proposed conditional use will be significantly less than traffic that could be generated by many of the uses that are already approved for the property.
- All parking will be accommodated on site and the conditional use will not generate any off-site parking needs.
- The proposed conditional use is not expected to result in any substantial adverse impacts relating to public improvements, public property or rights-of-way, or other matters affecting the public health, safety, or general welfare.

D. How does the proposed conditional use maintain the desired consistency of land uses, land use intensities, and land use impacts as related to the environs of the subject property?

- The proposed Senior Facility will consist of the three buildings that are designed with a single-family residential aesthetic and are an ideal transition from the higher intensity retail and business uses to the east and the residential uses to the west and the residential aesthetic was intentionally designed to fit within the character of the neighborhood.
- The proposed conditional use is within the set of uses anticipated by this site by the Comprehensive Plan and the Zoning Code.

E. Is the proposed conditional use located in an area that will be adequately served by and will not impose an undue burden on, any of the improvements, facilities, utilities, or services provide by public agencies serving the subject property?

- The proposed conditional use will be adequately served and will not impose an undue burden on any of the improvements, facilities, utilities, or services provide by public agencies serving the subject property.

F. Do the potential public benefits of the proposed conditional use outweigh all potential adverse impacts of the proposed conditional use (as identified in Sections 100-354 (e)(1) and (2)), after taking into consideration the Applicant's proposal and any requirements recommended by the Applicant to ameliorate such impacts?

- The proposed conditional use fills a need for senior housing that was identified within the Comprehensive Plan.
- Assisted Living and Memory Care demand is currently unmet within the Village of Mukwonago and the development of the proposed use will allow residents with needs for these services to remain within the community instead of having to leave the community to fulfill these needs.
 - o Azura is an industry leader within the state of Wisconsin and provides additional community services in the communities which we are located. These services include:

- Caregiver support groups
- Memory cafes
- Virtual Dementia Tour training (Azura has offered this training to the community at large as well as police and fire departments within the communities we serve)
- Monthly webinars

Agreement for Reimbursable Services Petitioner/Applicant/Property Owner

In accordance with Village Ordinance 70-15, the Village may retain the services of professional consultants (including planners, engineers, architects, attorneys, environmental specialists, recreation specialists, and other experts) to assist in its review of a proposal coming before the Plan Commission/Board of Building and Zoning Appeals. The Village reserves the right to apply the charges for these services as well as for staff time expended in the administration, investigation and processing of applications to the Applicant.

The Applicant is required to provide the Village with an executed copy of this agreement as a prerequisite to the processing of the development application. The submittal of a development proposal application or petition shall be construed as an agreement to pay for such professional review services applicable to the proposal. The Village may delay acceptance of the application or petition as complete, or may delay final approval of the proposal, until such fees are paid by the Applicant. The Property Owner acknowledges that review fees which are applied to an Applicant, but which are not paid by such Applicant, may be charged by the Village as an assessment against the subject property for current services provided the property.

Note: Consultant services (e.g. engineering, planning, surveying, legal, etc.) and Village administrative time may be charged in addition to the normal costs payable by the Applicant/Petitioner/Property Owner (e.g. application filing fees, permit fees, publication expenses, recording fees, impact fees, etc.)

Azura at Mukwonago

(Project Name/Nature of Application)

MUKV1962996009

(Property Tax Key Numbers Involved in Project)

Azura, LLC - Matthew Lyons

(Print Name of Applicant/Petitioner)



(Signature of Applicant/Petitioner)

04.02.2024

(Date)

(Print Name of Property Owner)

(Signature of Property Owner)

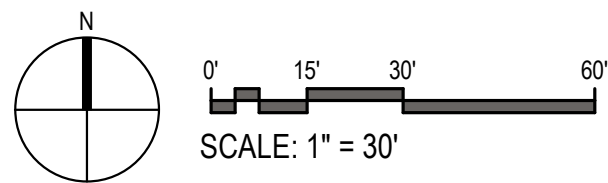
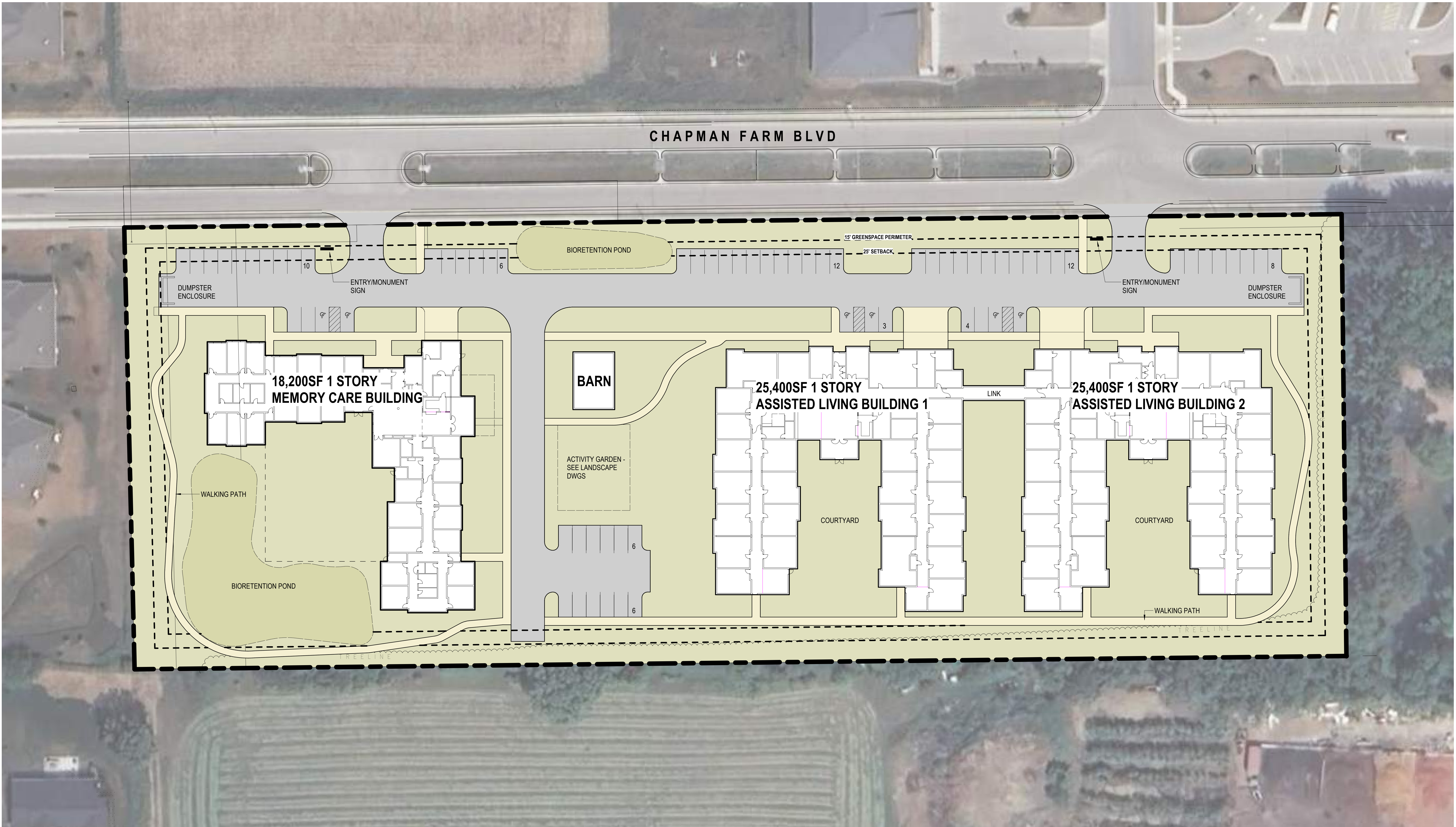
(Date)

1233 N Mayfair Road, Suite 301

(Billing Mailing Address)

Milwaukee, WI 53226

(Billing City, ST Zip)



ARCHITECTURAL SITE PLAN



1 MEMORY CARE FLOOR PLAN
3/32" = 1'-0"

0' 4' 8' 16' 24'
SCALE: 3/32" = 1'-0"

MEMORY CARE BUILDING FLOOR PLAN



1 ASSISTED LIVING 1 FLOOR PLAN
3/32" = 1'-0"

0' 4' 8' 16' 24'
SCALE: 3/32" = 1'-0"

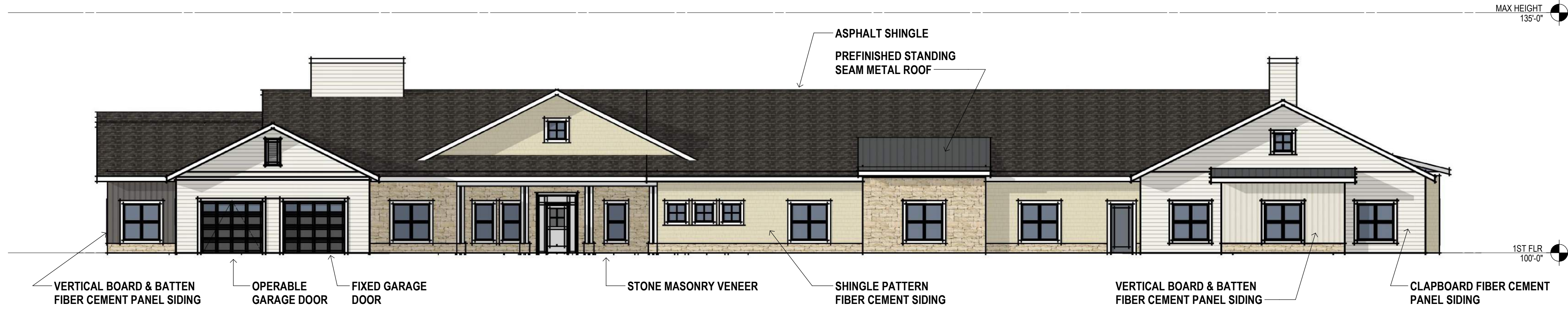
ASSISTED LIVING BUILDING 1 FLOOR PLAN



1 ASSISTED LIVING 2 FLOOR PLAN
3/32" = 1'-0"

0' 4' 8' 16' 24'
SCALE: 3/32" = 1'-0"

ASSISTED LIVING BUILDING 2 FLOOR PLAN



1 MEMORY CARE NORTH ELEVATION
1" = 10'-0"



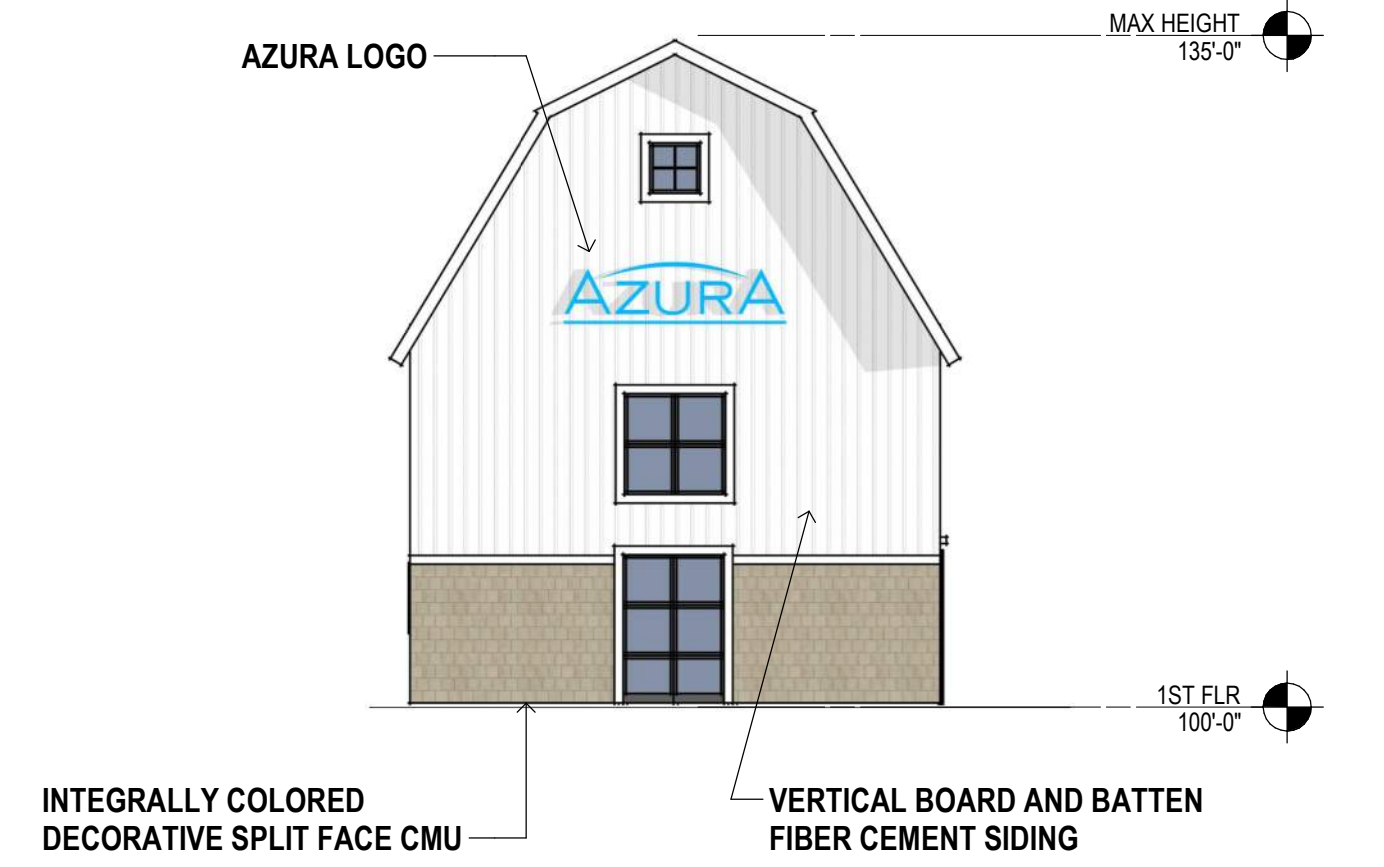
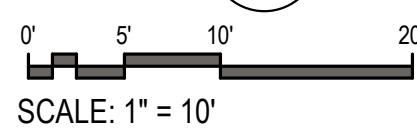
2 MEMORY CARE WEST ELEVATION
1" = 10'-0"



3 MEMORY CARE SOUTH ELEVATION
1" = 10'-0"



4 MEMORY CARE EAST ELEVATION
1" = 10'-0"



5 BARN NORTH ELEVATION
1" = 10'-0"



6 BARN WEST ELEVATION
1" = 10'-0"

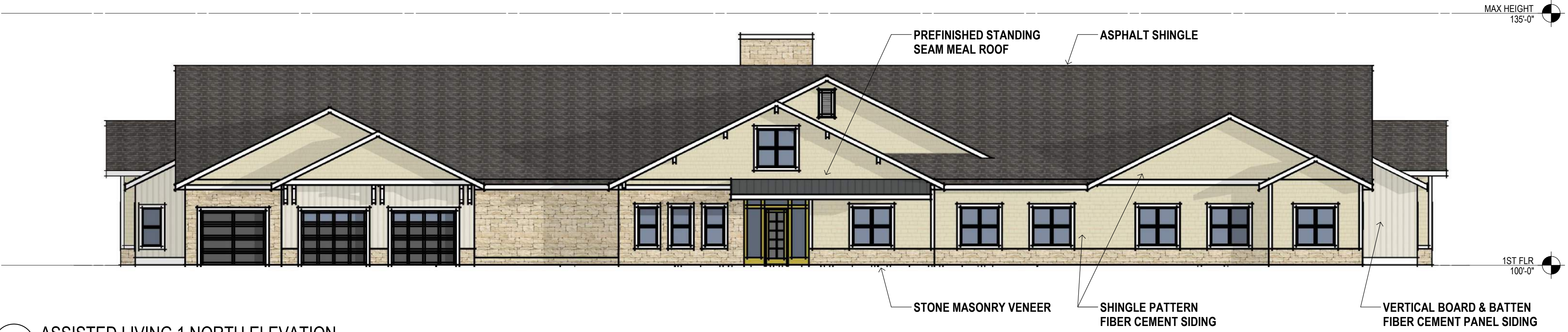


7 BARN SOUTH ELEVATION
1" = 10'-0"



8 BARN EAST ELEVATION
1" = 10'-0"

MEMORY CARE BUILDING and BARN



1 ASSISTED LIVING 1 NORTH ELEVATION
1" = 10'-0"



2 ASSISTED LIVING 1 WEST ELEVATION
1" = 10'-0"



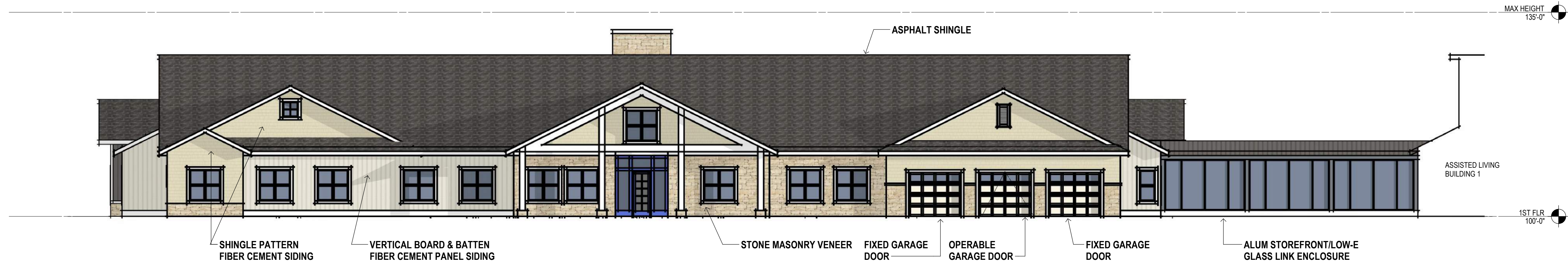
3 ASSISTED LIVING 1 SOUTH ELEVATION
1" = 10'-0"



4 ASSISTED LIVING 1 EAST ELEVATION
1" = 10'-0"

0' 5' 10' 20'
SCALE: 1" = 10'

ASSISTED LIVING BUILDING 1



1 ASSISTED LIVING 2 NORTH ELEVATION
1" = 10'-0"



2 ASSISTED LIVING 2 WEST ELEVATION
1" = 10'-0"



3 ASSISTED LIVING 2 SOUTH ELEVATION
1" = 10'-0"



4 ASSISTED LIVING 2 EAST ELEVATION
1" = 10'-0"

0' 5' 10' 20'
SCALE: 1" = 10'

ASSISTED LIVING BUILDING 2



MEMORY CARE BUILDING



ASSISTED LIVING BUILDING 1



ASSISTED LIVING BUILDING 2



DECORATIVE SPLIT FACE MASONRY –
OLDCASTLE, BEST BLOCK, OR SIMILAR



ASPHALT SHINGLE – GAF TIMBERLINE
SHADOWLINE SERIES, OWENS
CORNING, OR SIMILAR



CEMENT FIBER BOARD AND BATTEN
SIDING – JAMES HARDIE, LP SMART
SIDING, OR SIMILAR



CEMENT FIBER LAP SIDING– JAMES
HARDIE, LP SMART SIDING, OR
SIMILAR



STONE MASONRY VENEER – ASHLAR
LIMSETONE, ARRISCRAFT CAST
STONE, OR SIMILAR



CEMENT FIBER STRAIGHT EDGE
SHINGLE SIDING – JAMES HARDIE, LP
SMART SIDING, OR SIMILAR

EXTERIOR MATERIAL PALETTE – MEMORY CARE BUILDING AND BARN



ASPHALT SHINGLE – GAF TIMBERLINE SHADOWLINE SERIES, OWENS CORNING, OR SIMILAR



STANDING SEAM METAL ROOF – PAC CLAD, UNA-CLAD, OR SIMILAR



STONE MASONRY VENEER – ASHLAR LIMSETONE, ARRISCRAFT CAST STONE, OR SIMILAR



CEMENT FIBER BOARD AND BATTEN SIDING – JAMES HARDIE, LP SMART SIDING, OR SIMILAR



CEMENT FIBER STRAIGHT EDGE SHINGLE SIDING – JAMES HARDIE, LP SMART SIDING, OR SIMILAR

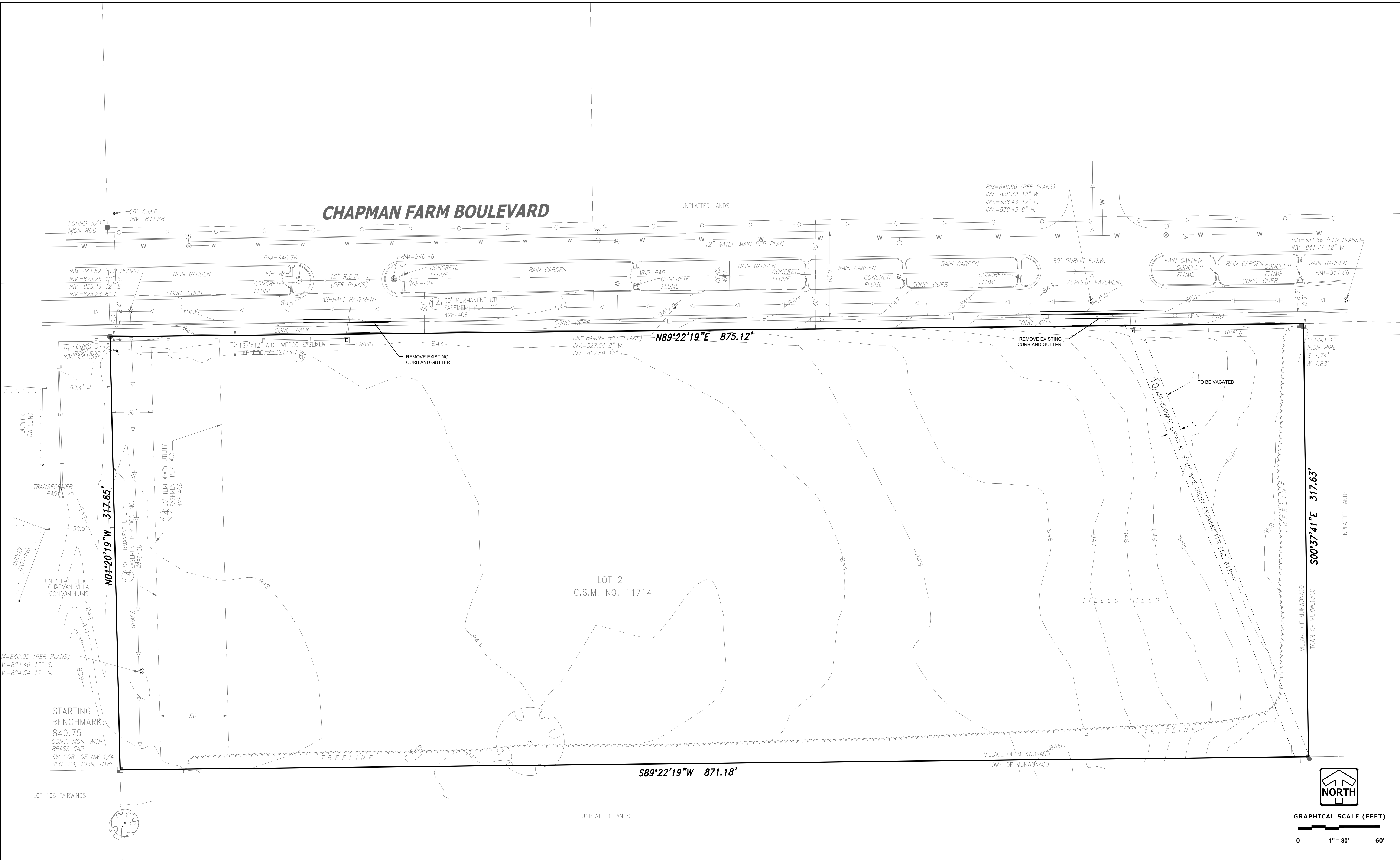
EXTERIOR MATERIAL PALETTE – ASSISTED LIVING BUILDINGS

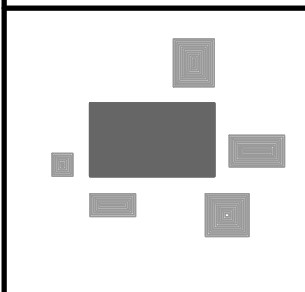
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REVIEWED: _____

DESIGNED: _____

DRAFTED: DNL





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(262) 754-8888
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AZURA - MUKWONAGO

MUKWONAGO, WI

EXISTING CONDITIONS

REVISIONS

—	—	—	—
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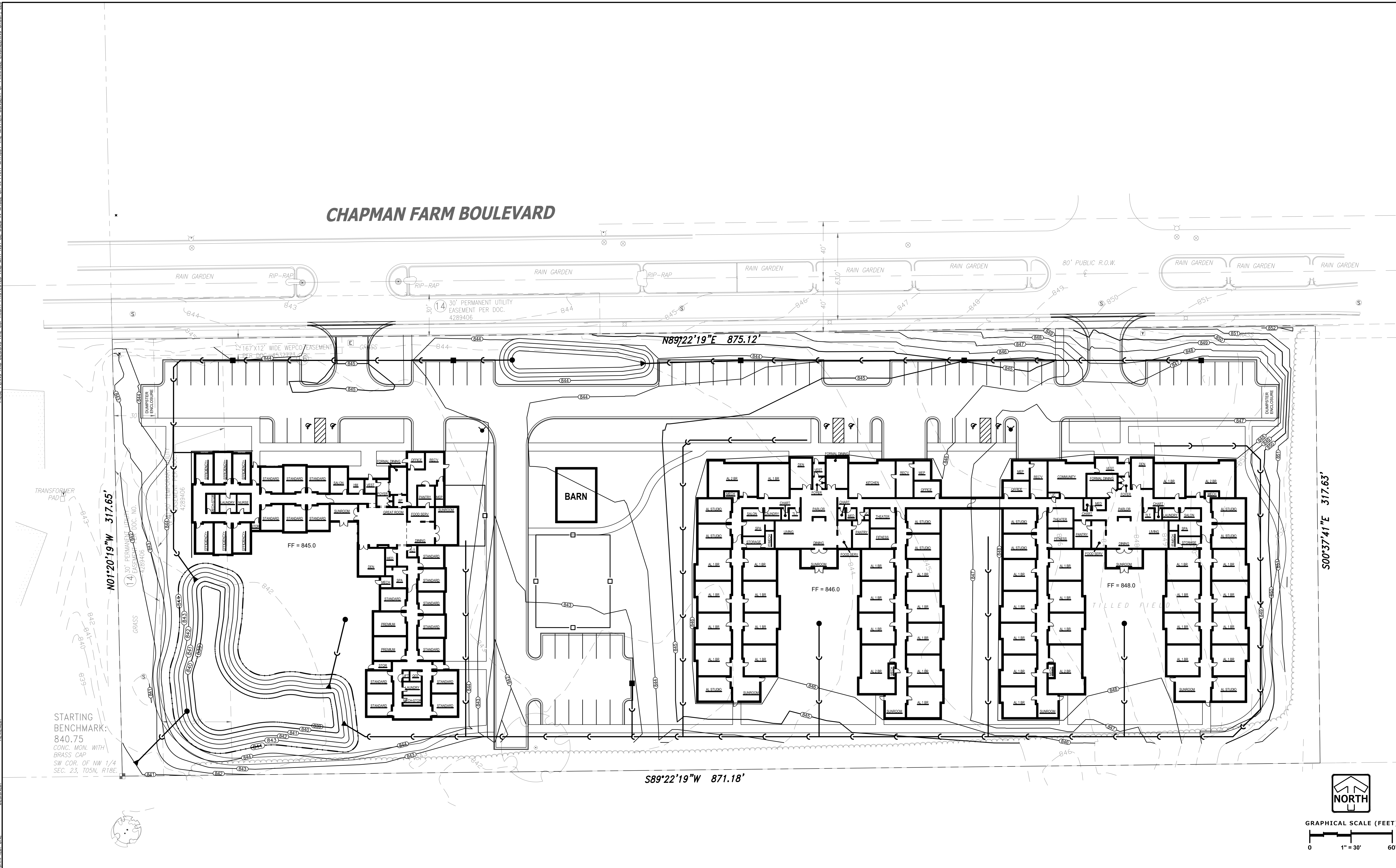
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REG PM **AEK**
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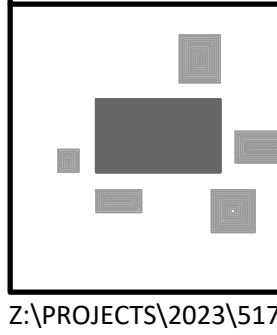
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C-1
C-4

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DESIGNED: DNL
DRAFTED: DNL
REVIEWED:

Z:\PROJECTS\2023\5172.00-WI\CAD\SHEETS\5172.00 GRADING PLAN.DWG





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GRADING PLAN

REVISIONS	

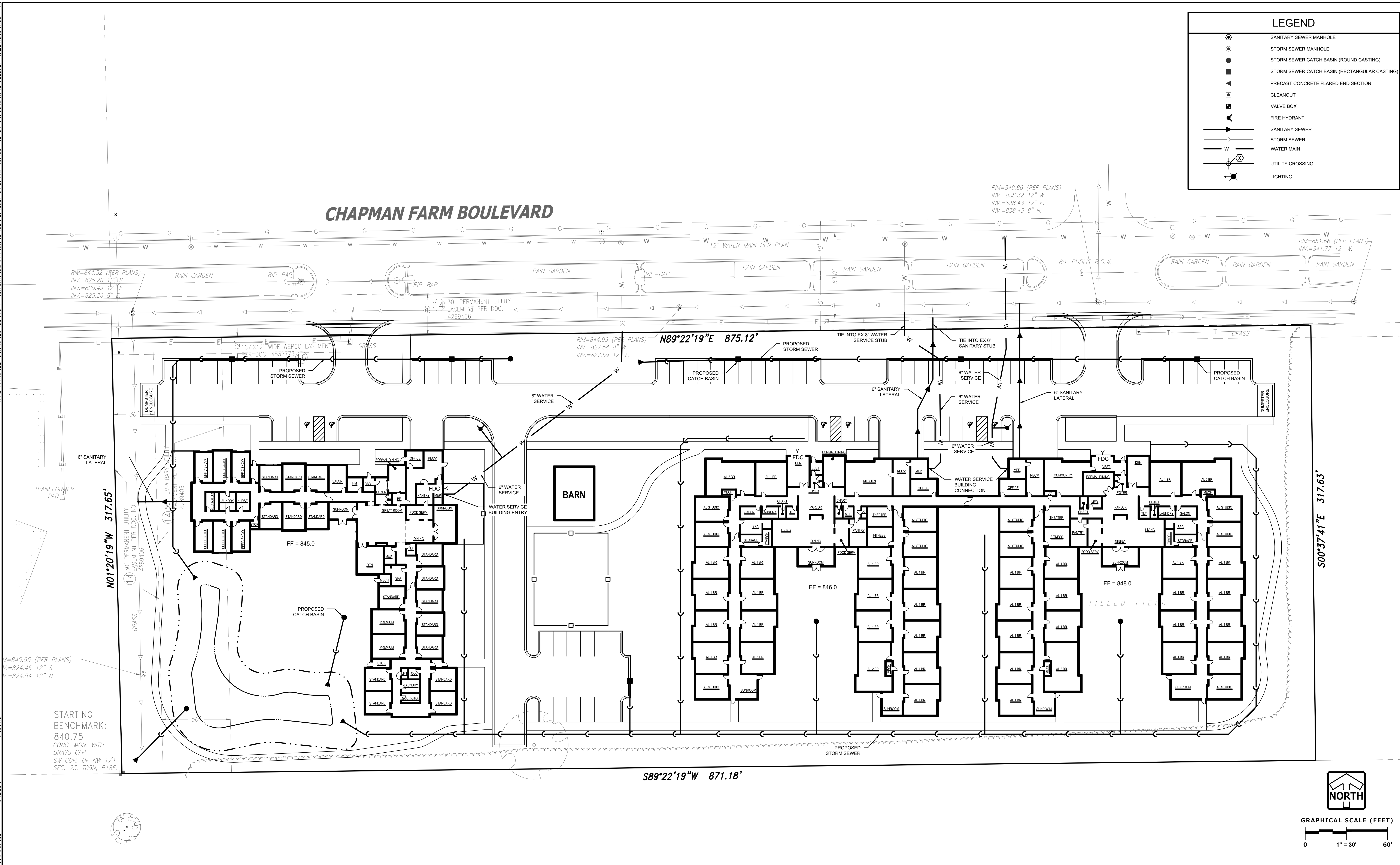
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REG PM AEK	SHEET C-4
START DATE 02/29/24	
SCALE 1" = 30'	

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REVIEWED: _____

DESIGNED: DNL

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UTILITY PLAN

REVISIONS

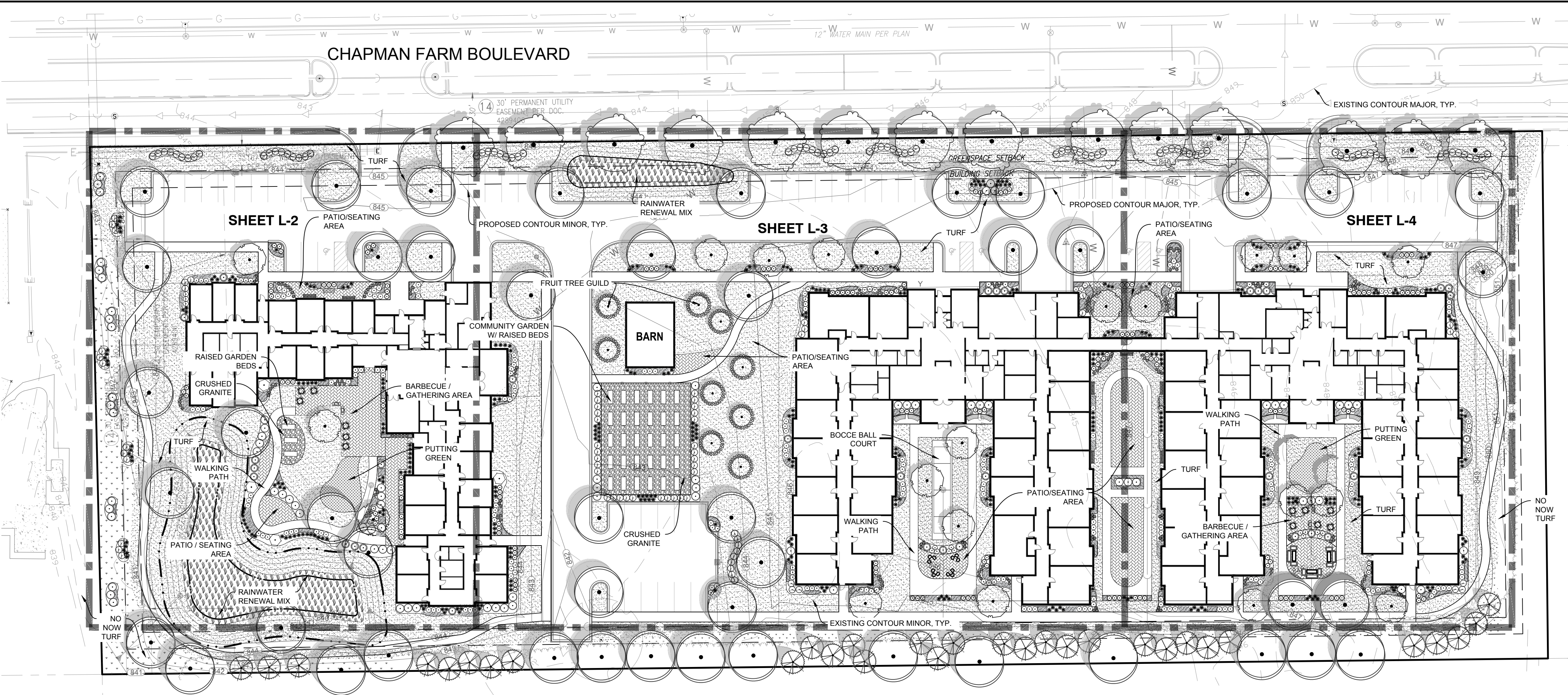
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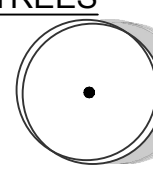
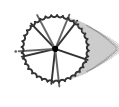
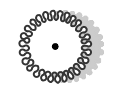
UTILITY PLAN

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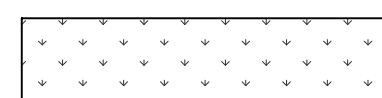
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHRUB AREAS					
2,582 sf					
PERENNIALS					
Allium x 'Millenium'					
Aster novae-angliae 'Purple Dome'					
Brunnera macrophylla 'Jack Frost'					
Coreopsis grandiflora 'Sunburst'					
Dianthus gratianopolitanus 'Firewitch'					
Echinacea x 'Balsomemym' TM					
Eupatorium dubium 'Little Joe'					
Heuchera x 'Pink Panther'					
Hosta x 'Rainforest Sunrise'					
Ligularia x 'Little Rocket'					
Nepeta racemosa 'Snowflake'					
Perovskia atriplicifolia 'Little Spire' TM					
Phlox paniculata 'Glamour Girl'					
Sedum x 'Autumn Fire'					
Millenium Ornamental Onion					
Purple Dome New England Aster					
Jack Frost Siberian Bugloss					
Sunburst Tickseed					
Firewitch Cheddar Pink					
Sombrero Lemon Yellow Improved Coneflower					
Joe-Pye Weed					
Pink Panther Coral Bells					
Rainforest Sunrise Hosta					
Little Rocket Ligularia					
Snowflake White Catmint					
Little Spire Russian Sage					
Glamour Girl Garden Phlox					
Autumn Fire Sedum					

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	REMARKS
GROUND COVERS				
6,160 sf				
RAIN WATER RENEWAL MIX				
99,318 sf				
TURF				
8,508 sf				
NO MOW TURF				

CONCEPT PLANT SCHEDULE					
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREES					
	48	DECIDUOUS TREES			
		Aesculus hippocastanum 'Baumannii'	Horse Chestnut	2.5" Cal.	60' T x 45' W
		Betula nigra 'Heritage'	Heritage River Birch Multi-Stem	2.5" Cal.	50' T x 14' W
		Liriodendron tulipifera 'Emerald City'	Emerald City Tulip Tree	2.5" Cal.	55' T x 25' W
	18	ORNAMENTAL TREES			
		Acer griseum	Paperbark Maple	1.5" Cal.	25' T x 20' W
		Amelanchier x grandiflora 'Princess Diana'	Princess Diana Serviceberry	1.5" Cal.	18' T x 14' W
		Carpinus caroliniana 'JN Strain'	Fire King Mistlewood	1.5" Cal.	30' T x 30' W
		Chionanthus virginicus	White Fringetree	1.5" Cal.	20' T x 15' W
		Cornus alternifolia	Pagoda Dogwood	1.5" Cal.	20' T x 25' W
		Heptacodium miconioides	Seven Sons Flower	5' Ht.	15' T x 10' W
		Malus x 'Purple Prince'	Purple Prince Crabapple	1.5" Cal.	20' T x 20' W
	31	EVERGREEN TREES			
		Abies koreana 'Aurea'	Golden Korean Fir	4' Ht.	25' T x 15' W
		Picea abies	Norway Spruce	4' Ht.	60' T x 25' W
		Pinus bungeana	Lacebark Pine	4' Ht.	40' T x 30' W
	14	STREET TREES			
		Acer x freemanii 'Sienna'	Sienna Glen Maple	2.5" Cal.	50' T x 35' W
		Tilia americana 'Redmond'	Redmond American Linden	2.5" Cal.	50' T x 35' W
		Ulmus x 'Morton Glossy'	Triumph Elm	2.5" Cal.	55' T x 40' W
	9	FRUIT TREES			
		Malus x domestica 'CandyCrisp'	CandyCrisp Apple	4' Ht.	12' T x 12' W
		Malus x domestica 'Red Rome'	Red Rome Apple	4' Ht.	15' T x 15' W
		Malus x domestica 'Stark Golden Delicious'	Stark Golden Delicious Apple	4' Ht.	15' T x 15' W
		Prunus avium 'Lapins'	Lapins Sweet Cherry	4' Ht.	12' T x 12' W
		Prunus avium 'Napoleon'	Napoleon Sweet Cherry	4' Ht.	12' T x 12' W
		Prunus persica 'Belle of Georgia'	Belle of Georgia Peach	4' Ht.	12' T x 12' W
		Prunus persica 'Canadian Harmony'	Canadian Harmony Peach	4' Ht.	12' T x 12' W
		Pyrus communis 'Moonglow'	Moonglow European Pear	4' Ht.	15' T x 10' W
		Pyrus communis 'Seckel'	Seckel European Pear	4' Ht.	15' T x 10' W
SHRUBS					
	151	UPRIGHT EVERGREEN SHRUB			
		Juniperus chinensis 'Trautman'	Trautman Juniper	4' Ht.	12' T x 4' W
		Juniperus chinensis 'J.N. Select Blue'	Star Power Juniper	4' Ht.	16' T x 8' W
		Taxus x media 'SMNTHDC'	Stonehenge® Anglo-Japanese Yew	4' Ht.	10' T x 4' W
		Thuja occidentalis 'Holmstrup'	Holmstrup Cedar	4' Ht.	14' T x 4' W
	5	LARGE DECIDUOUS SHRUB			
		Cotinus coggygia 'Royal Purple'	Royal Purple Smokebush	36" Ht.	12' T x 12' W
		Hamamelis vernalis 'Kohankie Red'	Kohankie Red Ozark Witchazel	36" Ht.	9' T x 10' W
		Magnolia stellata	Star Magnolia	36" Ht.	15' T x 10' W
		Physocarpus opulifolius 'Center Glow'	Center Glow Ninebark	36" Ht.	8' T x 8' W
		Syringa vulgaris 'Beauty of Moscow'	Beauty of Moscow Common Lilac	36" Ht.	8' T x 7' W
	32	MEDIUM EVERGREEN SHRUB			
		Juniperus chinensis 'Mint Julep'	Mint Julep Juniper	24" Ht.	6' T x 7' W
		Picea abies 'Nidiformis'	Nest Spruce	24" Ht.	4' T x 5' W
		Pinus cembra 'Chalet'	Chalet Swiss Stone Pine	24" Ht.	8' T x 4' W
		Taxus x media 'Densiformis'	Dense Yew	24" Ht.	5' T x 6' W
	150	SMALL EVERGREEN SHRUB			
		Juniperus chinensis 'Pfitzeriana Kallays'	Kallay Compact Juniper	18" W	3' T x 7' W
		Juniperus horizontalis 'Blue Forest'	Blue Forest Creeping Juniper	18" W	1' T x 4' W
		Juniperus squamata 'Blue Star'	Blue Star Juniper	18" W	3' T x 4' W
		Pinus mugo 'Slowmound'	Mugo Pine	18" Ht.	3' T x 3' W
		Pinus strobus 'Blue Shag'	Blue Shag White Pine	18" Ht.	4' T x 3' W
		Taxus x media 'SMNTHDB'	Stonehenge Dark Druid® Yew	18" Ht.	3' T x 3' W
		Thuja occidentalis 'Hetz Midget'	Hetz Midget Arborvitae	18" W	3' T x 3' W
		Tsuga canadensis 'Jeddelloh'	Jeddelloh Canadian Hemlock	18" Ht.	2' T x 4' W
	363	TALL ORNAMENTAL GRASS			
		Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	1 gal.	4' T x 2' W
		Deschampsia cespitosa 'Schottland'	Schottland Tufted Hair Grass	1 gal.	4' T x 2' W
		Miscanthus sinensis 'Oktoberfest'	Oktoberfest Miscanthus	1 gal.	4' T x 3' W
		Panicum virgatum 'Heavy Metal'	Blue Switch Grass	1 gal.	4' T x 3' W
		Schizachyrium scoparium 'Standing Ovation'	Standing Ovation Little Bluestem	1 gal.	40" T x 18" W
	168	SHORT ORNAMENTAL GRASS			
		Deschampsia cespitosa 'Bronze Veil'	Bronze Veil Tufted Hair Grass	1 gal.	18" T x 24" W
		Hakonechloa macra 'Aureola'	Golden Variegated Forest Grass	1 gal.	18" T x 24" W
		Miscanthus sinensis 'Little Kitten'	Little Kitten Eulalia Grass	1 gal.	24" T x 15" W
		Pennisetum alopecuroides 'Little Bunny'	Little Bunny Fountain Grass	1 gal.	18" T x 18" W
	221	SMALL DECIDUOUS SHRUB			
		Cornus sanguinea 'Cato'	Arctic Sun Bloodtwig Dogwood	18" Ht.	3' T x 3' W
		Diervilla x 'G2X88544'	Kodiak Orange Diervilla	18" Ht.	4' T x 4' W
		Hydrangea paniculata 'Bobo'	Bobo Hydrangea	18" Ht.	3' T x 4' W
		Itea virginica 'Bailteane'	Love Child® Sweetspire	18" Ht.	3' T x 3' W
		Physocarpus opulifolius 'Nanus'	Dwarf Ninebark	18" Ht.	2' T x 3' W
		Rosa x 'Coral Cove'	Coral Cove Rose	18" Ht.	3' T x 3' W
		Syringa x 'SMNJRP1'	Boomerang Dwarf Pink Lilac	18" Ht.	4' T x 3' W
		Weigela florida 'Bokraspiwi'	Spilled Wine Weigela	18" Ht.	3' T x 3' W
	79	MEDIUM DECIDUOUS SHRUB			
		Cephalanthus occidentalis 'SMCOSS'	Sugar Shack® Buttonbush	24" Ht.	5' T x 5' W
		Cornus sericea 'Bergeson's Compact'	Bergeson's Red Twig Dogwood	24" Ht.	5' T x 5' W
		Cotinus coggygia 'Lilla'	Lilla Dwarf Smoke Tree	24" Ht.	4' T x 4' W
		Hydrangea p 'Vanilla Strawberry'	Vanilla Strawberry Hydrangea	24" Ht.	6' T x 5' W
		Philadelphus coronarius 'Aureus'	Golden Mockorange	24" Ht.	6' T x 5' W
		Physocarpus opulifolius 'Amber Jubilee' TF	Amber Jubilee Ninebark TF	24" Ht.	6' T x 5' W

Juniperus chinensis 'Pfitzeriana Kallays' / Kallay Compact Juniper
 Juniperus horizontalis 'Blue Forest' / Blue Forest Creeping Juniper
 Juniperus squamata 'Blue Star' / Blue Star Juniper
 Pinus mugo 'Slowmound' / Mugo Pine
 Pinus strobus 'Blue Shag' / Blue Shag White Pine
 Taxus x media 'SMNTHDB' / Stonehenge Dark Druid® Yew
 Thuja occidentalis 'Hetz Midget' / Hetz Midget Arborvitae
 Tsuga canadensis 'Jeddlehd' / Jeddlehd Canadian Hemlock

NO MOW TURF



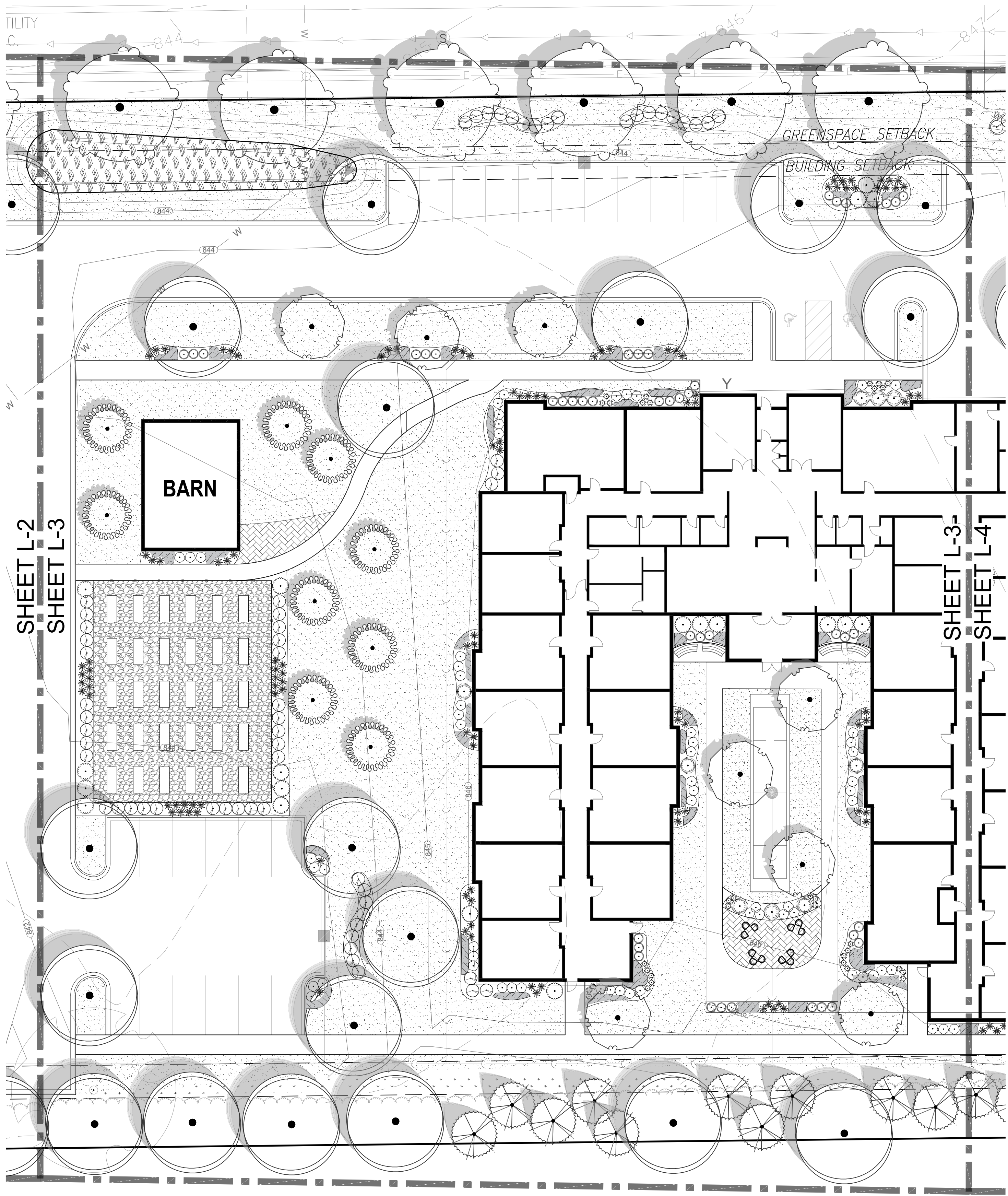
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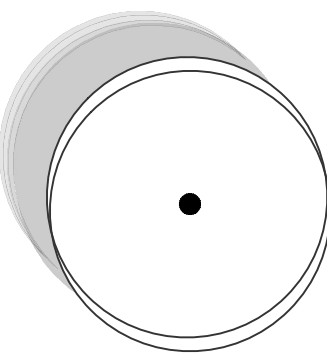
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DRAFTED: SAT

REVIEWED: DJB



CONCEPT PLANT KEY



DECIDUOUS TREES

Aesculus hippocastanum 'Baumannii' / Horse Chestnut
Betula nigra 'Heritage' / Heritage River Birch Multi-Stem
Liriodendron tulipifera 'Emerald City' / Emerald City Tulip Tree

ORNAMENTAL TREES

Acer griseum / Paperbark Maple
Amelanchier x grandiflora 'Princess Diana' / Princess Diana Serviceberry
Carpinus caroliniana 'JN Strain' / Fire King Musclemwood
Chionanthus virginicus / White Fringetree
Cornus alternifolia / Pagoda Dogwood
Heptacodium miconioides / Seven Sons Flower
Malus x 'Purple Prince' / Purple Prince Crabapple

EVERGREEN TREES

Abies koreana 'Aurea' / Golden Korean Fir
Picea abies / Norway Spruce
Pinus bungeana / Lacebark Pine

STREET TREES

Acer x freemanii 'Sienna' / Sienna Glen Maple
Tilia americana 'Redmond' / Redmond American Linden
Ulmus x 'Morton Glossy' / Triumph Elm

FRUIT TREES

Malus x domestica 'CandyCrisp' / CandyCrisp Apple
Malus x domestica 'Red Rome' / Red Rome Apple
Malus x domestica 'Stark Golden Delicious' / Stark Golden Delicious Apple
Prunus avium 'Lapins' / Lapins Sweet Cherry
Prunus persica 'Napoleon' / Napoleon Sweet Cherry
Prunus persica 'Belle of Georgia' / Belle of Georgia Peach
Prunus persica 'Canadian Harmony' / Canadian Harmony Peach
Pyrus communis 'Moonglow' / Moonglow European Pear
Pyrus communis 'Seckel' / Seckel European Pear

UPRIGHT EVERGREEN SHRUB

Juniperus chinensis 'Trautman' / Trautman Juniper
Juniperus chinensis 'J.N. Select Blue' / Star Power Juniper
Taxus x media 'SMNTHDC' / Stonehenge® Anglo-Japanese Yew
Thuja occidentalis 'Holmstrup' / Holmstrup Cedar

LARGE DECIDUOUS SHRUB

Cotinus coggygria 'Royal Purple' / Royal Purple Smokebush
Hamamelis vernalis 'Kohankie Red' / Kohankie Red Ozark Witchazel
Magnolia stellata / Star Magnolia
Physocarpus opulifolius 'Center Glow' / Center Glow Ninebark
Syringa vulgaris 'Beauty of Moscow' / Beauty of Moscow Common Lilac

MEDIUM EVERGREEN SHRUB

Juniperus chinensis 'Mint Julep' / Mint Julep Juniper
Picea abies 'Nidiformis' / Nest Spruce
Pinus cembra 'Chalet' / Chalet Swiss Stone Pine
Taxus x media 'Densiformis' / Dense Yew

MEDIUM DECIDUOUS SHRUB

Cephalanthus occidentalis 'SMCOSS' / Sugar Shack® Buttonbush
Cornus sericea 'Bergeson's Compact' / Bergeson's Red Twig Dogwood
Cotinus coggygria 'Lilla' / Lilla Dwarf Smoke Tree
Hydrangea p 'Vanilla Strawberry' / Vanilla Strawberry Hydrangea
Philadelphus coronarius 'Aureus' / Golden Mockorange
Physocarpus opulifolius 'Amber Jubilee' TF / Amber Jubilee Ninebark TF

SMALL EVERGREEN SHRUB

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Rosa x 'Coral Cove' / Coral Cove Rose
Syringa x 'SMNJRPI' / Bloomerang Dwarf Pink Lilac
Weigela florida 'Bokraspiw' / Spilled Wine Weigela

SHORT ORNAMENTAL GRASS

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Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass
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Eupatorium dubium 'Little Joe' / Joe-Pye Weed
Heuchera x 'Pink Panther' / Pink Panther Coral Bells
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Ligularia x 'Little Rocket' / Little Rocket Ligularia
Nepeta racemosa 'Snowflake' / Snowflake White Catmint
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RAIN WATER RENEWAL MIX

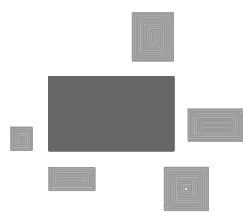
TURF

NO MOW TURF



GRAPHICAL SCALE (FEET)

0 1" = 20' 40'



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MUKWONAGO, WI

LANDSCAPE ENLARGEMENT

REVISIONS

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PEC JOB No. **5172.00**

PEC PM **AELK**

START DATE **02/29/24**

SCALE **1" = 20'**

SHEET

L-3

L-6

LANDSCAPE ENLARGEMENT

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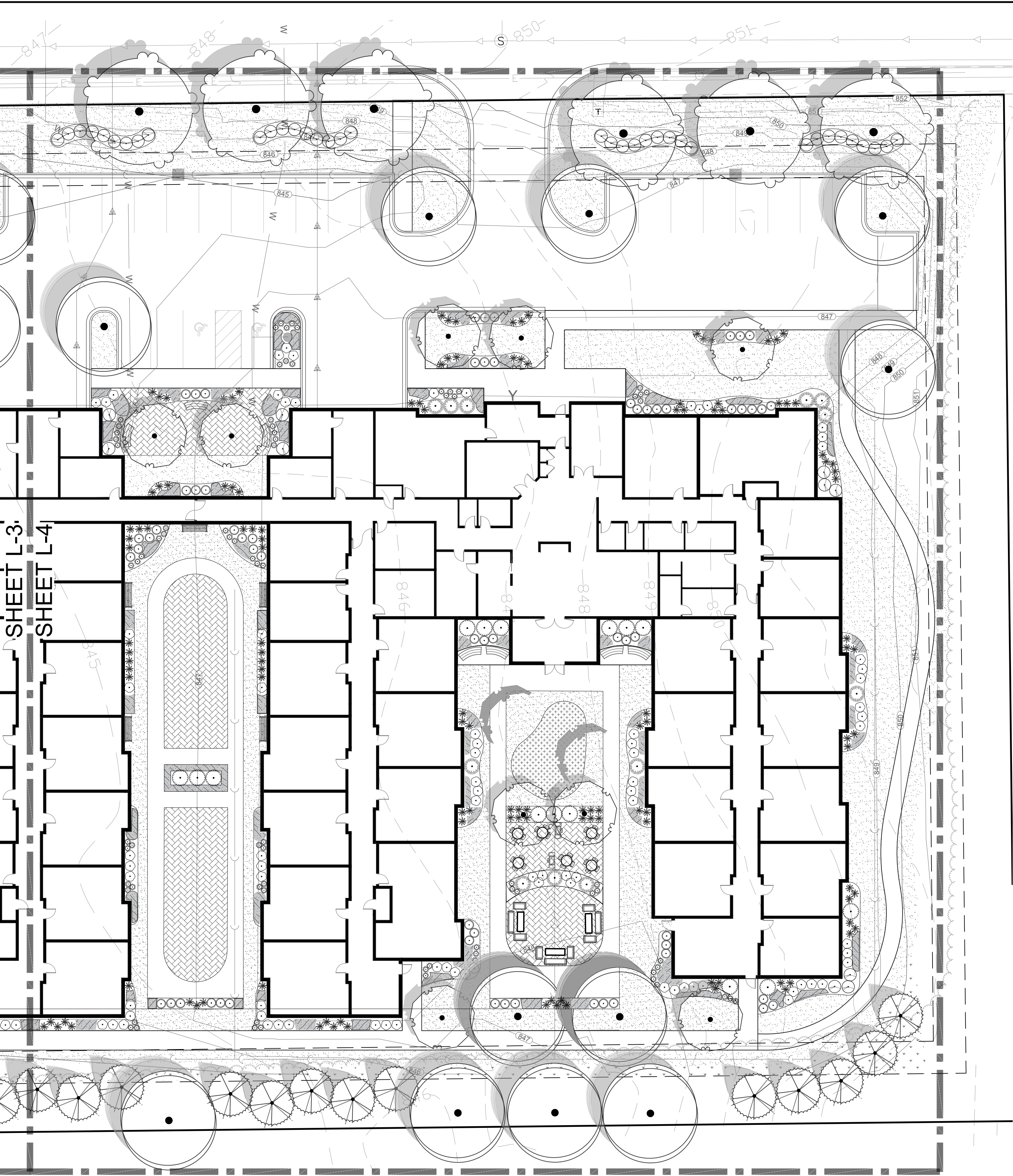
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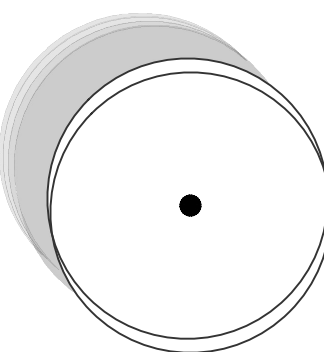
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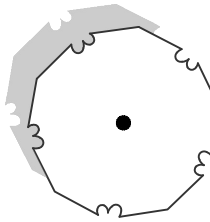
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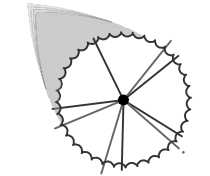
CONCEPT PLANT KEY



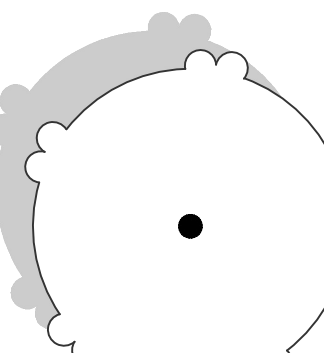
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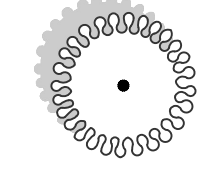
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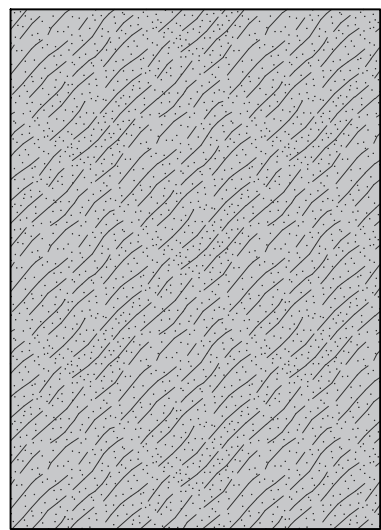
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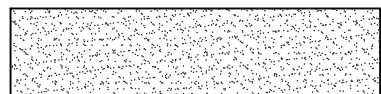
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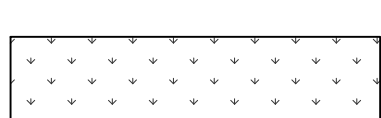
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RAIN WATER RENEWAL MIX



TURF

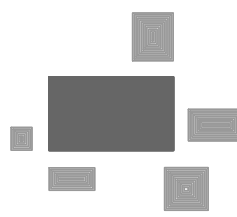


NO MOW TURF



GRAPHICAL SCALE (FEET)

0 1" = 20' 40'



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REVISIONS

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PEC JOB No. 5172.00

PEC PR A/E/C

START DATE 02/29/24

SCALE 1" = 20'

SHEET

L-4

L-6

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DESIGNED: SAT
DRAFTED: SAT
REVIEWED: DJB

GENERAL PLANTING NOTES

1.

THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES AND SHRUBS SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING, STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. AN APPROVED REPRESENTATIVE WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES.
2.

THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
3.

NO PLANT MATERIAL OR PLANT SIZE SUBSTITUTIONS WILL BE ACCEPTED WITHOUT APPROVAL BY THE LANDSCAPE ARCHITECT. ANY CHANGES SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION.
4.

ALL BNB STOCK SHALL BE NURSERY GROWN IN A CLAY LOAM SOIL FOR A MINIMUM OF THREE GROWING SEASONS WITHIN 200 MILES OF PROJECT LOCATION, IN A ZONE COMPATIBLE WITH USDA HARDINESS ZONE 5A. SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION. EXISTING SOIL SHALL BE AMENDED PER SOIL ANALYSIS REPORT TO ENSURE A PROPER GROWING MEDIUM IS ACHIEVED.
5.

ALL PLANT MATERIAL SHALL COMPLY WITH STANDARDS DESCRIBED IN AMERICAN STANDARD OF NURSERY STOCK - Z60.1 ANSI. LANDSCAPE ARCHITECT OR OWNERS AUTHORIZED REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND POTENTIALLY REJECT ANY PLANT MATERIAL DEEMED TO NOT MEET THE REQUIRED STANDARDS.
6.

ALL STOCK SHALL BE FREE OF DISEASES AND HARMFUL INSECTS, DAMAGE, DISORDERS AND DEFORMITIES.
7.

TREES SHALL HAVE SINGLE, STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. MUTLI-STEM TREES SHALL HAVE 3-4 STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. HEIGHT-TO-CALIPER RATIOS SHALL BE CONSISTENT WITH THE LATEST EDITION OF ANSI Z60.1.
8.

ROOT SYSTEMS SHALL BE LARGE ENOUGH TO ALLOW FOR FULL RECOVERY OF THE TREE, AND SHALL CONFORM TO STANDARDS AS THEY APPEAR IN THE MOST CURRENT REVISION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S AMERICAN STANDARD OF NURSERY STOCK ANSI Z60.1.
9.

BNB TREES SHALL BE DUG WITH A BALL OF SOIL, NOT SOFT BALLED OR POTTED AND SHALL BE FIRM IN THEIR ROOTBALL. ROOT BALL SHALL BE WRAPPED (WITH BIODEGRADABLE MATERIAL). THE TREE ROOT FLARE, OR COLLAR, SHALL BE AT OR WITHIN THE TOP THREE INCHES OF GRADE.
10.

ALL SPRING TREES MUST BE FRESHLY DUG IN THE MOST RECENT SPRING.
11.

ALL AUTUMN TREES MUST BE FRESHLY DUG IN THE MOST RECENT AUTUMN.
12.

TREES SHALL BE ALIVE, HEALTHY AND APPROPRIATELY MOIST, AT TIME OF DELIVERY. TREES SHALL BE SUBJECT TO INSPECTION FOR CONFORMITY TO SPECIFICATION REQUIREMENTS AND APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE. THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY TREES THAT DO NOT MEET THE SPECIFICATIONS OR THAT HAVE BEEN DAMAGED DURING SHIPMENT. THE LANDSCAPE INSTALLER MUST RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY SUBSTITUTIONS OR ALTERATIONS.
13.

ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH PLANTING DETAILS.
14.

ALL PLANTING BEDS SHALL HAVE A MINIMUM 10" DEPTH OF PREPARED SOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 10" OF SOIL. REFER TO SOIL PLACEMENT NOTES.
15.

WHILE PLANTING TREES AND SHRUBS, BACKFILL $\frac{2}{3}$ OF PLANTING HOLE AND WATER TREE THOROUGHLY BEFORE INSTALLING THE REMAINDER OF SOIL MIXTURE. AFTER ALL SOIL HAS BEEN PLACED INTO THE PLANTING HOLE WATER THOROUGHLY AGAIN.
16.

THE CONTRACTOR MUST LABEL ALL TREES WITH THE COMMON AND BOTANICAL NAMES PRIOR TO FINAL INSPECTION.
17.

ALL PLANTING BEDS SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH, AND ALL TREES PLANTED IN TURF AREAS SHALL RECEIVE A 3" DEEP SHREDDED HARDWOOD MULCHED RING AS SHOWN IN PLANTING DETAILS.
18.

ALL PLANTING BEDS AND TREE RINGS SHALL HAVE A 4" DEEP TRENCHED BED EDGE CREATED BY EITHER A FLAT LANDSCAPE SPADE OR MECHANICAL EDGER. BED EDGES ARE TO BE CUT CLEAN AND SMOOTH AS SHOWN ON LANDSCAPE PLANS WITH A CLEAR DEFINITION BETWEEN TURF AND PLANTING AREAS.
19.

ALL TURF SEED AREAS SHALL RECEIVE A MINIMUM OF 6" DEPTH OF TOPSOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 6" OF SOIL AS INDICATED IN THE SOIL PLACEMENT NOTES. REQUIRED AMENDMENTS SHALL BE DETERMINED BASED ON A SOIL ANALYSIS TO BE PERFORMED. ALL TOPSOIL AMENDMENT SHALL BE AGED WEED FREE MANURE OR CLASS 1 ORGANIC MATTER.
20.

FOR LAWN SEEDING, APPLY A STARTER FERTILIZER AND SEED UNIFORMLY AT THE RATE RECOMMENDED BY MANUFACTURER, AND PROVIDE A MULCH COVERING THAT IS SUITABLE TO PROMOTE SEED GERMINATION AND TURF ESTABLISHMENT. CONTRACTOR TO PROVIDE FERTILIZER, SEED, AND MULCH SPECIFICATIONS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. EROSION CONTROL MEASURES ARE TO BE INSTALLED IN THOSE AREAS REQUIRING STABILIZATION (SWALES, SLOPES EXCEEDING 1:3, AND THOSE LOCATIONS INDICATED IN CIVIL DRAWINGS).
21.

THE CONTRACTOR TO ENSURE A SMOOTH, UNIFORM QUALITY TURF IS ACHIEVED WITH NO BARE SPOTS LARGER THAN 6" X 6". ANY BARE SPOTS LARGER THAN 6" X6" AT THE END OF ESTABLISHMENT PERIOD SHALL BE RESEEDD AT THE CONTRACTORS EXPENSE TO OBTAIN A DENSE, UNIFORM LAWN.
22.

ALL FINISH GRADING AND LAWN AREAS TO BE INSTALLED BY LANDSCAPE CONTRACTOR.
23.

ALL DISTURBED AREAS WITHIN THE PROJECT SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
24.

ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
25.

THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INCLUDING ANY IRRIGATION LINES, PRIOR TO DIGGING. CONSULT DIGGERS HOTLINE.

26.

TREES SHALL BE INSTALLED NO CLOSER THAN:

-10 FEET FROM ANY FIRE HYDRANT
- 7 FEET FROM STORM SEWER, SANITARY SEWER LATERALS, DRIVEWAYS, AND WATER SERVICE
27.

THE CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS
28.

THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES NECESSARY FOR THE INSTALLATION OF THIS PLAN.
29.

THE CONTRACTOR IS TO REVIEW ALL SITE ENGINEERING DOCUMENTS PRIOR TO INSTALLATION. ANY CONFLICTS MUST BE REPORTED TO THE LANDSCAPE ARCHITECT. THESE LANDSCAPE DRAWINGS ARE FOR THE INSTALLATION OF PLANT MATERIALS ONLY UNLESS OTHERWISE STATED.
30.

THE CONTRACTOR SHALL PROVIDE WATERING AND MAINTENANCE SERVICES FOR A PERIOD OF 60 DAYS TO ENSURE VEGETATIVE ESTABLISHMENT. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUPPLY THE OWNER IN WRITING WITH ONGOING WATERING AND MAINTENANCE INSTRUCTIONS.
31.

PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM TIME OF OWNER ACCEPTANCE. ONLY ONE REPLACEMENT PER PLANT WILL BE REQUIRED DURING THE WARRANTY PERIOD EXCEPT IN THE EVENT OF FAILURE TO COMPLY WITH THE SPECIFIED REQUIREMENTS.
32.

THE CONTRACTOR IS RESPONSIBLE TO CONDUCT A FINAL WALK THROUGH WITH THE LANDSCAPE ARCHITECT AND OR OWNERS REPRESENTATIVE TO ANSWER QUESTIONS, PROVIDE INSTRUCTIONS, AND ENSURE THAT PROJECT REQUIREMENTS HAVE BEEN MET.

SOIL PLACEMENT NOTES

1.

LOOSEN SUBGRADE TO A MINIMUM DEPTH INDICATED IN PLANTING NOTES USING A CULTI-MULCHER OR SIMILAR EQUIPMENT, AND REMOVE STONES MEASURING OVER 1-1/2 INCHES IN ANY DIMENSION, STICKS, RUBBISH AND OTHER EXTRANEIOUS MATTER. AREAS ADJACENT TO WALKS AND PAVEMENT SHALL BE FREE OF EXCESS STONE AND PAVING MATERIALS SO AS TO PROVIDE AN UNINTERRUPTED CROSS SECTION OF SOIL. INTERNAL PARKING ISLANDS SHALL BE LOOSENED TO A DEPTH OF 30".
2.

THOROUGHLY BLEND PLANTING SOIL MIX FOR PLANTING BED AREAS. (1 PART EXISTING SOIL, 1 PART TOPSOIL, 1 PART ORGANIC SOIL AMENDMENT, 2.9 POUNDS PER CUBIC YARD OF 4-4-4 ANALYSIS SLOW-RELEASE FERTILIZER)
3.

TREE AND SHRUB HOLES SHALL BE FILLED WITH A PREPARED PLANTING MIXTURE OF 1 PART TOPSOIL, 2 PARTS PLANTING SOIL MIX.
4.

SPREAD SOIL AND SOIL AMENDMENTS TO DEPTH INDICATED ON DRAWINGS, BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. (FINISH GRADE OF PLANTING BEDS SHALL BE 3" BELOW ALL ADJACENT SURFACES. FINISH GRADE OF TURF SEEDING AREAS SHALL BE 1" BELOW ALL ADJACENT HARD SURFACES, WALKS, AND CURBS.)
5.

PLACE APPROXIMATELY 1/2 OF TOTAL AMOUNT OF SOIL REQUIRED. WORK INTO TOP OF LOOSENED SUBGRADE TO CREATE A TRANSITION LAYER, THEN PLACE REMAINDER OF THE SOIL. SOIL TRANSITION LAYER SHALL BE TILLED TO A MINIMUM DEPTH OF 6" BELOW THE DEPTH OF NEWLY PLACED SOIL. PARKING LOT ISLANDS SHALL BE CROWNED TO A HEIGHT OF 6" TO PROVIDE PROPER DRAINAGE UNLESS OTHERWISE NOTED.
6.

DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
7.

FINISH GRADING: GRADE SOIL TO A SMOOTH, UNIFORM SURFACE PLANE WITH A LOOSE, UNIFORMLY FINE TEXTURE.
8.

ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
9.

RESTORE PLANTING BEDS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING AND BEFORE PLANTING.

NATIVE SEEDING

ESTABLISHMENT OF A VIABLE VEGETATION COMMUNITY WITHIN THE BIO INFILTRATION BASINS WILL BE COMPLETED BY HAND-BROADCASTING OF PRE-DESIGNED SEED MIXES TO CREATE A DYNAMIC PLANTING.

PRIOR TO SEEDING:

- A.

ALL WEEDS AND EXISTING VEGETATION SHALL BE REMOVED. EXISTING VEGETATION SHALL BE TREATED WITH GLYPHOSATE OR SIMILAR HERBICIDE BY A LICENSED PROFESSIONAL. TREATMENT SHALL OCCUR A MINIMUM OF 10 DAYS PRIOR TO SEEDING/PLANTING. VEGETATION STILL ALIVE AFTER INITIAL HERBICIDE TREATMENT SHALL BE TREATED A SECOND TIME PRIOR TO TILLING INTO THE SOIL. TREATED VEGETATION SHALL BE TILLED INTO THE SOIL NO EARLIER THAN 1 DAY PRIOR TO SEEDING.
- B.

PREPARATION OF SOIL PRIOR TO SEEDING

1.

REFER TO CIVIL PLANS FOR SOIL MIXTURE.

2.

ALL FOREIGN MATERIALS LARGER THAN 1-INCH SHALL BE REMOVED FROM THE SOIL PRIOR TO SEEDING OR PLANTING.

3.

AREA SHOULD BE FREE FROM UNSIGHTLY VARIATIONS, RIDGES, AND DEPRESSIONS.

4.

AVOID DRIVING OVER THE SPECIFIED AREA WITH MACHINERY.

SPECIFICATIONS FOR HAND BROADCASTING:

SEEDING SHALL BE CONDUCTED IN LATE FALL (SEPTEMBER 1- SOIL FREEZE) SO THAT SEEDS MAY LIE DORMANT DURING THE WINTER, ALLOWING FOR STRATIFICATION, OR SPRING (MARCH 1-JUNE 1) TO ALLOW A COMPLETE GROWING SEASON TO BECOME ESTABLISHED.

A. COVER CROP

1.

ANNUAL RYE SHALL BE SPREAD AT A DENSITY OF 20 POUNDS PER ACRE DURING THE PLANTING OR SEEDING OF THE NATIVE PLANT SPECIES TO STABILIZE THE SOIL AND REDUCE THE GROWTH OF UNWANTED VEGETATION. THIS ANNUAL GRASS GROWS RAPIDLY WITHOUT COMPETING WITH THE WILDFLOWERS AND GRASSES THAT ARE PLANTED IN THE TARGET AREAS.
2.

WINTER WHEAT OR PERENNIAL RYE SHALL NOT BE USED AS A COVER CROP. THESE GRASSES MAY OUT COMPETE PRAIRIE SEEDLINGS, LEADING TO A REDUCTION IN THE SUCCESS OF THE PLANTINGS.

B. SEED MIX:

1.

MIX ALL NATIVE SEED WITH VERMICULITE ACCORDING TO AGRECOL RECOMMENDATIONS AND INSTALLATION GUIDELINES.
2.

BROADCAST HALF THE SEED OVER THE ENTIRE SITE OR TARGET AREA.
3.

BROADCAST THE OTHER HALF OF SEED PERPENDICULAR TO THE DIRECTION THAT THE FIRST HALF OF THE SEED WAS BROADCAST.
4.

COVER SEED WITH $\frac{1}{4}$ -INCH TO $\frac{1}{2}$ -INCH OF SOIL (USE ANY EXCESS SOIL FROM THE SITE) WITH RAKE OR DRAG.
5.

ROLL SITE TO ENSURE FIRM SEED-TO-GROUND CONTACT.
6.

KEEP SEED CONSTANTLY WET THROUGH GERMINATION PERIOD. GENERALLY 3 WEEKS.

ALL SEEDING SHALL BE COVERED WITH 1-INCH OF CLEAN, NON-INVASIVE STRAW (NO MARSH HAY, OR REED CANARY GRASS) WITHOUT SEEDS, WITHIN SEVEN DAYS. WHEAT, RYE, OATS, OR BARLEY ARE ACCEPTABLE FORMS OF STRAW. THOSE AREAS OF SLOPES STEEPER THAN 8:1 (EIGHT FEET HORIZONTAL TO ONE FOOT VERTICAL) SHALL BE PLANTED NO LATER THAN OCTOBER 1 AND STAKED WITH AN EROSION CONTROL BLANKET TO PREVENT EROSION.

NATIVE PLANTINGS:

WEED SUPPRESSION MEASURES:

1st YEAR - PERFORM SPOT SPRAY WITH HERBICIDE TO SUPPRESS WEEDS. THIS SHOULD OCCUR APPROXIMATELY EVERY MONTH OF THE GROWING SEASON AFTER NATIVE PLANTINGS HAVE BEEN ROUGH GRADED.

2nd YEAR - IN MAY/JUNE MOW NATIVE PLANTINGS AT 6" HEIGHT TO SUPPRESS THE WEEDS. PERFORM SPOT SPRAY WITH HERBICIDE TO SUPPRESS WEEDS. HAVE PROFESSIONAL ASSESS PLANTINGS. REPEAT MOWING NATIVE PLANTINGS AND SPOT-SPRAY IN EARLY JULY.

3rd YEAR - IN MAY/JUNE MOW NATIVE PLANTINGS AT 8" HEIGHT TO SUPPRESS THE WEEDS. PERFORM SPOT SPRAY WITH HERBICIDE TO SUPPRESS WEEDS.

4th YEAR - IN MAY PERFORM A PRESCRIBED BURN. IN JUNE HAVE A QUALIFIED PROFESSIONAL ASSESS PLANTINGS. IF A PRESCRIBED BURN CAN NOT BE UTILIZED, NATIVE PLANTINGS SHALL BE CUT TO THE GROUND AND ALL CUT MATERIAL SHALL BE REMOVED AND DISPOSED OF OFF SITE.



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MUKWONAGO, WI

LANDSCAPE NOTES &
DETAILS

REVISIONS

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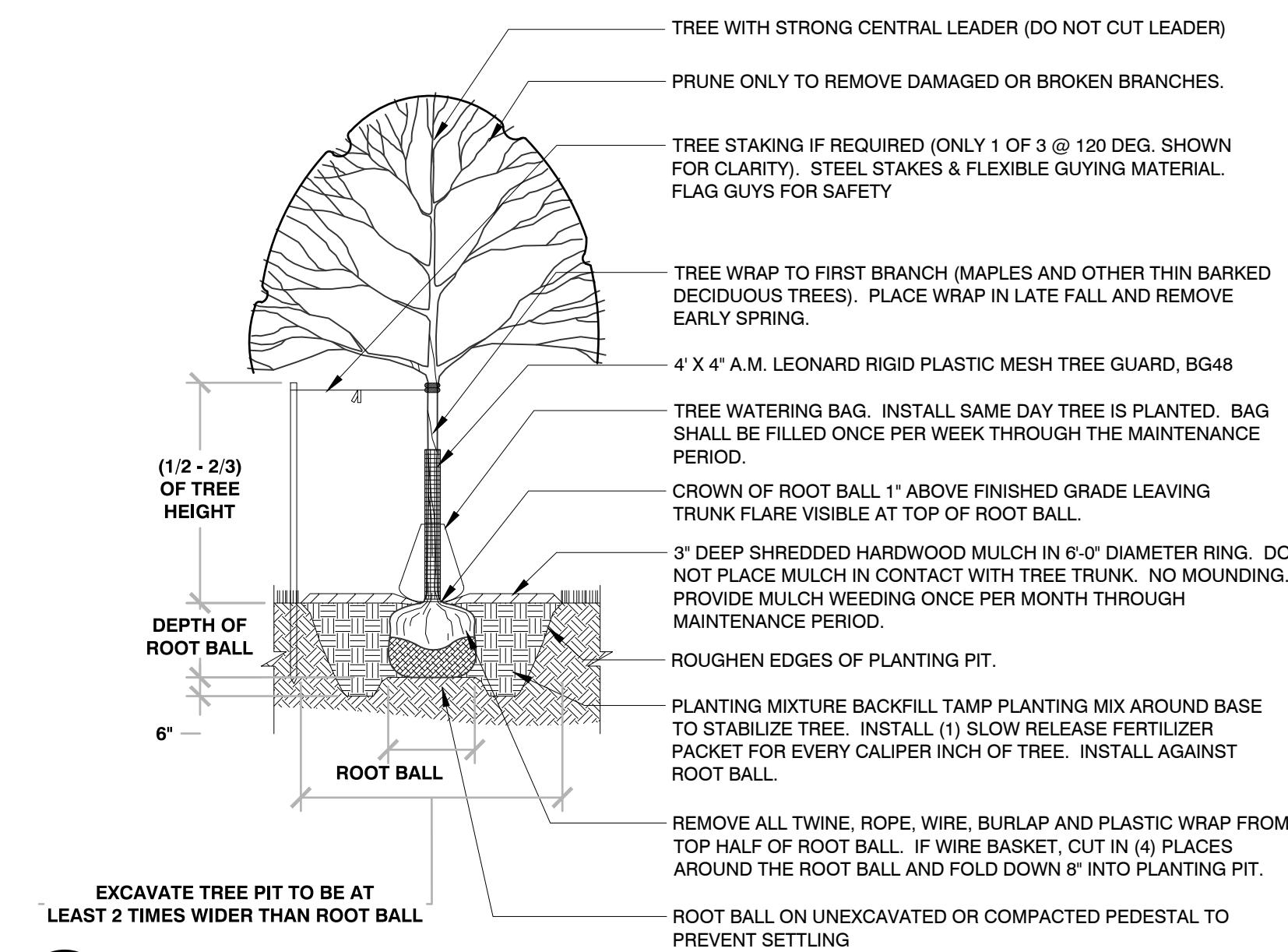
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REC PR AEK
START DATE 02/29/24
SCALE N/A

SHEET
L-5
L-6

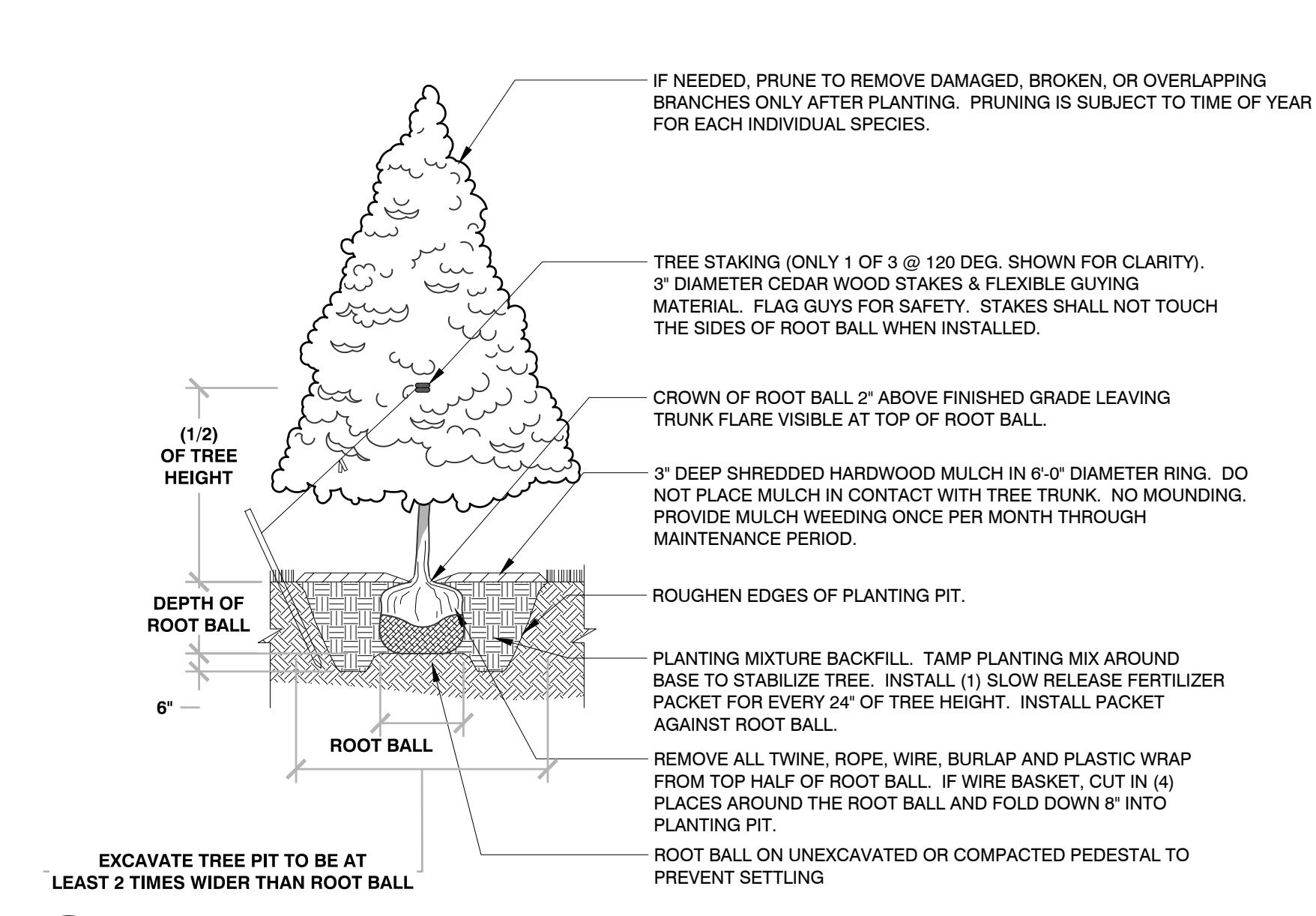
LANDSCAPE NOTES & DETAILS

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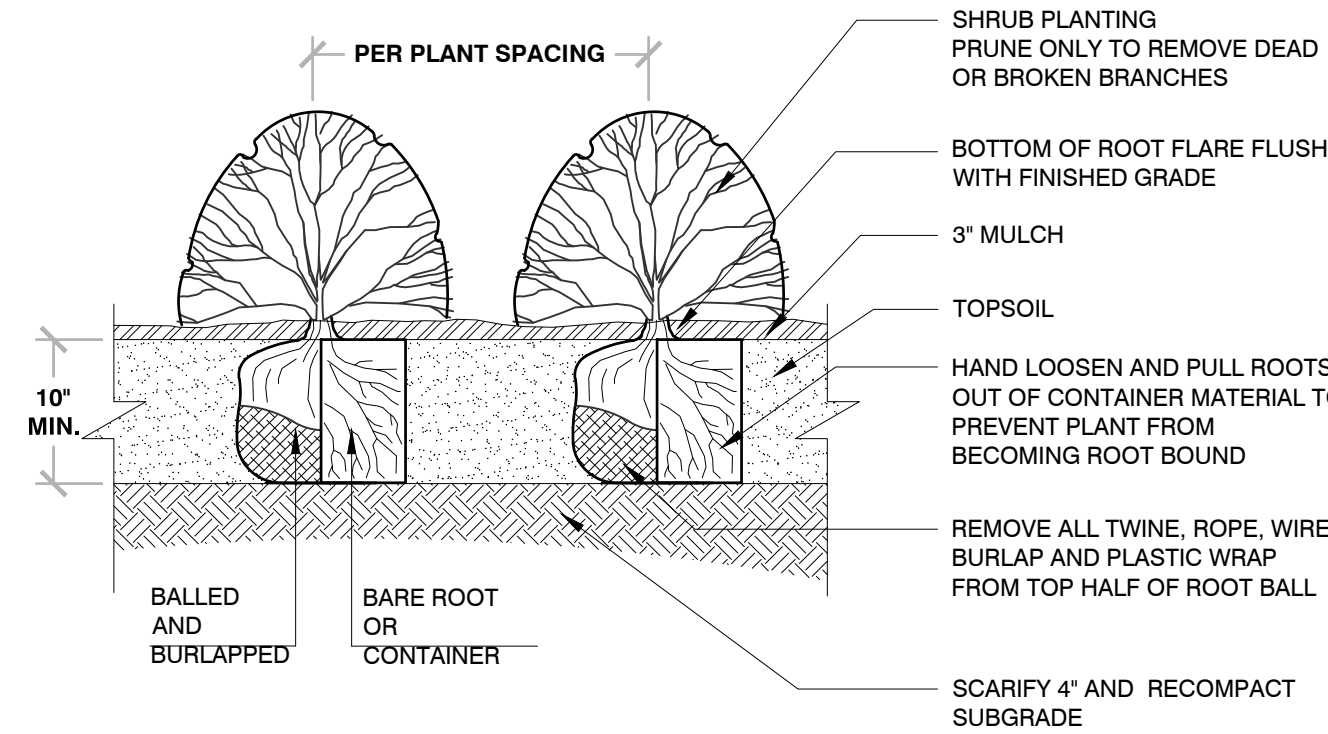
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1 TREE PLANTING



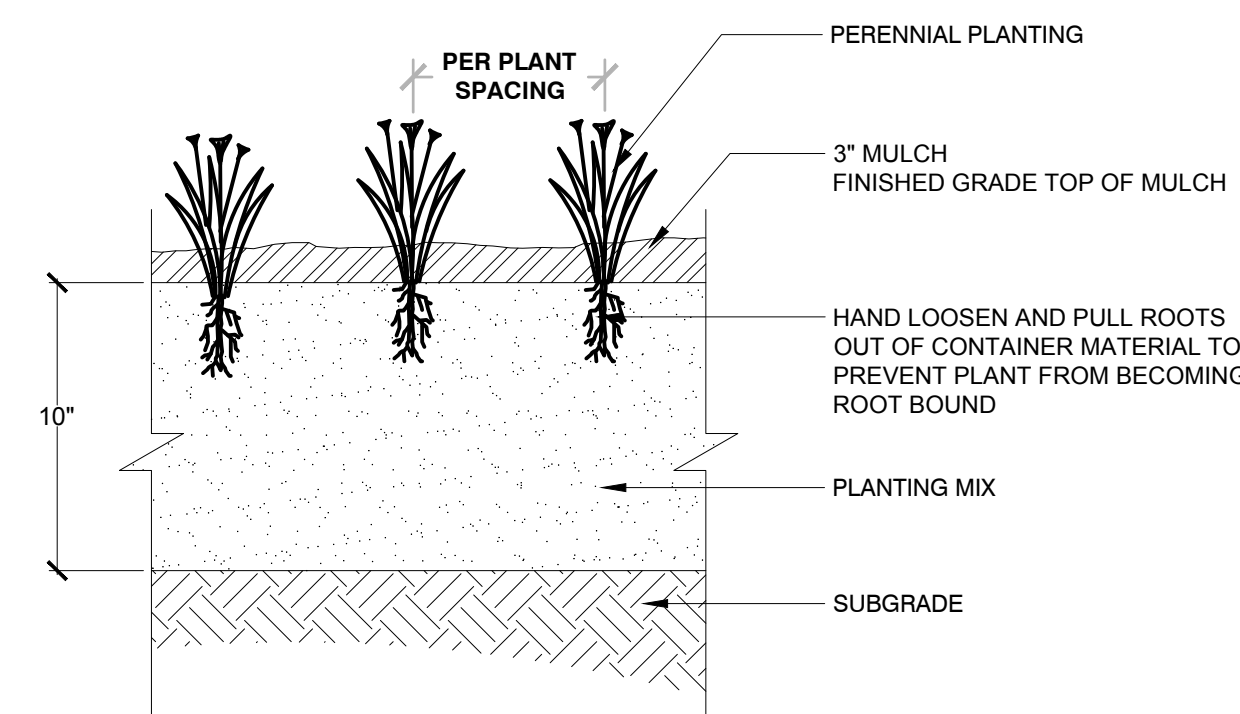
2 EVERGREEN TREE PLANTING



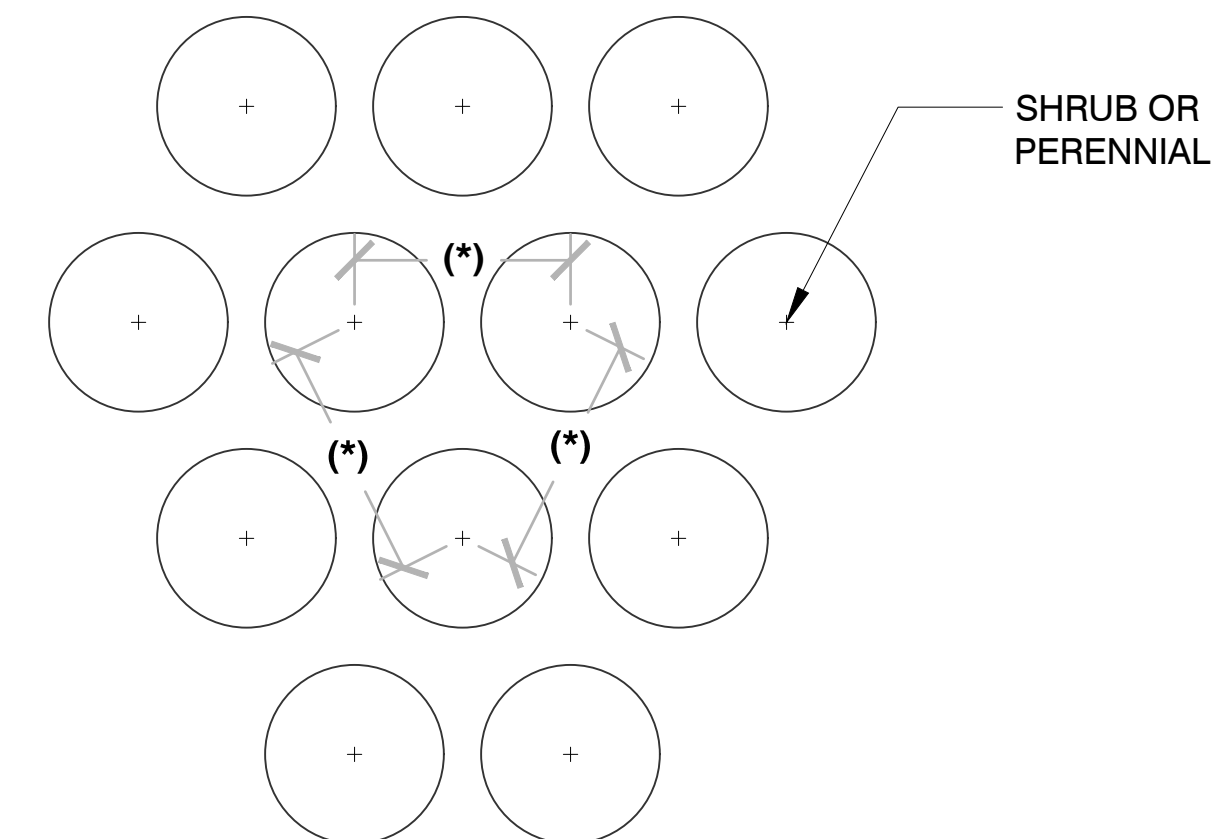
BAREROOT PLANTING NOTES

1. SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
2. SCARIFY SIDES AND BOTTOMS OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING OF THE TOP AND BOTTOM ROOTS.
4. TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. SET PLANT SO THE ROOT FLARE IS APPROXIMATELY AT THE FINISHED SOIL ELEVATION. SPREAD ROOTS OUT EVENLY. PLUMB AND IMMEDIATELY BACKFILL WITH FINISHED SOIL. TAMP.
5. WATER THOROUGHLY WITHIN 24 HOURS TO SETTLE PLANTS AND FILL VOIDS.
6. BACKFILL VOIDS AND WATER SECOND TIME.
7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

3 SHRUB PLANTING

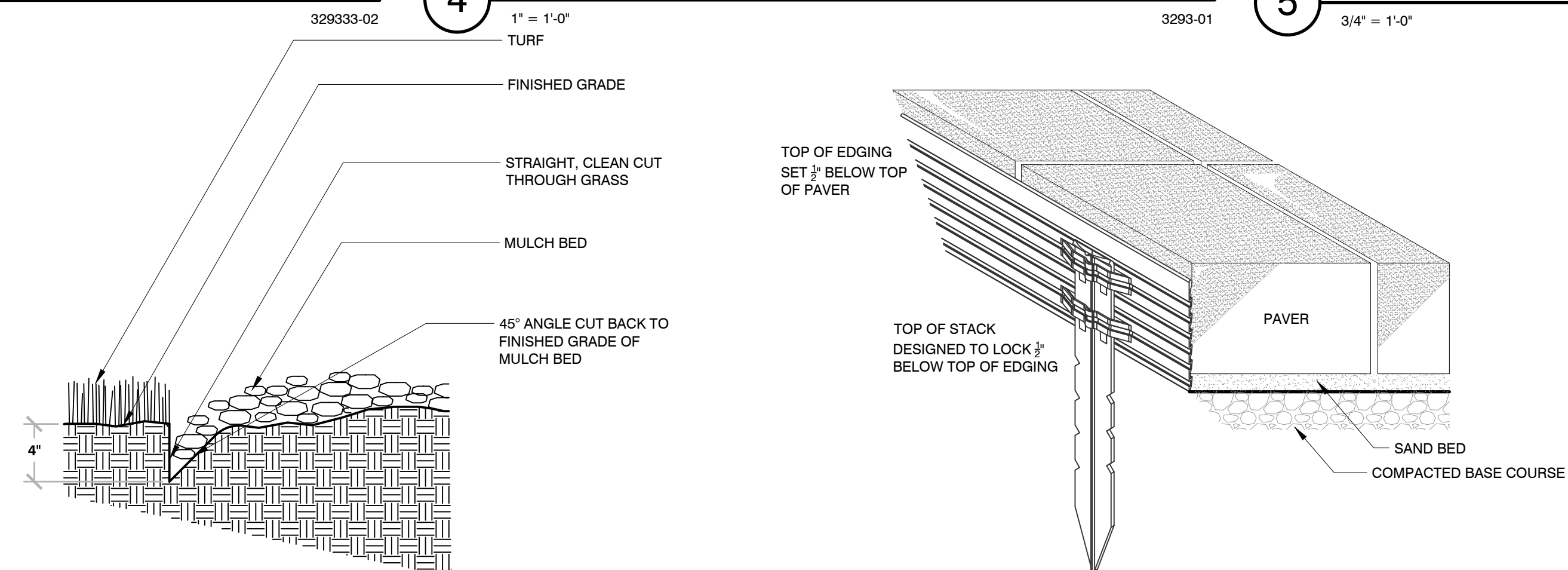


4 PERENNIAL PLANTING



(*) = SPECIFIED PLANT SPACING PER PLANTING LIST

5 PLANT SPACING
3/4" = 1'-0"



6 TRENCHED BED EDGE
3/4" = 1'-0"

7 ALUMINUM LANDSCAPE EDGING - PAVER INSTALL
3/8" = 1'-0" 329413.23-11

STORMWATER MANAGEMENT PLAN

Azura Mukwonago

Village of Mukwonago, Wisconsin

PEG Project Number: 5172.00-WI

March 29, 2024

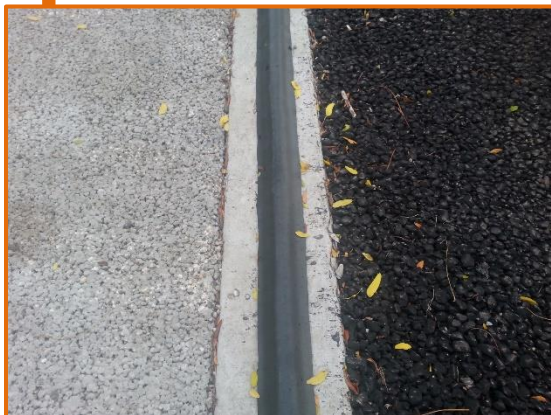


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APPENDICIES

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- Vicinity Map
- USDA SCS Soils Map

APPENDIX 2 – PRE-DEVELOPMENT CONDITIONS INFORMATION

- Hydrology Exhibit – Existing Conditions
- Hydrographs

APPENDIX 3 – POST-DEVELOPMENT CONDITIONS (RATE ATTENUATION)

- Hydrology Exhibit – Proposed Conditions
- Hydrographs

APPENDIX 4 – POST-DEVELOPMENT CONDITIONS (WATER QUALITY & INFILTRATION)

- WinSLAMM Modeling Input Data & Output Computations

APPENDIX 5 – GEOTECHNICAL STUDY RESULTS

Questions and comments can be directed to:

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Principal

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INTRODUCTION

The proposed project will consist of a 6.4 acre development for two senior living facilities. The improvements to the existing site will disturb more than 1 acre and thus will require stormwater management. The Village of Mukwonago and Wisconsin Department of Natural Resources have jurisdiction on the site with regards to stormwater requirements. Pinnacle Engineering Group has prepared a plan to meet these requirements.

DESIGN CRITERIA

Village of Mukwonago:Division 4 of the Village Municipal Code

Wisconsin Department of Natural Resources: NR 216 & NR 151

Water Quantity: Village ordinance requires peak flow reduction such that the peak flows from post construction 1- year storm does not exceed the 1-year pre-development peak discharge, the post 2-year does not exceed the pre 2-year, the post 10-year does not exceed the pre 2-year, and the post 100-year does not exceed the pre 10-year storm peak discharge volumes in 24 hour storm events.

Water Quality: The Village and DNR requirements are to remove 80% of the total suspended solids (TSS) load on an average annual basis from the runoff. The Village requires the pollutant loading data for phosphorous to be included in the stormwater management plan but does not require a specific removal rate.

Infiltration: The site category falls under medium impervious and thus the County and DNR requirements are to infiltrate 75% of the average annual pre-development infiltration volume if soils are suitable.

Protective Areas: The Village and DNR require protective areas where impervious areas are adjacent to and drain into wetlands.

EXISTING CONDITIONS

The existing drainage area is 5.92 acres and is comprised of cropland. The site generally slopes from northeast to southwest and ultimately drains to the south/southwest end of the site to an existing channel. Soils on the site are predominantly brown gravelly sand or sand and gravel which are classified as hydrologic group B soils. There are no wetlands or floodplain on this parcel (see **Appendix 2**). Soil testing indicates that there is 8-12" of dark brown clayey topsoil above native brown lean and sandy clay. See the Geotech Report in **Appendix 5** for more information. A curve number of 69 is used in existing conditions analysis per Village standards.

POST-DEVELOPMENT CONDITIONS

The proposed site consists of two senior living facilities with associated parking, utilities, and a barn. The site drainage is divided into three proposed drainage areas, one that drains to Pond 1, one that drains to Pond 2, and a small amount of undetained drainage area (see **Appendix 3**). Pond 2, located on the northern side of the site, connects to Pond 1, located at the southwest corner of site, via the proposed storm sewer system. Pond 1 will treat the runoff and then discharge to the southwestern corner of the site and will follow the same discharge flow path as the existing conditions. The pond is designed to provide the necessary peak flow reductions, water quality treatment, and infiltration requirements.

ANALYSIS METHODS

HydroCAD® (Version 10.00) software has been used to analyze stormwater characteristics for this stormwater management plan. HydroCAD uses the accepted TR-55 methodology for determining peak discharge runoff rates. Rainfall depths for the 1-year, 2-year, 10-year, and 100-year storm events are 2.40, 2.70, 3.81, and 6.18 inches in accordance with Village ordinances.

TSS reduction characteristics for the proposed water quality facilities were determined using WinSLAMM® (Version 10.4.1) Source Loading and Management Model.

SUMMARY OF RESULTS

Existing Flows

Area	Area (ac)	CN	Tc (min)	Peak Flows 1-year (cfs)	Peak Flows 2-year (cfs)	Peak Flows 10-year (cfs)	Peak Flows 100-year (cfs)
Existing Site	5.92	69	6.0*	4.38	6.41	15.37	38.72

Proposed Flows

Area	Area (ac)	CN	Tc (min)	Peak Flows 1-year (cfs)	Peak Flows 2-year (cfs)	Peak Flows 10-year (cfs)	Peak Flows 100-year (cfs)
Area to Pond 1	4.60	79	6.0*	8.08	10.27	19.07	39.46
Area to Pond 2	1.04	81	6.0*	2.08	2.60	4.65	9.32
Undetained	0.28	61	6.0*	0.05	0.11	0.42	1.36
Pond 1 Release	---	---	---	0.00	0.26	3.62	10.96
Pond 2 Release	---	---	---	1.01	1.22	1.71	2.44
Total Site Discharge	5.92	---	---	0.05	0.28	3.71	11.37

*A Tc of 6.0 min is used as it is the minimum allowed for TR55.

Basin Data

Pond	Bottom Elev.	Elev. 1-year	Elev. 2-year	<u>Peak W.S.</u>		Spillway Elev.	Top of Berm Elev.
				Elev. 10-year	Elev. 100-year		
Pond 1	839.0	840.89	841.29	842.14	843.78	---	844.0
Pond 2	841.0	841.69	841.86	842.54	843.88	---	---

The modeling indicated that each pond will adequately store and detain the runoff for the 1 though 100-year events.

Runoff Water Quality

Post-development water quality will be obtained in the ponds.

Water Quality Summary

Area/Pond	Pounds of TSS Incoming	Pounds of TSS Remaining	Percent Removal
Pond 2	356.4	230.3	35.38%
Pond 1	1035	0	100%
Undetained	4.247	4.247	0%
Total Site with Undetained	1166	4.247	99.64%

Area/Pond	Pounds of Phosphorous Incoming	Pounds of Phosphorous Remaining	Percent Removal
Total Site	2.474	0.01916	99.23%

The stormwater devices will exceed the minimum TSS removal requirements for the Village and DNR.

Infiltration

Stormwater infiltration has been incorporated into this stormwater management due to the Type B soils and sandy loam present onsite.

Infiltration Volume Summary

	Area (ac)	Total Rain Volume (ac-ft)	Runoff Volume (ac-ft)	Infiltration Volume (ac-ft)
Existing	5.92	14.27	0.33	13.94
Proposed	5.92	14.27	0.007	14.26

The required post-development infiltration volume is 75% of the pre-development infiltration volume which is $13.94 \text{ ac-ft} \times 0.75 = 10.46 \text{ ac-ft}$. The post-development infiltration volume exceeds the minimum required by 3.80 ac-ft.

Protective Areas

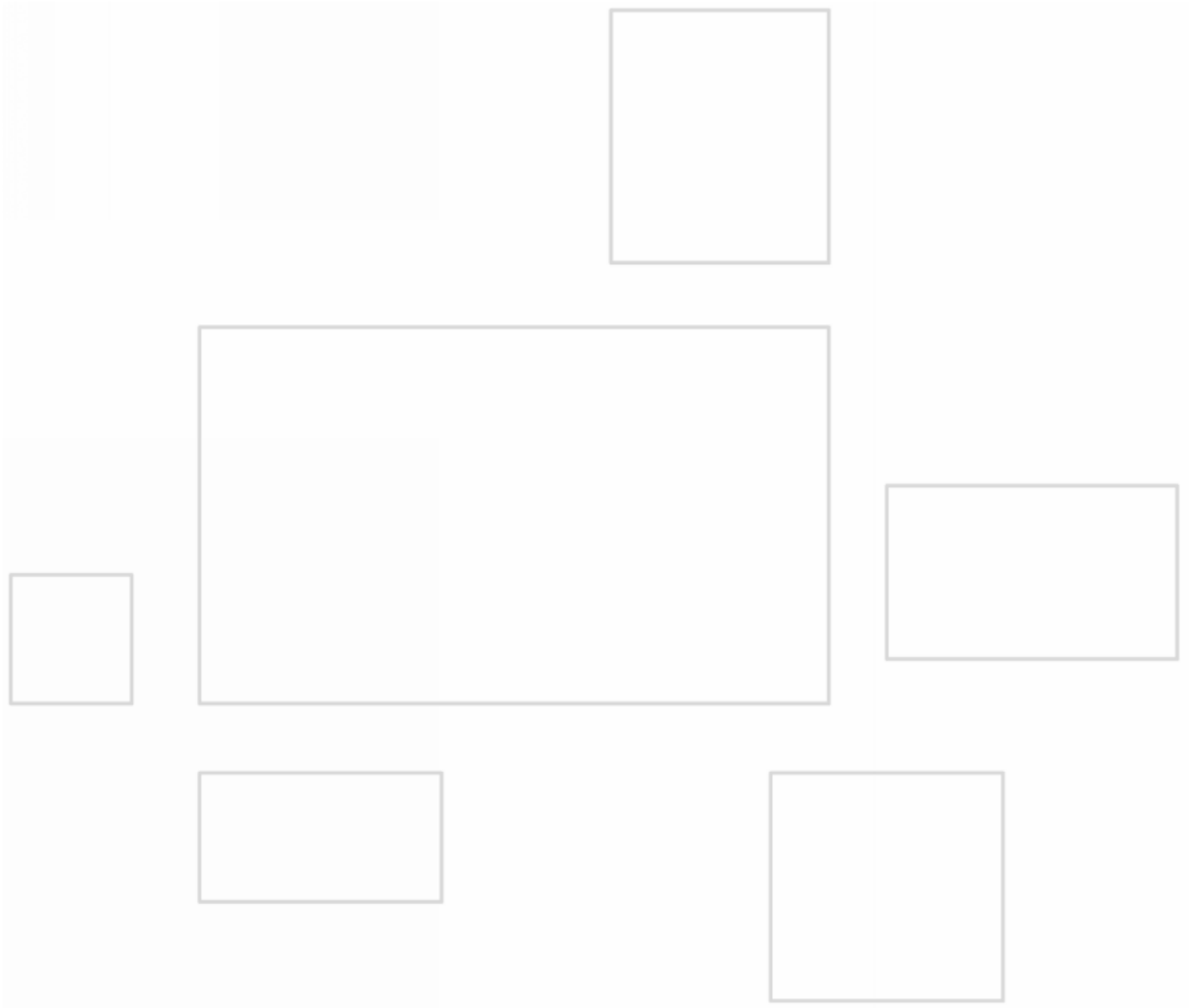
There are no wetlands on or adjacent to the site. Therefore, protective areas do not apply to this design.

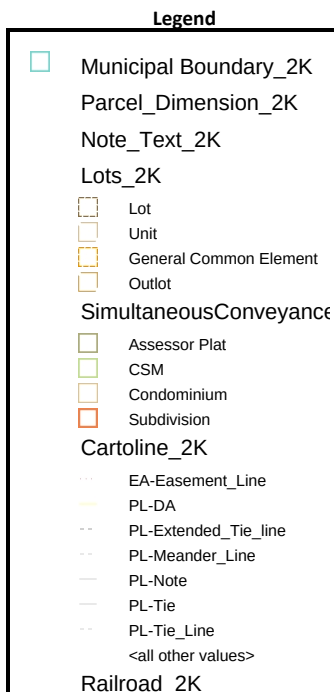
CONCLUSION

The stormwater management features for the development have been designed to comply with the requirements of the Village of Mukwonago and the WDNR. This includes peak flow reduction, water quality, and infiltration. The proposed series of ponds will serve to meet all these goals. Maintenance is expected to occur on a regular basis. A maintenance agreement will be executed to ensure this occurs.

APPENDIX 1

MAPS





The information and depictions herein are for informational purposes and Waukesha County specifically disclaims accuracy in this reproduction and specifically admonishes and advises that if specific and precise accuracy is required, the same should be determined by procurement of certified maps, surveys, plats, Flood Insurance Studies, or other official means. Waukesha County will not be responsible for any damages which result from third party use of the information and depictions herein, or for use which ignores this warning.

Printed: 3/29/2024



Soil Map—Milwaukee and Waukesha Counties, Wisconsin



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Milwaukee and Waukesha Counties, Wisconsin

Survey Area Data: Version 19, Sep 8, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 30, 2022—Aug 18, 2022

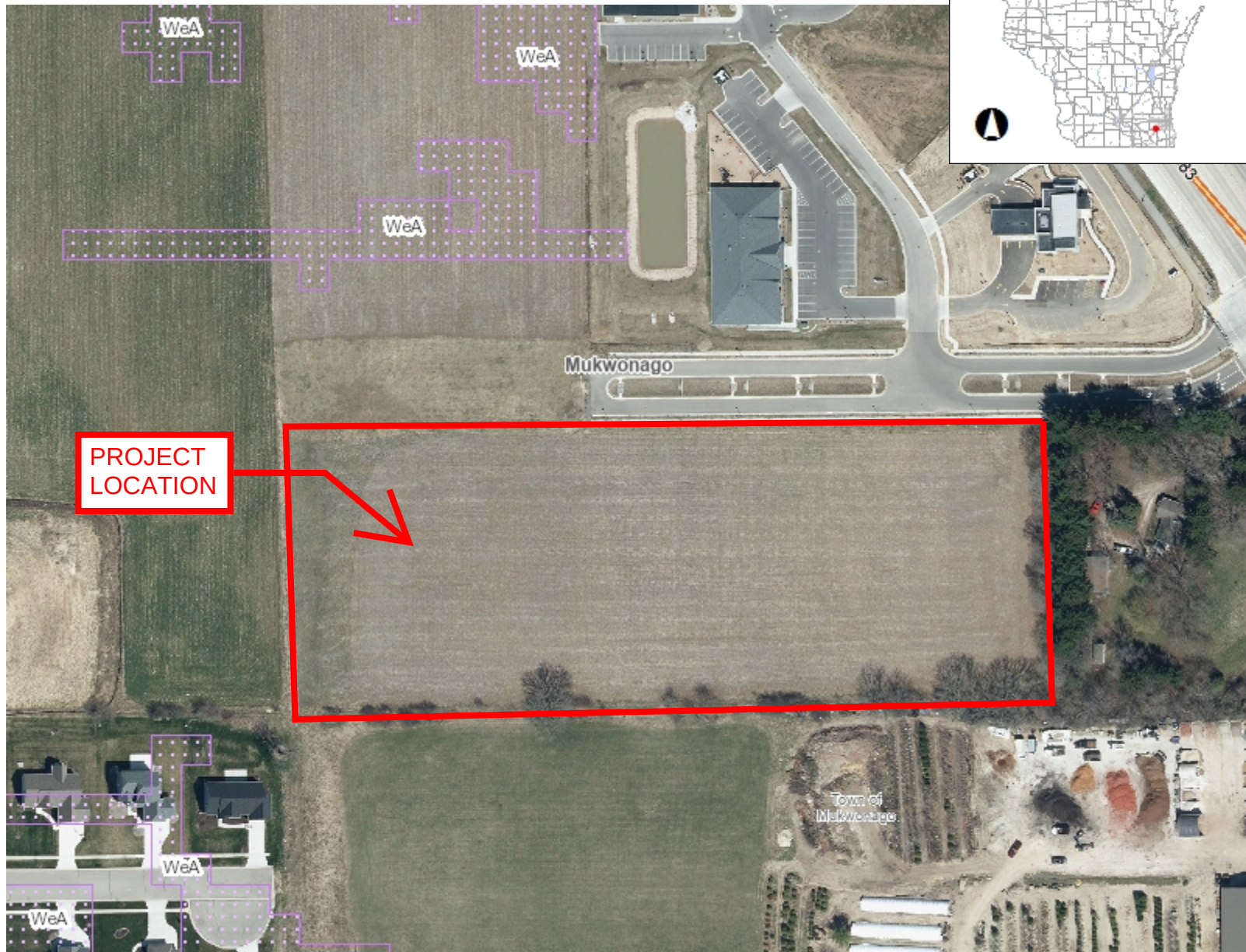
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MxB	Miami loam, sandy loam substratum, 2 to 6 percent slopes	3.2	56.4%
WeA	Warsaw loam, 0 to 2 percent slopes	2.5	43.6%
Totals for Area of Interest		5.7	100.0%



Surface Water Data Viewer Map



Legend

- Wetland Indicators
- Lake Class Areas
- Riverine/ditch Class Areas
- Wetland Class Areas
- Wetland Class Points
 - Dammed pond
 - Excavated pond
 - Filled/draind wetland
 - Wetland too small to delineate
 - Filled excavated pond
- Filled Points
- Wetland Class Areas
- Filled Areas
- Wetland Identifications and Confirmations
- NRCS Wetspots
- Railroads

Notes

0.1 0 0.03 0.1 Miles

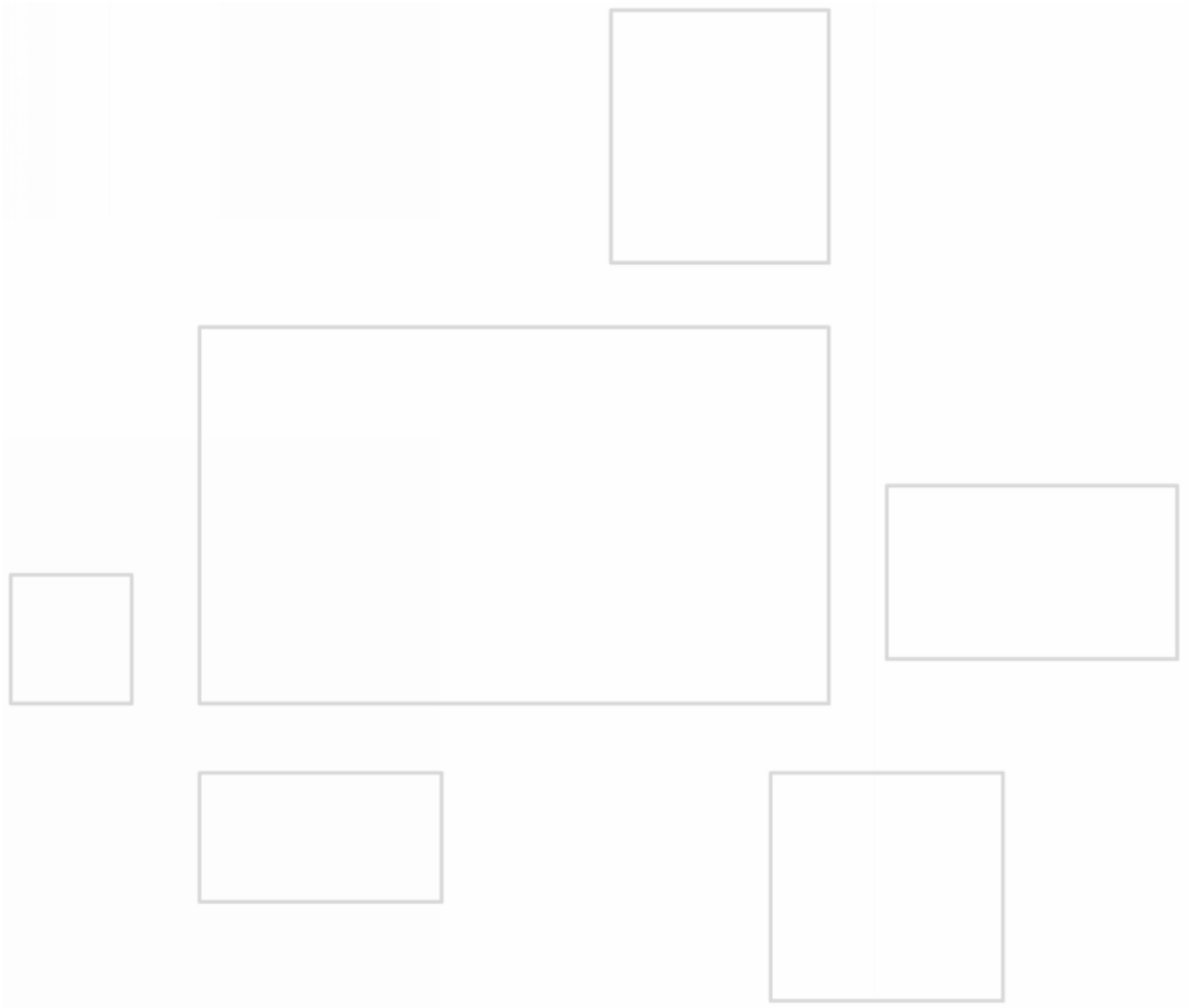
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1: 1,980

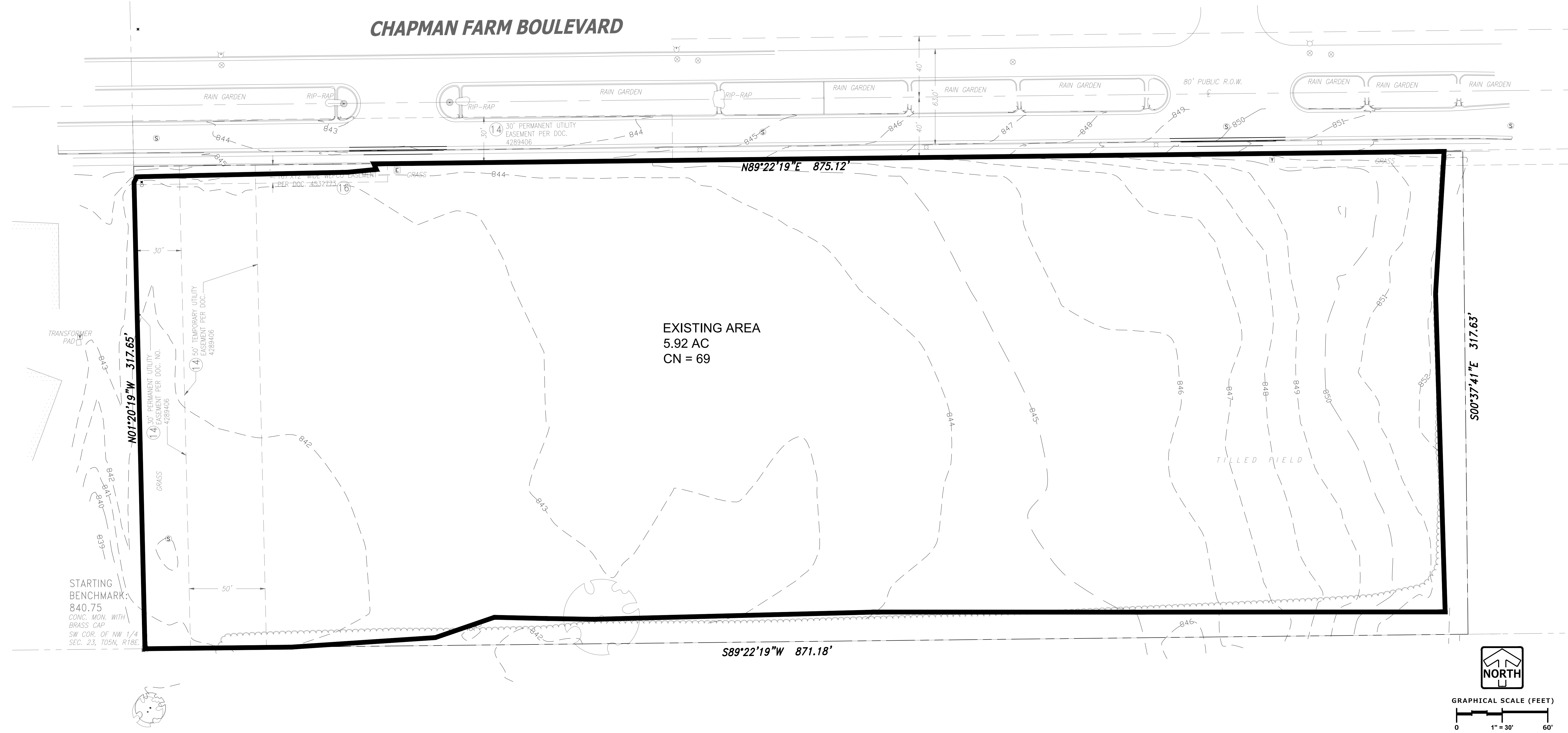
DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>

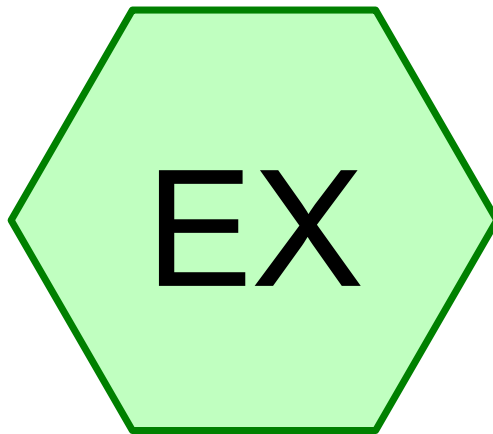
APPENDIX 2

PRE DEVELOPMENT CONDITIONS

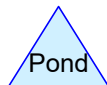
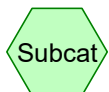


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EXISTING DRAINAGE AREA



Routing Diagram for 2024-03-20 5172 AZURA MUKWONAGO
Prepared by PINNACLE ENGINEERING GROUP, Printed 3/29/2024
HydroCAD® 10.00-22 s/n 07894 © 2018 HydroCAD Software Solutions LLC

Summary for Subcatchment EX: EXISTING DRAINAGE AREA

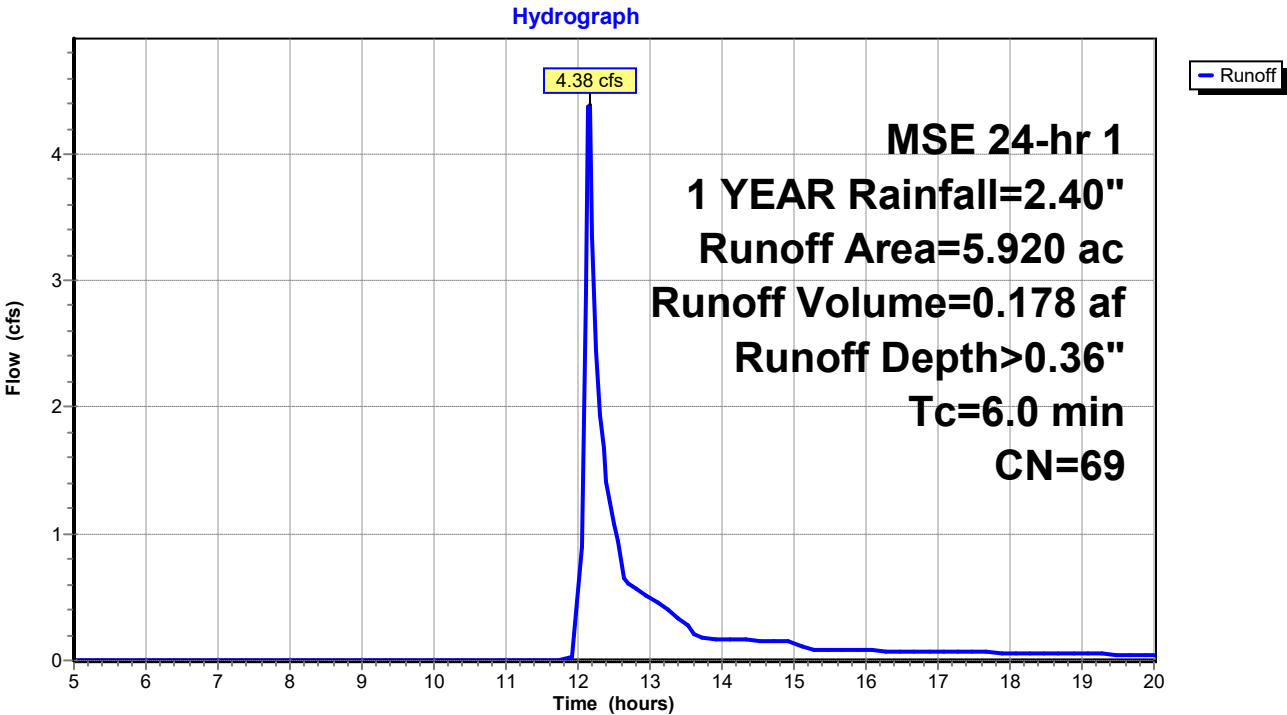
Runoff = 4.38 cfs @ 12.15 hrs, Volume= 0.178 af, Depth> 0.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 1 YEAR Rainfall=2.40"

Area (ac)	CN	Description
* 5.920	69	Per NR 151 Max CN for AG land with Bsoil
5.920		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment EX: EXISTING DRAINAGE AREA



Summary for Subcatchment EX: EXISTING DRAINAGE AREA

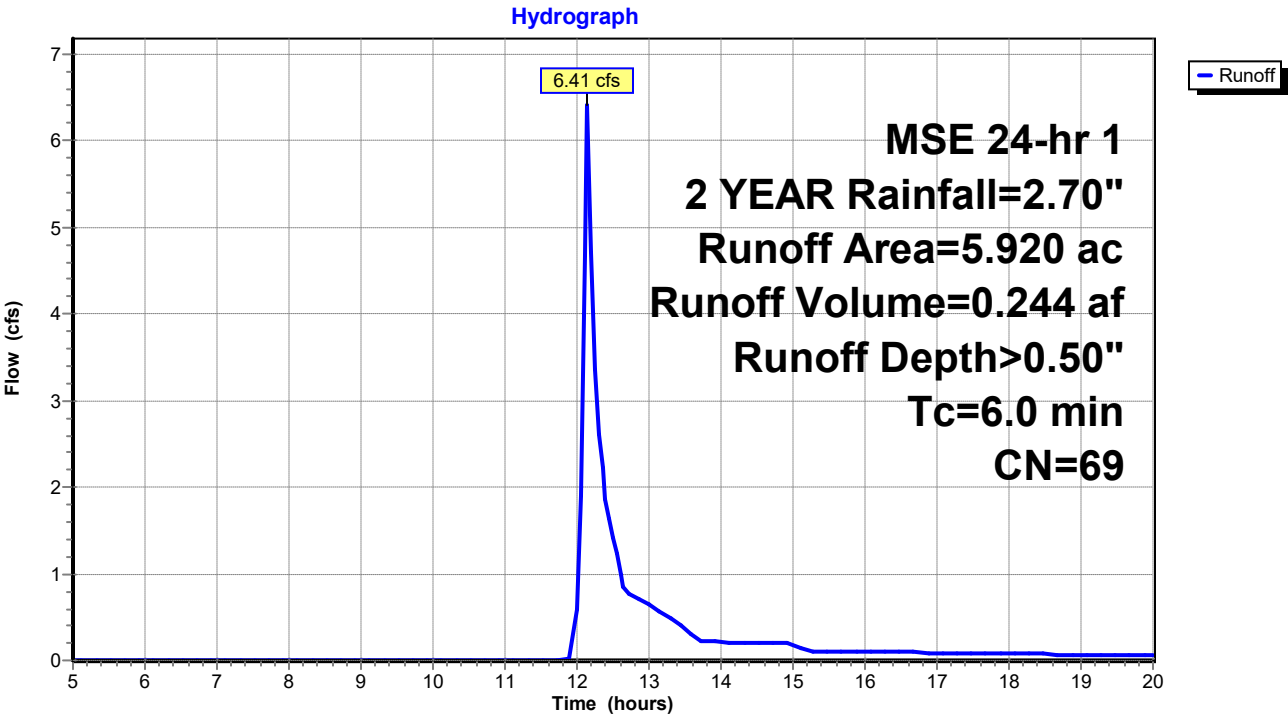
Runoff = 6.41 cfs @ 12.15 hrs, Volume= 0.244 af, Depth> 0.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 2 YEAR Rainfall=2.70"

Area (ac)	CN	Description
* 5.920	69	Per NR 151 Max CN for AG land with Bsoil
5.920		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment EX: EXISTING DRAINAGE AREA



Summary for Subcatchment EX: EXISTING DRAINAGE AREA

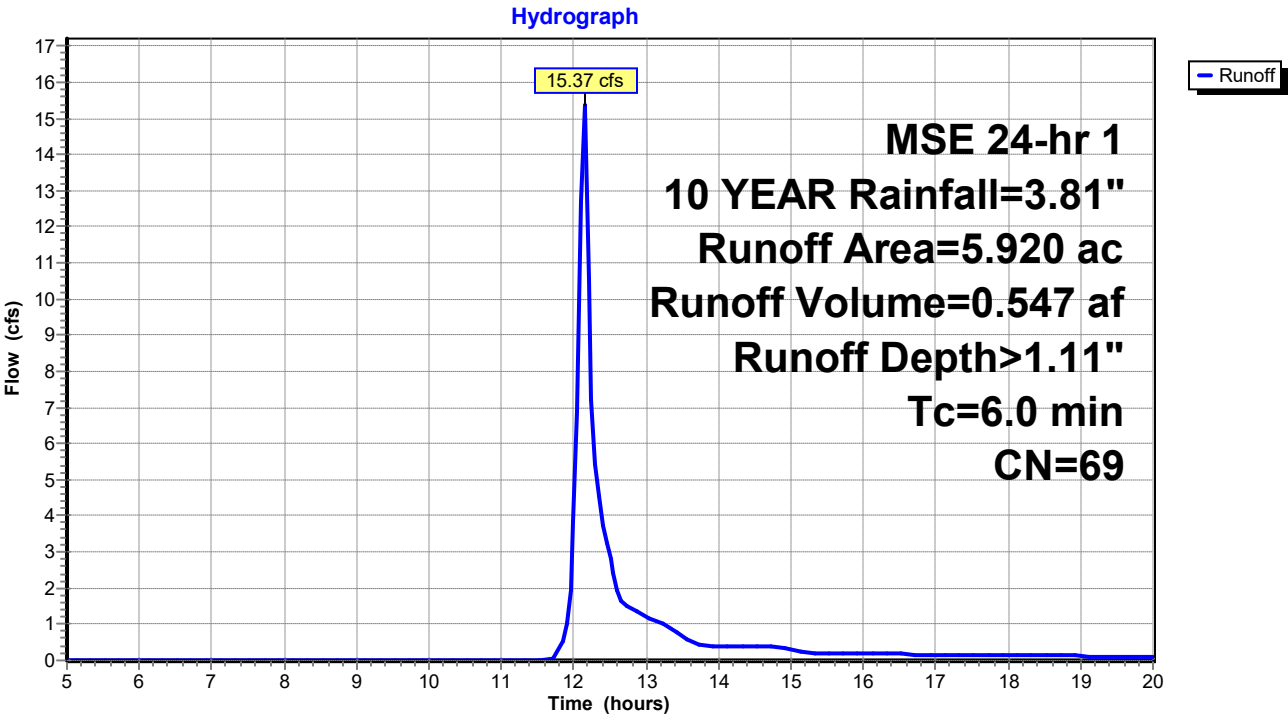
Runoff = 15.37 cfs @ 12.14 hrs, Volume= 0.547 af, Depth> 1.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 10 YEAR Rainfall=3.81"

Area (ac)	CN	Description
* 5.920	69	Per NR 151 Max CN for AG land with Bsoil
5.920		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment EX: EXISTING DRAINAGE AREA



Summary for Subcatchment EX: EXISTING DRAINAGE AREA

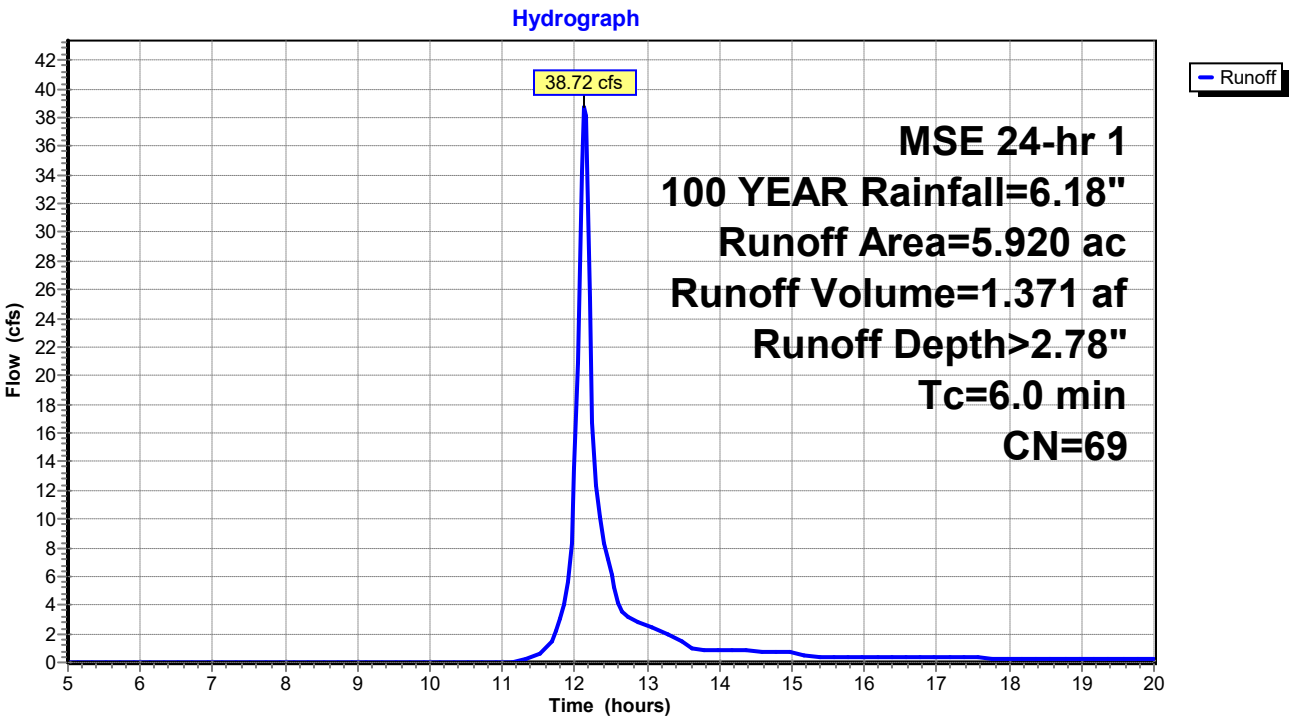
Runoff = 38.72 cfs @ 12.14 hrs, Volume= 1.371 af, Depth> 2.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 100 YEAR Rainfall=6.18"

Area (ac)	CN	Description
* 5.920	69	Per NR 151 Max CN for AG land with Bsoil
5.920		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

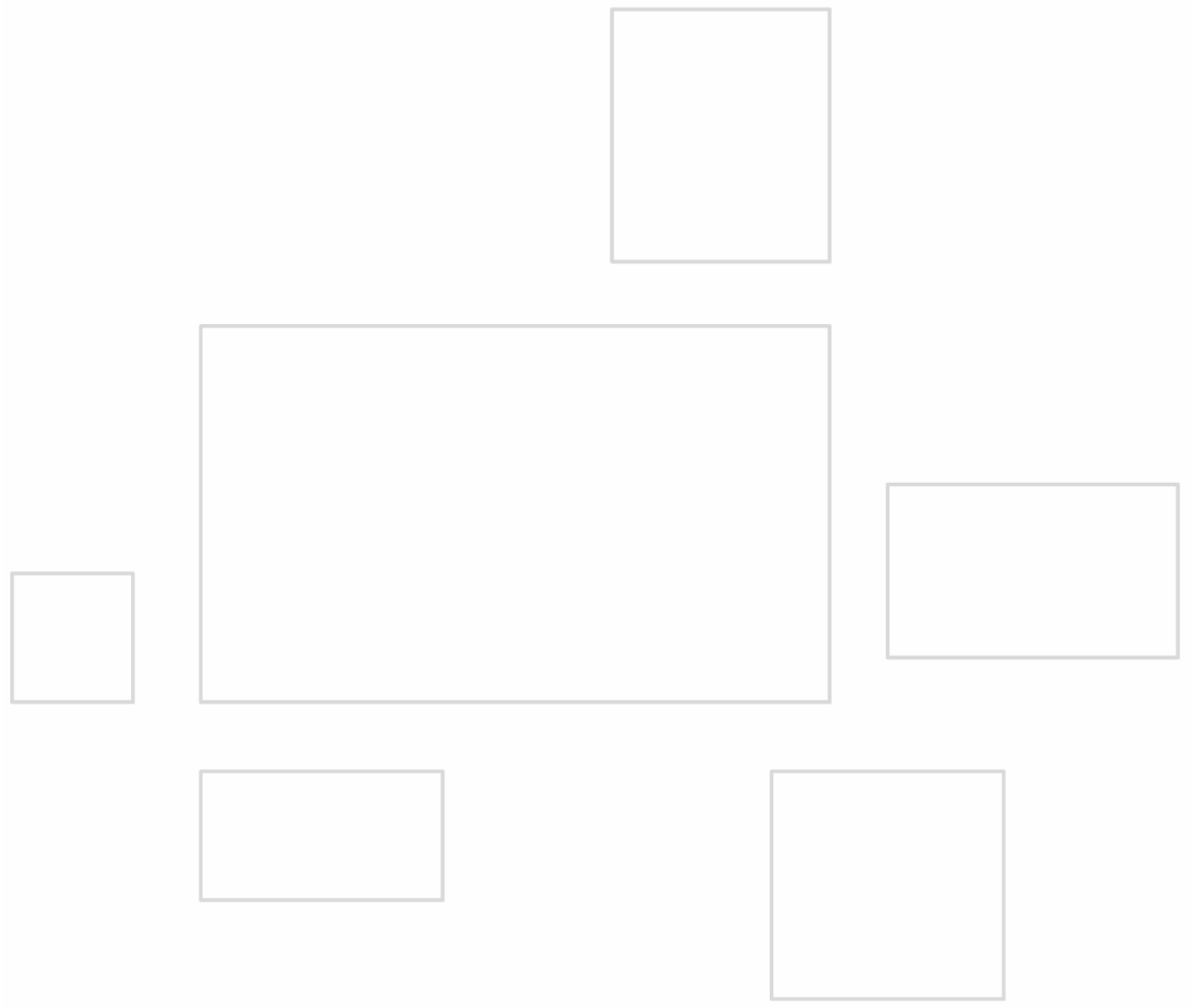
Subcatchment EX: EXISTING DRAINAGE AREA



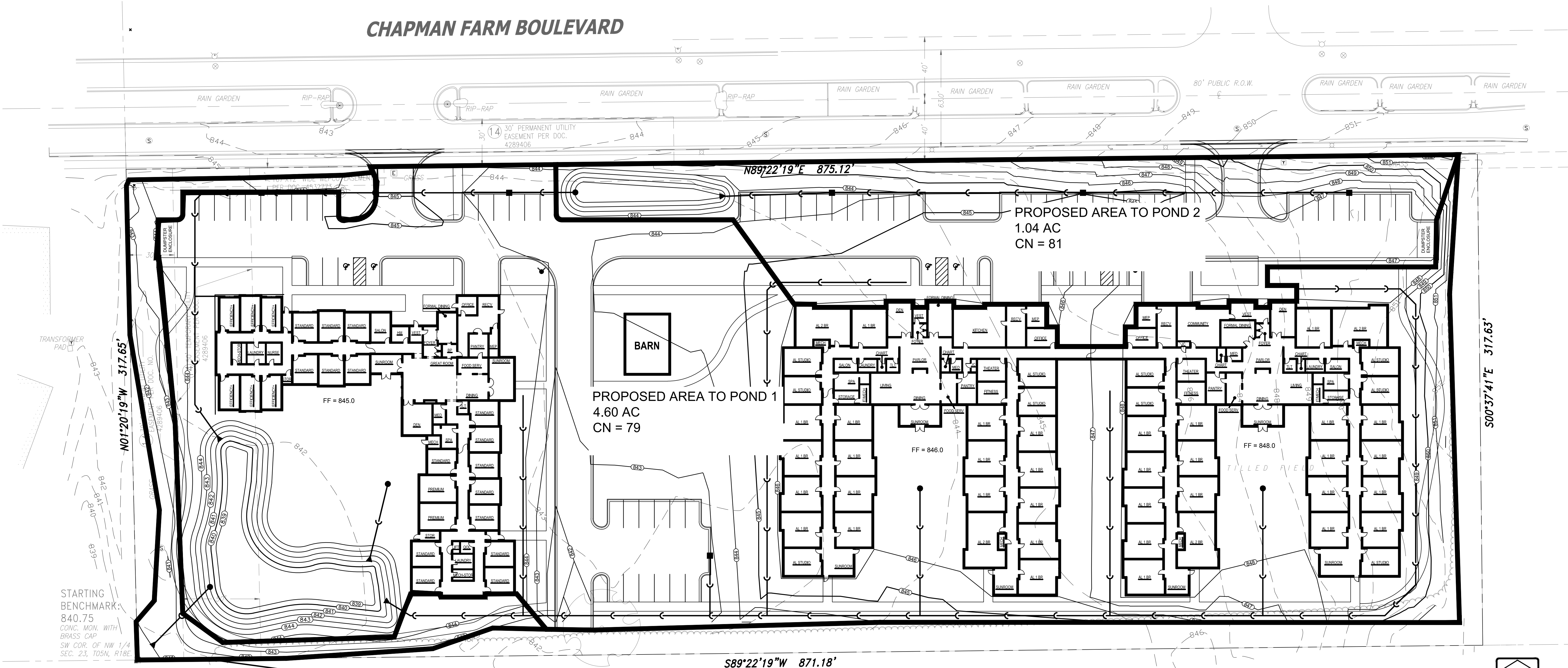
APPENDIX 3

POST DEVELOPMENT CONDITIONS

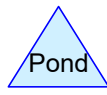
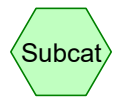
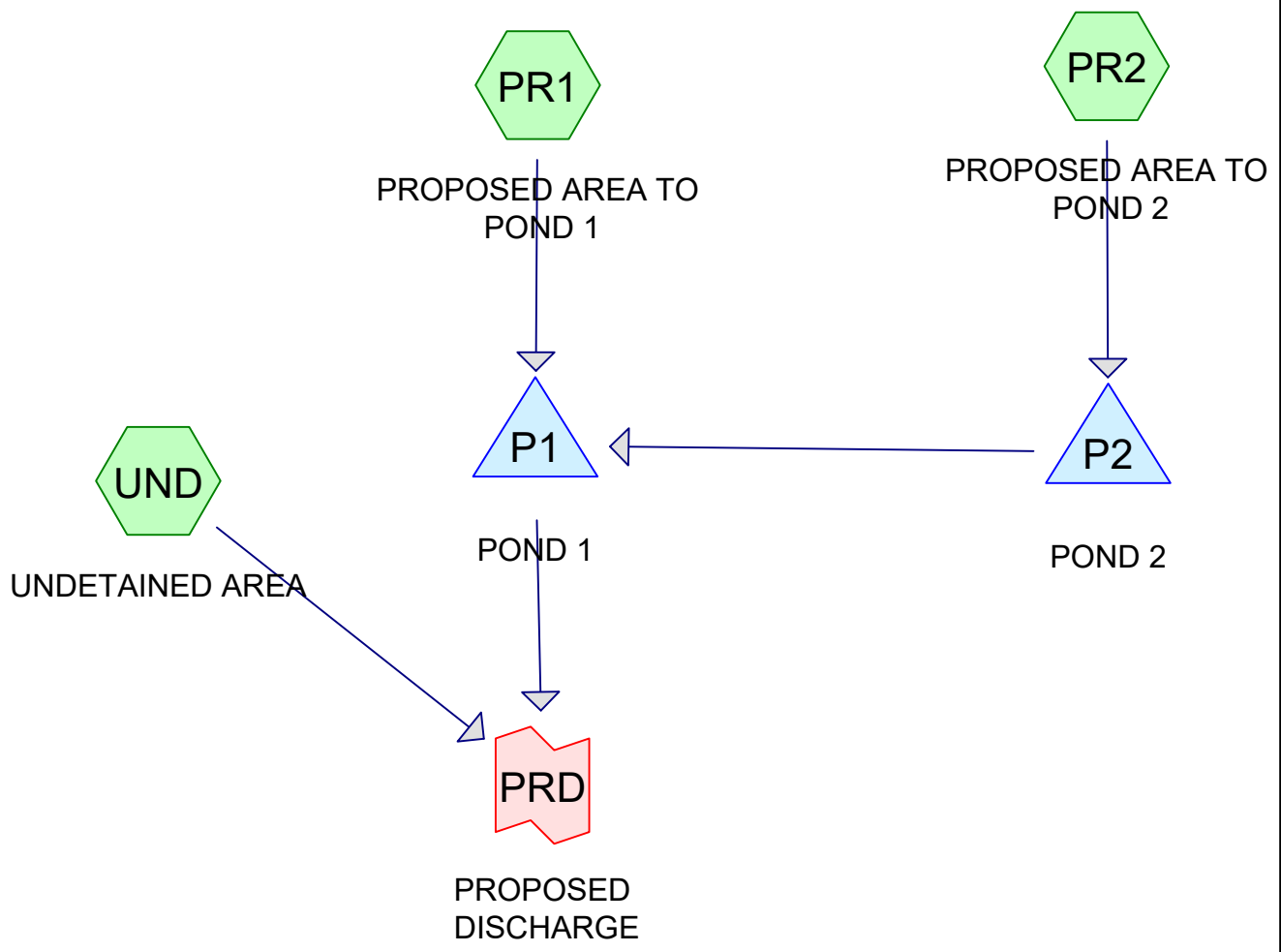
RATE ATTENUATION



CHAPMAN FARM BOULEVARD



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Routing Diagram for 2024-03-20 5172 AZURA MUKWONAGO
 Prepared by PINNACLE ENGINEERING GROUP, Printed 3/29/2024
 HydroCAD® 10.00-22 s/n 07894 © 2018 HydroCAD Software Solutions LLC

Summary for Subcatchment PR1: PROPOSED AREA TO POND 1

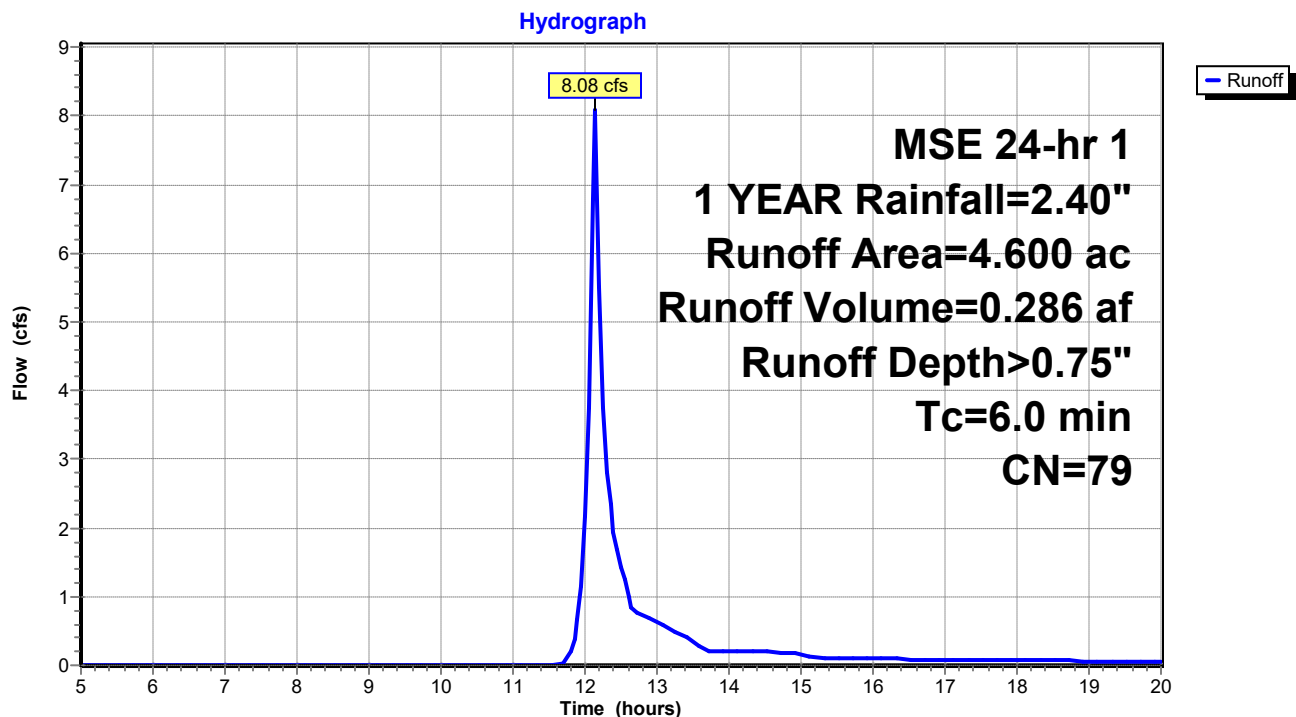
Runoff = 8.08 cfs @ 12.14 hrs, Volume= 0.286 af, Depth> 0.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 1 YEAR Rainfall=2.40"

Area (ac)	CN	Description
* 1.600	98	ROOF
* 0.660	98	PAVEMENT
2.340	61	>75% Grass cover, Good, HSG B
4.600	79	Weighted Average
2.340		50.87% Pervious Area
2.260		49.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PR1: PROPOSED AREA TO POND 1



Summary for Subcatchment PR2: PROPOSED AREA TO POND 2

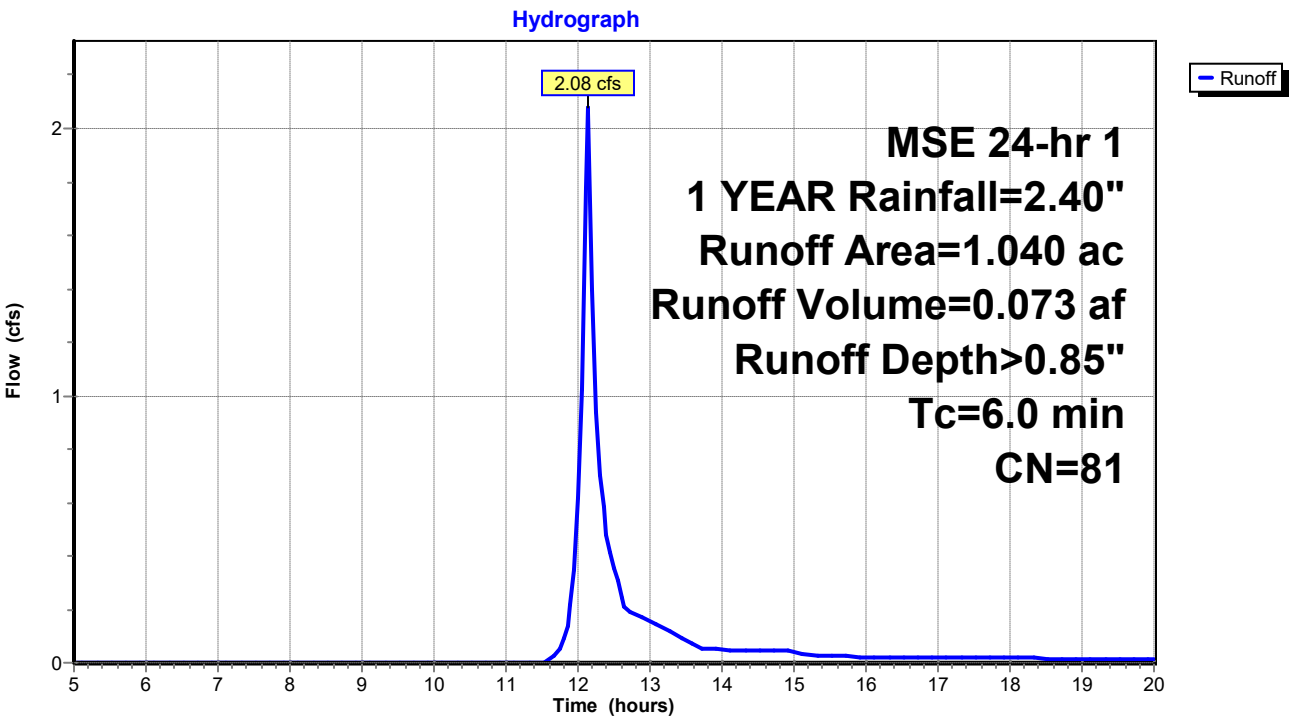
Runoff = 2.08 cfs @ 12.14 hrs, Volume= 0.073 af, Depth> 0.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 1 YEAR Rainfall=2.40"

Area (ac)	CN	Description
0.560	98	Paved parking, HSG A
0.480	61	>75% Grass cover, Good, HSG B
1.040	81	Weighted Average
0.480		46.15% Pervious Area
0.560		53.85% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PR2: PROPOSED AREA TO POND 2



Summary for Subcatchment UND: UNDETAINED AREA

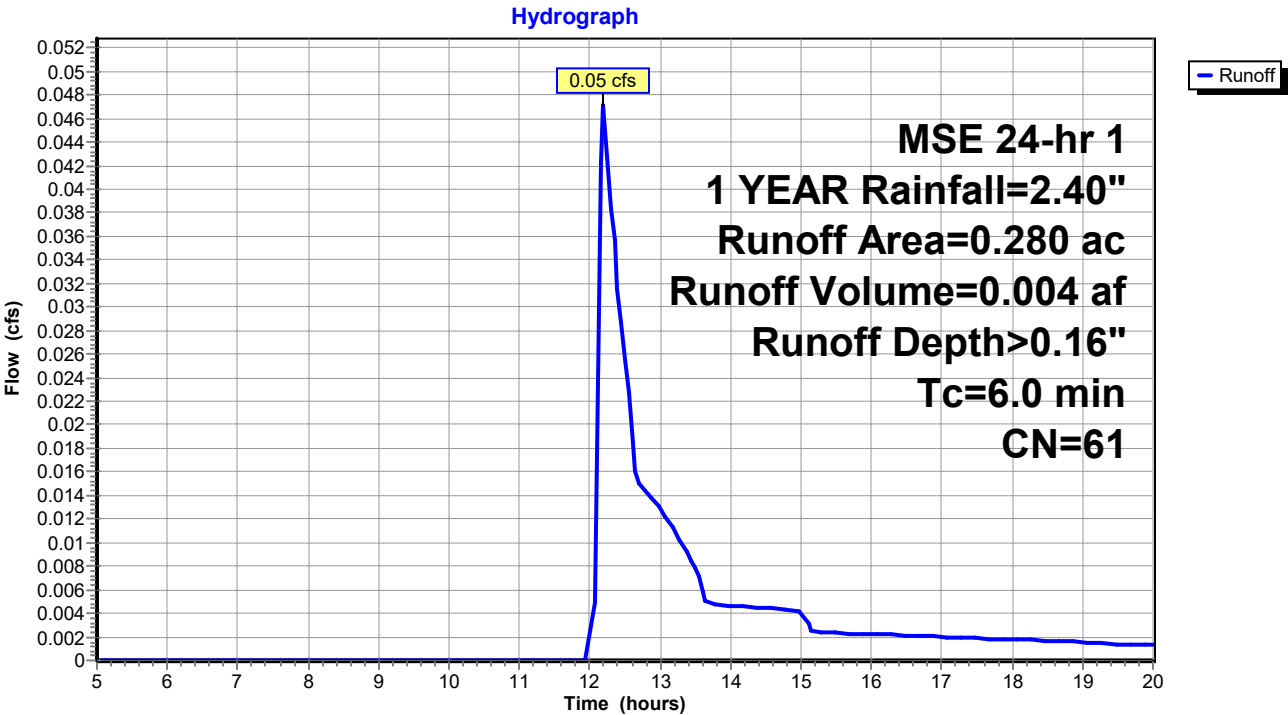
Runoff = 0.05 cfs @ 12.20 hrs, Volume= 0.004 af, Depth> 0.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 1 YEAR Rainfall=2.40"

Area (ac)	CN	Description
0.280	61	>75% Grass cover, Good, HSG B
0.280		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment UND: UNDETAINED AREA



Summary for Pond P1: POND 1

Inflow Area = 5.640 ac, 50.00% Impervious, Inflow Depth > 0.71" for 1 YEAR event
 Inflow = 8.89 cfs @ 12.15 hrs, Volume= 0.332 af
 Outflow = 0.57 cfs @ 13.25 hrs, Volume= 0.311 af, Atten= 94%, Lag= 66.5 min
 Discarded = 0.57 cfs @ 13.25 hrs, Volume= 0.311 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 840.89' @ 13.25 hrs Surf.Area= 0.137 ac Storage= 0.205 af

Plug-Flow detention time= 179.2 min calculated for 0.310 af (93% of inflow)
 Center-of-Mass det. time= 158.9 min (938.3 - 779.4)

Volume	Invert	Avail.Storage	Storage Description
#1	839.00'	0.795 af	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
839.00	0.080	0.000	0.000
840.00	0.110	0.095	0.095
841.00	0.140	0.125	0.220
842.00	0.170	0.155	0.375
843.00	0.210	0.190	0.565
844.00	0.250	0.230	0.795

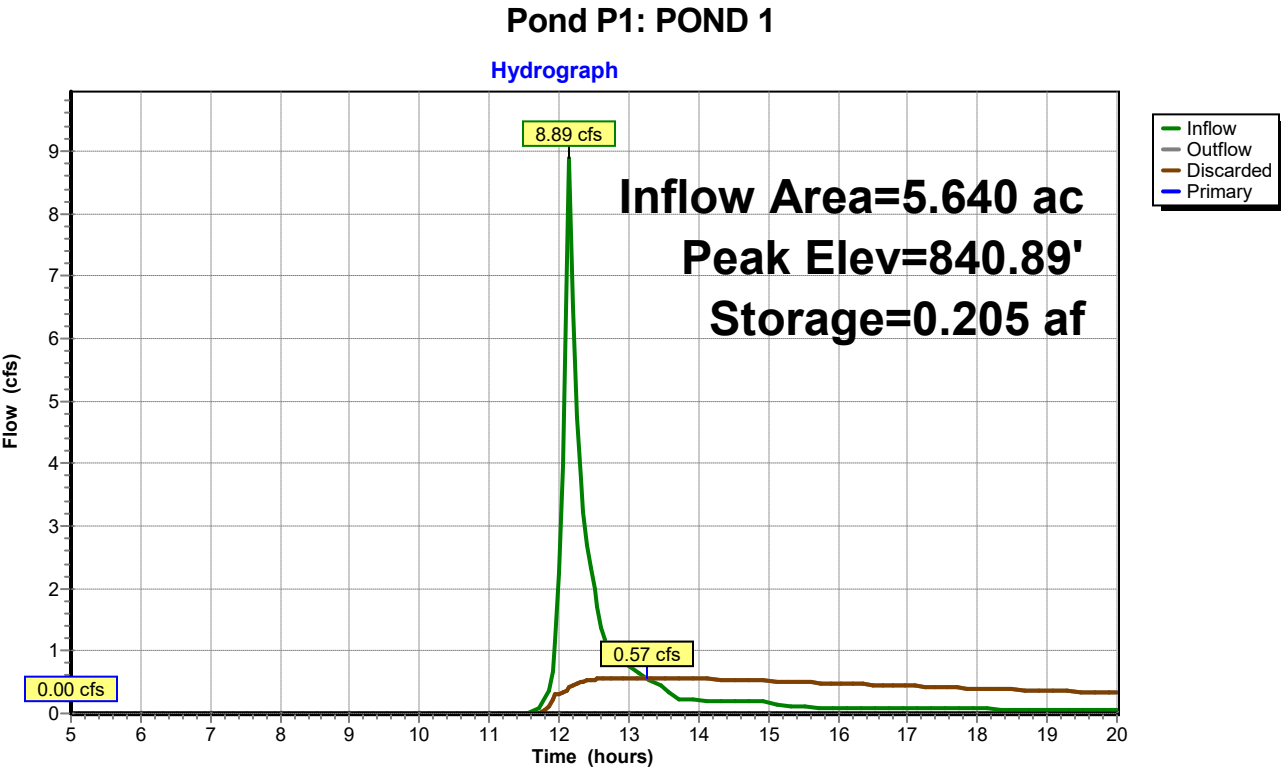
Device	Routing	Invert	Outlet Devices
#1	Primary	841.00'	18.0" Round Culvert L= 48.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 841.00' / 840.86' S= 0.0029 ' / Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Discarded	839.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 829.00'

Discarded OutFlow Max=0.57 cfs @ 13.25 hrs HW=840.89' (Free Discharge)

↑ **2=Exfiltration** (Controls 0.57 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=839.00' (Free Discharge)

↑ **1=Culvert** (Controls 0.00 cfs)



Summary for Pond P2: POND 2

Inflow Area = 1.040 ac, 53.85% Impervious, Inflow Depth > 0.85" for 1 YEAR event
 Inflow = 2.08 cfs @ 12.14 hrs, Volume= 0.073 af
 Outflow = 1.13 cfs @ 12.23 hrs, Volume= 0.073 af, Atten= 46%, Lag= 5.6 min
 Discarded = 0.12 cfs @ 12.23 hrs, Volume= 0.028 af
 Primary = 1.01 cfs @ 12.23 hrs, Volume= 0.045 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 841.69' @ 12.23 hrs Surf.Area= 0.030 ac Storage= 0.017 af

Plug-Flow detention time= 10.9 min calculated for 0.073 af (100% of inflow)
 Center-of-Mass det. time= 10.4 min (791.1 - 780.7)

Volume	Invert	Avail.Storage	Storage Description
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#1	841.00'	0.130 af	Custom Stage Data (Prismatic) Listed below (Recalc)
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Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
841.00	0.020	0.000	0.000
842.00	0.035	0.028	0.028
843.00	0.050	0.042	0.070
844.00	0.070	0.060	0.130

Device	Routing	Invert	Outlet Devices
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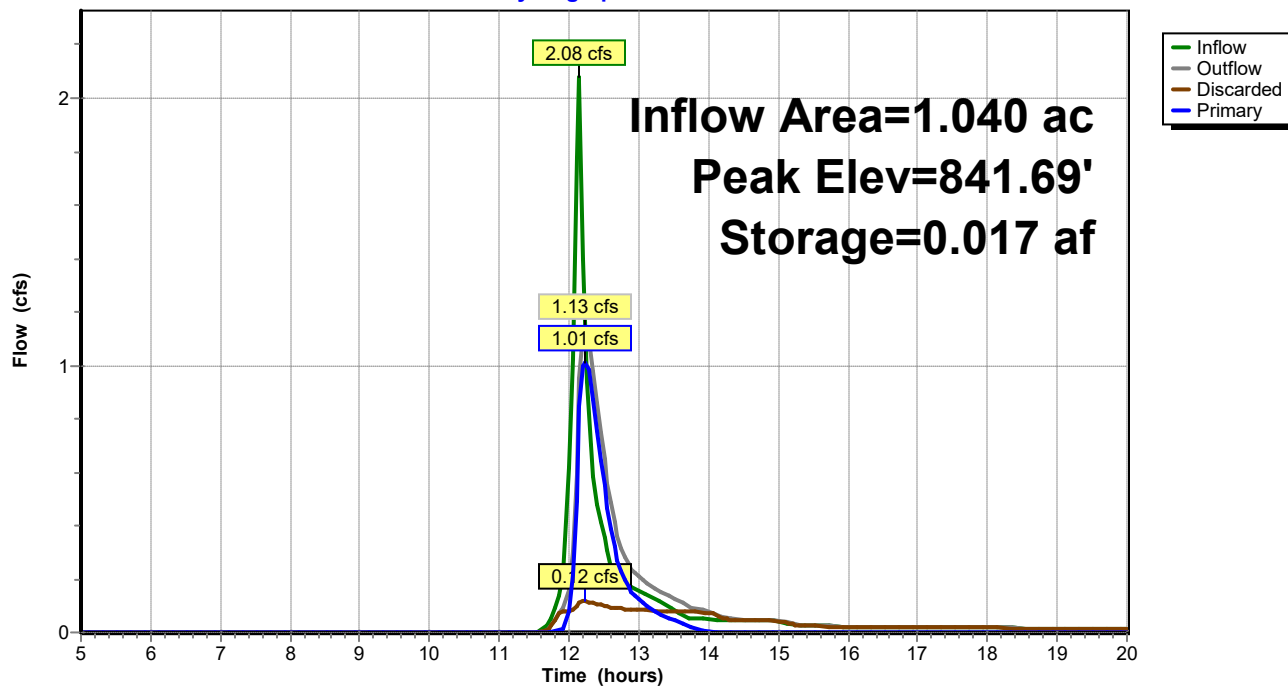
#1	Primary	841.00'	8.0" Round Culvert L= 43.0' Ke= 0.500 Inlet / Outlet Invert= 841.00' / 840.57' S= 0.0100 '/' Cc= 0.900 n= 0.012, Flow Area= 0.35 sf
#2	Discarded	841.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 830.00'

Discarded OutFlow Max=0.12 cfs @ 12.23 hrs HW=841.69' (Free Discharge)
 ↑ **2=Exfiltration** (Controls 0.12 cfs)

Primary OutFlow Max=1.00 cfs @ 12.23 hrs HW=841.69' (Free Discharge)
 ↑ **1=Culvert** (Inlet Controls 1.00 cfs @ 2.87 fps)

Pond P2: POND 2

Hydrograph

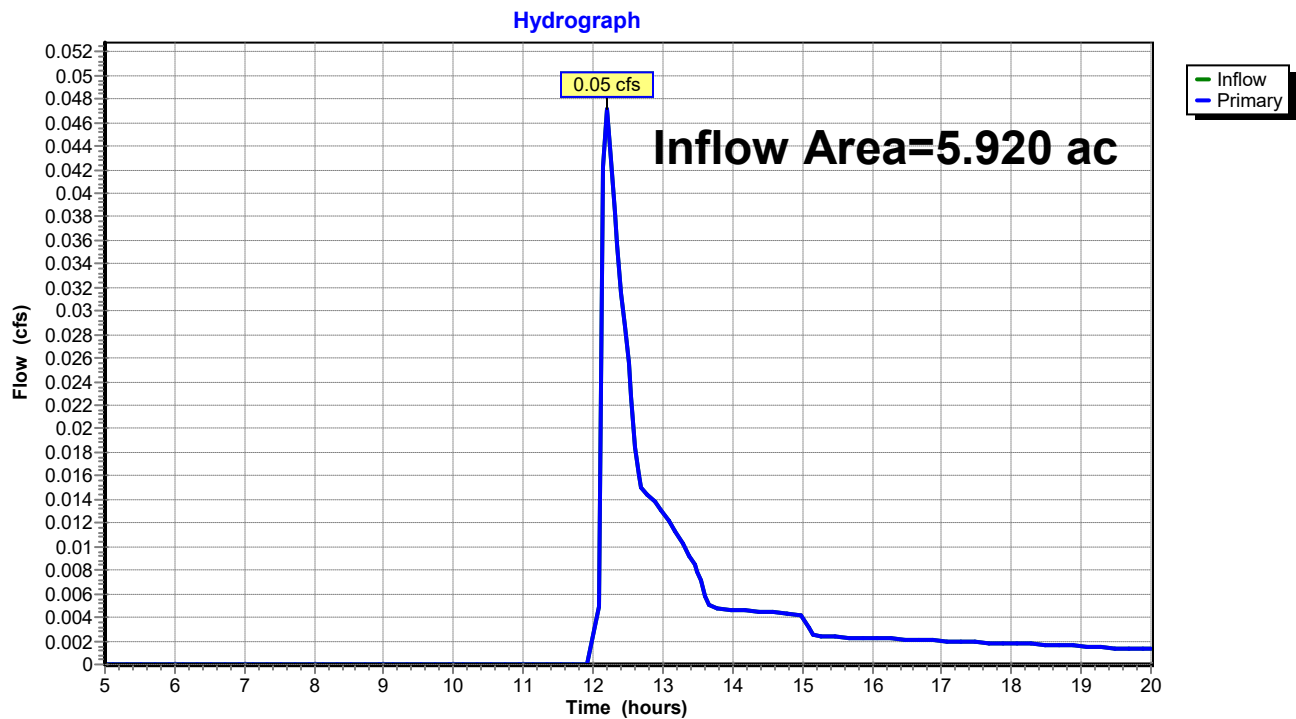


Summary for Link PRD: PROPOSED DISCHARGE

Inflow Area = 5.920 ac, 47.64% Impervious, Inflow Depth > 0.01" for 1 YEAR event
 Inflow = 0.05 cfs @ 12.20 hrs, Volume= 0.004 af
 Primary = 0.05 cfs @ 12.20 hrs, Volume= 0.004 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link PRD: PROPOSED DISCHARGE



Summary for Subcatchment PR1: PROPOSED AREA TO POND 1

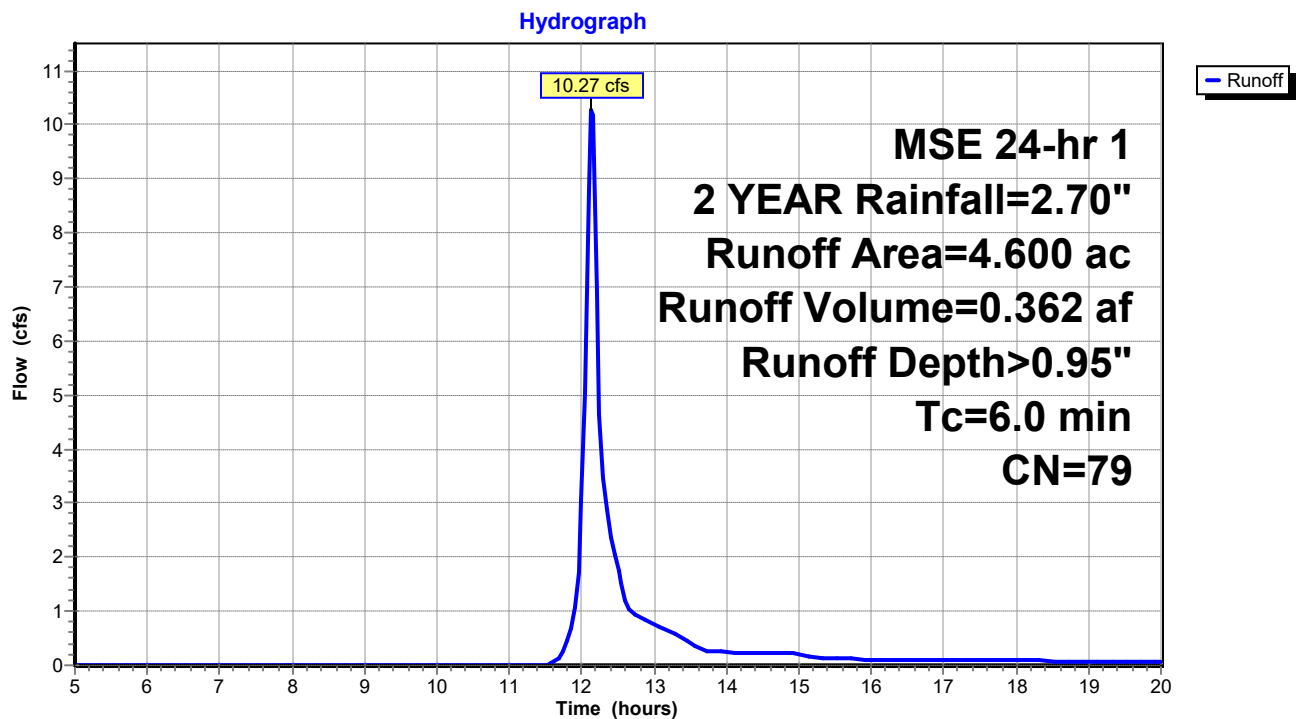
Runoff = 10.27 cfs @ 12.14 hrs, Volume= 0.362 af, Depth> 0.95"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 2 YEAR Rainfall=2.70"

Area (ac)	CN	Description
* 1.600	98	ROOF
* 0.660	98	PAVEMENT
2.340	61	>75% Grass cover, Good, HSG B
4.600	79	Weighted Average
2.340		50.87% Pervious Area
2.260		49.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PR1: PROPOSED AREA TO POND 1



Summary for Subcatchment PR2: PROPOSED AREA TO POND 2

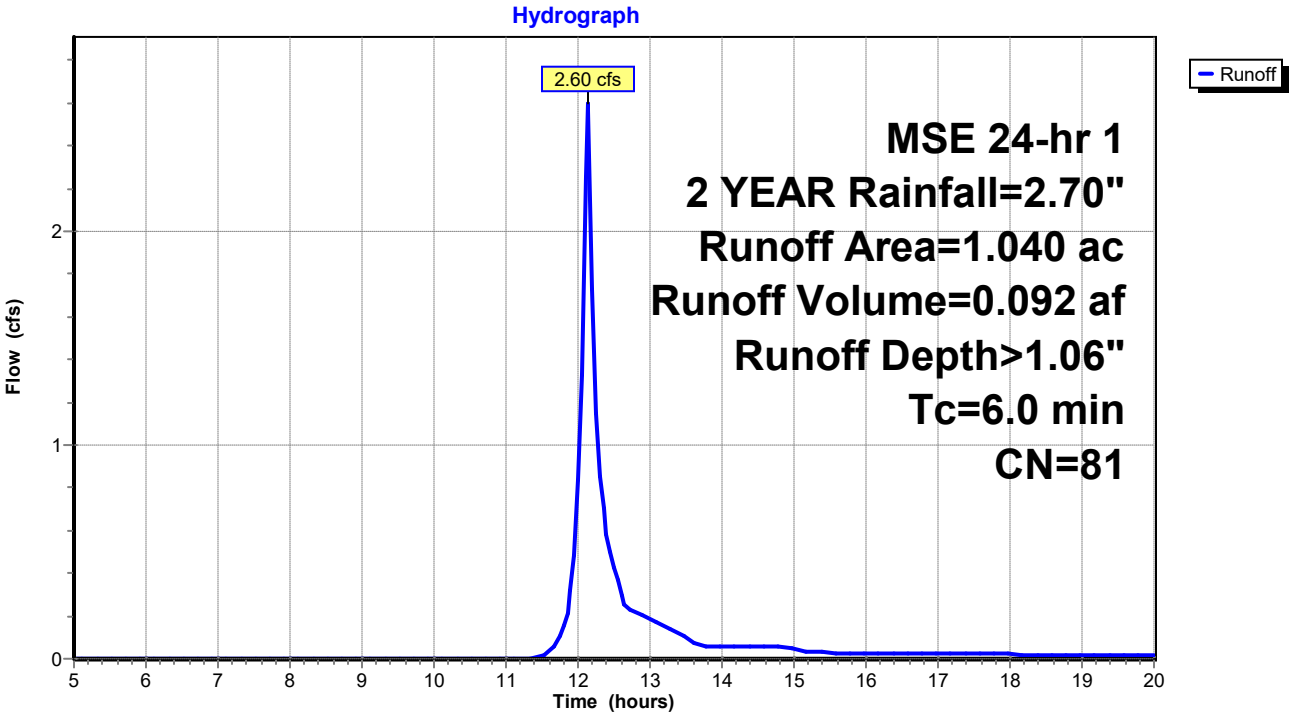
Runoff = 2.60 cfs @ 12.14 hrs, Volume= 0.092 af, Depth> 1.06"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 2 YEAR Rainfall=2.70"

Area (ac)	CN	Description
0.560	98	Paved parking, HSG A
0.480	61	>75% Grass cover, Good, HSG B
1.040	81	Weighted Average
0.480		46.15% Pervious Area
0.560		53.85% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PR2: PROPOSED AREA TO POND 2



Summary for Subcatchment UND: UNDETAINED AREA

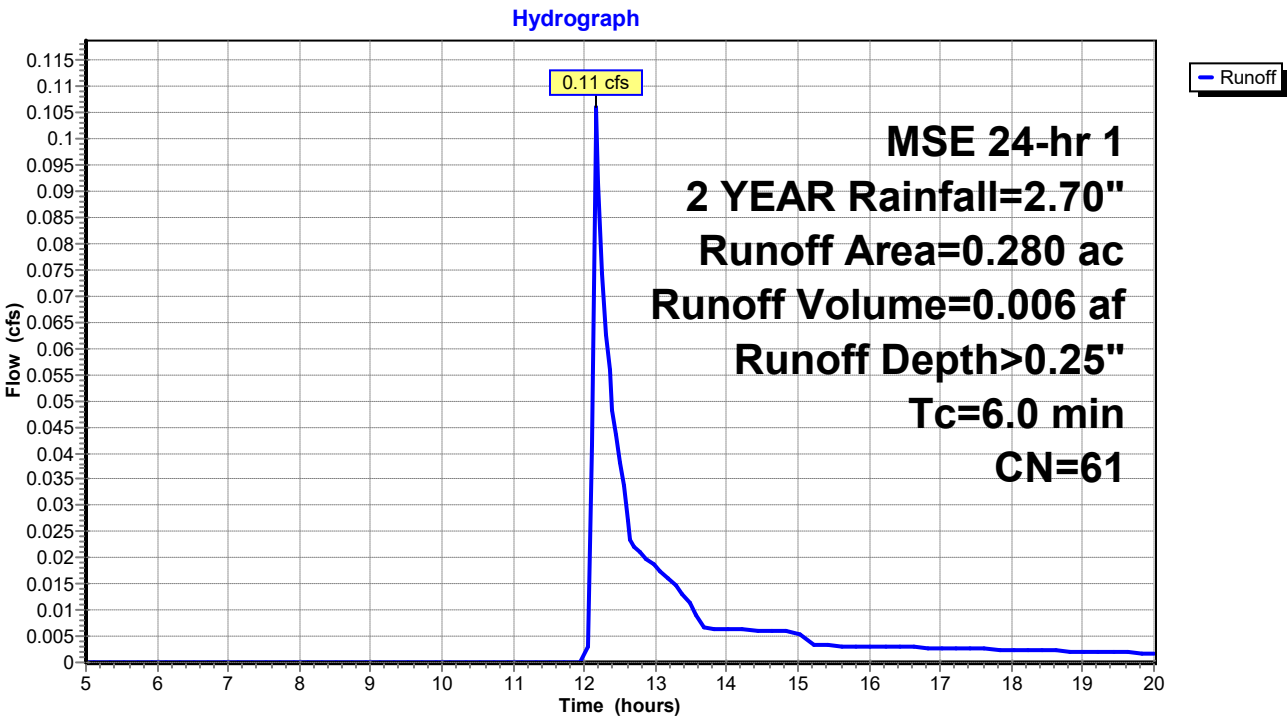
Runoff = 0.11 cfs @ 12.17 hrs, Volume= 0.006 af, Depth> 0.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 2 YEAR Rainfall=2.70"

Area (ac)	CN	Description
0.280	61	>75% Grass cover, Good, HSG B
0.280		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment UND: UNDETAINED AREA



Summary for Pond P1: POND 1

Inflow Area = 5.640 ac, 50.00% Impervious, Inflow Depth > 0.90" for 2 YEAR event
 Inflow = 11.28 cfs @ 12.14 hrs, Volume= 0.422 af
 Outflow = 0.89 cfs @ 13.03 hrs, Volume= 0.371 af, Atten= 92%, Lag= 53.4 min
 Discarded = 0.63 cfs @ 13.03 hrs, Volume= 0.348 af
 Primary = 0.26 cfs @ 13.03 hrs, Volume= 0.023 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 841.29' @ 13.03 hrs Surf.Area= 0.149 ac Storage= 0.261 af

Plug-Flow detention time= 182.7 min calculated for 0.369 af (87% of inflow)
 Center-of-Mass det. time= 152.8 min (929.4 - 776.6)

Volume	Invert	Avail.Storage	Storage Description
#1	839.00'	0.795 af	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
839.00	0.080	0.000	0.000
840.00	0.110	0.095	0.095
841.00	0.140	0.125	0.220
842.00	0.170	0.155	0.375
843.00	0.210	0.190	0.565
844.00	0.250	0.230	0.795

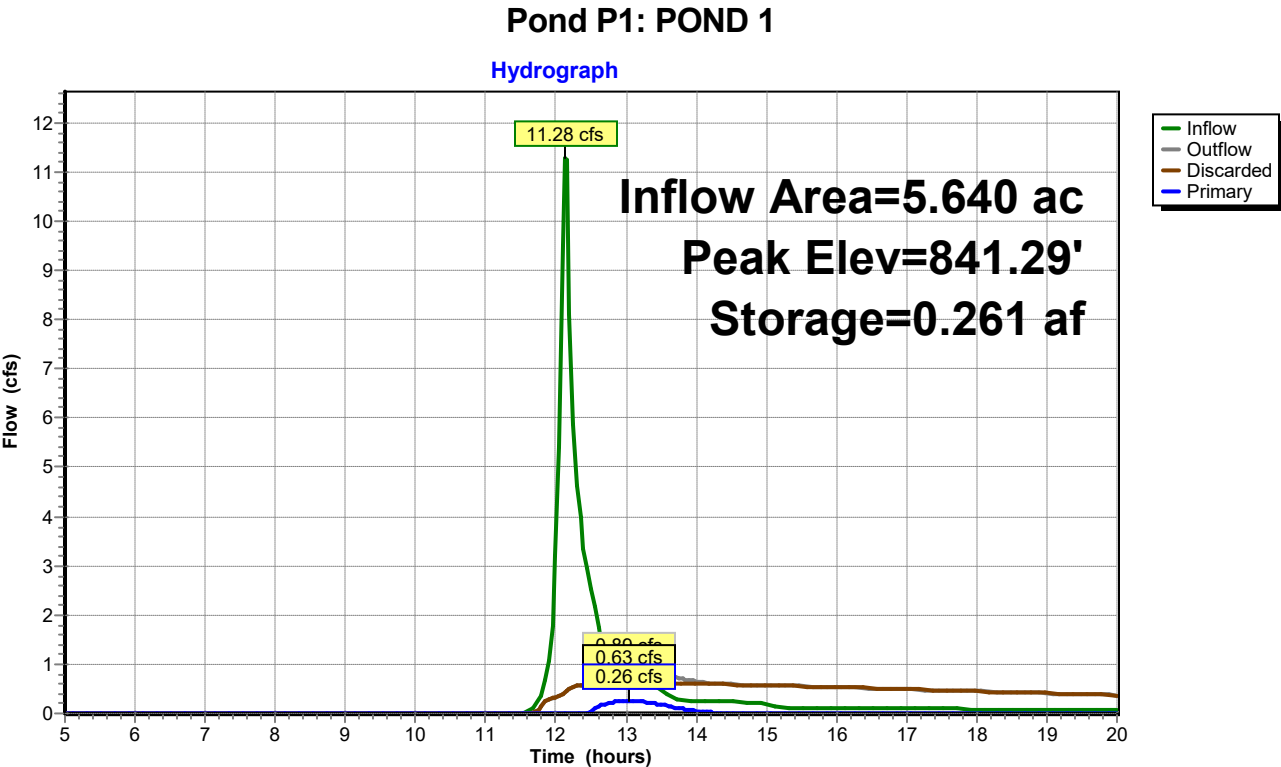
Device	Routing	Invert	Outlet Devices
#1	Primary	841.00'	18.0" Round Culvert L= 48.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 841.00' / 840.86' S= 0.0029 ' / Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Discarded	839.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 829.00'

Discarded OutFlow Max=0.63 cfs @ 13.03 hrs HW=841.29' (Free Discharge)

↑ **2=Exfiltration** (Controls 0.63 cfs)

Primary OutFlow Max=0.26 cfs @ 13.03 hrs HW=841.29' (Free Discharge)

↑ **1=Culvert** (Barrel Controls 0.26 cfs @ 1.65 fps)



Summary for Pond P2: POND 2

Inflow Area = 1.040 ac, 53.85% Impervious, Inflow Depth > 1.06" for 2 YEAR event
 Inflow = 2.60 cfs @ 12.14 hrs, Volume= 0.092 af
 Outflow = 1.34 cfs @ 12.24 hrs, Volume= 0.092 af, Atten= 48%, Lag= 5.9 min
 Discarded = 0.13 cfs @ 12.24 hrs, Volume= 0.032 af
 Primary = 1.22 cfs @ 12.24 hrs, Volume= 0.060 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 841.86' @ 12.24 hrs Surf.Area= 0.033 ac Storage= 0.023 af

Plug-Flow detention time= 11.1 min calculated for 0.091 af (100% of inflow)
 Center-of-Mass det. time= 10.6 min (788.6 - 778.0)

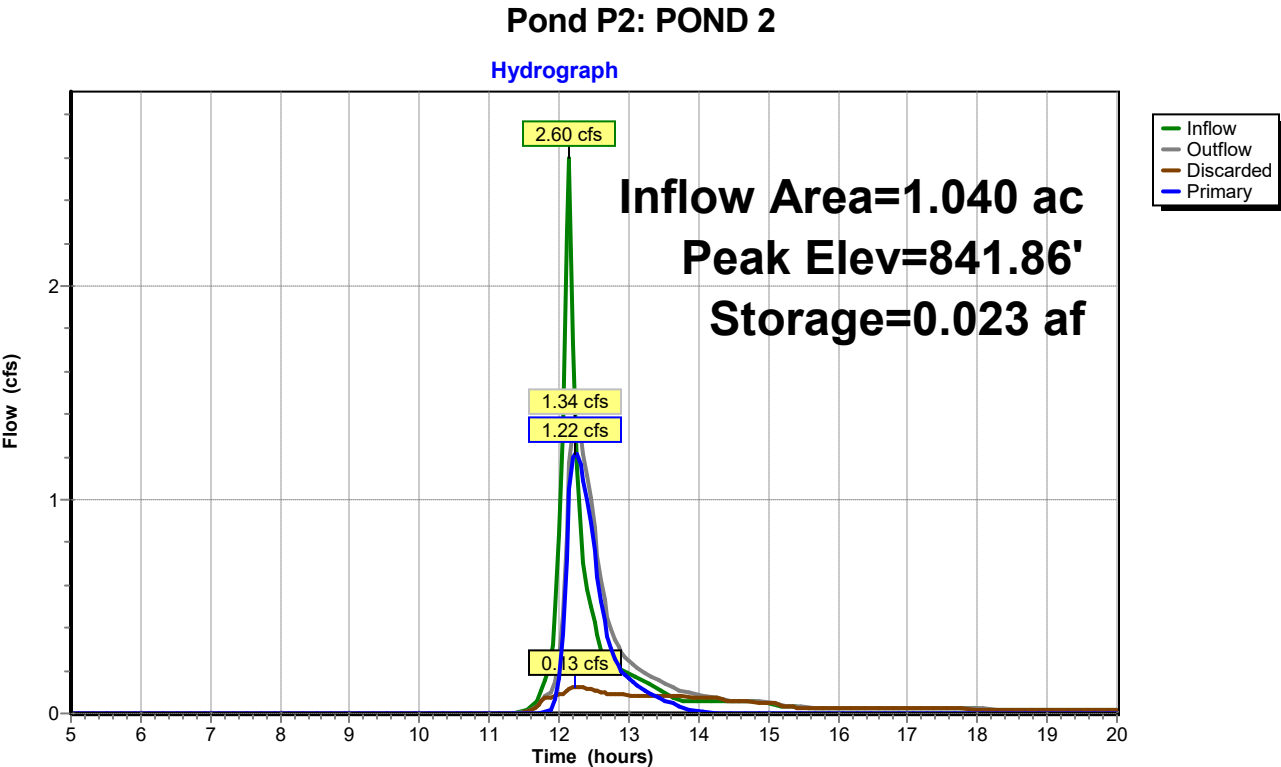
Volume	Invert	Avail.Storage	Storage Description
#1	841.00'	0.130 af	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
841.00	0.020	0.000	0.000
842.00	0.035	0.028	0.028
843.00	0.050	0.042	0.070
844.00	0.070	0.060	0.130

Device	Routing	Invert	Outlet Devices
#1	Primary	841.00'	8.0" Round Culvert L= 43.0' Ke= 0.500 Inlet / Outlet Invert= 841.00' / 840.57' S= 0.0100 '/' Cc= 0.900 n= 0.012, Flow Area= 0.35 sf
#2	Discarded	841.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 830.00'

Discarded OutFlow Max=0.13 cfs @ 12.24 hrs HW=841.85' (Free Discharge)
 ↑ **2=Exfiltration** (Controls 0.13 cfs)

Primary OutFlow Max=1.21 cfs @ 12.24 hrs HW=841.85' (Free Discharge)
 ↑ **1=Culvert** (Inlet Controls 1.21 cfs @ 3.47 fps)

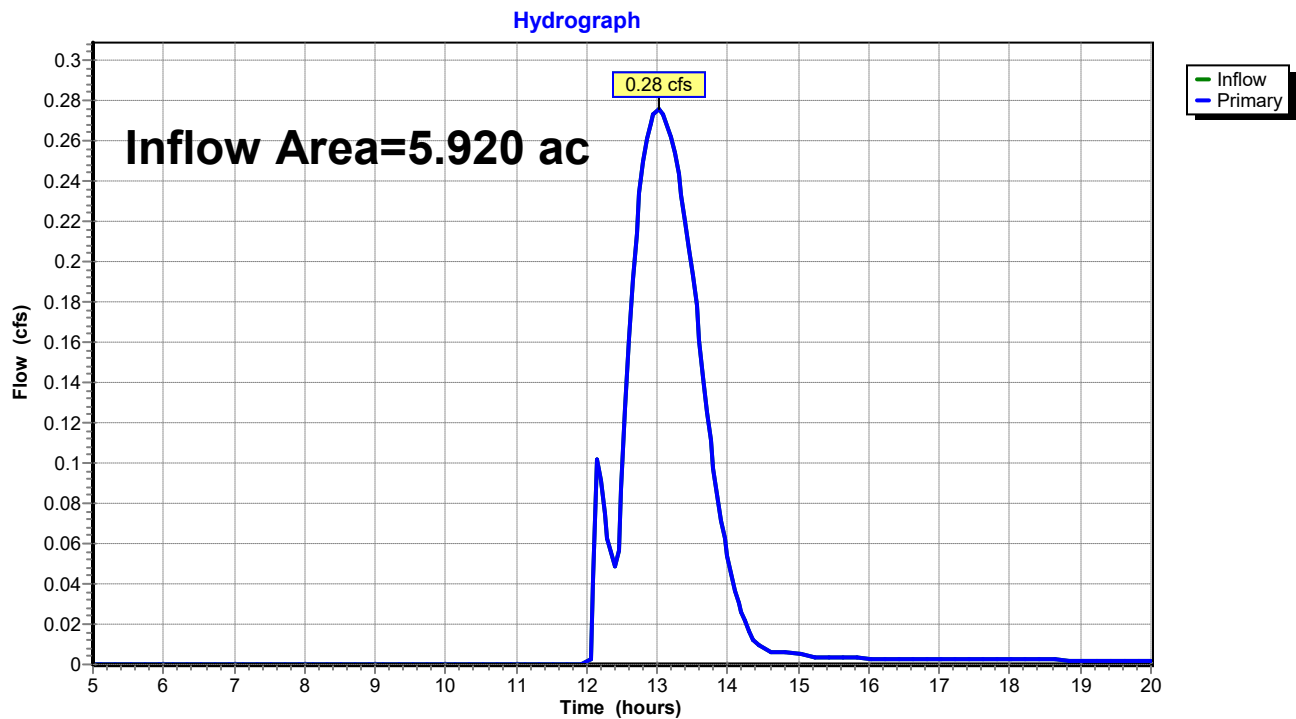


Summary for Link PRD: PROPOSED DISCHARGE

Inflow Area = 5.920 ac, 47.64% Impervious, Inflow Depth > 0.06" for 2 YEAR event
 Inflow = 0.28 cfs @ 13.02 hrs, Volume= 0.029 af
 Primary = 0.28 cfs @ 13.02 hrs, Volume= 0.029 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link PRD: PROPOSED DISCHARGE



Summary for Subcatchment PR1: PROPOSED AREA TO POND 1

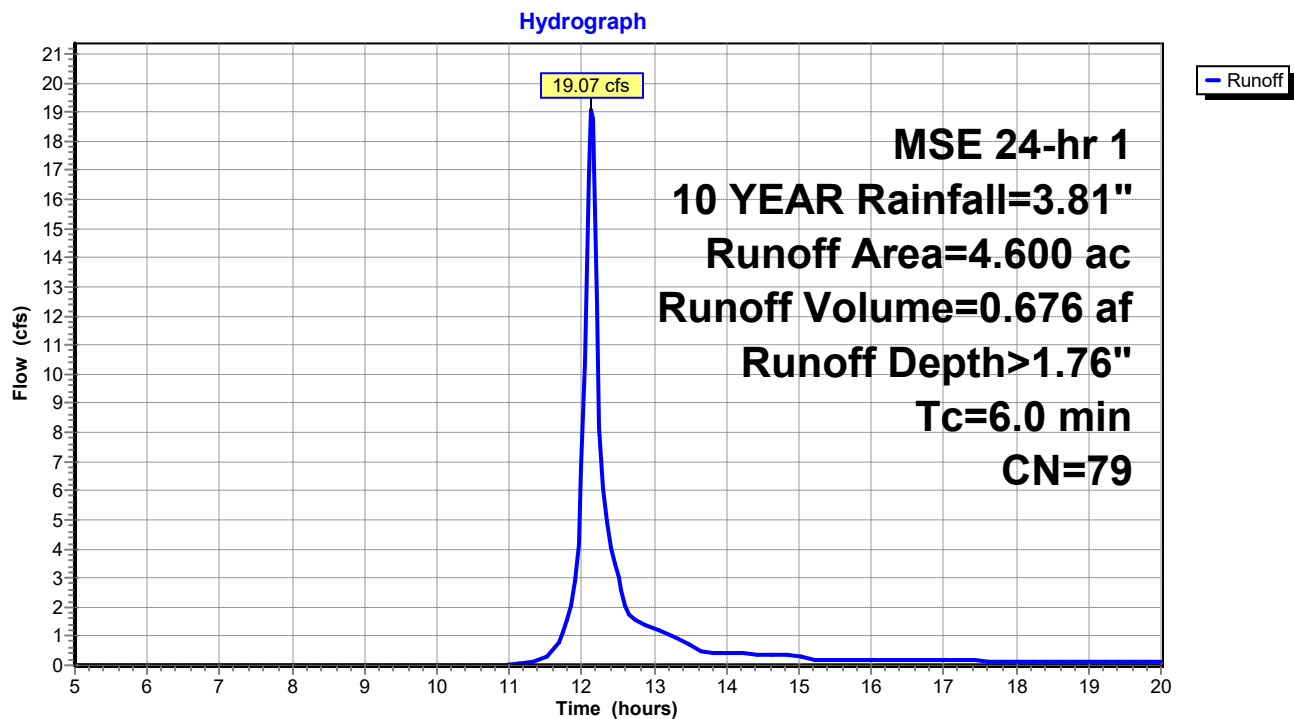
Runoff = 19.07 cfs @ 12.14 hrs, Volume= 0.676 af, Depth> 1.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 10 YEAR Rainfall=3.81"

Area (ac)	CN	Description
* 1.600	98	ROOF
* 0.660	98	PAVEMENT
2.340	61	>75% Grass cover, Good, HSG B
4.600	79	Weighted Average
2.340		50.87% Pervious Area
2.260		49.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PR1: PROPOSED AREA TO POND 1



Summary for Subcatchment PR2: PROPOSED AREA TO POND 2

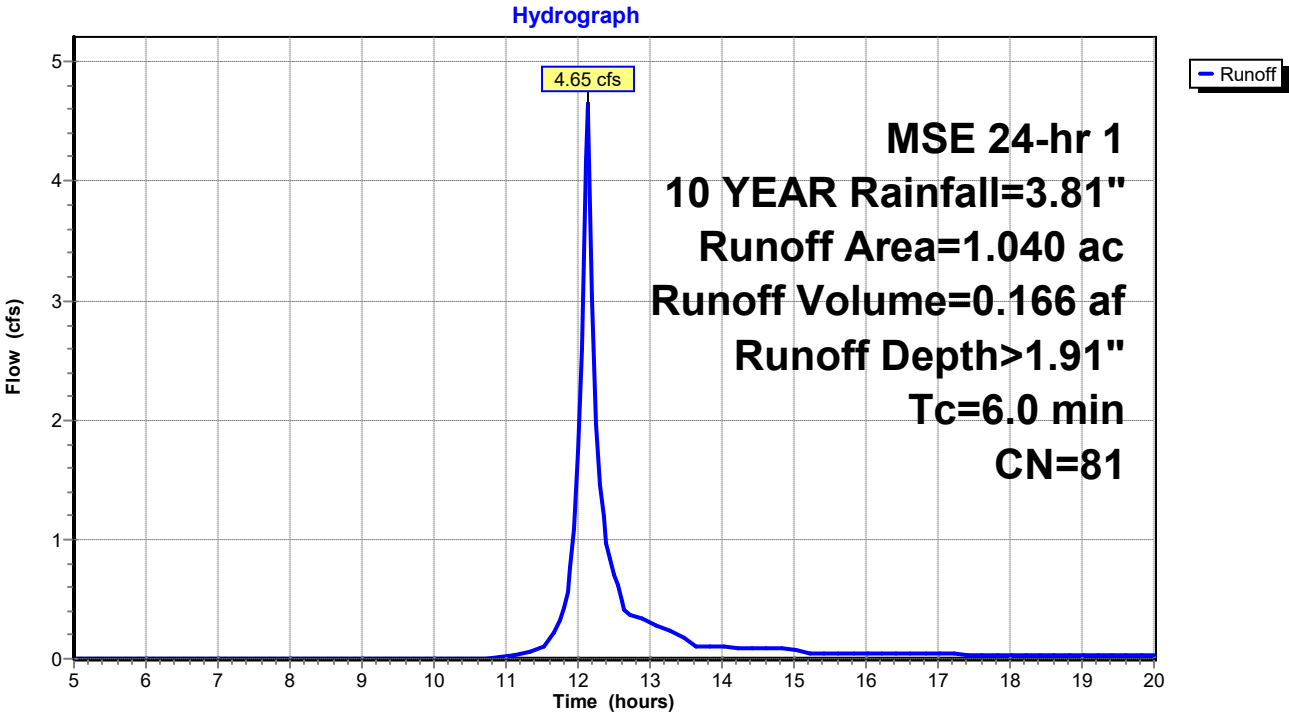
Runoff = 4.65 cfs @ 12.14 hrs, Volume= 0.166 af, Depth> 1.91"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 10 YEAR Rainfall=3.81"

Area (ac)	CN	Description
0.560	98	Paved parking, HSG A
0.480	61	>75% Grass cover, Good, HSG B
1.040	81	Weighted Average
0.480		46.15% Pervious Area
0.560		53.85% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PR2: PROPOSED AREA TO POND 2



Summary for Subcatchment UND: UNDETAINED AREA

Runoff = 0.42 cfs @ 12.15 hrs, Volume= 0.016 af, Depth> 0.69"

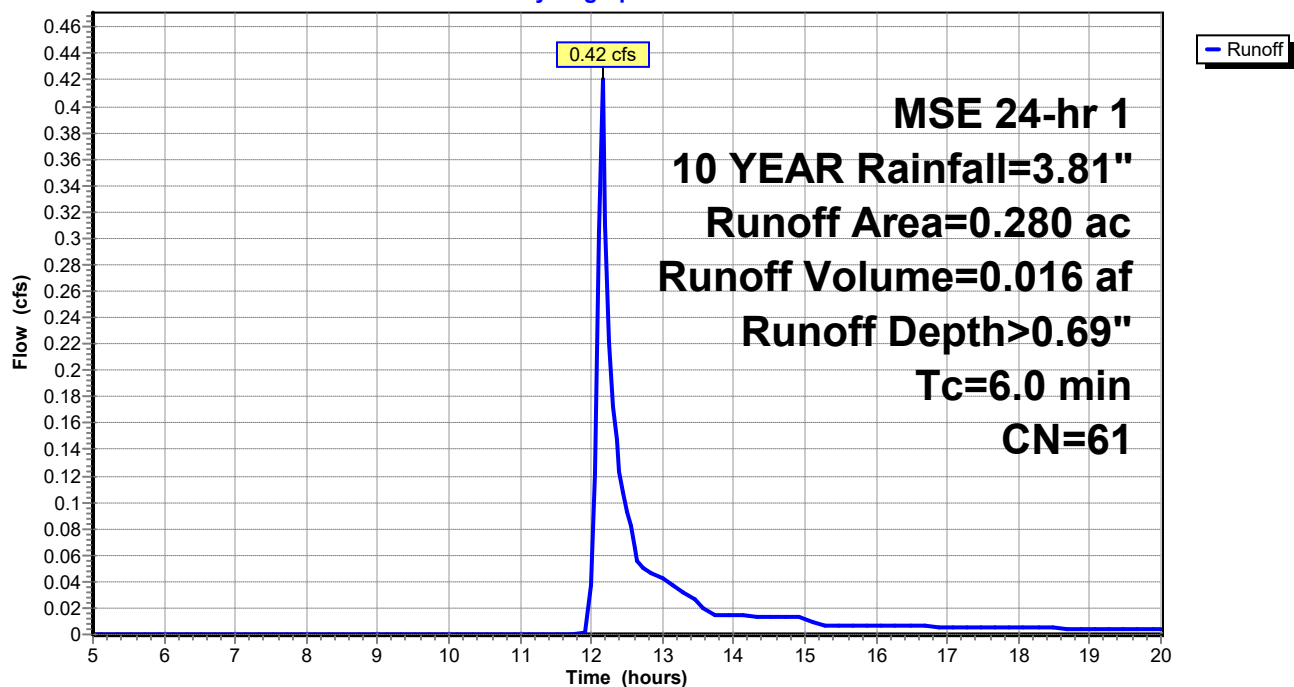
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 10 YEAR Rainfall=3.81"

Area (ac)	CN	Description
0.280	61	>75% Grass cover, Good, HSG B
0.280		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment UND: UNDETAINED AREA

Hydrograph



Summary for Pond P1: POND 1

Inflow Area = 5.640 ac, 50.00% Impervious, Inflow Depth > 1.70" for 10 YEAR event
 Inflow = 20.53 cfs @ 12.14 hrs, Volume= 0.797 af
 Outflow = 4.40 cfs @ 12.51 hrs, Volume= 0.709 af, Atten= 79%, Lag= 22.3 min
 Discarded = 0.78 cfs @ 12.51 hrs, Volume= 0.396 af
 Primary = 3.62 cfs @ 12.51 hrs, Volume= 0.313 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 842.14' @ 12.51 hrs Surf.Area= 0.176 ac Storage= 0.400 af

Plug-Flow detention time= 119.3 min calculated for 0.709 af (89% of inflow)
 Center-of-Mass det. time= 92.0 min (862.4 - 770.4)

Volume	Invert	Avail.Storage	Storage Description
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#1	839.00'	0.795 af	Custom Stage Data (Prismatic) Listed below (Recalc)
----	---------	----------	--

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
839.00	0.080	0.000	0.000
840.00	0.110	0.095	0.095
841.00	0.140	0.125	0.220
842.00	0.170	0.155	0.375
843.00	0.210	0.190	0.565
844.00	0.250	0.230	0.795

Device	Routing	Invert	Outlet Devices
--------	---------	--------	----------------

#1	Primary	841.00'	18.0" Round Culvert L= 48.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 841.00' / 840.86' S= 0.0029 ' / Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Discarded	839.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 829.00'

Discarded OutFlow Max=0.78 cfs @ 12.51 hrs HW=842.14' (Free Discharge)

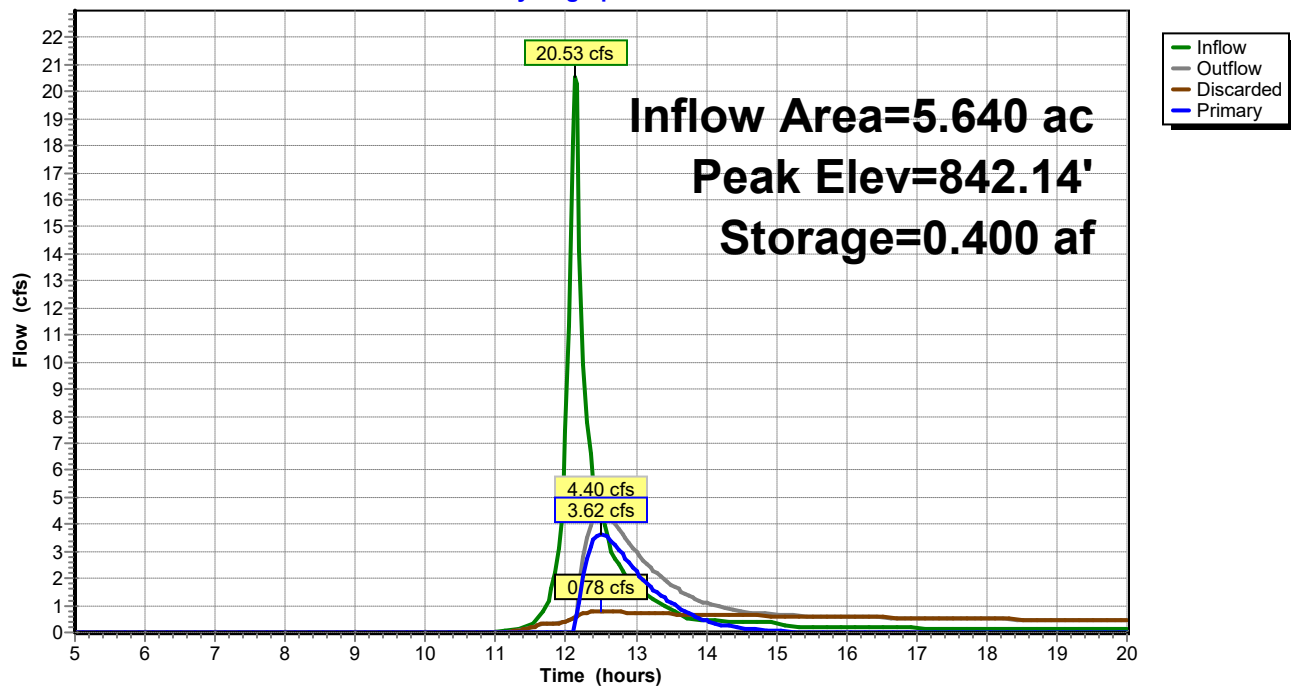
↑ **2=Exfiltration** (Controls 0.78 cfs)

Primary OutFlow Max=3.61 cfs @ 12.51 hrs HW=842.14' (Free Discharge)

↑ **1=Culvert** (Barrel Controls 3.61 cfs @ 3.46 fps)

Pond P1: POND 1

Hydrograph



Summary for Pond P2: POND 2

Inflow Area = 1.040 ac, 53.85% Impervious, Inflow Depth > 1.91" for 10 YEAR event
 Inflow = 4.65 cfs @ 12.14 hrs, Volume= 0.166 af
 Outflow = 1.88 cfs @ 12.26 hrs, Volume= 0.166 af, Atten= 59%, Lag= 7.8 min
 Discarded = 0.17 cfs @ 12.26 hrs, Volume= 0.045 af
 Primary = 1.71 cfs @ 12.26 hrs, Volume= 0.121 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 842.54' @ 12.26 hrs Surf.Area= 0.043 ac Storage= 0.048 af

Plug-Flow detention time= 13.6 min calculated for 0.166 af (100% of inflow)
 Center-of-Mass det. time= 13.1 min (784.0 - 770.9)

Volume	Invert	Avail.Storage	Storage Description
--------	--------	---------------	---------------------

#1	841.00'	0.130 af	Custom Stage Data (Prismatic) Listed below (Recalc)
----	---------	----------	--

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
841.00	0.020	0.000	0.000
842.00	0.035	0.028	0.028
843.00	0.050	0.042	0.070
844.00	0.070	0.060	0.130

Device	Routing	Invert	Outlet Devices
--------	---------	--------	----------------

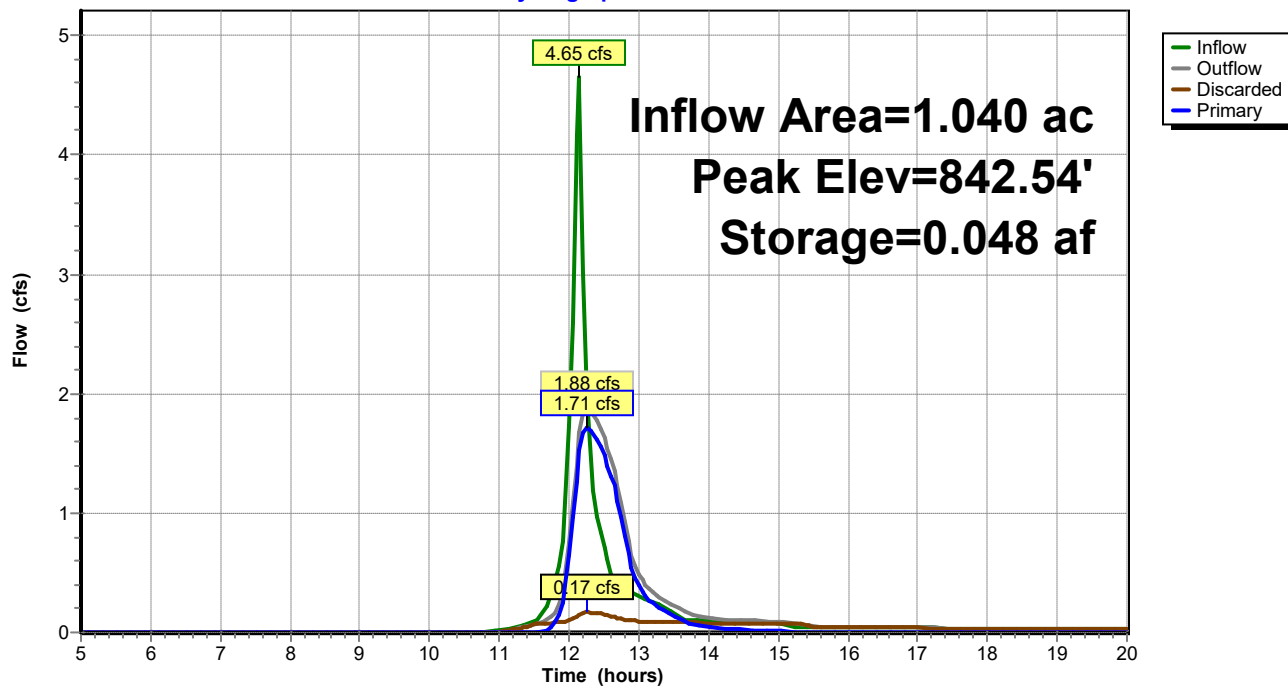
#1	Primary	841.00'	8.0" Round Culvert L= 43.0' Ke= 0.500 Inlet / Outlet Invert= 841.00' / 840.57' S= 0.0100 '/' Cc= 0.900 n= 0.012, Flow Area= 0.35 sf
#2	Discarded	841.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 830.00'

Discarded OutFlow Max=0.17 cfs @ 12.26 hrs HW=842.53' (Free Discharge)
 ↑ **2=Exfiltration** (Controls 0.17 cfs)

Primary OutFlow Max=1.71 cfs @ 12.26 hrs HW=842.53' (Free Discharge)
 ↑ **1=Culvert** (Barrel Controls 1.71 cfs @ 4.89 fps)

Pond P2: POND 2

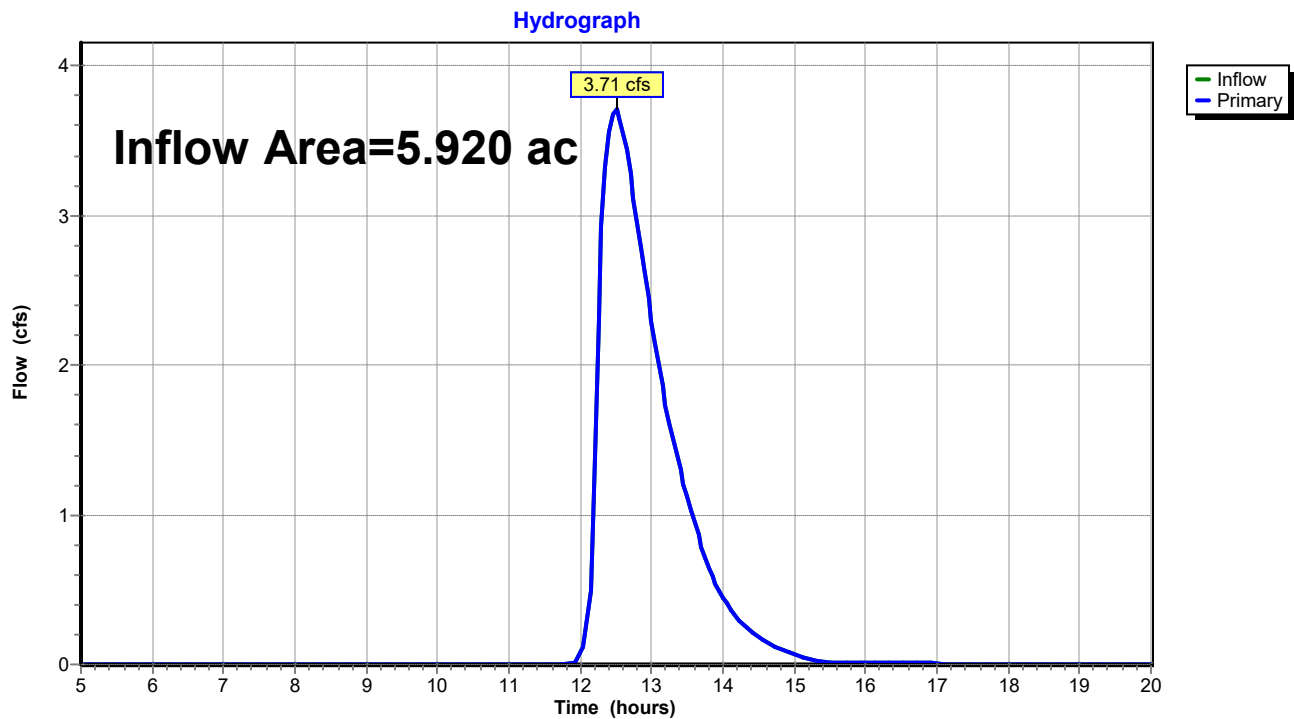
Hydrograph



Summary for Link PRD: PROPOSED DISCHARGE

Inflow Area = 5.920 ac, 47.64% Impervious, Inflow Depth > 0.67" for 10 YEAR event
Inflow = 3.71 cfs @ 12.50 hrs, Volume= 0.329 af
Primary = 3.71 cfs @ 12.50 hrs, Volume= 0.329 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Link PRD: PROPOSED DISCHARGE

Summary for Subcatchment PR1: PROPOSED AREA TO POND 1

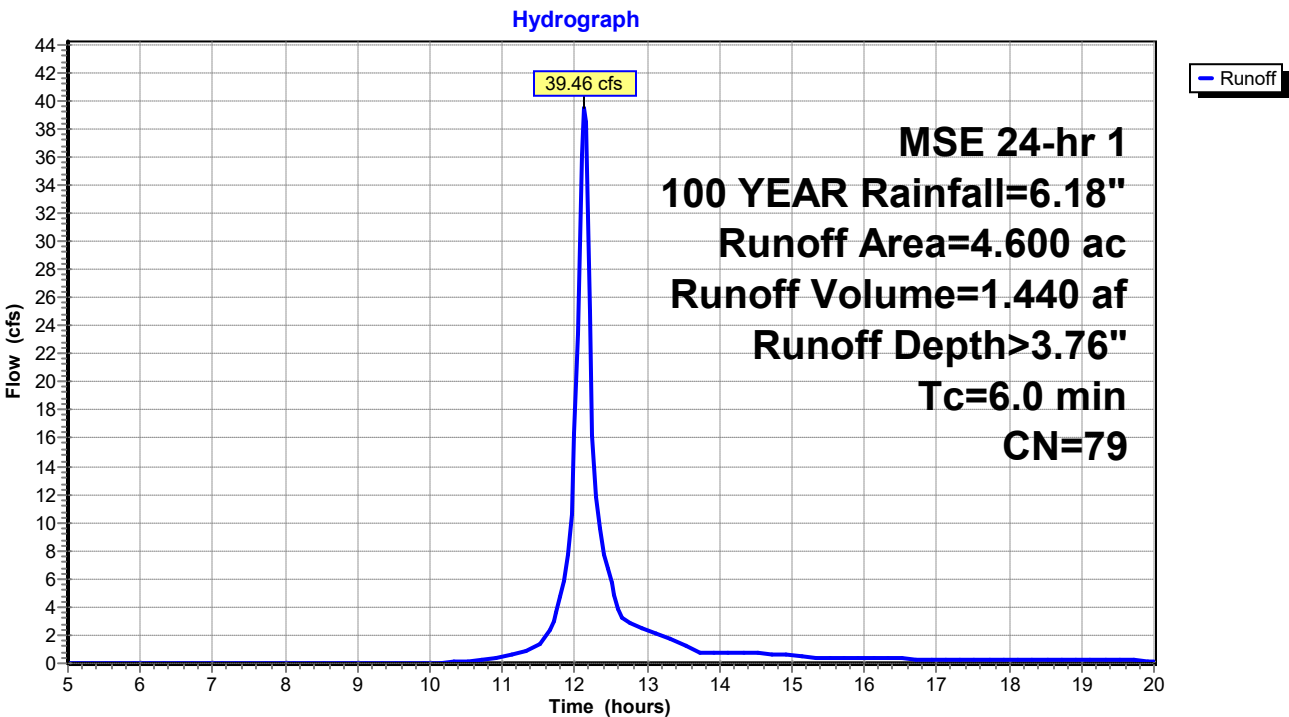
Runoff = 39.46 cfs @ 12.13 hrs, Volume= 1.440 af, Depth> 3.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 100 YEAR Rainfall=6.18"

Area (ac)	CN	Description
* 1.600	98	ROOF
* 0.660	98	PAVEMENT
2.340	61	>75% Grass cover, Good, HSG B
4.600	79	Weighted Average
2.340		50.87% Pervious Area
2.260		49.13% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PR1: PROPOSED AREA TO POND 1



Summary for Subcatchment PR2: PROPOSED AREA TO POND 2

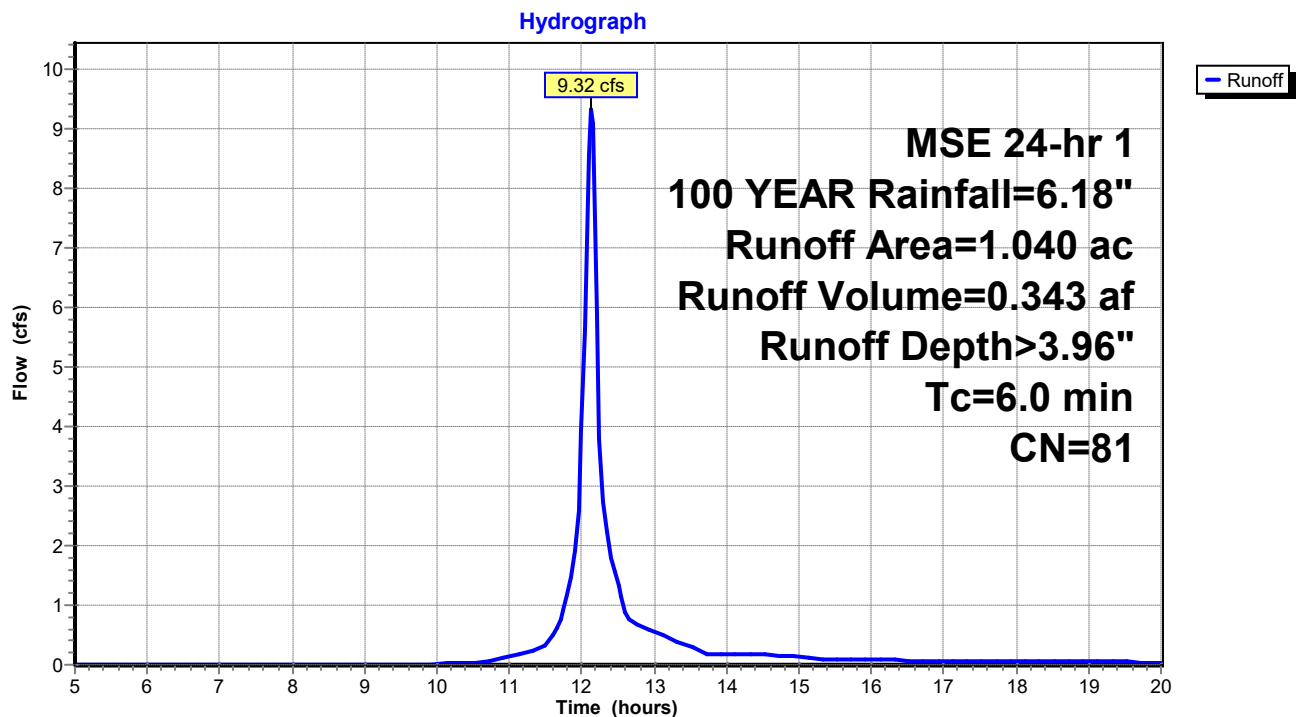
Runoff = 9.32 cfs @ 12.13 hrs, Volume= 0.343 af, Depth> 3.96"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 100 YEAR Rainfall=6.18"

Area (ac)	CN	Description
0.560	98	Paved parking, HSG A
0.480	61	>75% Grass cover, Good, HSG B
1.040	81	Weighted Average
0.480		46.15% Pervious Area
0.560		53.85% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PR2: PROPOSED AREA TO POND 2



Summary for Subcatchment UND: UNDETAINED AREA

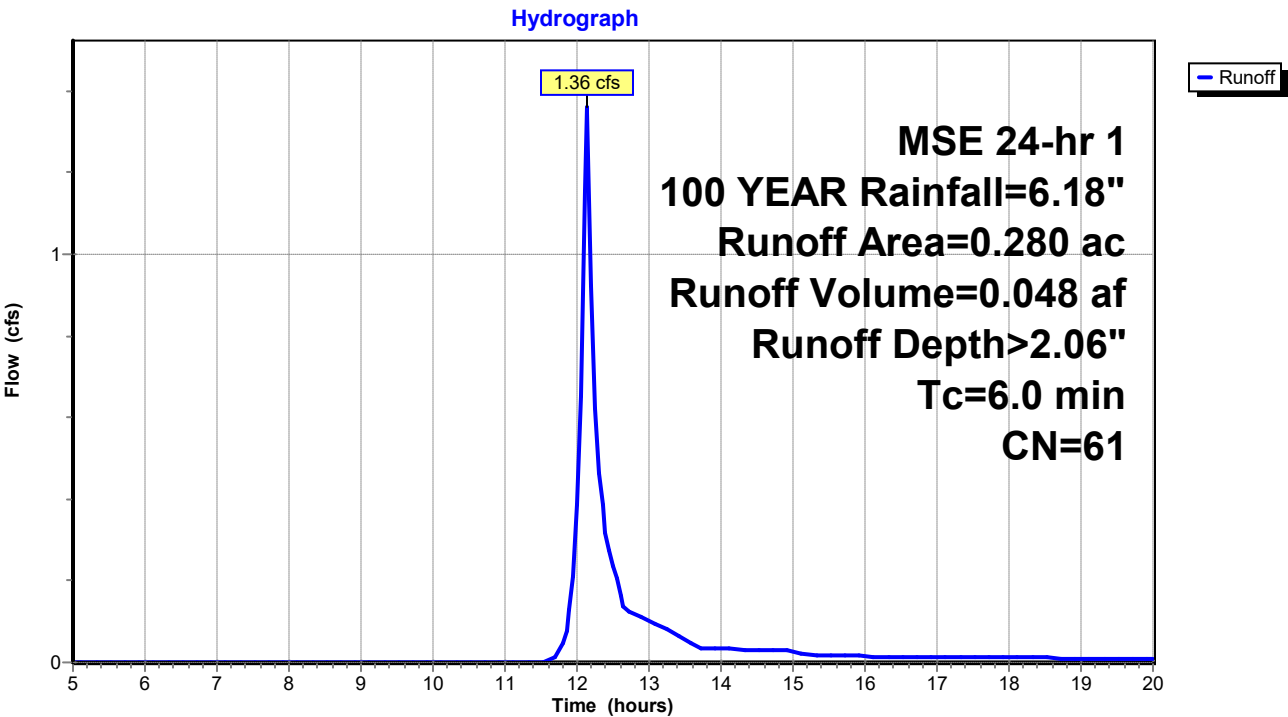
Runoff = 1.36 cfs @ 12.14 hrs, Volume= 0.048 af, Depth> 2.06"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
MSE 24-hr 1 100 YEAR Rainfall=6.18"

Area (ac)	CN	Description
0.280	61	>75% Grass cover, Good, HSG B
0.280		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment UND: UNDETAINED AREA



Summary for Pond P1: POND 1

Inflow Area = 5.640 ac, 50.00% Impervious, Inflow Depth > 3.64" for 100 YEAR event
 Inflow = 41.57 cfs @ 12.13 hrs, Volume= 1.711 af
 Outflow = 12.09 cfs @ 12.35 hrs, Volume= 1.571 af, Atten= 71%, Lag= 13.1 min
 Discarded = 1.13 cfs @ 12.35 hrs, Volume= 0.476 af
 Primary = 10.96 cfs @ 12.35 hrs, Volume= 1.095 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 843.78' @ 12.35 hrs Surf.Area= 0.241 ac Storage= 0.741 af

Plug-Flow detention time= 73.1 min calculated for 1.566 af (92% of inflow)
 Center-of-Mass det. time= 52.1 min (816.3 - 764.2)

Volume	Invert	Avail.Storage	Storage Description
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#1	839.00'	0.795 af	Custom Stage Data (Prismatic) Listed below (Recalc)
----	---------	----------	--

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
839.00	0.080	0.000	0.000
840.00	0.110	0.095	0.095
841.00	0.140	0.125	0.220
842.00	0.170	0.155	0.375
843.00	0.210	0.190	0.565
844.00	0.250	0.230	0.795

Device	Routing	Invert	Outlet Devices
--------	---------	--------	----------------

#1	Primary	841.00'	18.0" Round Culvert L= 48.0' RCP, end-section conforming to fill, Ke= 0.500 Inlet / Outlet Invert= 841.00' / 840.86' S= 0.0029 ' /' Cc= 0.900 n= 0.013, Flow Area= 1.77 sf
#2	Discarded	839.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 829.00'

Discarded OutFlow Max=1.13 cfs @ 12.35 hrs HW=843.78' (Free Discharge)

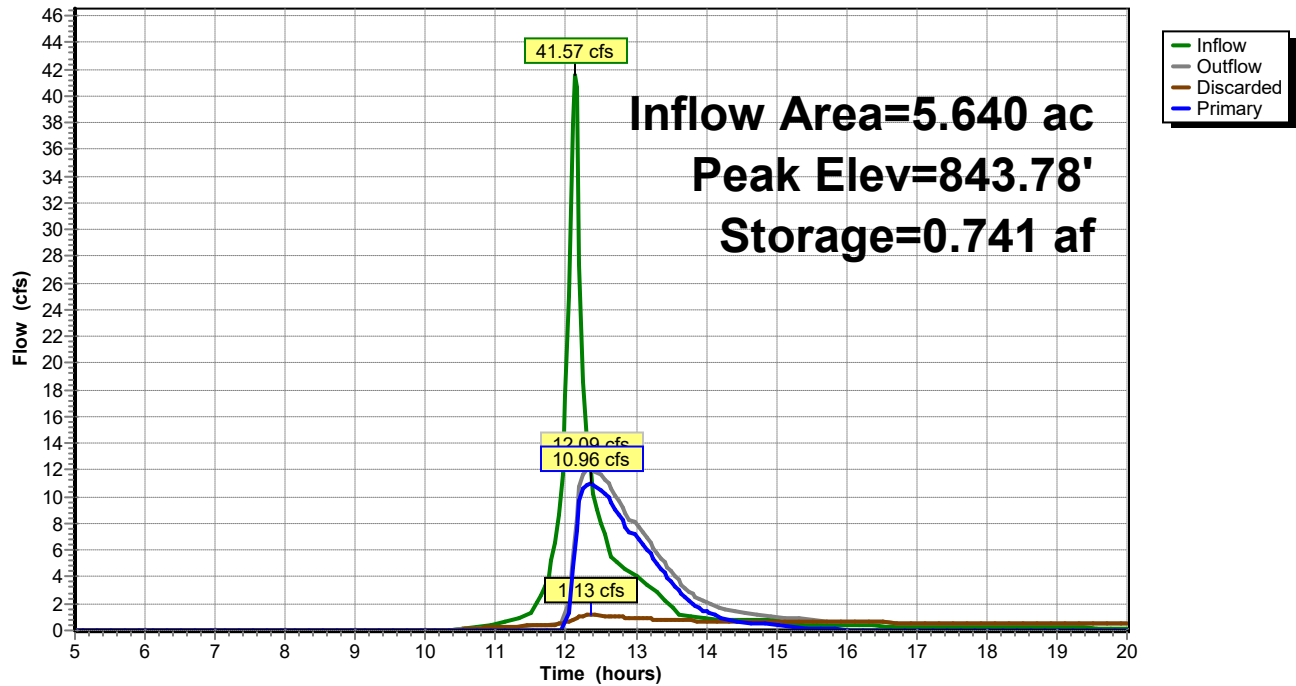
↑ **2=Exfiltration** (Controls 1.13 cfs)

Primary OutFlow Max=10.96 cfs @ 12.35 hrs HW=843.78' (Free Discharge)

↑ **1=Culvert** (Barrel Controls 10.96 cfs @ 6.20 fps)

Pond P1: POND 1

Hydrograph



Summary for Pond P2: POND 2

Inflow Area = 1.040 ac, 53.85% Impervious, Inflow Depth > 3.96" for 100 YEAR event
 Inflow = 9.32 cfs @ 12.13 hrs, Volume= 0.343 af
 Outflow = 2.72 cfs @ 12.31 hrs, Volume= 0.343 af, Atten= 71%, Lag= 10.7 min
 Discarded = 0.28 cfs @ 12.31 hrs, Volume= 0.072 af
 Primary = 2.44 cfs @ 12.31 hrs, Volume= 0.271 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 843.88' @ 12.31 hrs Surf.Area= 0.068 ac Storage= 0.122 af

Plug-Flow detention time= 20.5 min calculated for 0.342 af (100% of inflow)
 Center-of-Mass det. time= 20.0 min (782.6 - 762.6)

Volume	Invert	Avail.Storage	Storage Description
--------	--------	---------------	---------------------

#1	841.00'	0.130 af	Custom Stage Data (Prismatic) Listed below (Recalc)
----	---------	----------	--

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
841.00	0.020	0.000	0.000
842.00	0.035	0.028	0.028
843.00	0.050	0.042	0.070
844.00	0.070	0.060	0.130

Device	Routing	Invert	Outlet Devices
--------	---------	--------	----------------

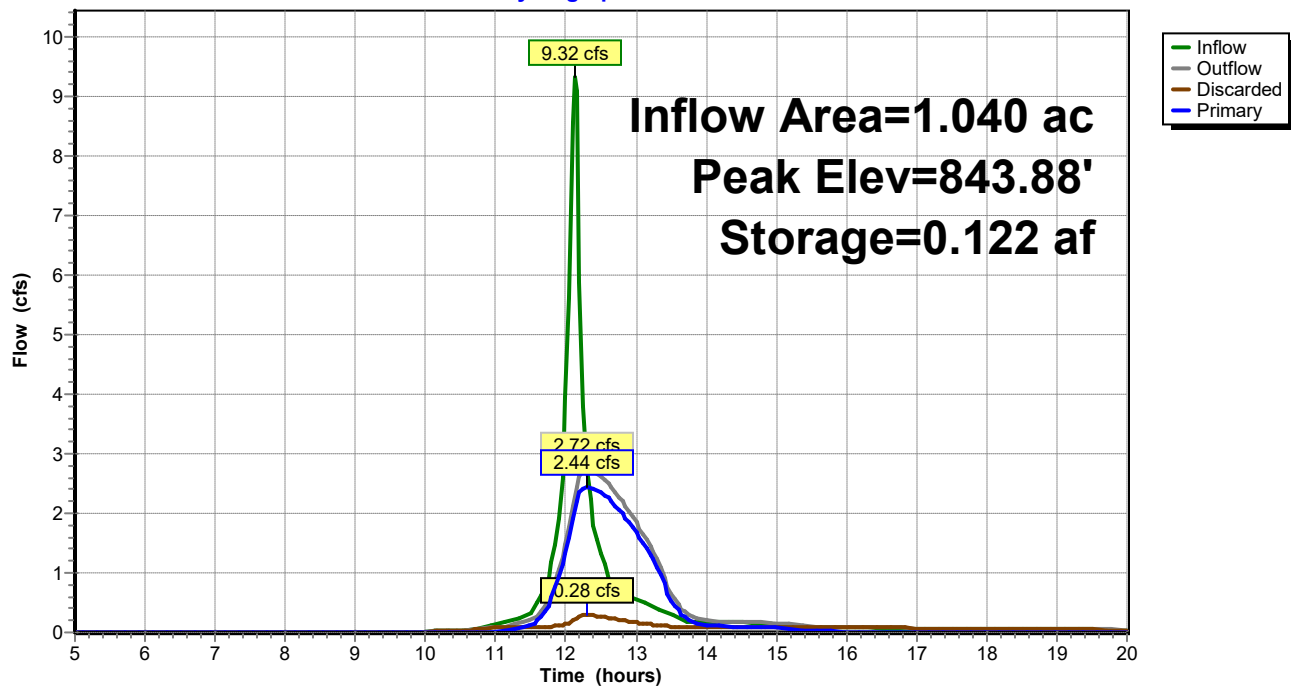
#1	Primary	841.00'	8.0" Round Culvert L= 43.0' Ke= 0.500 Inlet / Outlet Invert= 841.00' / 840.57' S= 0.0100 '/' Cc= 0.900 n= 0.012, Flow Area= 0.35 sf
#2	Discarded	841.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 830.00'

Discarded OutFlow Max=0.28 cfs @ 12.31 hrs HW=843.87' (Free Discharge)
 ↑ **2=Exfiltration** (Controls 0.28 cfs)

Primary OutFlow Max=2.44 cfs @ 12.31 hrs HW=843.87' (Free Discharge)
 ↑ **1=Culvert** (Barrel Controls 2.44 cfs @ 6.99 fps)

Pond P2: POND 2

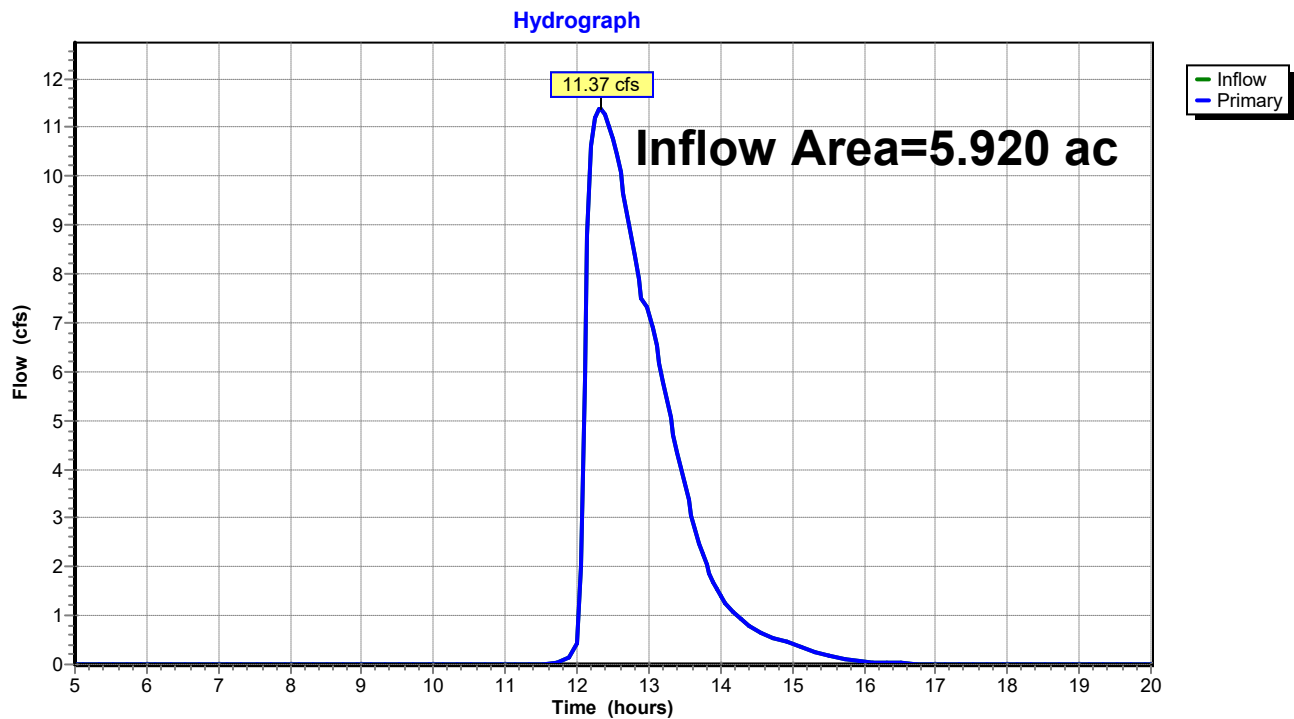
Hydrograph



Summary for Link PRD: PROPOSED DISCHARGE

Inflow Area = 5.920 ac, 47.64% Impervious, Inflow Depth > 2.32" for 100 YEAR event
Inflow = 11.37 cfs @ 12.32 hrs, Volume= 1.143 af
Primary = 11.37 cfs @ 12.32 hrs, Volume= 1.143 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

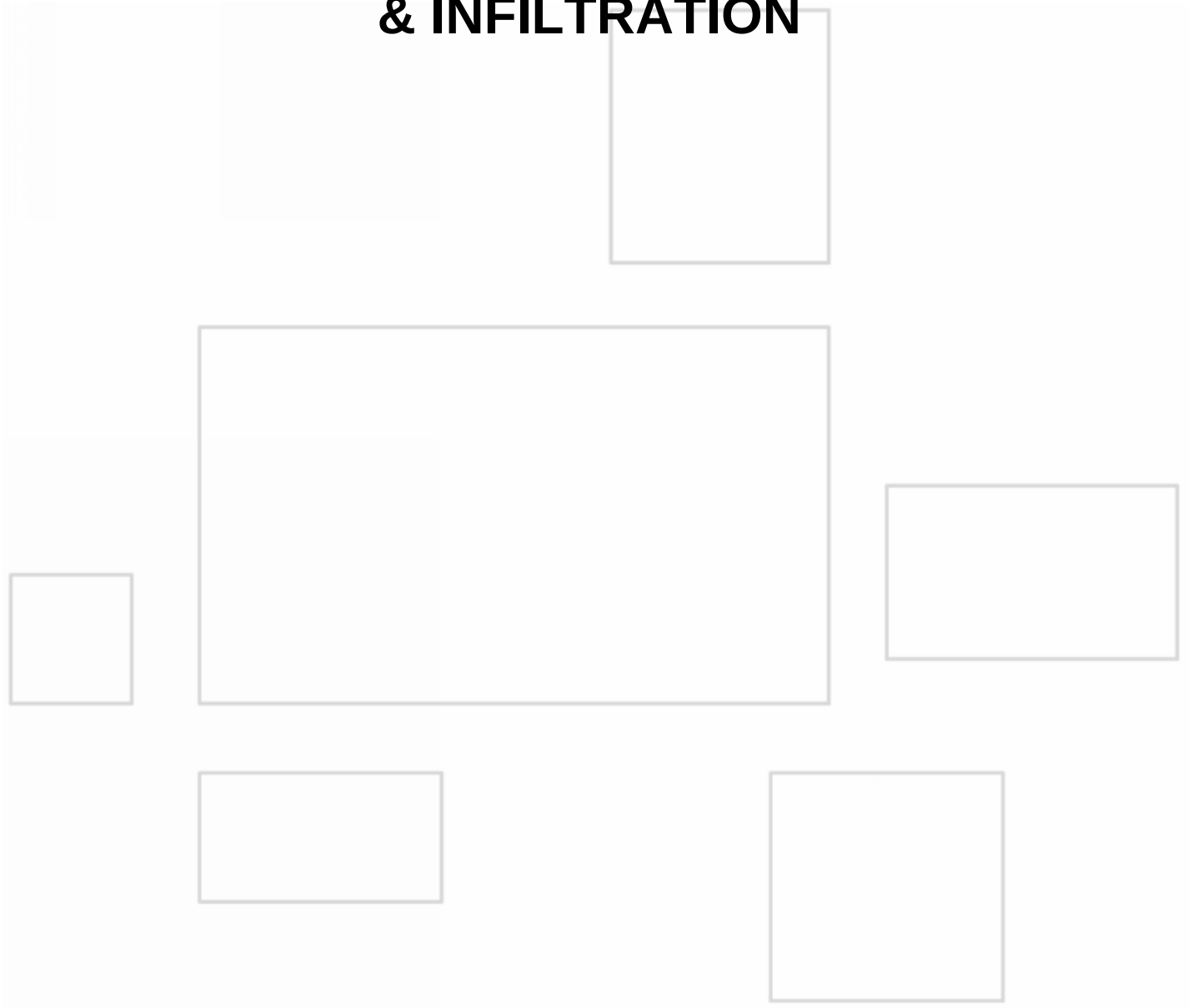
Link PRD: PROPOSED DISCHARGE

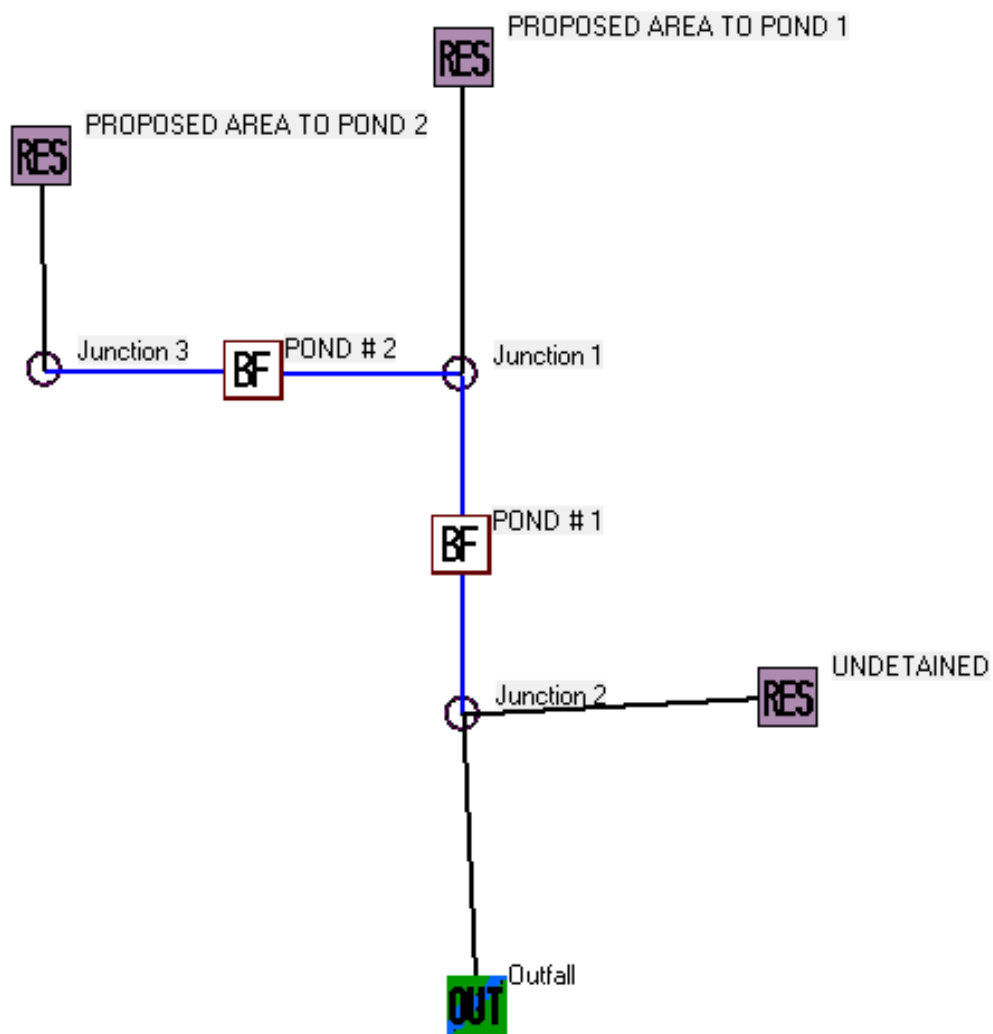
APPENDIX 4

POST DEVELOPMENT CONDITIONS

WATER QUALITY

& INFILTRATION





Data file name: Z:\Projects\2023\5172.00-WI\DESIGN\SWMP\SLAMM\5172.00 AZURA MUKWONAGO.mdb

WinSLAMM Version 10.4.1

Rain file name: C:\WinSLAMM Files\Rain Files\WI Milwaukee 69.RAN

Particulate Solids Concentration file name: C:\WinSLAMM Files\v10.1 WI_AVG01.pscx

Runoff Coefficient file name: C:\WinSLAMM Files\WI_SL06 Dec06.rsvx

Residential Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std

Institutional Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std

Commercial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std

Industrial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std

Other Urban Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std

Freeway Street Delivery file name: C:\WinSLAMM Files\Freeway Dec06.std

Apply Street Delivery Files to Adjust the After Event Load Street Dirt Mass Balance: False

Pollutant Relative Concentration file name: C:\WinSLAMM Files\WI_GEO03.ppdx

Source Area PSD and Peak to Average Flow Ratio File: C:\WinSLAMM Files\NURP Source Area PSD Files.csv

Cost Data file name:

If Other Device Pollutant Load Reduction Values = 1, Off-site Pollutant Loads are Removed from Pollutant Load % Reduction calculations

Seed for random number generator: -42

Study period starting date: 01/05/69

Study period ending date: 12/31/69

Start of Winter Season: 12/06

End of Winter Season: 03/28

Date: 03-29-2024

Time: 08:35:43

Site information: MUKWONAGO INFILTRATION CALCS

LU# 1 - Residential: PROPOSED AREA TO POND 1 Total area (ac): 4.600

1 - Roofs 1: 1.600 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz

13 - Paved Parking 1: 0.660 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz

45 - Large Landscaped Areas 1: 2.340 ac. Normal Sandy PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 2 - Residential: UNDETAINED Total area (ac): 0.280

51 - Small Landscaped Areas 1: 0.280 ac. Normal Sandy PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 3 - Residential: PROPOSED AREA TO POND 2 Total area (ac): 1.040

13 - Paved Parking 1: 0.560 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz

51 - Small Landscaped Areas 1: 0.480 ac. Normal Sandy PSD File: C:\WinSLAMM Files\NURP.cpz

Control Practice 1: Biofilter CP# 1 (DS) - POND # 1

1. Top area (square feet) = 10700

2. Bottom area (square feet) = 3340

3. Depth (ft): 6

4. Biofilter width (ft) - for Cost Purposes Only: 10

5. Infiltration rate (in/hr) = 3.6

6. Random infiltration rate generation? No

7. Infiltration rate fraction (side): 1

8. Infiltration rate fraction (bottom): 1

9. Depth of biofilter that is rock filled (ft) 0

10. Porosity of rock filled volume = 0

11. Engineered soil infiltration rate: 3.6

12. Engineered soil depth (ft) = 0.33

13. Engineered soil porosity = 0.25

14. Percent solids reduction due to flow through engineered soil = 0

15. Biofilter peak to average flow ratio = 3.8

16. Number of biofiltration control devices = 1

17. Particle size distribution file: Not needed - calculated by program

18. Initial water surface elevation (ft): 0

Soil Data Soil Type Fraction in Eng. Soil

Biofilter Outlet/Discharge Characteristics:

Outlet type: Broad Crested Weir

1. Weir crest length (ft): 10

2. Weir crest width (ft): 10

3. Height of datum to bottom of weir opening: 5.5

Outlet type: Surface Discharge Pipe

1. Surface discharge pipe outlet diameter (ft): 1.5

2. Pipe invert elevation above datum (ft): 2.33

3. Number of surface pipe outlets: 1

Control Practice 2: Biofilter CP# 2 (DS) - POND # 2

1. Top area (square feet) = 2920
2. Bottom area (square feet) = 880
3. Depth (ft): 4
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 3.6
6. Random infiltration rate generation? No
7. Infiltration rate fraction (side): 1
8. Infiltration rate fraction (bottom): 1
9. Depth of biofilter that is rock filled (ft) 0
10. Porosity of rock filled volume = 0
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 0.33
13. Engineered soil porosity = 0.25
14. Percent solids reduction due to flow through engineered soil = 0
15. Biofilter peak to average flow ratio = 3.8
16. Number of biofiltration control devices = 1
17. Particle size distribution file: Not needed - calculated by program
18. Initial water surface elevation (ft): 0

Soil Data Soil Type Fraction in Eng. Soil

Biofilter Outlet/Discharge Characteristics:

Outlet type: Broad Crested Weir

1. Weir crest length (ft): 10
2. Weir crest width (ft): 10
3. Height of datum to bottom of weir opening: 3.5

Outlet type: Surface Discharge Pipe

1. Surface discharge pipe outlet diameter (ft): 0.67
2. Pipe invert elevation above datum (ft): 0.33
3. Number of surface pipe outlets: 1

Data file name: Z:\Projects\2023\5172.00-WI\DESIGN\SWMP\SLAMM\5172.00 AZURA MUKWONAGO.mdb

WinSLAMM Version 10.4.1

Rain file name: C:\WinSLAMM Files\Rain Files\WI Milwaukee 69.RAN

Particulate Solids Concentration file name: C:\WinSLAMM Files\v10.1 WI_AVG01.pscx

Runoff Coefficient file name: C:\WinSLAMM Files\WI_SL06 Dec06.rsvx

Pollutant Relative Concentration file name: C:\WinSLAMM Files\WI_GEO03.ppdX

Residential Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std

Institutional Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std

Commercial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std

Industrial Street Delivery file name: C:\WinSLAMM Files\WI_Com Inst Indust Dec06.std

Other Urban Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban Dec06.std

Freeway Street Delivery file name: C:\WinSLAMM Files\Freeway Dec06.std

Apply Street Delivery Files to Adjust the After Event Load Street Dirt Mass Balance: False

Source Area PSD and Peak to Average Flow Ratio File: C:\WinSLAMM Files\NURP Source Area PSD Files.csv

Cost Data file name:

If Other Device Pollutant Load Reduction Values = 1, Off-site Pollutant Loads are Removed from Pollutant Load % Reduction calculations

Seed for random number generator: -42

Study period starting date: 01/05/69 Study period ending date: 12/31/69

Start of Winter Season: 12/06 End of Winter Season: 03/28

Model Run Start Date: 01/05/69 Model Run End Date: 12/31/69

Date of run: 03-29-2024 Time of run: 08:34:34

Total Area Modeled (acres): 5.920

Years in Model Run: 0.99

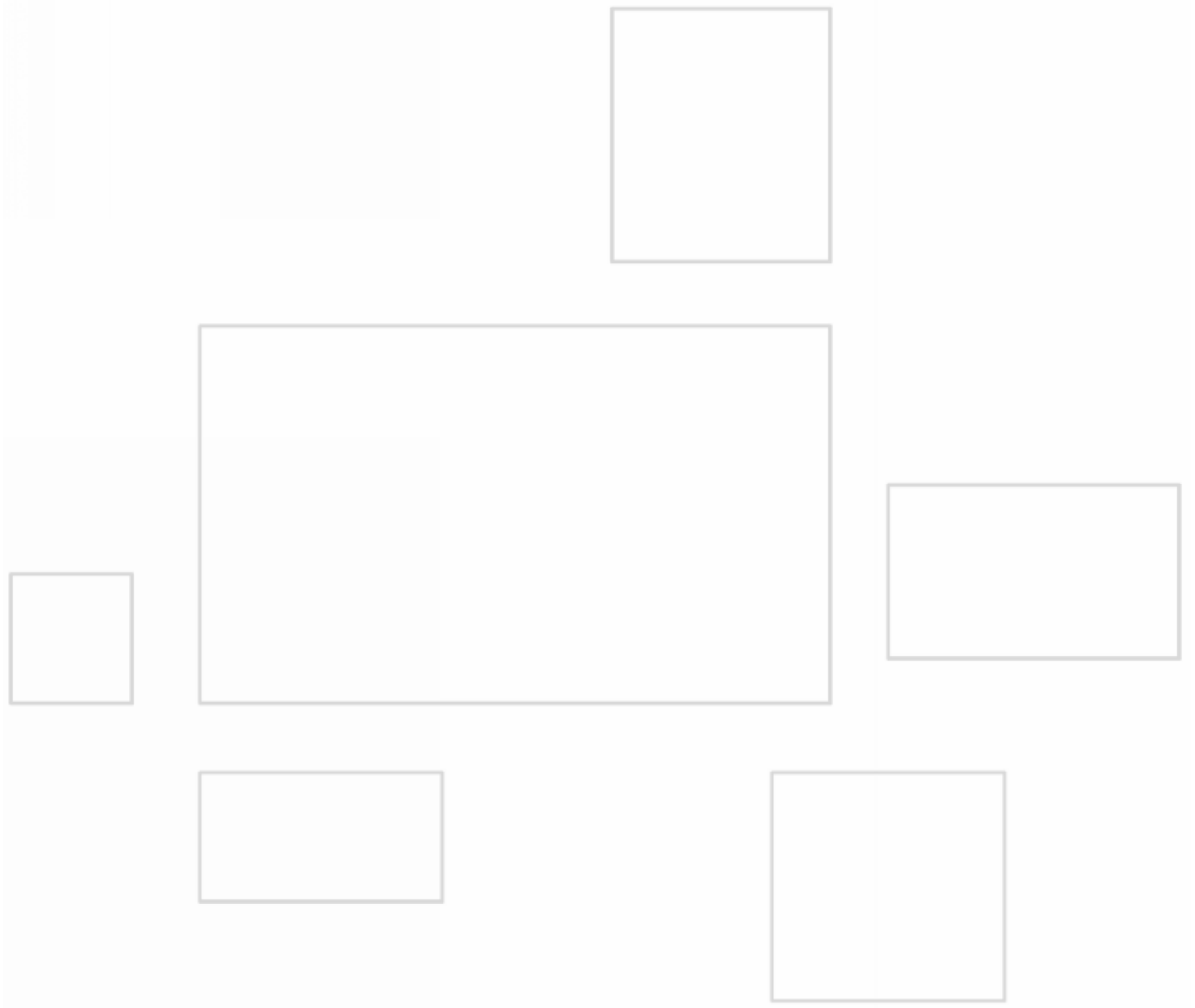
	Runoff Volume (cu ft)	Percent Runoff Volume Reduction	Particulate Solids Conc. (mg/L)	Particulate Solids Yield (lbs)	Percent Particulate Solids Reduction
Total of all Land Uses without Controls:	252047	-	74.08	1166	-
Outfall Total with Controls:	299.7	99.88%	227.0	4.247	99.64%
Annualized Total After Outfall Controls:	303.8			4.306	

Pollutant	Conc. No Controls	Conc. With Controls	Conc. Units	Pollutant Yield No Controls	Pollutant Yield With Controls	Pol. Yield Units	Percent Reduction
Particulate Solids	74.08	227.0	mg/L	1166	4.247	lbs	99.64 %
Particulate Phosphorus	0.1572	1.024	mg/L	2.474	0.01916	lbs	99.23 %

Data File: Z:\Projects\2023\5172.00-WI\DESIGN\SWMP\SLAMM\5172.00 AZURA MUKWONAGO.mdb								
Rain File: WI Milwaukee 69.RAN								
Date: 03-28-24 Time: 4:45:34 PM								
Site Description: MUKWONAGO INFILTRATION CALCS								
Runoff Volume Total (cf) at the Outfall								
Rain Number	Start Date	Rain Total (in)	Outfall Total (cf)	Rv	Total Losses (in.)	Calculated CN*	Event Peak Flow (cfs)	Pre-Dev Runoff Vol.
80	09/05/69	0.74	6.978	0.000	0.74	73.9	0.003	0
81	09/14/69	0.01	0	0.000	0.01	n/a	0.000	n/a
82	09/15/69	0.03	0	0.000	0.03	n/a	0.000	n/a
83	09/16/69	0.03	0	0.000	0.03	n/a	0.000	n/a
84	09/23/69	0.16	0	0.000	0.16	n/a	0.000	n/a
85	09/25/69	0.01	0	0.000	0.01	n/a	0.000	n/a
86	09/29/69	0.84	8.994	0.000	0.84	71.5	0.002	0
87	10/06/69	0.01	0	0.000	0.01	n/a	0.000	n/a
88	10/06/69	0.01	0	0.000	0.01	n/a	0.000	n/a
89	10/09/69	0.05	0	0.000	0.05	n/a	0.000	n/a
90	10/10/69	0.14	0	0.000	0.14	n/a	0.000	n/a
91	10/10/69	1.34	20.17	0.001	1.34	61.3	0.001	846
92	10/12/69	1.63	26.97	0.001	1.63	56.6	0.001	2193
93	10/15/69	0.16	0	0.000	0.16	n/a	0.000	n/a
94	10/19/69	0.44	2.446	0.000	0.44	82.5	0.000	0
95	10/19/69	0.35	1.384	0.000	0.35	85.5	0.000	0
96	10/21/69	0.02	0	0.000	0.02	n/a	0.000	n/a
97	10/24/69	0.01	0	0.000	0.01	n/a	0.000	n/a
98	10/30/69	0.32	1.017	0.000	0.32	86.5	0.000	0
99	11/02/69	0.77	7.619	0.000	0.77	73.2	0.000	0
100	11/11/69	0.05	0	0.000	0.05	n/a	0.000	n/a
101	11/11/69	0.04	0	0.000	0.04	n/a	0.000	n/a
102	11/13/69	0.03	0	0.000	0.03	n/a	0.000	n/a
103	11/17/69	0.15	0	0.000	0.15	n/a	0.000	n/a
104	11/18/69	0.02	0	0.000	0.02	n/a	0.000	n/a
105	11/19/69	0.01	0	0.000	0.01	n/a	0.000	n/a
106	11/26/69	0.07	0	0.000	0.07	n/a	0.000	n/a
107	12/07/69	-	-	-	-	-	-	-
108	12/11/69	-	-	-	-	-	-	-
109	12/16/69	-	-	-	-	-	-	-
110	12/21/69	-	-	-	-	-	-	-
111	12/23/69	-	-	-	-	-	-	-
112	12/24/69	-	-	-	-	-	-	-
113	12/24/69	-	-	-	-	-	-	-
114	12/27/69	-	-	-	-	-	-	-
115	12/28/69	-	-	-	-	-	-	-
116	12/31/69	-	-	-	-	-	-	-
Minimum:		0.00	0	0.000	0.01	52.1	0.000	0.0
Maximum:		1.96	35.77	0.001	1.96	90.2	0.009	4344.0
Average:		0.25	2.583	0.000	0.25	63.5	0.002	412.9
Total:		29.02	299.7		29.02			14453.00
* Note: NRCS does not recommend using CN method for rains < 0.5 in.								
See 'PreDevelopment Areas and CN' Help for more info.								

APPENDIX 5

GEOTECHNICAL INFORMATION





Construction • Geotechnical
Consulting Engineering/Testing

January 22, 2024
CM23219

Mr. Matthew Lyons
Azura Memory Care
1233 N. Mayfair Road, Suite 301
Milwaukee, WI 53226

Re: Geotechnical Exploration Report
Azura Memory Care
Chapman Farm Boulevard
Mukwonago, Wisconsin

Dear Mr. Lyons:

Construction • Geotechnical Consultants, Inc. (CGC) has completed the subsurface exploration program for the above-referenced project. The purpose of this program was to evaluate the subsurface conditions within the proposed construction area and to provide geotechnical recommendations regarding site preparation, foundation, floor slab, and pavement design/construction. A determination of the site class for seismic design is also included, along with a discussion of the on-site stormwater infiltration potential. We are providing you with an electronic copy of this report and can provide paper copies upon request.

PROJECT AND SITE DESCRIPTION

We understand that a new, one to two-story assisted living facility is proposed on the south side of Chapman Farm Boulevard in Mukwonago, Wisconsin. It will be an irregularly shaped building occupying about 49,000 square feet in plan area. The east half of the building will consist of 2 stories of assisted living and commons areas, while the western half of the building will consist of a 1 story memory care area. The building is expected to be of slab-on-grade construction without a below grade level. It is anticipated that the structure will be lightly to moderately loaded. A small 30 by 40 ft barn/pavilion structure is also indicated to be planned at the northeast corner of the site. The project will include associated paved parking lots and driveway to the north and east of the building, as well as a stormwater management basin which is proposed on the west end of the site. Specific details of the stormwater basin design are unknown at this time.

The proposed project site consists of a vacant 6.36-acre parcel of land with ground surface elevations ranging between about EL 841 along the southwestern portion of the site to about EL 852 on the east side of the site. The property is sparsely grass and weed covered. A tree line exists along the east and south property lines.

The proposed building elevations were not established at the time of this report. As such, based upon existing grades, a finished floor elevation (FFE) of EL 845 ft was estimated for the main building for purposes of this evaluation. However, it appears possible that the FFE for the west half of the building may be established somewhat lower than the east half to follow existing and surrounding grades more closely. A FFE of EL 851 was estimated for the Barn/Pavilion structure. Upon determination of the

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final FFEs for the planned building, we recommend that they be provided to us for review and possible revision to this report. Based upon existing grades within the main building area, it is anticipated that minor cuts of up to about 1.5 ft and moderate fills of up to about 2.5 ft will be required to achieve the assumed building pad grade. Minor cuts/fills are expected in the Barn/Pavilion area, as well as throughout the pavement areas. It is expected that some cutting will be required in the western portion of the site where the storm water basin will be located. The bottom elevation of the basin was not yet established at the time of this report.

SUBSURFACE CONDITIONS

Subsurface conditions on site were explored by drilling a total of thirteen (13) Standard Penetration Test (SPT) borings. The borings were extended to depths of 15 to 25 ft below existing site grades. Borings B-01 through B-09 and B-11 were extended to a depth of 20 ft below the existing site grade and were primarily located within the proposed main building area, except for boring B-11 which was in the east parking lot of the proposed building. Boring B-10 was extended to a depth of 15 ft below the existing grade in the proposed barn/pavilion area. The final two borings, B-12 and B-13 were extended 25 ft below the existing site grade within the proposed stormwater management basin. The borings were performed at locations selected by CGC in consultation with the client and located in the field by CGC. The approximate soil boring locations are shown in plan on the Soil Boring Location Exhibit attached in Appendix B. The borings were located utilizing a consumer grade, handheld GPS unit and are considered accurate to within several feet. The borings were drilled between December 20 and 22, 2023, by J&J Soil Testing, LTD (under subcontract to CGC) using a truck-mounted CME-45 drill rig equipped with hollow-stem augers and manually actuated rope and cathead pulley SPT hammer. The specific procedures used for drilling and sampling are described in Appendix A. The ground surface elevations at the borings were estimated by interpolation from the topographical survey information provided. They are considered accurate to within about a foot.

Representative samples of the subsoils were collected during the field explorations for classification and laboratory testing. The soils were classified by a geotechnical engineer using the Unified Soil Classification System (USCS). In addition, the samples from Borings B-12 and B-13 in the planned stormwater management basin area, were classified in accordance with the descriptive procedures, terminology and interpretations presented by the USDA - NRCS Field Book for Describing and Sampling Soils (version 3.0, dated September 2012). Pocket penetrometer readings were obtained on intact cohesive samples recovered during the exploration, where appropriate, to aid in the evaluation of their shear strength properties. Natural moisture content determination testing was completed on multiple representative samples of the clay soils. Laboratory test results are presented on the individual logs in Appendix B. The final logs prepared by the engineer per the USCS procedures are presented in Appendix B.

The subsurface profiles at the boring locations were fairly consistent across the site. A generalized profile can be described by the following strata (in descending order):

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- The surface of the site contained of about 8 to 21 in. (most commonly about 11 to 12 in.) of **dark brown clayey topsoil**. The surface materials were underlain by;
- About 0.5 to 2 ft of stiff to very stiff, **native brown lean and sandy clay**, with trace to little sand and gravel content, underlain by;
- Loose to very dense **brown gravelly sand or sand and gravel**, with trace to little silt, occasional zones of probable cobbles and boulders, and occasional sand or sandy silt layers extending to the termination depths of the borings.

Pocket penetrometer readings were performed on relatively undisturbed samples of the clayey soils to provide an estimate of the soil's unconfined compressive strength. Recorded pocket penetrometer readings ranged from about 1.5 tsf to 2.5 tsf, indicating stiff to very stiff conditions. Standard penetration resistances (N-values) on the native granular soils ranged from about 9 to 82 blows per foot (bpf) indicating loose to very dense conditions. Natural moisture contents of representative clay samples measured in our laboratory ranged from 9.5% to 18.8%, indicating moist to very moist conditions.

Groundwater was not encountered in most of the borings performed during or upon completion of drilling. Ground water was encountered in Borings B-03 and B-11 while drilling at depths of about 8 ft and 3.5 ft, respectively, corresponding to elevations of EL 846.0 ft and 835.0 ft. Based on the general lack of groundwater encountered across the site and soil coloration, we consider the long-term groundwater table to be located below the depths explored. As such, the groundwater encountered within Borings B-03 and B-11 is considered to represent a perched condition at those locations. Groundwater levels can be expected to fluctuate with seasonal variations in precipitation, infiltration, evapotranspiration, and other factors.

A more detailed description of the site soil and groundwater conditions is presented on the Soil Boring Logs attached in Appendix B.

DISCUSSION AND RECOMMENDATIONS

Subject to the limitations and design considerations discussed below and based on the subsurface exploration, it is our opinion that the site is suitable for the proposed construction following proper site preparation, and that the structure can be supported by conventional spread footing foundations bearing on suitable native soils or engineered fill placed upon suitable native soils.

Our recommendations for site preparation, foundation, floor slab, and pavement design/construction are presented in the following subsections. A determination of the site class for seismic design is also included, along with a discussion of the on-site stormwater infiltration potential. Additional information regarding the conclusions and recommendations presented in this report is discussed in Appendix C.

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1. Site Preparation

We recommend that topsoil, brush, any trees and associated rootballs be stripped at least 10 ft beyond the proposed construction areas, including areas requiring fill beyond the building footprints and pavement limits. The topsoil can be stockpiled on-site and later re-used as fill in landscaped areas. As mentioned earlier, topsoil was most commonly encountered about 11 to 12 in. thick at the soil boring locations. However, it was encountered as thin as about 8 in. in one location (Boring B-10) and as thick as about 21 in. at Boring B-07. Therefore, variable thicknesses should be expected between and beyond boring locations.

After the above-described stripping and removal operations are complete, the exposed soils are expected to predominantly consist of fine-grained cohesive soils. Overall, these soils exhibited stiff to very stiff conditions within the near-surface soil profile. In areas remaining at-grade or requiring fill, we recommend that cohesive soils be statically recompacted (i.e., without vibration) and subsequently proof-rolled with a piece of heavy rubber-tire construction equipment, such as a loaded tri-axle dump truck, to check for soft/yielding areas. Where unstable areas are encountered, an initial attempt should be made to aerate and densify the subgrade by recompaction where natural moisture contents are at appropriate levels (i.e., on the dry side of optimum moisture content). *However, drying and recompacting is highly weather dependent and could require multiple cycles of drying and recompacting to create an adequate stable subgrade. This will also be dependent on the depth of unstable soils present. Thick deposits will likely not benefit from surficial drying/recompacting.* If the above procedure is ineffective or infeasible, unstable soils should be undercut and replaced with suitable granular backfill compacted to at least 95% compaction based on modified Proctor methods (ASTM D1557) in accordance with our Recommended Compacted Fill Specifications presented in Appendix D. Alternatively, 3-in. dense graded base (DGB) that is placed in loose 10-in. lifts and compacted until deflection ceases can be used to restore grades in undercut areas. In some cases, it may be necessary to perform limited undercutting (on the order of 1.5 to 2± ft) and compact a layer of coarse crushed aggregate stabilizing material, such as an imported 3 in. breaker rock, into the subgrade to create stability. A relatively firm, non-yielding subgrade should be established prior to proceeding with fill placement. Incorporation of a woven geotextile fabric (e.g., Mirafi 600X or equivalent) and/or appropriately specified biaxial geogrids may need to be incorporated over undercut and/or disturbed subgrades, prior to stone placement, should instability concerns arise. Granular subgrades (if encountered) should be thoroughly recompacted with a vibratory smooth-drum roller, and zones that remain loose after recompaction should be undercut and replaced as described above. The proof-rolling, and any undercutting and stabilizing activities, should be monitored and documented by a representative of CGC and should be performed during dry weather conditions. Areas subsequently receiving fill should be checked for their pavement, floor slab and footing support suitability prior to fill placement. *We recommend that the project budget include a contingency and schedule for improving, stabilizing or undercutting/replacing unstable soils, if encountered.*

When a firm and stable subgrade is achieved, fill placement (where required) to establish building and pavement area grades can then proceed. To the extent possible, the use of granular soils (i.e., sands/gravels) as structural fill within the building envelopes and upper 3 to 4 ft in pavement areas is

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preferred because these soils are relatively easy to place and compact in most weather conditions compared to the predominant clay/silt soils. The use of the on-site materials in structural areas (especially the clay soils) will require close observation on a regular basis during fill placement including the monitoring of moisture contents, compaction levels, and the overall stability of the prepared fill subgrade. Some moisture conditioning (drying) of clay materials should be anticipated on a periodic basis to achieve desired compaction levels, which could delay construction progress. Moisture conditioning by discing and drying (aeration) may be required to achieve desired compaction levels, which is highly weather-dependent (i.e., dry, warm and windy conditions). Difficulty should be anticipated with the fine-grained clay and silt soils present on the site if fill placement proceeds during wet periods of the year. Conversely, if fill placement occurs during very dry periods, the addition of moisture may be required to aid in achieving desired compaction levels within cleaner granular soils. We recommend that fills placed within designated structural areas on the site be compacted to 95 percent of modified Proctor (ASTM D1557). Field density tests should be taken by CGC staff during fill placement to document the adequacy of the compactive effort.

We generally anticipate that excavation sidewalls can be sloped back according to OSHA requirements. The soils encountered in the borings consist of stiff to very stiff clays and loose to very dense granular soils. Where excavation occurs exclusively in OSHA “Type B” soils, such as in stiff clay (denoted CL on the boring logs), slopes of 1.0H:1.0V are expected to be at least temporarily stable. However, where excavations extend into OSHA “Type C” soils, such as sand, sand and gravel, or sandy silt soils (denoted SP, SP-SM, SW/GW and ML on the boring logs), slopes of 1.5H:1.0V are expected to be at least temporarily stable. Note that flatter side slopes may be required where perched or seeping water is present that destabilizes the side slopes. *The appropriate excavation side slopes should be determined by a competent person completing the earthwork in accordance with OSHA slope guidelines.*

2. Foundation Design

In our opinion, the proposed buildings can be supported on reinforced concrete spread footing foundations bearing on the stiff to very stiff native lean clays, the loose to very dense native sands, sand and gravel, or sandy silt, or new engineered fill placed upon a suitable native soil subgrade. Accordingly, the following parameters should be used for foundation design:

- **Maximum net allowable bearing pressure:**
 - Native stiff to very stiff lean clay,
loose to very dense sand, sand and gravel, or sandy silt,
or engineered fill soils placed upon those soils: 3,000 psf

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- **Minimum foundation widths:**
 - Continuous wall footings: 18 in.
 - Column pad footings: 30 in.
- **Minimum footing depths:**
 - Exterior/perimeter footings: 4 ft
 - Interior footings: no minimum requirement

- **Seismic Site Class:**

In our opinion, the average soil properties in the upper 100 ft of the site (based on SPT blow counts (N-values) within the granular soils between 15 and 50 blows/ft on average and undrained shear strength within the cohesive soils greater than 1,500 psf on average) can be characterized as a stiff soil profile. This characterization would place the site in **Class D** for seismic design according to International Building Code (see Table 1613.5.2).

Although generally not anticipated based upon the borings, undercutting below footings will be required where non-engineered fill, loose/disturbed silts and sands, or native clays with pocket penetrometer readings (an estimate of the unconfined compressive strength of cohesive soils) of less than 1.5 tsf are encountered at or slightly below footing grade. Where undercutting is required, the base of the undercut excavation should be widened beyond the footing edges at least 0.5 ft in each direction for each foot of undercut depth for stress distribution purposes. Granular backfill compacted to at least 95% compaction (modified Proctor, ASTM D1557) or well-compacted 3-in. dense graded base can be used to re-establish footing grade. Clear stone can be used to restore footing grade, but if the undercut depth exceeds 12 in. and granular soils prevail, the clear stone should be enveloped (completely wrapped) with non-woven geotextile fabric (e.g., Mirafi 160N or equivalent). As an alternative, structural lean-mixed concrete (having minimum 28-day compressive strength of 500 psi) can be used to restore footing grade where undercutting is required. If lean mix concrete is used, the width of the undercut excavation can also be reduced to a minimum of 6 in. wider than the footing width.

CGC should be present during footing excavations to check whether subgrades are satisfactory for the design bearing pressure and to advise on corrective measures, where necessary. We recommend using a smooth-edged backhoe bucket for footing excavations to minimize disturbance to the bearing soils. Soils potentially susceptible to disturbance should be hand trimmed or stabilized, as appropriate. If granular soils become surficially disturbed due to typical excavation procedures, recompaction with a large vibratory plate compactor or backhoe mounted vibratory plate may be recommended to redensify these materials to a suitable degree. Provided the foundation design/construction recommendations discussed above are followed, we estimate that total and differential settlements should be on the order of 1.0 and 0.5 in., respectively.

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3. Floor Slabs

Based upon existing grades and the estimated planned grades, floor slab subgrades are anticipated to consist of native stiff to very stiff cohesive soils, loose to very dense granular soils, or similar engineered fill soils used to raise grades. We recommend granular floor slab subgrades be thoroughly recompacted with a vibratory smooth-drum roller prior to concrete placement. Cohesive and fine-grained floor slab subgrades will require static recompaction (i.e., without vibration) and subsequent proof-rolling. Areas that remain loose after recompaction or where soft/yielding zones are observed should be undercut and replaced with well-compacted 3-in. DGB or granular fill as outlined in the Site Preparation section of this report.

To serve as a capillary break below floor slabs, the final 4 to 6 in. of soil placed below the slab should consist of well-graded sand or gravel with no more than 5% by weight passing a No. 200 U.S. standard sieve. Note, however, that some structural engineers require a 6-in. layer of DGB, such as 1¼ -in. DGB, below the slab to increase the subgrade modulus immediately below the slab. Fill and base layer material below the floor slab should be placed as described in the Site Preparation section of this report. To further minimize the potential for moisture migration, a plastic vapor barrier can also be utilized below the slab. We recommend using a subgrade modulus of 125 pci for the design of slabs bearing on a 4 to 6-in. thick sand/gravel layer above a firm or adequately stabilized subgrade. Floor slabs bearing on a minimum 6-in. thick layer of DGB above a firm or adequately stabilized base may be designed utilizing a subgrade modulus of 150 pci. The design subgrade moduli are based on a recompacted/stabilized subgrade such that non-yielding conditions are developed. The slabs should be structurally separate from the foundations and have construction joints and reinforcement for crack control. Fill and drainage course materials required to prepare floor slab subgrades should be placed in accordance with the guidelines presented in Appendix D. If clean crushed stone is used as a drainage course material, these materials should be densified until no deflection or settlement is observed under compaction equipment.

4. Elevator Pit Walls

We anticipate that the elevator pit walls will be laterally supported by the base slab, first floor slab and/or other structural means. Therefore, *at-rest* lateral earth pressures should be used during design of these walls. Walls that are not restrained from rotating can be designed for *active* earth pressures behind the walls and *passive* pressures in front of the walls. To reduce the buildup of such pressures, high-quality fill/backfill should be placed within 4 to 6 ft of the walls, consisting of well-graded sand or gravel having no more than 12% by weight passing the No. 200 U.S. standard sieve (i.e., USCS designations SP, SP-SM, GP or GP-GM). Soils containing cobbles/boulders should not be used in direct contact with elevator pit or retaining walls.

Compaction of the fill/backfill within 3 to 5 ft of the walls should be performed with lightweight equipment to avoid the development of excessive lateral earth pressures. The fill and wall backfill should be compacted to a minimum of 95% modified Proctor following Appendix D guidelines. Walls that are restrained from rotating and constructed in accordance with the above recommendations may

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be designed for an equivalent fluid pressure of 55 psf per ft of depth (*at rest conditions*). Walls not restrained from rotating constructed in accordance with the above recommendations may be designed for an *active* equivalent fluid pressure of 35 psf/ft behind the walls and *passive* pressures on the order of 200 psf/ft in front of the walls. The passive pressure value includes a safety factor of 2 to prevent excessive wall deflection. Additionally, the wall designs should also account for hydraulic pressures (if any, such as potentially during the event of high perched groundwater levels) as well as surcharge effects that could be applied during or after construction.

For the event of high perched groundwater levels, we recommend wrapping elevator pits in geomembrane to create a watertight structure (“bath tub”). As a result, we generally do not anticipate the need for a subfloor drainage layer below elevator pits.

5. Pavement Design

We anticipate that pavement design will be controlled by the clayey soils that were present in the near surface profile within the borings performed on this site. Subgrades should be prepared as described in the Site Preparation section of this report, with recompaction/proof-rolling completed prior to base course and asphalt placement. After final site grading, the subgrade soils should be proof-rolled/compacted as described in the Site Preparation section of this report. Soft/yielding areas should be undercut/removed and replaced with 3-in. dense graded base placed/compacted to re-establish grade to a firm and stable condition after undercutting.

For the main driveways that will circulate the building, we have assumed a traffic load of less than five 18-kip equivalent single axle load (ESAL) per day and Traffic Class II according to Wisconsin Asphalt Pavement Association (WAPA) recommendations. Less-traveled driveways and parking areas may potentially fall under Traffic Class I according to WAPA recommendations, assuming less than one ESAL per day. The pavement sections summarized in Table 1 below were selected assuming a Soil Support Value “SSV” of about 3.8 for a firm or adequately stabilized clay subgrade and a design life of 20 years.

TABLE 1
Recommended Pavement Sections

Material	Thicknesses (in.)		WDOT Specification ⁽¹⁾
	Traffic Class I (Light Duty)	Traffic Class II (Medium Duty)	
Bituminous Upper Layer ^(2,3)	1.5	1.75	Section 460, Table 460-1, 9.5 mm
Bituminous Lower Layer ^(2,3)	2.0	2.25	Section 460. Table 460-1, 12.5 mm
Dense Graded Base Course ^(2,4)	9.0	10.0	Sections 301 and 305, 3 in. and 1¼ in.
Total Thickness	12.5	14.0	

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Notes:

1. Wisconsin DOT *Standard Specifications for Highway and Structure Construction*, latest edition, including supplemental specifications, but excluding limitations in Section 460.3.2 relating layer thickness to aggregate size.
2. Compaction requirements:
 - Bituminous concrete: Refer to Section 460.3.3.1, Table 460-3.
 - Base course: 95% modified proctor (ASTM D1557); also refer to Section 301.3.4.2, Standard Compaction.
3. Mixture Type LT or equivalent asphaltic pavement is recommended. Refer to Section 460, Table 460-2 of the *Standard Specifications*.
4. The upper 4 in. should consist of 1¼-in. DGB; the bottom part of the layer can consist of 3-in. DGB.

Note that if traffic volumes are greater than those assumed, CGC should be allowed to review the recommended pavement section and adjust it accordingly. The pavement design assumes a stable/non-yielding subgrade which will be evaluated using proof-rolling techniques and that regular maintenance will occur during the life of the pavement to seal cracks, etc. Alternative pavement designs may prove acceptable and should be reviewed by CGC. If there is a delay between subgrade preparation and placing the base course, the subgrade should be recompact.

Where concrete pavement may be used, such as in pavement areas subjected to concentrated wheel loads (e.g., dumpster pads, etc.), we recommend that the concrete be at least 6 in. thick, contain mesh reinforcement for crack control, and be underlain by a minimum 6 in. of well graded granular soils. It is recommended that the edges of these pads be thickened to 12 in. to minimize cracking. A subgrade modulus of 125 pci should be used for concrete pavement design founded on recompact/stable soils.

It is recommended underdrains be placed within the subgrade, just below the granular base, to help reduce the potential for trapping water within the aggregate base layer. At a minimum, this should consist of installing radial drain tiles extending outward, from each interior catch basin for about 15 to 20 feet. In addition, drain tiles should extend along curb lines, 15 to 20 feet up the slope from curb inlets. Drain tile should be connected to the storm sewer manhole structures, catch basins, curb inlet basins, or other appropriate outlet. They could also be daylighted, if grades allow, to an appropriate area of the site. The drain tile should be at least 4 inches in diameter and consist of perforated PVC pipe placed beneath the base layer (or stabilizing layer if included), extending at least 8 inches into the subgrade. The pipe should be surrounded by 1-inch size clean stone, with the pipe and stone being wrapped with a non-woven filter fabric to reduce the potential of soils from migrating into and obstructing the pipe. It is also recommended that roof drains be connected to the stormwater collection system to minimize the potential for this water to enter the base and subgrade.

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6. Stormwater Design Considerations

A. Infiltration Considerations

The soils encountered within the borings performed in the stormwater management areas (Borings B-12 and B-13) were classified in accordance with the USDA Textural Soil Classification System. The soils encountered generally consist of a surface sandy clay loam topsoil layer, followed by a relatively thin sandy clay layer, underlain by very gravelly sand and sand to the boring termination depths. Based on the conditions encountered, it is our opinion that the very gravelly sand and sand soils have a relatively high capacity for infiltration of stormwater through the use of infiltration devices. NR-151 guidelines indicate infiltration rates shall be based on the least permeable soil horizon within 5 feet of the bottom elevation of the proposed infiltration system.

Should infiltration be performed at the site, the following parameters should be considered for design of the stormwater infiltration basin, based upon the soil classifications within the stormwater area borings:

Infiltration Potential: The following infiltration parameters were estimated using Table 2 of the WDNR Conservation Practice Standard 1002, *Site Evaluation for Storm Water Infiltration*. The estimated infiltration rates are as follows:

- | | |
|------------------------------------|-------------|
| • Sandy Clay (SC) | 0.04 in./hr |
| • Sandy Clay Loam (SCL) | 0.11 in./hr |
| • Very Gravelly Sand/Sand (VGRS/S) | 3.60 in./hr |

Note that the infiltration rates should be considered approximate since they are merely based on soil texture and do not account for in-place soil density and other factors, which will affect the infiltration rate. We recommend that the soils at and several feet below the bottom of stormwater management systems be checked by a geotechnical engineer or certified soil tester *in conjunction with the basin designer* to document that the soils are appropriate for the design infiltration rate or recommend remedial measures, if necessary. *Variability in the soil conditions should be expected across the site and within the stormwater basin that could result in a wide range of infiltration rates.*

Groundwater: Groundwater is a limiting factor for infiltration. Groundwater was not encountered within the depths of the stormwater area borings performed.

Bedrock: Bedrock is a limiting factor for infiltration. Bedrock was not encountered within the stormwater area borings within the depths explored.

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The very gravelly sand and sand soils encountered at 1.5 to 2 ft below existing site grades at Borings B-12 and B-13 are considered to contain less than 10 percent fines (i.e., percentage of silt and clay). Therefore, based upon the Wisconsin Administrative Code section NR151.12(5)(c)5.i, either a 3-ft thick soil layer having greater than 20 percent fines or a 5 ft thick soil layer having greater than 10 percent fines must be present between the bottom of the basin and the estimated SHWT. The planned bottom elevation of the stormwater management basin was not known at the time of this report. However, the SHWT at Borings B-12 and B-13 is considered to be greater than 25 ft below the existing site grades. Considering the estimated depth to the SHWT, we anticipate that the bottom elevation of the basin will be such that adequate separation in accordance with the requirements of the Wisconsin Administrative Code section NR151.12(5)(c)5.i will be achieved.

During construction of the proposed building and related site work, appropriate erosion control measures should be provided to prevent eroded soil from contaminating potential infiltration areas. Where appropriate, basin design should include pretreatment to remove fine-grained soils (silt/clay) from stormwater prior to entering the infiltration area(s). Additionally, a regular maintenance plan should be developed to remove silt/clay soils that may accumulate in the bottom of the basins over time. Failure to adequately control fine-grained soils from entering the infiltration area(s) or failure to regularly remove fine-grained soils that accumulate at the base of the basins will likely cause the basin to fail. Refer to WDNR Conservation Practice Standard 1002 and NR 151 for additional information.

The Soil and Site Evaluation-Storm form prepared by the Certified Soil Tester per USDA procedures is presented in Appendix E.

B. Detention Pond Considerations

In some instances, stormwater management basins may be designed as wet detention ponds with clay liners. Some of the lean clay soils encountered within the borings may be suitable for use as basin liner materials. Clay liner materials should be compacted to a minimum of 90 percent of the maximum dry density as determined by modified Proctor (ASTM D1557). The on-site lean clays (classified as "CL") appear suitable for reuse as liner quality material during liner construction; however, additional soil testing (P200 grain-size and Atterberg Limits) would be necessary to confirm their suitability dependent on the type of pond (Type A, B or C) required for this site. The moisture content of the cohesive soils at the time of compaction within basins should be within about 3 percent above the optimum moisture content. In general, fill placement/compaction should proceed in general accordance with our Recommended Compacted Fill Specifications presented in Appendix D.

The liner soils must be sufficient to resist lateral earth and water pressure, as well as outward migration that may occur, possibly through tension or shrinkage type cracks. Where it is necessary to raise grades around the basin, the fill soils must consist of clay soils that have relatively low permeabilities when properly placed and compacted.

Mr. Matthew Lyons
Azura Memory Care
January 22, 2024
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CONSTRUCTION CONSIDERATIONS

Due to variations in weather, construction methods and other factors, specific construction problems are difficult to predict. Soil related difficulties which could be encountered on the site are discussed below:

- Due to the sensitive nature of the on-site soils, we recommend that final site grading activities be completed during dry weather, if possible. Construction traffic should be avoided on prepared subgrades to minimize potential disturbance.
- Contingencies in the project budget for subgrade stabilization with coarse aggregate or other means in pavement and slab areas should be increased if the project schedule requires that work proceed during adverse weather conditions.
- Earthwork construction during the early spring or late fall could be complicated as a result of wet weather and freezing temperatures. During cold weather, exposed subgrades should be protected from freezing before and after footing construction. Fill should never be placed while frozen or on frozen ground.
- Excavations extending greater than 4 ft in depth below the existing ground surface should be sloped or braced in accordance with current OSHA standards.
- Based on the observations made during our field exploration, we generally do not expect groundwater to be encountered during construction, especially considering the underlying permeable granular soils. However, perched water was encountered at Borings B-03 and B-11, therefore some minor dewatering may be necessary. Water accumulating at the bottom of excavations as a result of precipitation or seepage should be quickly removed, with dewatering means and methods being the contractor's responsibility.

RECOMMENDED CONSTRUCTION MONITORING

The quality of the foundation, floor slab and pavement subgrades will be largely determined by the level of care exercised during site development. To check that earthwork and foundation construction proceeds in accordance with our recommendations, the following operations should be monitored by CGC:

- Topsoil stripping/removal and subgrade proof-rolling within the construction areas;
- Fill/backfill placement and compaction;
- Foundation excavation/subgrade preparation; and
- Concrete placement.



Mr. Matthew Lyons
Azura Memory Care
January 22, 2024
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* * * * *

It has been a pleasure to serve you on this project. If you have any questions or need additional consultation, please contact us.

Sincerely,

CGC, Inc.

Ted A. Cera, P.E.
Senior Consulting Professional

Paul J. Giese, P.E., C.S.T.
Senior Consulting Professional

Encl: Appendix A - Field Exploration
Appendix B - Soil Boring Location Exhibit
Logs of Test Borings (13)
Log of Test Boring-General Notes
Unified Soil Classification System
Appendix C - Document Qualifications
Appendix D - Recommended Compacted Fill Specifications
Appendix E - Soil and Site Evaluation – Storm Form (Borings B-12 and B-13)

APPENDIX A
FIELD EXPLORATION

APPENDIX A

FIELD EXPLORATION

Subsurface conditions on site were explored by drilling a total of thirteen (13) Standard Penetration Test (SPT) borings. The borings were extended to depths of 15 to 25 ft below existing site grades. Borings B-01 through B-09 and B-11 were extended to a depth of 20 ft below the existing site grade and were primarily located within the proposed building, except for boring B-11 which was in the east parking lot of the proposed building. Boring B-10 was extended to a depth of 15 ft below the existing grade within the proposed barn/pavilion area. The final two borings, B-12 and B-13 were extended 25 ft below the existing site grade within the proposed stormwater management basin. The borings were performed at locations selected by CGC in consultation with the client and located in the field by CGC. The approximate soil boring locations are shown in plan on the Soil Boring Location Exhibit attached in Appendix B. The borings were located utilizing a consumer grade, handheld GPS unit and are considered accurate to within several feet. The borings were drilled between December 20 and 22, 2023, by J&J Soil Testing, LTD (under subcontract to CGC) using a truck-mounted CME-45 drill rig equipped with hollow-stem augers and manually actuated rope and cathead pulley SPT hammer. The ground surface elevations at the borings were estimated by interpolation from the topographical survey information provided. They are considered accurate to within about a foot.

In each boring, soil samples were obtained at 2.5-foot intervals to a depth of 10 ft and at 5 ft intervals thereafter. However, as an exception, Borings B-12 and B-13 within the stormwater area were sampled at 2.5-foot intervals for the full depth of the borings. The soil samples were obtained in general accordance with specifications for standard penetration testing, ASTM D 1586. The specific procedures used for drilling and sampling are described below.

1. Boring Procedures between Samples

The boring is extended downward, between samples, by a hollow-stem auger.

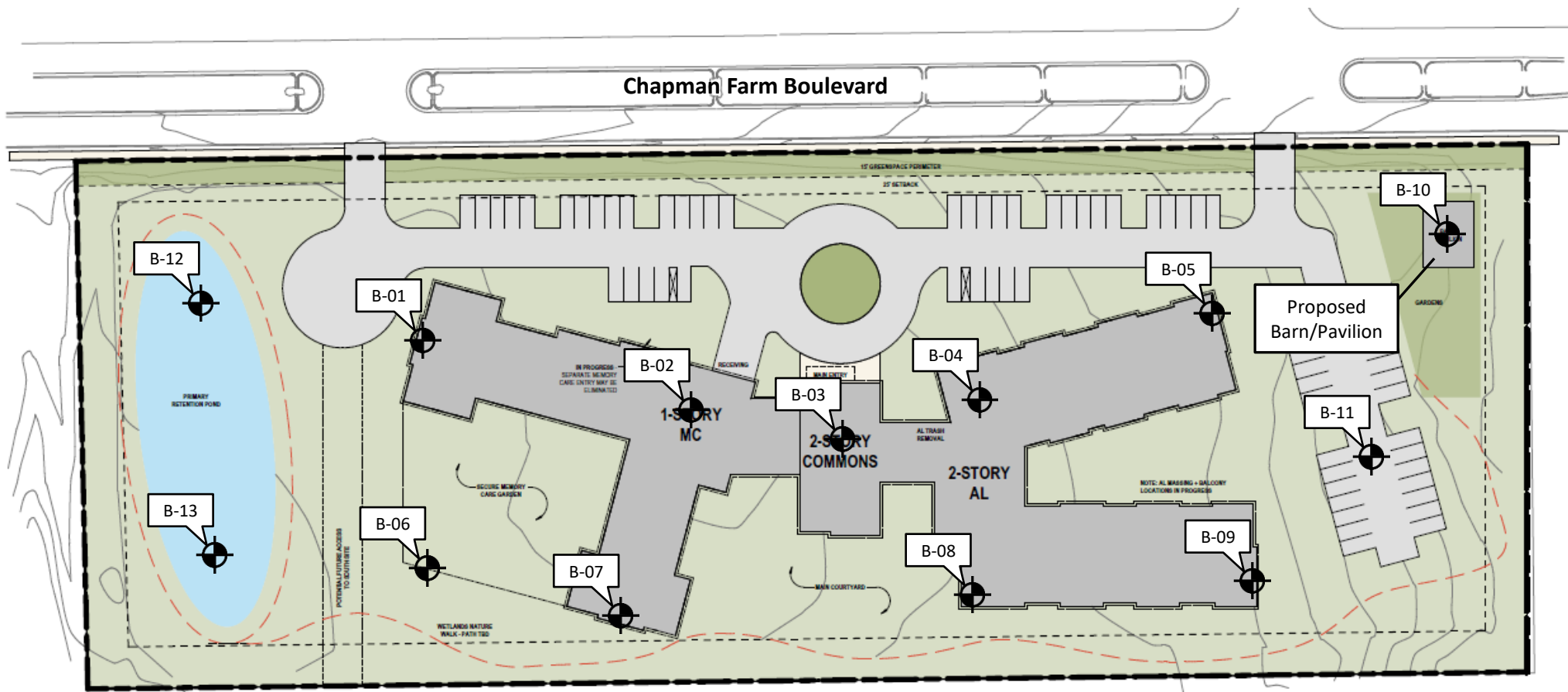
2. Standard Penetration Test and Split-Barrel Sampling of Soils
(ASTM Designation: D 1586)

This method consists of driving a 2-inch outside diameter split-barrel sampler using a 140-pound weight falling freely through a distance of 30 inches. The sampler is first seated 6 inches into the material to be sampled and then driven 12 inches. The number of blows required to drive the sampler the final 12 inches is recorded on the log of borings and is known as the Standard Penetration Resistance.

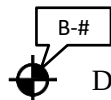
During the field exploration, the driller visually classified the soil and prepared a field log. *Field screening of the soil samples for possible environmental contaminants was not conducted by the drillers as these services were not part of CGC's work scope.* Water level observations were made in each boring during drilling and are shown at the bottom of each boring log. Upon completion of drilling, the borings were backfilled with bentonite to satisfy WDNr regulations and the soil samples were delivered to our laboratory for visual classification and laboratory testing. The soils were visually classified by a geotechnical engineer using the Unified Soil Classification System (USCS) and the soil samples within the stormwater management area borings were additionally classified by a certified soil tester (CST) using the United States Department of Agriculture (USDA) classification system. The final logs prepared by the engineer/CST and a description of the Unified Soil Classification System are presented in Appendix B and the Soil and Site Evaluation – Storm Form is enclosed in Appendix E.

APPENDIX B

**SOIL BORING LOCATION EXHIBIT
LOGS OF TEST BORINGS (13)
LOG OF TEST BORING-GENERAL NOTES
UNIFIED SOIL CLASSIFICATION SYSTEM**



Legend



Denotes Approximate Boring Location and Number

Notes

1. Soil borings performed by J&J Soil Testing, Ltd. between Dec. 20 and 22, 2023.
2. Base map provided by EUA.
3. Boring locations are approximate. Offsets from locations shown (if any) are described on the individual boring logs.

Date:
1-15-24

Job No.
CM23219

CGC, Inc.

SOIL BORING LOCATION EXHIBIT
Proposed Azura Memory Care Facility
Chapman Farm Boulevard
Mukwonago, Wisconsin

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LOG OF TEST BORING

Project Proposed Azura Memory Care Facility
Chapman Farm Boulevard
 Location Mukwonago, Wisconsin

Boring No. **B-01**
 Surface Elevation (ft) 843±
 Job No. **CM23219**
 Sheet 1 of 1

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LOI
					15" Dark Brown Clayey TOPSOIL					
1A/B	13	M	26		Stiff, Brown Sandy CLAY to Clayey SAND (CL-SC)		9.5			
2	12	M	82		Medium Dense to Very Dense, Brown Gravelly SAND; Trace to Little Silt (SP-SM)					
3A/B	16	M	72		Medium Dense, Brown Sandy SILT; Little Gravel, Trace Clay (ML)					
4	14	M	73/ 11"		Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
5	10	M	66							
6	12	M	57							
					End of Boring at 20 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling NW
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start 12/21/23 End 12/21/23
 Driller J&J Chief JP Rig CME-45
 Logger JP Editor TAC
 Drill Method 2.25" HSA

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
Location **Mukwonago, Wisconsin**

Boring No. **B-02**
Surface Elevation (ft) **843±**
Job No. **CM23219**
Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Excavation (in.)	Rec (in.)	Moist	N		qu (qa) (tsf)	W	LL	PL	LOI
					11" Dark Brown Clayey TOPSOIL					
1		12	M	7	Stiff, Brown Lean CLAY; Little Sand, Trace Gravel (CL)	(1.5-2.0)	15.4			
2		15	M	40	Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
3		15	M	70						
4		9	M	67						
5		14	M	70						
6		10	M	58						
					End of Boring at 20 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling ☒ NW
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

Start **12/21/23** End **12/21/23**
Driller **J&J** Chief **JP** Rig **CME-45**
Logger **JP** Editor **TAC**
Drill Method **2.25" HSA**

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
 Location **Mukwonago, Wisconsin**

Boring No. **B-03**
 Surface Elevation (ft) **843±**
 Job No. **CM23219**
 Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LOI
					15" Dark Brown Clayey TOPSOIL					
1A/B	11	M	4		Stiff, Brown Sandy CLAY; Trace Gravel (CL)		15.0			
					Loose, Brown Sandy SILT; Trace Clay (ML)					
2	8	M	9		Loose, Brown Gravelly SAND; Trace to Little Silt (SP-SM)					
				5						
3	14	M	39		Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
4A/B	18	W/M	66		Dense, Brown Sandy SILT; Little Gravel, Trace Clay (ML)					
				10	Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
5	11	M	31							
				15						
6	15	M	64							
				20						
					End of Boring at 20 ft Backfilled with Bentonite Chips					
				25						
				30						

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ **8.0'±** Upon Completion of Drilling **NW**
 Time After Drilling **(perched)** _____
 Depth to Water _____
 Depth to Cave in _____

Start **12/21/23** End **12/21/23**
 Driller **J&J** Chief **JP** Rig **CME-45**
 Logger **JP** Editor **TAC**
 Drill Method **2.25" HSA**

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
Location **Mukwonago, Wisconsin**

Boring No. **B-04**
Surface Elevation (ft) **844.5±**
Job No. **CM23219**
Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LOI
					12" Dark Brown Clayey TOPSOIL					
1	10	VM	7		Stiff, Brown Lean CLAY; Little Sand, Trace Gravel (CL)	(1.5-2.0)	16.5			
2	18	M	36		Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
3	15	M	71							
4	18	M	44		Dense, Brown Fine to Medium SAND; Trace to Little Gravel, Trace Silt (SP)					
5	14	M	62/ 8"		Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
6	12	M	64							
					End of Boring at 20 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling ☒ NW
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

Start **12/21/23** End **12/21/23**
Driller **J&J** Chief **JP** Rig **CME-45**
Logger **JP** Editor **TAC**
Drill Method **2.25" HSA**

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
 Location **Mukwonago, Wisconsin**

Boring No. **B-05**
 Surface Elevation (ft) **846.5±**
 Job No. **CM23219**
 Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LOI
					12" Dark Brown Clayey TOPSOIL					
1A/B	14	M	22		Stiff, Brown Lean CLAY; Little Sand, Trace Gravel (CL)	(2.0)	13.6			
					Medium Dense, Brown Gravelly SAND; Trace Silt (SW)					
2A/B	18	M	17		Medium Dense, Brown Fine to Medium SAND; Trace Silt (SP)					
3	18	M	49		Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
4	14	M	41							
					Dense, Brown Gravelly SAND; Trace Silt (SW)					
5A/B	16	M	44		Dense, Brown Sandy SILT; Little Gravel, Trace Clay (ML)					
					Very Dense, Brown SAND & GRAVEL; Trace Silt, Few Cobbles and Boulders (SW/GW)					
6	4	M	35/6"		End of Boring & Spoon Refusal at 19 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling ☒ NW
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start **12/22/23** End **12/22/23**
 Driller **J&J** Chief **JP** Rig **CME-45**
 Logger **JP** Editor **TAC**
 Drill Method **2.25" HSA**

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
 Location **Mukwonago, Wisconsin**

Boring No. **B-06**
 Surface Elevation (ft) **842.5±**
 Job No. **CM23219**
 Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Excavation (in.)	Rec (in.)	Moist	N		qu (qa) (tsf)	W	LL	PL	LOI
					9" Dark Brown Clayey TOPSOIL					
1		12	M	46	Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt, Few Fine to Medium Sand Layers (SW/GW)					
2		14	M	63						
3		15	M	67						
4		18	M	42						
5		15	M	30						
6		18	M	37						
					End of Boring at 20 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS					GENERAL NOTES				
While Drilling	∇	NW	Upon Completion of Drilling	NW	Start	12/20/23	End	12/20/23	
Time After Drilling					Driller	J&J	Chief	JP	Rig CME-45
Depth to Water					Logger	JP	Editor	TAC	
Depth to Cave in					Drill Method	2.25" HSA			

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
 Location **Mukwonago, Wisconsin**

Boring No. **B-07**
 Surface Elevation (ft) **843±**
 Job No. **CM23219**
 Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LOI
					21" Dark Brown Clayey TOPSOIL					
1	9	M	6		Stiff, Brown Lean CLAY; Little Sand, Trace Gravel (CL)	(1.5)	10.0			
2	13	M	54		Loose, Brown Silty Fine to Medium SAND; Trace Gravel (SM)					
				5	Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt, Few Brown Sand Layers (SW/GW)					
3	16	M	65							
4	12	M	70/ 11"	10						
				15						
5	18	M	30							
				20						
6	14	M	54							
				25						
				30						
					End of Boring at 20 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling ☒ NW
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start **12/20/23** End **12/20/23**
 Driller **J&J** Chief **JP** Rig **CME-45**
 Logger **JP** Editor **TAC**
 Drill Method **2.25" HSA**

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
 Location **Mukwonago, Wisconsin**

Boring No. **B-08**
 Surface Elevation (ft) **844.5±**
 Job No. **CM23219**
 Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Excavation (in.)	Rec (in.)	Moist	N		qu (qa) (tsf)	W	LL	PL	LOI
					11" Dark Brown Clayey TOPSOIL					
1		18	M	11	Medium Dense, Brown Fine to Medium SAND; Trace to Little Gravel, Trace Silt (SP)					
2		18	M	24						
3		18	M	50	Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
4		10	M	51						
5		18	M	32						
6		6	M	63						
					End of Boring at 20 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ **NW** Upon Completion of Drilling **NW**
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start **12/20/23** End **12/20/23**
 Driller **J&J** Chief **JP** Rig **CME-45**
 Logger **JP** Editor **TAC**
 Drill Method **2.25" HSA**

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
 Location **Mukwonago, Wisconsin**

Boring No. **B-09**
Surface Elevation (ft) **846±**
Job No. **CM23219**
Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks		SOIL PROPERTIES						
No.	Est. Depth (ft)	Rec (in.)	Moist	N			Depth (ft)	qu (qa) (tsf)	W	LL	PL	LOI	
							12" Dark Brown Clayey TOPSOIL						
1		15	M	7			Stiff to Very Stiff, Brown Lean CLAY; Little Sand, Trace Gravel (CL)	(2.0)	14.8				
							Medium Dense, Brown Gravelly SAND; Trace Silt (SW)						
2		18	M	27									
					5								
3		18	M	30			Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)						
4		10	M	40									
					10								
							Medium Dense, Brown Fine to Medium SAND; Trace to Little Gravel, Trace Silt (SP)						
5		14	M	34									
					15								
6		18	M	28									
					20		End of Boring at 20 ft Backfilled with Bentonite Chips						
					25								
					30								

WATER LEVEL OBSERVATIONS					GENERAL NOTES			
While Drilling	<u> ▽ </u>	<u> NW </u>	Upon Completion of Drilling	<u> NW </u>	Start	<u> 12/20/23 </u>	End	<u> 12/20/23 </u>
Time After Drilling	_____	_____	_____	_____	Driller	<u> J&J </u>	Chief	<u> JP </u>
Depth to Water	_____	_____	_____	_____	Rig	<u> CME-4 </u>		
Depth to Cave in	_____	_____	_____	_____	Logger	<u> JP </u>	Editor	<u> TAC </u>
					Drill Method	<u> 2.25" HSA </u>		
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.								



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
 Location **Mukwonago, Wisconsin**

Boring No. **B-10**
 Surface Elevation (ft) **850.5±**
 Job No. **CM23219**
 Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LOI
					8" Dark Brown Clayey TOPSOIL					
1A/B	12	VM	10		Very Stiff, Brown Lean CLAY; Little Sand, Trace Gravel (CL)	(2.5)	17.1			
					Medium Dense, Brown SILT; Trace Fine Sand (ML)					
2A/B	18	M	23		Medium Dense, Brown Fine to Medium SAND; Trace to Little Silt (SP/SP-SM)					
					Medium Dense to Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
3A/B	18	M	24							
4	13	M	41							
5	18	M	33							
					End of Boring at 15 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ **NW** Upon Completion of Drilling **NW**
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start **12/22/23** End **12/22/23**
 Driller **J&J** Chief **JP** Rig **CME-45**
 Logger **JP** Editor **TAC**
 Drill Method **2.25" HSA**

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
 Location **Mukwonago, Wisconsin**

Boring No. **B-11**
Surface Elevation (ft) **849.5±**
Job No. **CM23219**
Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE						VISUAL CLASSIFICATION and Remarks		SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)			qu (qa) (tsf)	W	LL	PL	LOI
							9" Dark Brown Clayey TOPSOIL					
1A/B		13	M	12			Stiff, Brown Lean CLAY; Little Sand, Trace Gravel (CL)	(2.0)	15.6			
							Medium Dense, Brown Gravelly SAND; Trace to Little Silt (SP-SM)					
2		16	W/M	38			Medium Dense, Brown SILT; Trace Fine Sand (ML)					
					5							
3		18	M	59			Medium Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
4		18	M	29								
					10							
5A/B		14	M/W	30			Dense, Brown Sandy SILT; Little Gravel, Trace Clay, Few Sand and Gravel Seams (ML)					
					15							
6		18	M/W/ M	33								
					20							
							End of Boring at 20 ft Backfilled with Bentonite Chips					
					25							
					30							

WATER LEVEL OBSERVATIONS

While Drilling	∇	3.5'±	Upon Completion of Drilling	NW
Time After Drilling		(perched)		
Depth to Water				
Depth to Cave in				

GENERAL NOTES

Start	12/20/23	End	12/20/23	
Driller	J&J	Chief	JP	Rig CME-45
Logger	JP	Editor	TAC	
Drill Method	2.25" HSA			

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
Location **Mukwonago, Wisconsin**

Boring No. **B-12**
Surface Elevation (ft) **842.5±**
Job No. **CM23219**
Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LOI
					12" Dark Brown Clayey TOPSOIL					
1A/B	14	VM	18		Stiff to Very Stiff, Brown Lean CLAY; Little Sand, Trace Gravel (CL)	(1.5-2.5)	18.8			
2	12	M	69		Medium Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW) (Few Cobbles 14 to 17± ft)					
3	9	M	100							
4	15	M	42							
5	11	M	70/ 10"							
6A/B	14	M	73							
7	0	M	30/0"							
8	18	M	29		Medium Dense, Brown Fine to Medium SAND; Trace Silt (SP)					
9	15	M	59		Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
10	16	M	55							
					End of Boring at 25 ft Backfilled with Bentonite Chips					
WATER LEVEL OBSERVATIONS					GENERAL NOTES					
While Drilling ☒ NW Upon Completion of Drilling ☒ NW					Start 12/21/23 End 12/21/23					
Time After Drilling _____					Driller J&J Chief JP Rig CME-45					
Depth to Water _____					Logger JP Editor TAC					
Depth to Cave in _____					Drill Method 2.25" HSA					
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.										



LOG OF TEST BORING

Project **Proposed Azura Memory Care Facility**
Chapman Farm Boulevard
 Location **Mukwonago, Wisconsin**

Boring No. **B-13**
 Surface Elevation (ft) **841.5±**
 Job No. **CM23219**
 Sheet **1** of **1**

336 S. Curtis Rd, West Allis, WI 53214 (414) 443-2000, FAX (414) 443-2099

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LOI
					10" Dark Brown Clayey TOPSOIL					
1A/B	14	M	24		Stiff, Brown Sandy CLAY; Trace Gravel (CL)	(1.5)	14.5			
					Medium Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
2	11	M	66							
				5						
3A/B	18	M	61							
4	13	M	42							
				10						
5	10	M	79/ 11"							
6	12	M	70/ 9"							
				15						
7A/B	18	M	33		Medium Dense to Dense, Brown Fine to Medium SAND; Trace to Little Gravel, Trace Silt (SP)					
8	18	M	23							
				20						
9A/B	13	M	44		Dense to Very Dense, Brown SAND & GRAVEL; Trace Silt (SW/GW)					
10	15	M	53							
				25						
					End of Boring at 25 ft Backfilled with Bentonite Chips					
				30						

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling ☒ NW
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start **12/20/23** End **12/20/23**
 Driller **J&J** Chief **JP** Rig **CME-45**
 Logger **JP** Editor **TAC**
 Drill Method **2.25" HSA**

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

LOG OF TEST BORING

General Notes

DESCRIPTIVE SOIL CLASSIFICATION

Grain Size Terminology

Soil Fraction	Particle Size	U.S. Standard Sieve Size
Boulders	Larger than 12"	Larger than 12"
Cobbles.....	3" to 12"	3" to 12"
Gravel: Coarse.....	¾" to 3"	¾" to 3"
Fine.....	4.76 mm to ¾"	#4 to ¾"
Sand: Coarse.....	2.00 mm to 4.76 mm.....	#10 to #4
Medium	0.42 to mm to 2.00 mm.....	#40 to #10
Fine.....	0.074 mm to 0.42 mm.....	#200 to #40
Silt	0.005 mm to 0.074 mm.....	Smaller than #200
Clay	Smaller than 0.005 mm.....	Smaller than #200

Plasticity characteristics differentiate between silt and clay.

General Terminology

Physical Characteristics
Color, moisture, grain shape, fineness, etc.

Major Constituents
Clay, silt, sand, gravel

Structure
Laminated, varved, fibrous, stratified, cemented, fissured, etc.

Geologic Origin
Glacial, alluvial, eolian, residual, etc.

Relative Density

Term	"N" Value
Very Loose.....	0 - 4
Loose.....	4 - 10
Medium Dense.....	10 - 30
Dense.....	30 - 50
Very Dense.....	Over 50

Relative Proportions Of Cohesionless Soils

Proportional Term	Defining Range by Percentage of Weight
Trace.....	0% - 5%
Little.....	5% - 12%
Some.....	12% - 35%
And.....	35% - 50%

Consistency

Term	q _u -tons/sq. ft
Very Soft.....	0.0 to 0.25
Soft.....	0.25 to 0.50
Medium.....	0.50 to 1.0
Stiff.....	1.0 to 2.0
Very Stiff.....	2.0 to 4.0
Hard.....	Over 4.0

Organic Content by Combustion Method

Soil Description	Loss on Ignition
Non Organic.....	Less than 4%
Organic Silt/Clay.....	4 - 12%
Sedimentary Peat.....	12% - 50%
Fibrous and Woody Peat...	More than 50%

Plasticity

Term	Plastic Index
None to Slight.....	0 - 4
Slight.....	5 - 7
Medium.....	8 - 22
High to Very High ..	Over 22

The penetration resistance, N, is the summation of the number of blows required to effect two successive 6" penetrations of the 2" split-barrel sampler. The sampler is driven with a 140 lb. weight falling 30" and is seated to a depth of 6" before commencing the standard penetration test.

SYMBOLS

Drilling and Sampling

CS – Continuous Sampling
RC – Rock Coring: Size AW, BW, NW, 2"W
RQD – Rock Quality Designation
RB – Rock Bit/Roller Bit
FT – Fish Tail
DC – Drove Casing
C – Casing: Size 2 ½", NW, 4", HW
CW – Clear Water
DM – Drilling Mud
HSA – Hollow Stem Auger
FA – Flight Auger
HA – Hand Auger
COA – Clean-Out Auger
SS - 2" Dia. Split-Barrel Sample
2ST – 2" Dia. Thin-Walled Tube Sample
3ST – 3" Dia. Thin-Walled Tube Sample
PT – 3" Dia. Piston Tube Sample
AS – Auger Sample
WS – Wash Sample
PTS – Peat Sample
PS – Pitcher Sample
NR – No Recovery
S – Sounding
PMT – Borehole Pressuremeter Test
VS – Vane Shear Test
WPT – Water Pressure Test

Laboratory Tests

q_a – Penetrometer Reading, tons/sq ft
q_a – Unconfined Strength, tons/sq ft
W – Moisture Content, %
LL – Liquid Limit, %
PL – Plastic Limit, %
SL – Shrinkage Limit, %
LI – Loss on Ignition
D – Dry Unit Weight, lbs/cu ft
pH – Measure of Soil Alkalinity or Acidity
FS – Free Swell, %

Water Level Measurement

▽ - Water Level at Time Shown
NW – No Water Encountered
WD – While Drilling
BCR – Before Casing Removal
ACR – After Casing Removal
CW – Cave and Wet
CM – Caved and Moist

Note: Water level measurements shown on the boring logs represent conditions at the time indicated and may not reflect static levels, especially in cohesive soils.

CGC, Inc.

Madison - Milwaukee

UNIFIED SOIL CLASSIFICATION SYSTEM

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

COARSE-GRAINED SOILS (more than 50% of material is larger than No. 200 sieve size.)		
GRAVELS More than 50% of coarse fraction larger than No. 4 sieve size	Clean Gravels (Less than 5% fines)	
	 GW	Well-graded gravels, gravel-sand mixtures, little or no fines
	 GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
	Gravels with fines (More than 12% fines)	
	 GM	Silty gravels, gravel-sand-silt mixtures
	 GC	Clayey gravels, gravel-sand-clay mixtures
SANDS 50% or more of coarse fraction smaller than No. 4 sieve size	Clean Sands (Less than 5% fines)	
	 SW	Well-graded sands, gravelly sands, little or no fines
	 SP	Poorly graded sands, gravelly sands, little or no fines
	Sands with fines (More than 12% fines)	
	 SM	Silty sands, sand-silt mixtures
	 SC	Clayey sands, sand-clay mixtures
FINE-GRAINED SOILS (50% or more of material is smaller than No. 200 sieve size.)		
SILTS AND CLAYS Liquid limit less than 50%	 ML	Inorganic silts and very fine sands, rock flour, silty of clayey fine sands or clayey silts with slight plasticity
	 CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
	 OL	Organic silts and organic silty clays of low plasticity
SILTS AND CLAYS Liquid limit 50% or greater	 MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
	 CH	Inorganic clays of high plasticity, fat clays
	 OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS	 PT	Peat and other highly organic soils

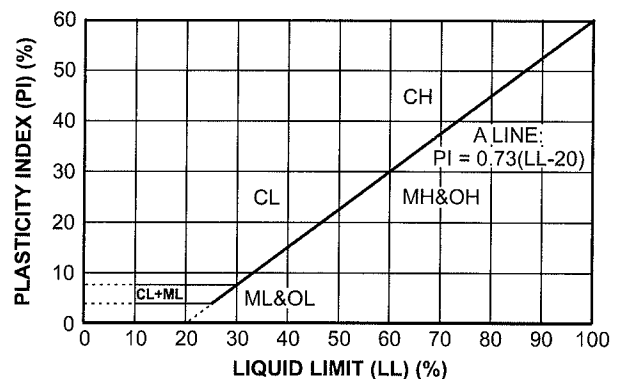
LABORATORY CLASSIFICATION CRITERIA

GW	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3	
GP	Not meeting all gradation requirements for GW	
GM	Atterberg limits below "A" line or P.I. less than 4	Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols
GC	Atterberg limits above "A" line with P.I. greater than 7	
SW	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3	
SP	Not meeting all gradation requirements for GW	
SM	Atterberg limits below "A" line or P.I. less than 4	Limits plotting in shaded zone with P.I. between 4 and 7 are borderline cases requiring use of dual symbols.
SC	Atterberg limits above "A" line with P.I. greater than 7	

Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:

Less than 5 percent GW, GP, SW, SP
More than 12 percent GM, GC, SM, SC
5 to 12 percent Borderline cases requiring dual symbols

PLASTICITY CHART



APPENDIX C
DOCUMENT QUALIFICATIONS

APPENDIX C

DOCUMENT QUALIFICATIONS

I. GENERAL RECOMMENDATIONS/LIMITATIONS

CGC, Inc. should be provided the opportunity for a general review of the final design and specifications to confirm that earthwork and foundation requirements have been properly interpreted in the design and specifications. CGC should be retained to provide soil engineering services during excavation and subgrade preparation. This will allow us to observe that construction proceeds in compliance with the design concepts, specifications and recommendations, and also will allow design changes to be made in the event that subsurface conditions differ from those anticipated prior to the start of construction. CGC does not assume responsibility for compliance with the recommendations in this report unless we are retained to provide construction testing and observation services.

This report has been prepared in accordance with generally accepted soil and foundation engineering practices and no other warranties are expressed or implied. The opinions and recommendations submitted in this report are based on interpretation of the subsurface information revealed by the test borings indicated on the location plan. The report does not reflect potential variations in subsurface conditions between or beyond these borings. Therefore, variations in soil conditions can be expected between the boring locations and fluctuations of groundwater levels may occur with time. The nature and extent of the variations may not become evident until construction.

II. IMPORTANT INFORMATION ABOUT YOUR GEOTECHNICAL ENGINEERING REPORT

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes. While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared *solely* for the client. *No one except you* should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one - not even you* - should apply the report for any purpose or project except the one originally contemplated.

READ THE FULL REPORT

Serious problems have occurred because those relying on a geotechnical engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A GEOTECHNICAL ENGINEERING REPORT IS BASED ON A UNIQUE SET OF PROJECT-SPECIFIC FACTORS

Geotechnical engineers consider a number of unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, *do not rely on a geotechnical engineering report* that was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light industrial plant to a refrigerated warehouse,
- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes - even minor ones - and request an assessment of their impact. *CGC cannot accept responsibility or liability for problems that occur because our reports do not consider developments of which we were not informed.*

SUBSURFACE CONDITIONS CAN CHANGE

A geotechnical engineering report is based on conditions that existed at the time the geotechnical engineer performed the study. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

MOST GEOTECHNICAL FINDINGS ARE PROFESSIONAL OPINION

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgement to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ - sometimes significantly - from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most

effective method of managing the risks associated with unanticipated conditions.

A REPORT'S RECOMMENDATIONS ARE NOT FINAL

Do not over-rely on the confirmation-dependent recommendations included in your report. *Those confirmation-dependent recommendations are not final*, because geotechnical engineers develop them principally from judgement and opinion. Geotechnical engineers can finalize their recommendations *only* by observing actual subsurface conditions revealed during construction. *CGC cannot assume responsibility or liability for the report's confirmation-dependent recommendations if we do not perform the geotechnical-construction observation required to confirm the recommendations' applicability.*

A GEOTECHNICAL ENGINEERING REPORT IS SUBJECT TO MISINTERPRETATION

Other design team members' misinterpretation of geotechnical engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Constructors can also misinterpret a geotechnical engineering report. Confront that risk by having CGC participate in prebid and preconstruction conferences, and by providing geotechnical construction observation.

DO NOT REDRAW THE ENGINEER'S LOGS

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

GIVE CONSTRUCTORS A COMPLETE REPORT AND GUIDANCE

Some owners and design professionals mistakenly believe they can make constructors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give constructors the complete geotechnical engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise constructors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure constructors have sufficient time* to perform additional study. Only then might you be in a position to give constructors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

READ RESPONSIBILITY PROVISIONS CLOSELY

Some clients, design professionals, and constructors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic

expectations that have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineer's responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

ENVIRONMENTAL CONCERNS ARE NOT COVERED

The equipment, techniques, and personnel used to perform an *environmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical engineering report does not usually relate any environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own environmental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

OBTAIN PROFESSIONAL ASSISTANCE TO DEAL WITH MOLD

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, many mold prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; ***none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention.*** ***Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.***

RELY ON YOUR GEOTECHNICAL ENGINEER FOR ADDITIONAL ASSISTANCE

Membership in the Geotechnical Business Council (GBC) of Geoprofessional Business Association exposes geotechnical engineers to a wide array of risk confrontation techniques that can be of genuine benefit for everyone involved with a construction project. Confer with CGC, a member of GBC, for more information.

Modified and reprinted with permission from:

Geotechnical Business Council
of the Geoprofessional Business Association
8811 Colesville Road, Suite G 106
Silver Spring, MD 20910

APPENDIX D

RECOMMENDED COMPACTED FILL SPECIFICATIONS

APPENDIX D

CGC, INC.

RECOMMENDED COMPACTED FILL SPECIFICATIONS

General Fill Materials

Proposed fill shall contain no vegetation, roots, topsoil, peat, ash, wood or any other non-soil material which by decomposition might cause settlement. Also, fill shall never be placed while frozen or on frozen surfaces. Rock, stone or broken concrete greater than 6 in. in the largest dimension shall not be placed within 10 ft of the building area. Fill used greater than 10 ft beyond the building limits shall not contain rock, boulders or concrete pieces greater than a 2 sq ft area and shall not be placed within the final 2 ft of finish subgrade or in designated utility construction areas. Fill containing rock, boulders or concrete pieces should include sufficient finer material to fill voids among the larger fragments.

Special Fill Materials

In certain cases, special fill materials may be required for specific purposes, such as stabilizing subgrades, backfilling undercut excavations or filling behind retaining walls. For reference, WisDOT gradation specifications for various types of granular fill are attached in Table 1.

Placement Method

The approved fill shall be placed, spread and leveled in layers generally not exceeding 10 in. in thickness before compaction. The fill shall be placed at a moisture content capable of achieving the desired compaction level. For clay soils or granular soils containing an appreciable amount of cohesive fines, moisture conditioning will likely be required.

It is the Contractor's responsibility to provide all necessary compaction equipment and other grading equipment that may be required to attain the specified compaction. Hand-guided vibratory or tamping compactors will be required whenever fill is placed adjacent to walls, footings, columns or in confined areas.

Compaction Specifications

Maximum dry density and optimum moisture content of the fill soil shall be determined in accordance with modified Proctor methods (ASTM D1557). The recommended field compaction as a percentage of the maximum dry density is shown in Table 2. Note that these compaction guidelines would generally not apply to coarse gravel/stone fill. Instead, a method specification would apply (e.g., compact in thin lifts with a vibratory compactor until no further consolidation is evident).

Testing Procedures

Representative samples of proposed fill shall be submitted to CGC, Inc. for optimum moisture-maximum density determination (ASTM D1557) prior to the start of fill placement. The sample size should be approximately 50 lb.

CGC, Inc. shall be retained to perform field density tests to determine the level of compaction being achieved in the fill. The tests shall generally be conducted on each lift at the beginning of fill placement and at a frequency mutually agreed upon by the project team for the remainder of the project.

Table 1
Gradation of Special Fill Materials

Material	WisDOT Section 311	WisDOT Section 312	WisDOT Section 305			WisDOT Section 209		WisDOT Section 210
	Breaker Run	Select Crushed Material	3-in. Dense Graded Base	1 1/4-in. Dense Graded Base	3/4-in. Dense Graded Base	Grade 1 Granular Backfill	Grade 2 Granular Backfill	Structure Backfill
Sieve Size	Percent Passing by Weight							
6 in.	100							
5 in.		90-100						
3 in.			90-100					100
1 1/2 in.		20-50	60-85					
1 1/4 in.				95-100				
1 in.					100			
3/4 in.			40-65	70-93	95-100			
3/8 in.				42-80	50-90			
No. 4			15-40	25-63	35-70	100 (2)	100 (2)	25-100
No. 10		0-10	10-30	16-48	15-55			
No. 40			5-20	8-28	10-35	75 (2)		
No. 100						15 (2)	30 (2)	
No. 200			2-12	2-12	5-15	8 (2)	15 (2)	15 (2)

Notes:

1. Reference: Wisconsin Department of Transportation *Standard Specifications for Highway and Structure Construction*.
2. Percentage applies to the material passing the No. 4 sieve, not the entire sample.
3. Per WisDOT specifications, both breaker run and select crushed material can include concrete that is 'substantially free of steel, building materials and other deleterious material'.

Table 2
Compaction Guidelines

Area	Percent Compaction (1)	
	Clay/Silt	Sand/Gravel
<u>Within 10 ft of building lines</u>		
Footing bearing soils	93 - 95	95
Under floors, steps and walks		
- Lightly loaded floor slab	90	90
- Heavily loaded floor slab and thicker fill zones	92	95
<u>Beyond 10 ft of building lines</u>		
Under walks and pavements		
- Less than 2 ft below subgrade	92	95
- Greater than 2 ft below subgrade	90	90
Landscaping	85	90

Notes:

1. Based on Modified Proctor Dry Density (ASTM D 1557)

APPENDIX E

SOIL AND SITE EVALUATION – STORM FORM (BORINGS B-12 AND B-13)

SOIL AND SITE EVALUATION - STORM

In accordance with SPS 382.365, 385, Wis. Adm. Code, and WDNR Standard 1002

Page 1 of 1

Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and BM referenced to nearest road.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s.15.04 (1) (m)).

Property Owner Michael A. Chapman Descendants' Trust and Laurie G. Chapman Descendants' Trust				Property Location Chapman Farm Boulevard						
Property Owner's Mailing Address W299 S8915 Hwy 83				Govt. Lot SW 1/4 NW 1/4 SEC 23 T5N R18E						
City Mukwonago				State WI	Zip Code 53149	Phone Number	Lot # 2	Block # --	Subd. Name or CSM# CSM # 11714	
City Mukwonago				State WI	Zip Code 53149	Phone Number	☐ City	☒ Village	☐ Town	
								Nearest Road N. Rochester Street		

Drainage area: _____ ☐ sq. ft. ☐ acres	Hydraulic Application Test Method ☒ Morphological Evaluation ☐ Double-Ring Infiltrometer ☐ Other (Specify) _____	Soil Moisture Date of soil borings: 12/20-22/23 USDA-NRCS WETS Value: ☐ Dry = 1 ☒ Normal = 2 ☐ Wet = 3
Test Site Suitable for (check all that apply) ☐ Bioretention ☐ Subsurface Dispersal System ☐ Reuse ☐ Irrigation ☐ Other _____		

B-12	Obs. #	☒ Boring ☐ Pit	Ground Surface Elev. <u>842.5±</u> ft	Elevation of limiting factor <u><817.5±</u> ft
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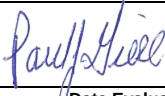
Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frag.	% Fines	Hydraulic App. Rate Inches/Hr
1	0-12	10YR2/2	--	SCL*	0,m	mfr	g	<5	55	0.11
2	12-24	10YR3/3	--	SC	0,m	mfi	g	<5	55	0.04
3	24-204	10YR5/4	--	VGRS	0,sg	mfr	g	35-60	<10	3.60
4	204-246	10YR6/2	--	S	0,sg	mfr	g	<5	<10	3.60
5	246-300	10YR6/2	--	VGRS	0,sg	mfr	g	35-60	<10	3.60

Comments: * Topsoil layer. Note: No groundwater encountered during or upon completion of drilling.

B-13	Obs. #	☒ Boring ☐ Pit	Ground Surface Elev. <u>841.5±</u> ft	Elevation of limiting factor <u><816.5±</u> ft
-------------	---------------	--	--	--

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frag.	% Fines	Hydraulic App. Rate Inches/Hr
1	0-10	10YR2/2	--	SCL*	0,m	mfr	g	<5	55	0.11
2	10-18	10YR3/4	--	SC	0,m	mfi	g	5	55	0.04
3	18-198	10YR5/4	--	VGRS	0,sg	mfr	g	35-60	<10	3.60
4	198-264	10YR6/2	--	S	0,sg	mfr	g	<5	<10	3.60
5	264-300	10YR6/2	--	VGRS	0,sg	mfr	g	35-60	<10	3.60

Comments: * Topsoil layer. Note: No groundwater encountered during or upon completion of drilling.

CST/PSS Name (Please Print) Paul J. Giese, CST	Signature 	CST Number SP-030800004
Address 336 S. Curtis Road, West Allis, WI 53214	Date Evaluation Conducted 1/15/24	Telephone Number (414) 443-2000

SBD-10793 (R.01/17)



Enterprise Lighting Ltd

Manufacturers' Representative

Date: Mar 27, 2024

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
Fax: (262) 953-2710

Job Name
Azura - Mukwonago, WI
ELL24-128909
Mukwonago WI

Bid Date
Mar 27, 2024

Submittal Date
Mar 27, 2024

Engineer:
Pinnacle Engineering Group
20725 Watertown Road
Brookfield WI 53186



Enterprise Lighting Ltd
Manufacturers' Representative

Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
From: Andrea Goral

Project Azura - Mukwonago, WI
Quote# ELL24-128909
Location Mukwonago WI
To Pinnacle Engineering Group
20725 Watertown Road
Suite 100
Brookfield WI 53186
Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- | | | |
|--|---|--------|
| ☒ Drawings | ☐ Specifications | Other: |
| ☐ Prints | ☐ Information | |
| ☐ Plans | ☐ Submittals | |

THESE ARE TRANSMITTED FOR:

- | | | |
|--|---|---------------------------------|
| ☐ Prior Approval | ☐ Resubmittal for Approval | ☐ Record |
| ☐ Approval | ☐ Corrections | Bids due on: |
| ☐ Approval as Submitted | ☒ Your Use | Other: |
| ☐ Approval as Noted | ☐ Review and Comment | |

Type	MFG	Part
OA3-H	Lithonia Exterior	RSX1 LED P3 **K R3 *VOLT* SPA HS *FINISH
OA3-H	Lithonia Exterior	SSS 20 4C DM19AS *FINISH*
OA4S-H	Lithonia Exterior	RSX1 LED P3 **K R4S *VOLT* SPA HS *FINISH
OA4S-H	Lithonia Exterior	SSS 20 4C DM19AS *FINISH*
OW0-1	Lithonia Exterior	WPX0 LED ALO1 SWW2 MVOLT PE DDBXD M2
OW1-1	Lithonia Exterior	WPX1 LED P1 **K MVOLT PE *FINISH*

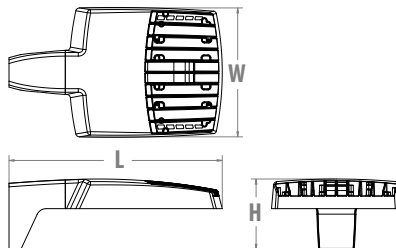


RSX1 LED Area Luminaire



Specifications

EPA (ft²@0°):	0.57 ft² (0.05 m²)
Length:	21.8" (55.4 cm) (SPA mount)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
Weight: (SPA mount):	22.0 lbs (10.0 kg)



Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED	**VERIFY**	**VERIFY**			
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide ¹ R5S Type 5 Short ¹ AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) ² HVOLT (347V-480V) ³ XVOLT (277V-480V) ⁴ (use specific voltage for options as noted) 120 ³ 277 ⁵ 208 ³ 347 ⁵ 240 ³ 480 ⁵	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁶ WBA Wall bracket ¹ WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting ⁶ AARP Adjustable tilt arm round pole mounting ⁶ AAWB Adjustable tilt arm with wall bracket ⁶ AAWSC Adjustable tilt arm wall bracket and surface conduit box ⁶

Options	**VERIFY**
Shipped Installed HS House-side shield ⁷ PE Photocontrol, button style ⁸,⁹ PER7 Seven-wire twist-lock receptacle only (no controls) ⁹,¹⁰,¹¹ SF Single fuse (120, 277, 347) ⁵ DF Double fuse (208, 240, 480) ⁵ SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output ⁹ DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ⁹	Shipped Installed *Standalone and Networked Sensors/Controls (factory default settings, see table page 9) NLTAIR2 PIRHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor ⁹,¹²,¹³,¹⁴ BAA Buy America(n) Act Compliant CCE Coastal Construction ¹⁵ *Note: NLTAIR2 PIRHN with nLight AIR can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted. Shipped Separately (requires some field assembly) EGS External glare shield ⁷ EGFV External glare full visor (360° around light aperture) ⁷ BS Bird spikes ¹⁶
	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLTXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

Catalog Number:

RSX1 LED P3 **K R3 *VOLT* SPA
HS *FINISH

Notes:

Type:**OA3-H**

ELL24-128909

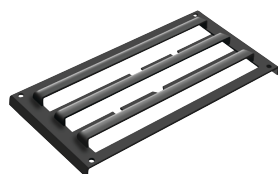
Ordering Information**Accessories**

Ordered and shipped separately.

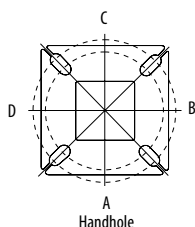
RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glare shield (specify finish)
RSX1EGV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) ¹
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) ¹⁷
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) ¹⁷
DSHORT SBK U	Shorting cap ¹⁷

NOTES

- Any Type 5 distribution, is not available with WBA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Maximum tilt is 90° above horizontal.
- It may be ordered as an accessory.
- Requires MVOLT or 347V.
- Two or more of the following options cannot be combined including PE, DMG, PER7, FAO and NLTAIR2 PIRHN. Exception: PE and FAO can be combined; also PE and DMG can be combined.
- Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- Must be ordered with PIRHN.
- Requires MVOLT or HVOLT.
- Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGPV and BS.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields**House Side Shield****External Glare Shield****External 360 Full Visor****Pole/Mounting Information**

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

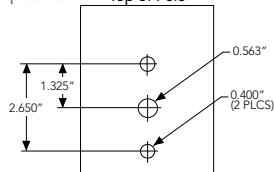
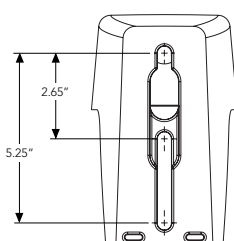
HANDHOLE ORIENTATION

Handhole

RSX POLE DRILLING

Template #8

Top of Pole

**RSX STANDARD ARM & ADJUSTABLE ARM****Round Tenon Mount - Pole Top Slipfitters**

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	RPA, AARP	AS3-5190	AS3-5280	AS3-5290	AS3-5320	AS3-5390	AS3-5490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt									
SPA - Square Pole Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor		0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor		0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

Catalog Number:

RSX1 LED P3 **K R3 *VOLT* SPA
HS *FINISH

Notes:

Type:**OA3-H**

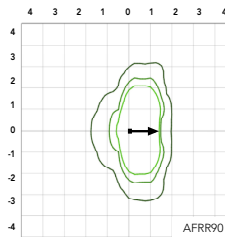
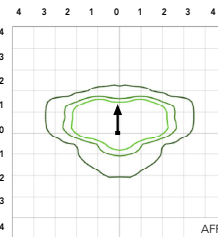
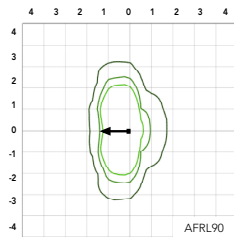
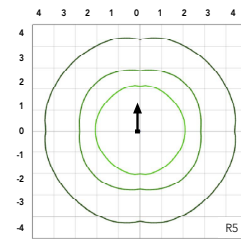
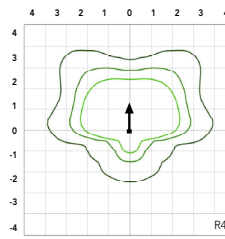
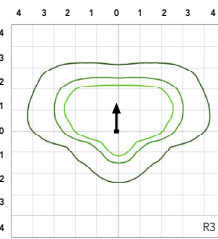
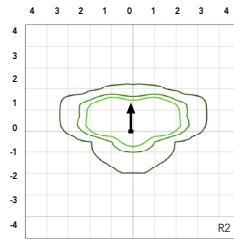
ELL24-128909

Photometric DiagramsTo see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [RSX Area homepage](#).

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').

LEGEND

0.1 fc
0.5 fc
1.0 fc

**Performance Data****Lumen Ambient Temperature (LAT) Multipliers**

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.



Performance Data

Lumen Output
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125



Enterprise Light
Manufacturers' Representative

Job Name:

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

Catalog Number:

RSX1 LED P3 **K R3 *VOLT* SPA
HS *FINISH

Notes:

Type:**OA3-H**

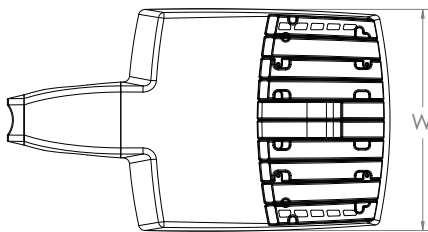
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Dimensions & Weights

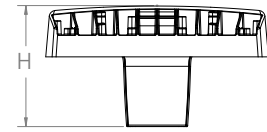
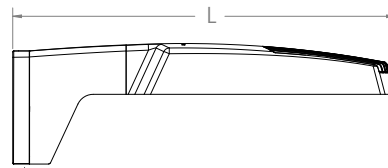
Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

RSX1 with Round Pole Adapter (RPA)



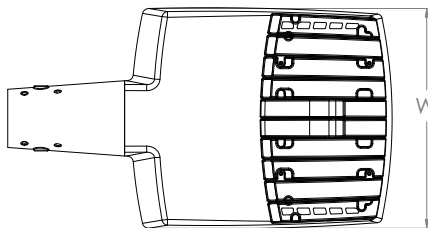
Length: 22.8" (57.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.4 cm) Arm



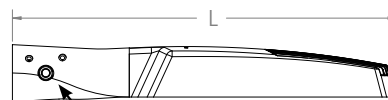
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



RSX1 with Mast Arm Adapter (MA)

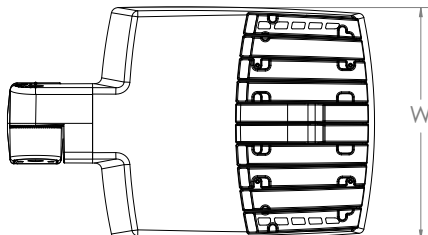


Length: 23.2" (59.1 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
3.5" (8.9 cm) Arm

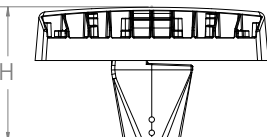
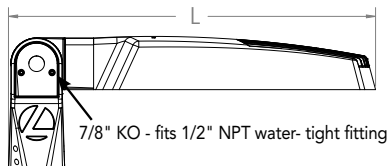


7/16" locking thru bolt/nut provided

RSX1 with Adjustable Slipfitter (IS)



Length: 20.7" (52.7 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.6" (19.3 cm) Arm



7/8" KO - fits 1/2" NPT water-tight fitting



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Lithonia RSX1 Area LED
Rev. 06/27/23
Page 5 of 9

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

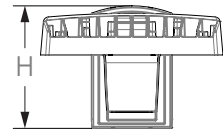
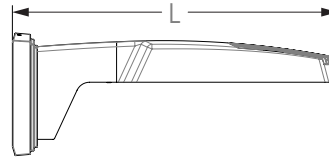
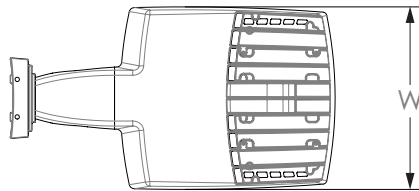
Catalog Number:

RSX1 LED P3 **K R3 *VOLT* SPA
HS *FINISH

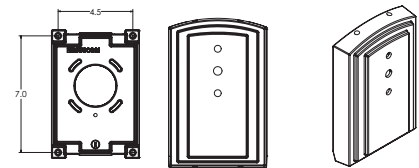
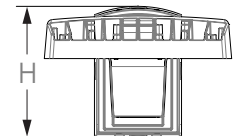
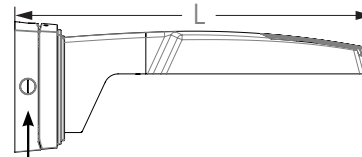
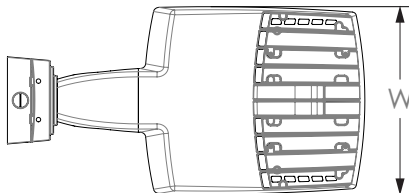
Notes:

Type:**OA3-H**

ELL24-128909

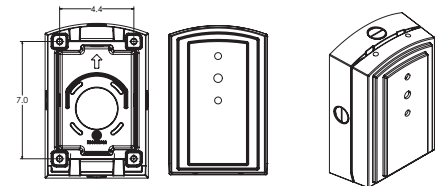
Dimensions**RSX1 with Wall Bracket (WBA)**

Length: 23.6" (59.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail**RSX1 with Wall Bracket with Surface Conduit Box (WBASC)**

3/4" NPT taps with plugs - Qty (4) provided

Length: 25.3" (64.3 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

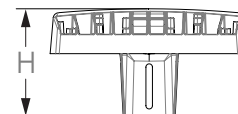
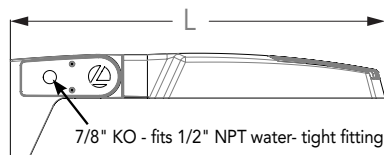
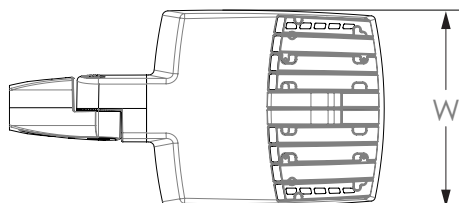
Catalog Number:

RSX1 LED P3 **K R3 *VOLT* SPA
HS *FINISH

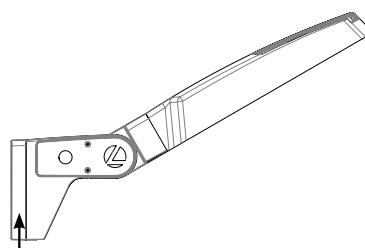
Notes:

Type:**OA3-H**

ELL24-128909

Dimensions**RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)**

Length: 25.3" (65.3 cm) AASP
26.3" (66.8 cm) AARP
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

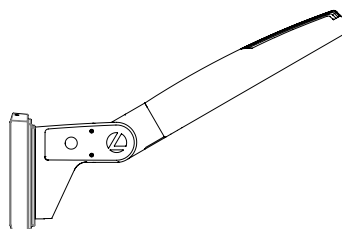
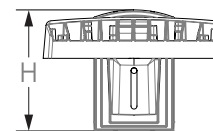
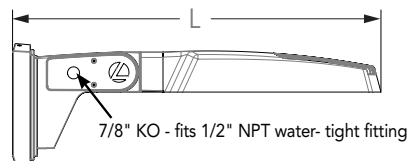
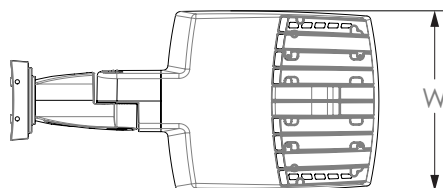
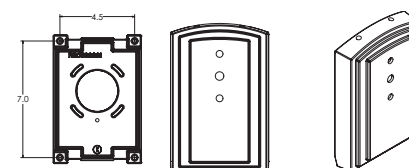
**NOTE:**

RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

**Notes**

AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)**Wall Bracket (WBA) Mounting Detail**

Length: 27.1" (68.8 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm



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Lithonia RSX1 Area LED
Rev. 06/27/23
Page 7 of 9

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

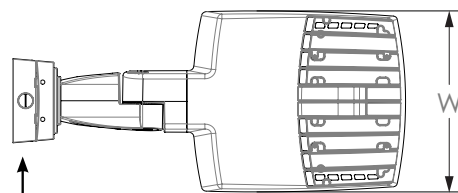
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RSX1 LED P3 **K R3 *VOLT* SPA
HS *FINISH

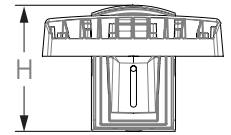
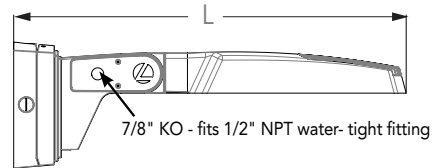
Notes:

Type:**OA3-H**

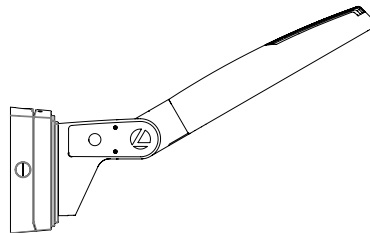
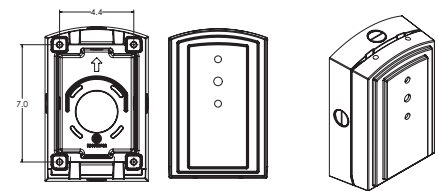
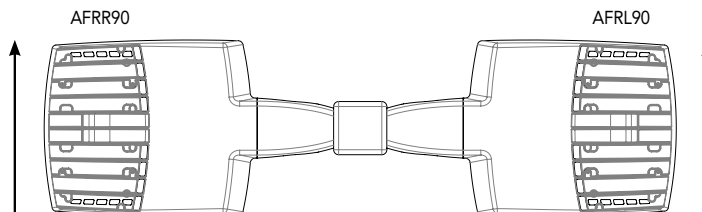
ELL24-128909

Dimensions**RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)**

3/4" NPT taps
with plugs - Qty (4)
provided



Length: 28.8" (73.2 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

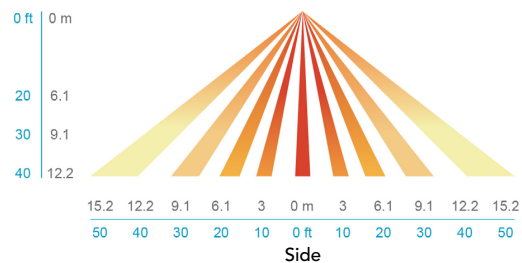
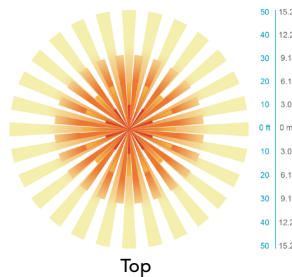
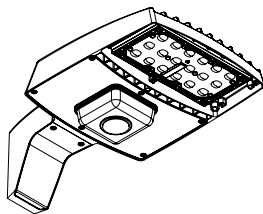
**Surface Conduit Box (SCB) Mounting Detail****Automotive Front Row - Rotated Optics (AFRL90/R90)**

(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clarity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is tilted.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warranted not to crack or peel.

COASTAL CONSTRUCTION (CCE)

ptional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under superYurable paint. Provides additional corrosion protection for applications nearUoastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with cribe rating of 10. Additional lead-times apply.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFR90 and ARFL90.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. U.S. Patent No. D882, 1465

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Submitted by Enterprise Lighting, LTD.  Enterprise Lighting Manufacturers' Representatives	Job Name: Azura - Mukwonago, WI Engineer: Pinnacle Engineering Group (Brookfield)	Catalog Number: SSS 20 4C DM19AS *FINISH* Notes:	Type: OA3-H ELL24-128909
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FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — Do not erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL



SSS Square Straight Steel Poles

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

SSS	20 = 20 Feet				**VERIFY**
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness ¹	Mounting ²	Options	Finish
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <u>KAC/KAD/KSE/KSF/KVR/KVF</u> <u>Drill mounting³</u> DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° <u>CSX/DSX/RSX/AERIS™/OMERO™/KAX Drill mounting³</u> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° <u>RAD drill mounting³</u> DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° <u>ESX Drill mounting³</u> DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	Shipped installed VD Vibration damper ⁴ HAXy Horizontal arm bracket (1 fixture) ^{5,6} FDLxy Festoon outlet less electrical ^{5,7} CPL12/xy 1/2" coupling ⁵ CPL34/xy 3/4" coupling ⁵ CPL1/xy 1" coupling ⁵ NPL12/xy 1/2" threaded nipple ⁵ NPL34/xy 3/4" threaded nipple ⁵ NPL1/xy 1" threaded nipple ⁵ EHXy Extra handhole ^{5,8} STLHHC Steel handhole cover (standard is plastic, finish is smooth) ⁹ FBCSTL2PC 2 Piece steel base cover (standard is plastic) ⁹ IC Interior coating ¹⁰ L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant ¹¹ VM/original order# Match pole to prior order or project ¹²	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes ¹³ [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5 year warranty extension RAL#### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

NOTES:

- Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
Example: DM28/T20.
- Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
- On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
Example: Pole height is 25ft. A provision cannot be placed above 16ft.
- Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAXxy.
Example: HA20BD.
- FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
- Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
- Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
- Provides enhanced corrosion resistance. N/A with GALV.
- Use when mill certifications are required.
- Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders.
Example: VM/010-36784
- Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: Order as separate catalog number.

PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust											
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft²) with 1.3 gust						Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	605

NOTE: EPA values are based ASCE 7-93 wind map.
* For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013																	
Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25	-	-	205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25	-	-	445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).
*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

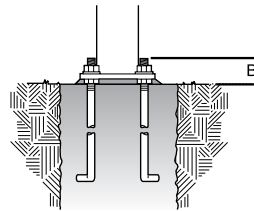
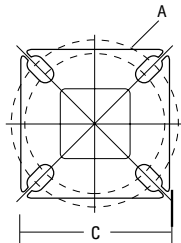
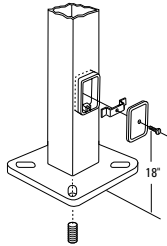
Catalog Number:

SSS 20 4C DM19AS *FINISH*

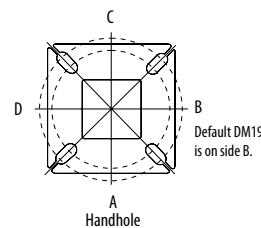
Notes:

Type:**OA3-H**

ELL24-128909

SSS Square Straight Steel Poles**BASE DETAIL****ANCHORAGE AND TEMPLATE INFORMATION**

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Bolt size (in. x in. x in.)	Anchor bolt and template description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	1 x 36 x 4	N/A

HANDHOLE ORIENTATION**IMPORTANT INSTALLATION NOTES:**

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



POLE-SSS

OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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Rev. 09/18/23



Enterprise Lighting
Manufacturers' Representative

Job Name:

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

Catalog Number:

RSX1 LED P3 **K R4S *VOLT* SPA
HS *FINISH

Notes:

Type:**OA4S-H**

ELL24-128909



RSX1 LED Area Luminaire

**Specifications**

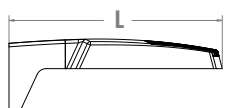
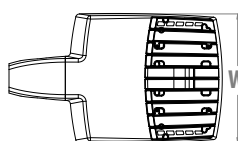
EPA
(ft²@0°): 0.57 ft² (0.05 m²)

Length: 21.8" (55.4 cm)
(SPA mount)

Width: 13.3" (33.8 cm)

Height: 3.0" (7.6 cm) Main Body
7.2" (18.4 cm) Arm

Weight: 22.0 lbs (10.0 kg)
(SPA mount):

Catalog
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.

*See ordering tree for details

**Ordering Information****EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD**

RSX1 LED		**VERIFY**		**VERIFY**	
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide ¹ R5S Type 5 Short ¹ AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) ² HVOLT (347V-480V) ³ XVOLT (277V-480V) ⁴ (use specific voltage for options as noted) 120 ³ 277 ⁵ 208 ³ 347 ⁵ 240 ³ 480 ⁵	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁶ WBA Wall bracket ¹ WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting ⁶ AARP Adjustable tilt arm round pole mounting ⁶ AAWB Adjustable tilt arm with wall bracket ⁶ AAWSC Adjustable tilt arm wall bracket and surface conduit box ⁶

					VERIFY
Options					Finish
Shipped Installed					
HS	House-side shield ⁷				DDBXD Dark Bronze
PE	Photocontrol, button style ^{8,9}				DBLXD Black
PER7	Seven-wire twist-lock receptacle only (no controls) ^{9,10,11}				DNAXD Natural Aluminum
SF	Single fuse (120, 277, 347) ⁵				DWHXD White
DF	Double fuse (208, 240, 480) ⁵				DDBTXD Textured Dark Bronze
SPD20KV	20KV Surge pack (10KV standard)				DBLTXD Textured Black
FAO	Field adjustable output ⁹				DNATXD Textured Natural Aluminum
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) ⁹				DWHGXD Textured White
Shipped Separately					
*Standalone and Networked Sensors/Controls (factory default settings, see table page 9)					
NLTAIR2 PIRHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor ^{9,12,13,14}					
BAA Buy America(n) Act Compliant					
CCE Coastal Construction ¹⁵					
*Note: NLTAIR2 PIRHN with nLight AIR can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.					
Shipped Separately (requires some field assembly)					
EGS External glare shield ⁷					
EGFV External glare full visor (360° around light aperture) ⁷					
BS Bird spikes ¹⁶					



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Lithonia RSX1 Area LED
Rev. 06/27/23
Page 1 of 9

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

Catalog Number:

RSX1 LED P3 **K R4S *VOLT* SPA
HS *FINISH

Notes:

Type:**OA4S-H**

ELL24-128909

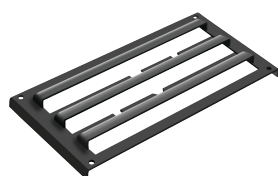
Ordering Information**Accessories**

Ordered and shipped separately.

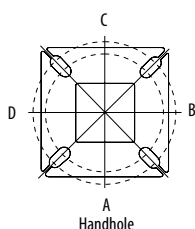
RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glares shield (specify finish)
RSX1EGV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) ¹
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) ¹⁷
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) ¹⁷
DSHORT SBK U	Shorting cap ¹⁷

NOTES

- Any Type 5 distribution, is not available with WBA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Maximum tilt is 90° above horizontal.
- It may be ordered as an accessory.
- Requires MVOLT or 347V.
- Two or more of the following options cannot be combined including PE, DMG, PER7, FAO and NLTAIR2 PIRHN. Exception: PE and FAO can be combined; also PE and DMG can be combined.
- Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- Must be ordered with PIRHN.
- Requires MVOLT or HVOLT.
- Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGPV and BS.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

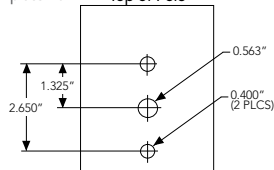
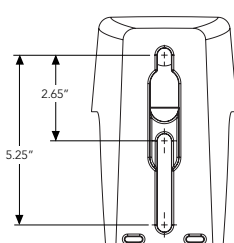
External Shields**House Side Shield****External Glare Shield****External 360 Full Visor****Pole/Mounting Information**

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click [here](#) to visit [Accessories](#).

HANDHOLE ORIENTATION**RSX POLE DRILLING**

Template #8

Top of Pole

**RSX STANDARD ARM & ADJUSTABLE ARM****Round Tenon Mount - Pole Top Slipfitters**

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	RPA, AARP	AS3-5190	AS3-5280	AS3-5290	AS3-5320	AS3-5390	AS3-5490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt									
SPA - Square Pole Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor		0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor		0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

Catalog Number:

RSX1 LED P3 **K R4S *VOLT* SPA
HS *FINISH

Notes:

Type:**OA4S-H**

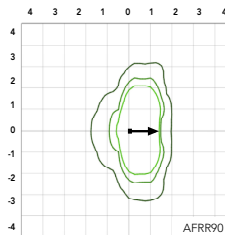
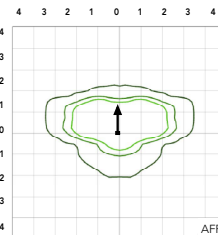
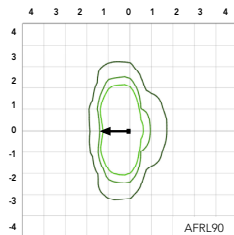
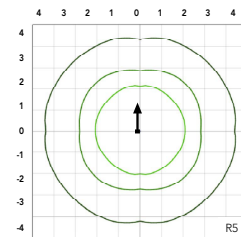
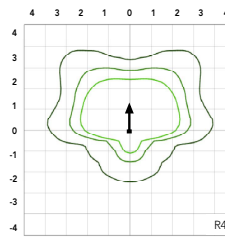
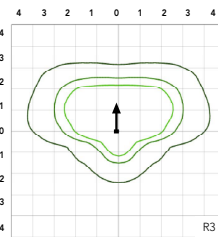
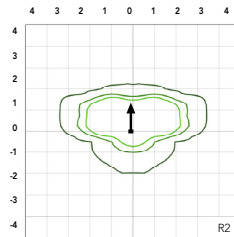
ELL24-128909

Photometric DiagramsTo see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [RSX Area homepage](#).

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').

LEGEND

0.1 fc
0.5 fc
1.0 fc

**Performance Data****Lumen Ambient Temperature (LAT) Multipliers**

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.



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Lithonia RSX1 Area LED
Rev. 06/27/23
Page 3 of 9

Performance Data

Lumen Output
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

Catalog Number:

RSX1 LED P3 **K R4S *VOLT* SPA
HS *FINISH

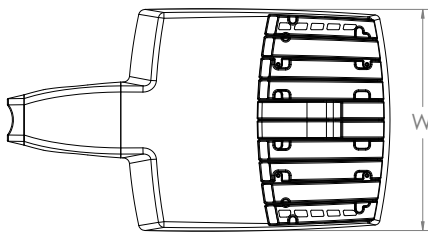
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Type:**OA4S-H**

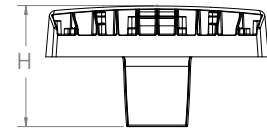
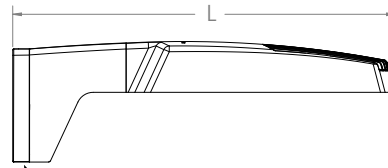
ELL24-128909

Dimensions & Weights**Luminaire Weight by Mounting Type**

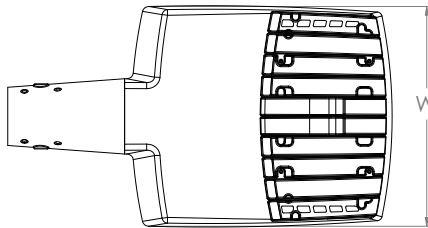
Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

RSX1 with Round Pole Adapter (RPA)

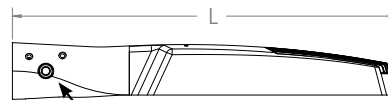
Length: 22.8" (57.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.4 cm) Arm



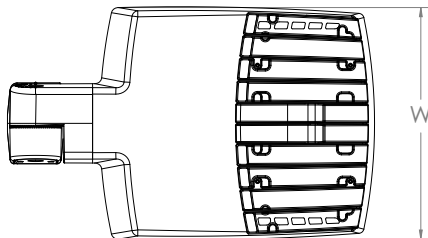
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

**RSX1 with Mast Arm Adapter (MA)**

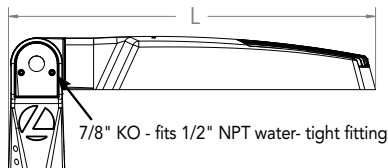
Length: 23.2" (59.1 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
3.5" (8.9 cm) Arm



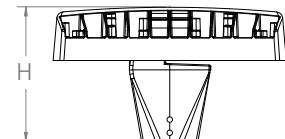
7/16" locking thru bolt/nut provided

**RSX1 with Adjustable Slipfitter (IS)**

Length: 20.7" (52.7 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.6" (19.3 cm) Arm



7/8" KO - fits 1/2" NPT water-tight fitting



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**Job Name:**

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Engineer: Pinnacle Engineering Group
(Brookfield)

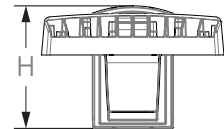
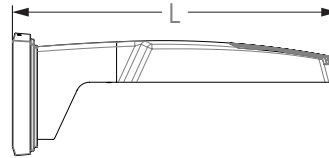
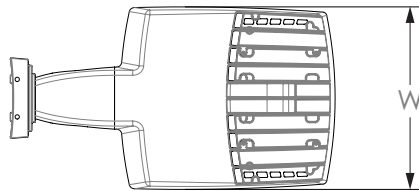
Catalog Number:

RSX1 LED P3 **K R4S *VOLT* SPA
HS *FINISH

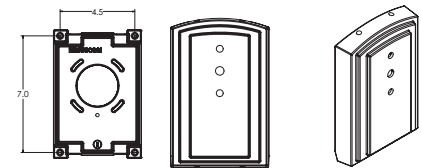
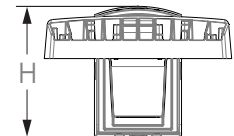
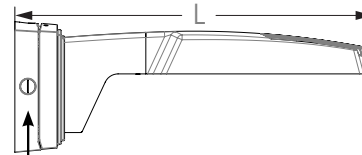
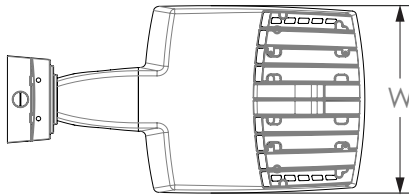
Notes:

Type:**OA4S-H**

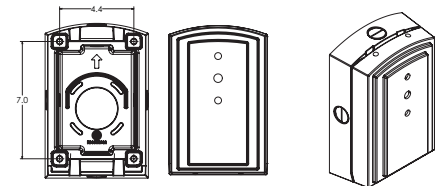
ELL24-128909

Dimensions**RSX1 with Wall Bracket (WBA)**

Length: 23.6" (59.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail**RSX1 with Wall Bracket with Surface Conduit Box (WBASC)**

3/4" NPT taps with plugs - Qty (4) provided

Surface Conduit Box (SCB) Mounting Detail

Length: 25.3" (64.3 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

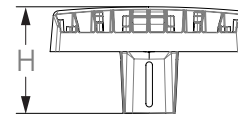
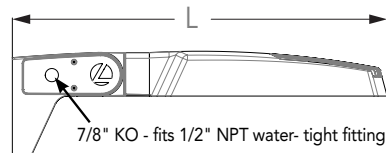
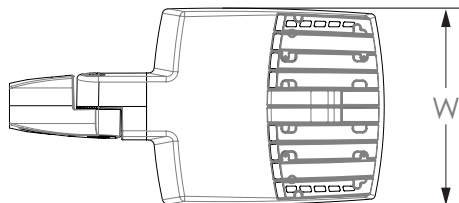
Catalog Number:

RSX1 LED P3 **K R4S *VOLT* SPA
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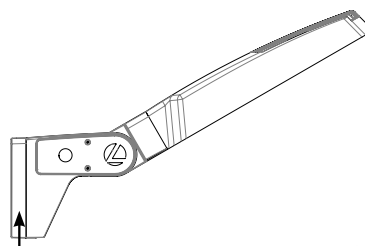
Notes:

Type:**OA4S-H**

ELL24-128909

Dimensions**RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)**

Length: 25.3" (65.3 cm) AASP
26.3" (66.8 cm) AARP
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

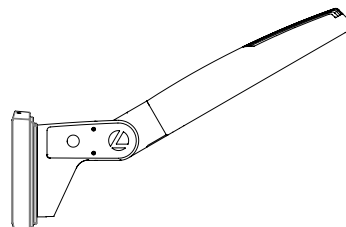
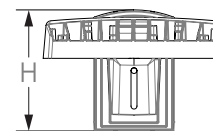
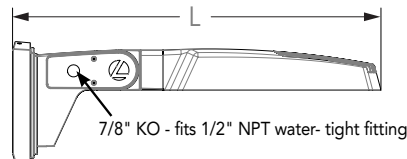
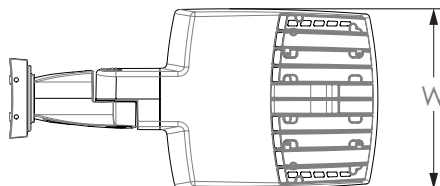
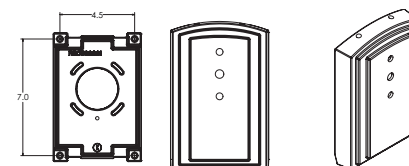
**NOTE:**

RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

**Notes**

AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)**Wall Bracket (WBA) Mounting Detail**

Length: 27.1" (68.8 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm



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**Job Name:**

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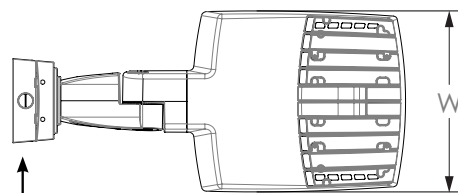
Catalog Number:

RSX1 LED P3 **K R4S *VOLT* SPA
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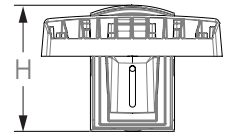
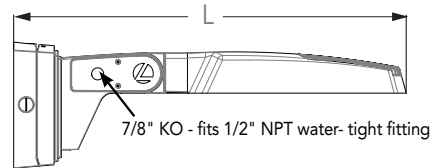
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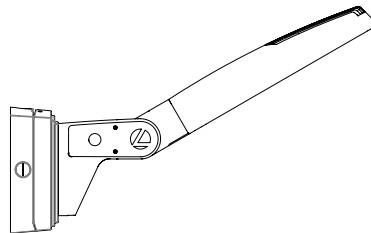
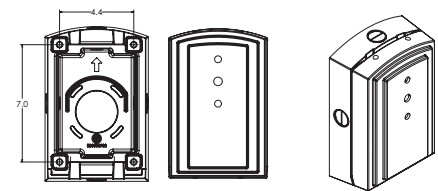
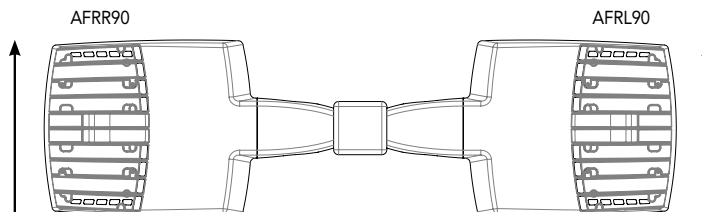
ELL24-128909

Dimensions**RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)**

3/4" NPT taps
with plugs - Qty (4)
provided



Length: 28.8" (73.2 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

**Surface Conduit Box (SCB) Mounting Detail****Automotive Front Row - Rotated Optics (AFRL90/R90)**

(Example: 2@180 - arrows indicate direction of light exiting the luminaire)



FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — Do not erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL



SSS Square Straight Steel Poles

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

SSS	20 = 20 Feet				**VERIFY**
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness ¹	Mounting ²	Options	Finish
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <u>KAC/KAD/KSE/KSF/KVR/KVF</u> <u>Drill mounting³</u> DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° <u>CSX/DSX/RSX/AERIS™/OMERO™/KAX Drill mounting³</u> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° <u>RAD drill mounting³</u> DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° <u>ESX Drill mounting³</u> DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	Shipped installed VD Vibration damper ⁴ HAXy Horizontal arm bracket (1 fixture) ^{5,6} FDLxy Festoon outlet less electrical ^{5,7} CPL12/xy 1/2" coupling ⁵ CPL34/xy 3/4" coupling ⁵ CPL1/xy 1" coupling ⁵ NPL12/xy 1/2" threaded nipple ⁵ NPL34/xy 3/4" threaded nipple ⁵ NPL1/xy 1" threaded nipple ⁵ EHHxy Extra handhole ^{5,8} STLHHC Steel handhole cover (standard is plastic, finish is smooth) ⁹ FBCSTL2PC 2 Piece steel base cover (standard is plastic) ⁹ IC Interior coating ¹⁰ L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant ¹¹ VM/original order# Match pole to prior order or project ¹²	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes ¹³ [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5 year warranty extension RAL#### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

NOTES:

- Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
Example: DM28/T20.
- Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
- On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
Example: Pole height is 25ft. A provision cannot be placed above 16ft.
- Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAXxy.
Example: HA20BD.
- FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
- Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
- Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
- Provides enhanced corrosion resistance. N/A with GALV.
- Use when mill certifications are required.
- Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders.
Example: VM/010-36784
- Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: Order as separate catalog number.

PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust											
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft²) with 1.3 gust						Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	605

NOTE: EPA values are based ASCE 7-93 wind map.
* For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013																	
Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25	-	-	205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25	-	-	445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).
*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.



Enterprise Lighting
Manufacturers' Representative

Job Name:

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

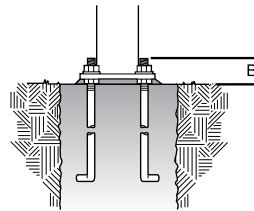
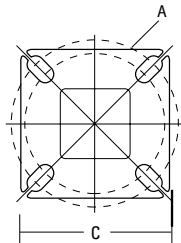
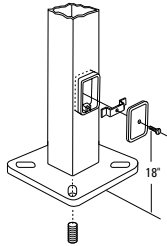
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SSS 20 4C DM19AS *FINISH*

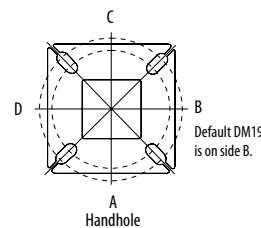
Notes:

Type:**OA4S-H**

ELL24-128909

SSS Square Straight Steel Poles**BASE DETAIL****ANCHORAGE AND TEMPLATE INFORMATION**

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Bolt size (in. x in. x in.)	Anchor bolt and template description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	1 x 36 x 4	N/A

HANDHOLE ORIENTATION**IMPORTANT INSTALLATION NOTES:**

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

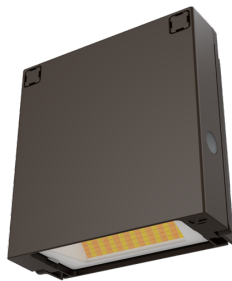


POLE-SSS

OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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Rev. 09/18/23



WPX0 LED Wall Pack



Catalog
Number

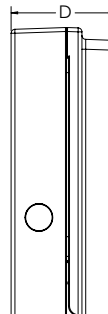
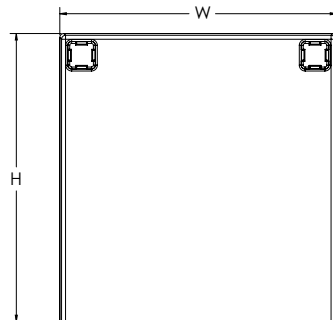
Notes

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Specifications

Depth (D): 2"
Height (H): 5.75"
Width (W): 5.5"
Weight: 2.5lbs



Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in four sizes, the WPX family delivers 850 to 9,200 lumens with a wide, uniform distribution.

The WPX0 full cut-off wall pack is an excellent above the door lighting solution. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Standard features such as Adjustable Lumen Output (ALO), color switching and switchable photocell make WPX0 ideal for any application.

Ordering Information

EXAMPLE: WPX0 LED ALO SWW2 MVOLT PE DDBXD

Series	Color Temperature	Voltage	Controls	Finish
WPX0 LED ALO 850 - 1,650 Lumens	SWW2 3000K / 4000K / 5000K	MVOLT 120V - 277V	PE Photocell (On/Off)	DDBXD Dark bronze

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration.

NOTES:

Default out of the box settings: 1,650 Lumens, 4000K, Photocell enabled

M2 = Packaging Code

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX0, WPX1, WPX2 and WPX3 are ideal for replacing up to 70W, 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine consist of high-efficacy LEDs and LED lumen maintenance of L86/100,000 hours. Color temperature (CCT) can be switched between 3000K, 4000K and 5000K with minimum CRI of 80. Electronic driver ensures system power factor >90% and THD <20%. The luminaire operates on MVOLT (120V - 277V) input.

A module inside the luminaire allows the installer to not only switch between CCTs, but also the adjust the lumen output and switch on and off the photocell (PE).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

**Job Name:**Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)**Catalog Number:**WPX0 LED ALO1 SWW2 MVOLT PE
DDBXD M2

Notes:

Type:**OW0-1**

ELL24-128909

Performance Data**Electrical Load**

ALO Setting	Input Power (W)	120 V (A)	208 V (A)	240 V (A)	277 V (A)
ALO 4	13.0	0.11	0.06	0.05	0.05
ALO 3	9.2	0.08	0.04	0.04	0.03
ALO 2	7.8	0.07	0.04	0.03	0.03
ALO 1	6.4	0.05	0.03	0.03	0.02

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.93	>0.89	>0.86

Lumen Output

ALO Setting	Color Temperature	Lumen Output
ALO 4	3000K	1,591
	4000K	1,644
	5000K	1,667
ALO 3	3000K	1,164
	4000K	1,191
	5000K	1,225
ALO 2	3000K	974
	4000K	994
	5000K	1,025
ALO 1	3000K	814
	4000K	829
	5000K	859

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

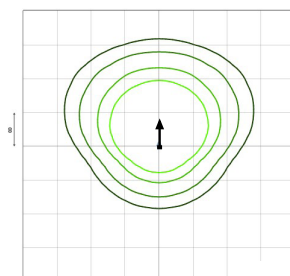
Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.027
5°C	41°F	1.023
10°C	50°F	1.018
15°C	59°F	1.012
20°C	68°F	1.006
25°C	77°F	1.000
30°C	86°F	0.993
35°C	95°F	0.986
40°C	104°F	0.979

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](https://www.lithonia.com) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

LEGEND

0.1 fc
0.2 fc
0.5 fc
1.0 fc

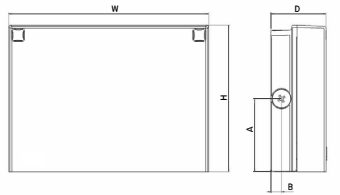
WPX0 LED ALO4**Switchable Features**



WPX LED Wall Packs



Specifications



Front View

Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

		VERIFY			**VERIFY**
Series		Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1,550 Lumens, 11W ¹	30K 3000K	MVOLT 120V - 277V	(blank) None	DDBXD Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K 4000K	347 347V ³	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ²	DWHXD White
WPX2 LED	6,000 Lumens, 47W	50K 5000K		E14WC Emergency battery backup, CEC compliant (14W, -20°C min) ²	DBLXD Black
WPX3 LED	9,200 Lumens, 69W			PE Photocell ³	Note : For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection.
Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V and PE options.

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection). All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

**Job Name:**

Azura - Mukwonago, WI
Engineer: Pinnacle Engineering Group
(Brookfield)

Catalog Number:

WPX1 LED P1 **K MVOLT PE

FINISH

Notes:

Type:**OW1-1**

ELL24-128909

Performance Data**Electrical Load**

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

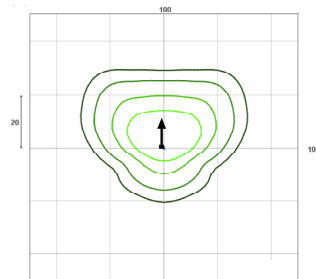
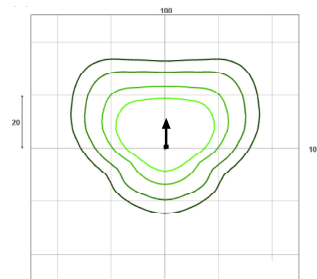
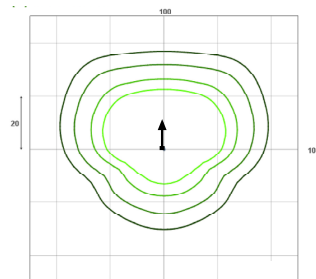
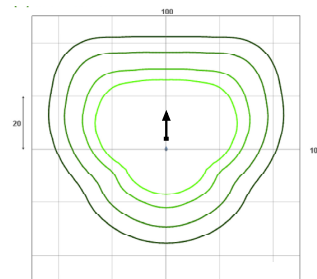
Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](https://www.lithonia.com) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

LEGEND

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

WPX1 LED P1**WPX1 LED P2****WPX2 LED****WPX3 LED**

Mounting Height = 12 Feet.

Accounts Payable Cover Sheet

Report:

Village Accounts Payable

**Period or corresponding
report date**

5/9/2024

\$

291,957.88

Total for Approval: \$ 291,957.88

The preceding list of bills payable was approved for payment

Date: _____

Approved by: _____

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PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO

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INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: AC SERVICE INC						
42247	COMMUNITY ROOM AIR HANDLER REPAIRS	100-5160-539500	2,217.15	2,217.15	DPW	05/16/2024
CE24-41011A	COMMUNITY ROOM HVAC CONTROLS	480-5700-573000	8,375.00	8,375.00	DPW	05/16/2024
TOTAL VENDOR AC SERVICE INC				10,592.15		
VENDOR NAME: ALSCO						
IMIL2013504	VILLAGE HALL WAQLK OFF MATS	100-5160-521900	160.41	160.41	DPW	05/16/2024
IMIL2011468	PD MAY 6 MAT CLEANING	100-5211-539400	51.89	51.89	POLICE	05/16/2024
TOTAL VENDOR ALSCO				212.30		
VENDOR NAME: AM TOWING						
58790	SUICIDAL SUBJECT TOW BILL	100-5212-521900	312.00	312.00	POLICE	05/16/2024
TOTAL VENDOR AM TOWING				312.00		
VENDOR NAME: AMAZON CAPITOL SERVICES						
1CN3NDG3N19F	PARK SECURITY EQUIPMENT	100-5521-531100	7.45	7.45	DPW	05/16/2024
1JJMFG4JDV6Q	APRK SECURUTY SUPPLIES	100-5521-531100	8.95	8.95	DPW	05/16/2024
TOTAL VENDOR AMAZON CAPITOL SERVICES				16.40		
VENDOR NAME: AMERICAN WATER WORKS ASSOC						
7002206015	MEMBERSHIP DUES	610-6920-692300	430.00	430.00	UTILITIES	05/16/2024
TOTAL VENDOR AMERICAN WATER WORKS ASSOC				430.00		
VENDOR NAME: ASSOCIATED APPRAISAL CONSULTANT INC						
174141	ASSMT SVS MAY AND REVAL	100-5153-521900	5,643.50	5,643.50	CLERK	05/16/2024
TOTAL VENDOR ASSOCIATED APPRAISAL CONSULTANT INC				5,643.50		
VENDOR NAME: AUGUST WINTER & SONS INC						
12-10131.300 PMNT {	ATKINSON LIFT STATION #8	620-0000-000104	15,000.00	15,000.00	FINANCE	05/16/2024
TOTAL VENDOR AUGUST WINTER & SONS INC				15,000.00		
VENDOR NAME: BAKER TILLY US, LLP						
BT2770540	2023 AUDIT PROGRESS BILL #3	100-5151-521900	1,855.03	8,423.30	FINANCE	05/16/2024
		150-5221-521900	782.82			
		200-5141-521900	232.83			
		410-5363-521900	200.64			
		430-5141-521900	202.65			
		440-5511-521900	357.80			
		480-5151-521900	568.63			
		500-5344-521900	11.24			
		220-5151-521900	526.46			
		240-5151-521900	526.46			
		250-5151-521900	526.46			
		610-6920-692300	1,316.14			
		620-8400-852000	1,316.14			
TOTAL VENDOR BAKER TILLY US, LLP				8,423.30		
VENDOR NAME: BARRIENTOS DESIGN & CONSULTING						

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INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT	POST DATE
VENDOR NAME: BARRIENTOS DESIGN & CONSULTING					
1903	FACILITY ASSESSMENT	610-6920-692300	2,423.10	4,846.20 FINANCE	05/16/2024
		620-8400-852000	2,423.10		
1898	PUBLIC WORKS FACILITY ASSEMENT	480-5700-573000	3,683.25	3,683.25 DPW	05/16/2024
TOTAL VENDOR BARRIENTOS DESIGN & CONSULTING				8,529.45	
VENDOR NAME: BASSETT MECHANICAL					
6511498C	MAINTENANCE CONTRACT	620-8400-852000	1,105.00	1,105.00 UTILITIES	05/16/2024
TOTAL VENDOR BASSETT MECHANICAL				1,105.00	
VENDOR NAME: BAYSIDE PRINTING LLC					
144159	1ST QTR 2024 UTILITY BILLING	100-5142-531200	6.68	655.21 ALLOCATE	05/16/2024
		100-5211-531200	6.66		
		100-5300-539900	6.66		
		440-5511-531200	6.66		
		410-5363-531200	6.66		
		620-8400-852000	6.66		
		610-6920-692300	6.66		
		100-5670-521500	46.64		
		410-5363-531200	56.19		
		610-6920-692300	252.87		
		620-8400-852000	252.87		
TOTAL VENDOR BAYSIDE PRINTING LLC				655.21	
VENDOR NAME: BERNDT, LISSA					
043024	LINDA'S RETIREMENT PARTY	100-5141-539800	28.62	58.82 ALLOCATE	05/16/2024
		100-5323-533500	15.10		
		610-6920-693000	7.55		
		620-8400-856000	7.55		
TOTAL VENDOR BERNDT, LISSA				58.82	
VENDOR NAME: BOUND TREE MEDICAL LLC					
85322659	EMS SUPPLIES	150-5231-531100	216.99	216.99 FIRE	05/16/2024
TOTAL VENDOR BOUND TREE MEDICAL LLC				216.99	
VENDOR NAME: BRIGHTSPEED					
APRIL 2024	APRIL 2024 PHONE SERVICE	100-5142-522500	77.70	521.22 ALLOCATE	05/16/2024
		100-5211-522500	54.76		
		100-5323-522500	64.40		
		440-5511-522500	190.71		
		610-6920-692100	33.88		
		620-8400-851000	99.77		
TOTAL VENDOR BRIGHTSPEED				521.22	
VENDOR NAME: BUELOW, VETTER, BUIKEMA, OLSON					

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INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT	POST DATE
VENDOR NAME: BUELOW, VETTER, BUIKEMA, OLSON					
APRIL 2024 ACTIVIT	GENERAL POLICE AND VILLAGE MATTERS	100-5211-521900	1,054.50	7,952.50 FINANCE	05/16/2024
		100-5111-521900	6,710.00		
		440-5511-521900	188.00		
TOTAL VENDOR BUELOW, VETTER, BUIKEMA, OLSON				7,952.50	
VENDOR NAME: C & M AUTO PARTS INC					
6079-381769	LAWN MOWER PARTS	620-8010-827000	15.64	15.64 UTILITIES	05/16/2024
6079-382025	MOWER AIR FILTER	100-5324-539500	17.49	17.49 DPW	05/16/2024
6079-382027	LAWN MOWER OIL AND PLUG	100-5324-539500	14.17	14.17 DPW	05/16/2024
6079-382121	TORO 5900 OIL FILTER	100-5324-539500	7.18	7.18 DPW	05/16/2024
6079-382261	STOCK MINI LIGHTBULBS	100-5323-531100	3.38	3.38 DPW	05/16/2024
TOTAL VENDOR C & M AUTO PARTS INC				57.86	
VENDOR NAME: CINTAS					
4190887222	STAFF UNIFORMS AND SHOP SUPPLIES	100-5323-531100	140.55	140.55 DPW	05/16/2024
4190887319	UNIFORM SERVICE	610-6920-693000	59.49	118.99 UTILITIES	05/16/2024
		620-8400-856000	59.50		
4191602235	STAFF UNIFORMS AND SHOP SUPPLIES	100-5323-531100	140.55	140.55 DPW	05/16/2024
4191602326	UNIFORM SERVICE	610-6920-693000	68.30	136.59 UTILITIES	05/16/2024
		620-8400-856000	68.29		
TOTAL VENDOR CINTAS				536.68	
VENDOR NAME: COLUMBIA SOUTHERN UNIVERSITY					
323053042224	COLUMBIA SOUTHERN TUITION - KIRKPATRICK	100-5212-516300	845.00	845.00 POLICE	05/16/2024
TOTAL VENDOR COLUMBIA SOUTHERN UNIVERSITY				845.00	
VENDOR NAME: CONLEY MEDIA, LLC					
6362410424-2 PLANNI	PUD LEGAL NOTICE	100-5632-531200	26.00	26.00 PLANNER	05/16/2024
6362410424-2 DPW	WEED NOTICE POSTING	100-5613-531100	71.98	71.98 DPW	05/16/2024
TOTAL VENDOR CONLEY MEDIA, LLC				97.98	
VENDOR NAME: COREY OIL, LTD					
546987 POLICE	MOTOR OIL	100-5212-535100	274.27	274.27 POLICE	05/16/2024
546987 FIRE	OIL SUPPLIES	150-5222-539500	329.93	651.85 FIRE	05/16/2024
		150-5231-539500	321.92		
546987 DPW	MOTOR OIL	100-5324-535100	698.83	698.83 DPW	05/16/2024
TOTAL VENDOR COREY OIL, LTD				1,624.95	
VENDOR NAME: CUMMINS SALES AND SERVICE					
F6-74285	SERVICE CALL FOR GENERATORS-TIMERS	620-8020-832000	704.40	1,408.80 UTILITIES	05/16/2024
		610-6200-662500	704.40		

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VENDOR NAME: CUMMINS SALES AND SERVICE						
TOTAL VENDOR CUMMINS SALES AND SERVICE				1,408.80		
VENDOR NAME: DE LAGE LANDEN FINANCIAL						
82500956	POLICE PD COPIER LEASE	100-5211-531200	108.00	108.00	POLICE	05/16/2024
82500956	LEASE 05/15/24 - 06/14/24 KONICA 450I	100-5142-531200	19.98	160.00	ALLOCATE	05/16/2024
		100-5300-539900	18.83			
		100-5120-531100	7.97			
		100-5141-531100	4.96			
		100-5145-531100	9.32			
		100-5241-531200	3.73			
		100-5632-531200	4.59			
		100-5211-531200	19.65			
		150-5221-531100	19.84			
		410-5363-531200	1.60			
		440-5511-531200	18.24			
		500-5344-531200	2.22			
		610-6902-690300	15.41			
		620-8300-840000	13.66			
TOTAL VENDOR DE LAGE LANDEN FINANCIAL				268.00		
VENDOR NAME: DIGGERS HOTLINE INC						
240438301	DPW STORM SEWR LOCATES	100-5344-539500	73.63	73.63	DPW	05/16/2024
240438301	UTILITIE\$DIGGERS HOTLINE FEE	610-6920-693000	73.63	147.26	UTILITIES	05/16/2024
		620-8400-856000	73.63			
TOTAL VENDOR DIGGERS HOTLINE INC				220.89		
VENDOR NAME: DOMINION VOTING SYSTEMS						
DVS154363	ICE FIRMWARE -HARDWARE LICENSE	100-5144-521900	476.89	476.89	CLERK	05/16/2024
TOTAL VENDOR DOMINION VOTING SYSTEMS				476.89		
VENDOR NAME: DORNER COMPANY						
510795	VALVE O-RINGS	620-8010-827000	73.44	73.44	UTILITIES	05/16/2024
TOTAL VENDOR DORNER COMPANY				73.44		
VENDOR NAME: EMPATHIA, INC.						
51292	QUARTERLY EAP BENEFIT COST	100-5141-515900	3.54	438.75	ALLOCATE	05/16/2024
		100-5241-515900	10.61			
		100-5142-515900	7.08			
		100-5120-511000	7.08			
		100-5632-515900	3.54			
		150-5221-515900	130.92			
		440-5511-515900	92.00			
		100-5211-515900	106.15			
		100-5300-515900	38.92			
		610-6920-515900	14.16			
		620-8400-515900	14.15			
		100-5145-515900	10.60			

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VENDOR NAME: EMPATHIA, INC.					
	TOTAL VENDOR EMPATHIA, INC.			438.75	
VENDOR NAME: ENVIRONMENT CONTROL					
31740-613	VILLAGE HALL CLEANING	100-5160-521900	698.00	698.00 DPW	05/16/2024
	TOTAL VENDOR ENVIRONMENT CONTROL			698.00	
VENDOR NAME: ENVIRONMENTAL CONSULTING &					
7112	COMPLIANCE SAMPLING-WET	620-8010-826000	2,000.00	2,000.00 UTILITIES	05/16/2024
	TOTAL VENDOR ENVIRONMENTAL CONSULTING &			2,000.00	
VENDOR NAME: EXCEL BUILDING SERVICES LLC					
4214	PD BUILDING CLEANING SERVICE	100-5211-539400	975.00	975.00 POLICE	05/16/2024
	TOTAL VENDOR EXCEL BUILDING SERVICES LLC			975.00	
VENDOR NAME: FAIRCHILD EQUIPMENT					
ESA004026-1	WATER FILL HOSE	620-8030-828000	293.25	293.25 UTILITIES	05/16/2024
	TOTAL VENDOR FAIRCHILD EQUIPMENT			293.25	
VENDOR NAME: GORDON FLESCH CO					
I00916980	CANON LEASE 05/20/24 - 06/19/24	100-5142-531200	20.25	162.10 ALLOCATE	05/16/2024
		100-5300-539900	19.08		
		100-5120-531100	8.07		
		100-5141-531100	5.03		
		100-5145-531100	9.43		
		100-5241-531200	3.78		
		100-5632-531200	4.65		
		100-5211-531200	19.91		
		150-5221-531100	20.10		
		410-5363-531200	1.62		
		440-5511-531200	18.48		
		500-5344-531200	2.25		
		610-6902-690300	15.61		
		620-8400-851000	13.84		
IN14654422 CANON COPIES 03/16/24- 04/16/224					
		100-5142-531200	11.24	90.01 ALLOCATE	05/16/2024
		100-5300-539900	10.59		
		100-5120-531100	4.48		
		100-5141-531100	2.79		
		100-5145-531100	5.25		
		100-5241-531200	2.10		
		100-5632-531200	2.58		
		100-5211-531200	11.05		
		150-5221-531100	11.16		
		410-5363-531200	0.90		
		440-5511-531200	10.26		
		500-5344-531200	1.25		
		610-6902-690300	8.67		
		620-8400-851000	7.69		
TOTAL VENDOR GORDON FLESCH CO				252.11	

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INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT	POST DATE
VENDOR NAME: HAHN ACE HARDWARE						
2024 APRIL FIRE	HAHN ACE HARDWARE INVOICE	150-5222-531100	55.20	102.17	FIRE	05/16/2024
		150-5222-539500	12.99			
		150-5231-531100	33.98			
2024 APRIL LIBRARY	BATTERIES / HARDWARE	440-5511-531100	230.80	230.80	LIBRARY	05/16/2024
2024 APRIL POLICE	HARDWARE SUPPLIES	100-5211-539500	87.69	87.69	POLICE	05/16/2024
2024 APRIL UTILITIES	VARIOUS HARDWARE, FITTING, SUPPLIES, AND	620-8030-828000	27.32	249.32	UTILITIES	05/16/2024
		620-8010-827000	194.00			
		610-6210-662500	28.00			
2024 APRIL DPW	MISC MAINTENANCE SUPPLIES	100-5220-539400	49.06	321.16	DPW	05/16/2024
		100-5323-531100	63.82			
		100-5512-582100	33.80			
		100-5521-531100	174.48			
TOTAL VENDOR HAHN ACE HARDWARE				991.14		
VENDOR NAME: HASTINGS AIR-ENERGY CONTROL INC	STATION 2 PLYMOVENT REPAIR	150-5222-539500	698.95	698.95	FIRE	05/16/2024
PS-I0006977						
TOTAL VENDOR HASTINGS AIR-ENERGY CONTROL INC				698.95		
VENDOR NAME: HAWKINS WATER TREATMENT	CHEMICALS FOR WATER TREATMENT	610-6300-663100	3,574.18	3,574.18	UTILITIES	05/16/2024
6742180						
TOTAL VENDOR HAWKINS WATER TREATMENT				3,574.18		
VENDOR NAME: HIPPENMEYER, REILLY, BLUM,	PROSECUTIONS	100-5130-521900	1,110.00	1,110.00	FINANCE	05/16/2024
56294						
TOTAL VENDOR HIPPENMEYER, REILLY, BLUM,				1,110.00		
VENDOR NAME: HORN FEEDS	FIELD MARKING LIME	100-5521-531100	144.55	144.55	DPW	05/16/2024
36908						
TOTAL VENDOR HORN FEEDS				144.55		
VENDOR NAME: HORN OIL	APRIL 2024 MONTHLY FUEL	100-5212-535100	2,464.20	8,522.01	ALLOCATE	05/16/2024
APRIL 2024		100-5241-535100	68.10			
		100-5324-535100	2,026.84			
		150-5222-535100	2,270.80			
		150-5231-535100	71.85			
		610-6920-693300	1,070.20			
		620-8010-828000	434.42			
		100-5324-535100	30.00			
		620-8020-827000	85.60			
TOTAL VENDOR HORN OIL				8,522.01		
VENDOR NAME: JOHNS DISPOSAL SVC. INC.						

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VENDOR NAME: JOHNS DISPOSAL SVC. INC.						
1329979	APRIL GARBAGE, RECYCLING AND YARD WASTE	410-5362-531000	27,878.24	52,106.08	DPW	05/16/2024
		410-5363-522000	20,793.76			
		410-5363-521900	3,434.08			
TOTAL VENDOR JOHNS DISPOSAL SVC. INC.				52,106.08		
VENDOR NAME: KBS OUTDOOR EQUIPMENT						
4617	LAWN MOWER PARTS	620-8010-827000	10.20	10.20	UTILITIES	05/16/2024
TOTAL VENDOR KBS OUTDOOR EQUIPMENT				10.20		
VENDOR NAME: LIFE-ASSIST, INC.						
1428986	EMS SUPPLIES	150-5231-531100	650.04	650.04	FIRE	05/16/2024
1428987	EMS SUPPLIES	150-5231-531100	58.93	58.93	FIRE	05/16/2024
TOTAL VENDOR LIFE-ASSIST, INC.				708.97		
VENDOR NAME: LYNCH CHEVROLET						
4113007	SQUAD WINDSHIELD WASHER PUMP REPAIR	100-5212-539500	136.29	136.29	POLICE	05/16/2024
TOTAL VENDOR LYNCH CHEVROLET				136.29		
VENDOR NAME: LYNCH MOTOR VEHICLE GROUP						
M240426	DPW 2024 SILVERODO PICKUP	430-5700-571200	44,508.25	44,508.25	DPW	05/16/2024
TOTAL VENDOR LYNCH MOTOR VEHICLE GROUP				44,508.25		
VENDOR NAME: MARCO TECHNOLOGIES						
36468497	COPIER LEASE	620-8400-851000	98.98	197.97	UTILITIES	05/16/2024
		610-6920-692100	98.99			
TOTAL VENDOR MARCO TECHNOLOGIES				197.97		
VENDOR NAME: MARTENS PLBG & HTG INC						
68596	PARK RESTROOM FLUSH VALVES	100-5521-531100	248.50	248.50	DPW	05/16/2024
TOTAL VENDOR MARTENS PLBG & HTG INC				248.50		
VENDOR NAME: MCDONOUGH SEPTIC						
I12062	PORTABLE RESTROOMS	100-5521-531100	95.00	95.00	DPW	05/16/2024
I11984	PORTABLE RESTROOMS	100-5521-531100	95.00	95.00	DPW	05/16/2024
I11985	PORTABLE RESTROOMS	100-5521-531100	33.92	33.92	DPW	05/16/2024
I11986	PORTABLE RESTROOMS	100-5521-531100	90.00	90.00	DPW	05/16/2024
I11987	PORTABLE RESTROOMS	100-5521-531100	135.00	135.00	DPW	05/16/2024
TOTAL VENDOR MCDONOUGH SEPTIC				448.92		
VENDOR NAME: MILLER KEN						
2024 BOOT ALLOWANCE	2024 BOOT ALLOWANCE - MILLER	610-6920-693000	50.00	100.00	UTILITIES	05/16/2024
		620-8400-856000	50.00			
TOTAL VENDOR MILLER KEN				100.00		
VENDOR NAME: MINUTEMAN PRESS OF BURLINGTON						

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VENDOR NAME: MINUTEMAN PRESS OF BURLINGTON					
55987	GALLO BUSINESS CARDS	100-5241-531200	43.00	86.00 CLERK	05/16/2024
		100-5142-531200	43.00		
56135	ROCKLEY BC REPRINT	100-5142-531200	43.00	43.00 CLERK	05/16/2024
TOTAL VENDOR MINUTEMAN PRESS OF BURLINGTON				129.00	
VENDOR NAME: MUNICIPAL LAW & LITIGATION					
12022	GFLP 20CV1292/22AP284	100-5130-521900	90.00	90.00 FINANCE	05/16/2024
TOTAL VENDOR MUNICIPAL LAW & LITIGATION				90.00	
VENDOR NAME: NAPA AUTO PARTS - SP018					
221751	JACK-MAINTENANCE VAN	620-8010-827000	249.99	249.99 UTILITIES	05/16/2024
221321	LAWN MOWER PARTS	620-8010-827000	71.59	71.59 UTILITIES	05/16/2024
221472	LAWN MOWER PARTS	620-8010-827000	19.98	19.98 UTILITIES	05/16/2024
222335	VAC TRUCK PARTS	620-8030-828000	41.97	41.97 UTILITIES	05/16/2024
222217	LAWN MOWER PARTS	620-8010-827000	18.25	18.25 UTILITIES	05/16/2024
222501	AMBULANCE HEADLIGHT REPLACEMENT	150-5231-539500	26.40	26.40 FIRE	05/16/2024
TOTAL VENDOR NAPA AUTO PARTS - SP018				428.18	
VENDOR NAME: NORTHERN LAKE SERVICE INC					
2406785	COMPLIANCE SAMPLING-BACTI	610-6300-663200	137.50	137.50 UTILITIES	05/16/2024
TOTAL VENDOR NORTHERN LAKE SERVICE INC				137.50	
VENDOR NAME: OLEARY PLUMBING & HEATING INC					
47900472	PD PLUMBING REPAIR	100-5211-539400	828.20	828.20 POLICE	05/16/2024
TOTAL VENDOR OLEARY PLUMBING & HEATING INC				828.20	
VENDOR NAME: ORGANIZATION DEVELOPMENT					
14069	RESERVE OFFICER ODC ASSESSMENTS	100-5212-521900	950.00	950.00 POLICE	05/16/2024
TOTAL VENDOR ORGANIZATION DEVELOPMENT				950.00	
VENDOR NAME: PIERCE AMANDA					
041924	EQUIPMENT REIMBURSEMENT	150-5222-531100	21.11	21.11 FIRE	05/16/2024
TOTAL VENDOR PIERCE AMANDA				21.11	
VENDOR NAME: PROHEALTH CARE FOUNDATION					
050624	REFUND PARK RENTAL SECURITY DEPOSIT	100-4820-485000	250.00	250.00 CLERK	05/16/2024
TOTAL VENDOR PROHEALTH CARE FOUNDATION				250.00	
VENDOR NAME: PROHEALTH CARE LAB BILLING					
10004923933	APRIL BLOOD DRAWS	100-5212-521900	38.24	38.24 POLICE	05/16/2024
TOTAL VENDOR PROHEALTH CARE LAB BILLING				38.24	
VENDOR NAME: PROHEALTH MEDICAL GROUP					
322159 DPW	RANDOM DOT TESTING	100-5300-521900	62.00	62.00 DPW	05/16/2024
322159 UTILITIES	DOT DRUG SCREENING	610-6920-693000	79.50	159.00 UTILITIES	05/16/2024
		620-8400-856000	79.50		
322109	NEW RESERVE OFFICER MEDICAL AND DRUG SCR	100-5212-521900	112.00	112.00 POLICE	05/16/2024

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VENDOR NAME: PROHEALTH MEDICAL GROUP						
	TOTAL VENDOR PROHEALTH MEDICAL GROUP			333.00		
VENDOR NAME: PROPHOENIX CORPORATION						
202438	PROPHOENIX SERVER MIGRATION	100-5211-522900	2,500.00	2,500.00	POLICE	05/16/2024
	TOTAL VENDOR PROPHOENIX CORPORATION			2,500.00		
VENDOR NAME: QUILL LLC						
38379976	TONER AND ENVELOPES	100-5211-531100	270.98	270.98	POLICE	05/16/2024
38420220	C-FOLD PAPER TOWELS	100-5211-531100	83.98	83.98	POLICE	05/16/2024
	TOTAL VENDOR QUILL LLC			354.96		
VENDOR NAME: REINDERS, INC.						
6050630-00	TORO 5900 PARTS	100-5324-539500	112.38	112.38	DPW	05/16/2024
6050003-00	TORO PARTS, MULCH KIT	100-5324-539500	2,680.00	2,680.00	DPW	05/16/2024
6050706-00	TORO PARTS	100-5324-539500	74.84	74.84	DPW	05/16/2024
6050706-01	TORO PARTS	100-5324-539500	8.55	8.55	DPW	05/16/2024
	TOTAL VENDOR REINDERS, INC.			2,875.77		
VENDOR NAME: RUEKERT & MIELKE, INC.						
151383	12-00000.100 General Services	100-5300-521900	1,532.50	11,756.78	FINANCE	05/16/2024
		100-5300-521900	592.50			
		100-5660-521900	95.00			
		610-6920-692300	3,350.13			
		620-8400-852100	3,350.12			
		100-5335-521900	2,836.53			
151384	12-10096.300 Deback Drive Infrastructure	200-5335-521900	1,202.18	1,202.18	FINANCE	05/16/2024
151385	12-10098.124 WWTF Phosphorus Assistance	620-8400-852100	4,391.92	4,391.92	FINANCE	05/16/2024
151387	12-10131.300 Atkinson Pump Station Capac	620-0000-000104	1,214.47	1,214.47	FINANCE	05/16/2024
151386	12-10131.310 Atkinson Pump Station Capac	620-0000-000104	14,351.24	14,351.24	FINANCE	05/16/2024
151388	12-10135.210A 2023 VUEWorks Annual Servi	100-5660-521900	2,258.40	2,465.50	FINANCE	05/16/2024
		500-5344-521900	207.10			
151390	12-10152.100 Local Limits & Industrial P	620-8400-852000	1,239.61	1,239.61	FINANCE	05/16/2024
151391	12-10159.201 Rochester Street Reconstruc	610-6920-692300	3,997.23	7,994.46	FINANCE	05/16/2024
		620-8400-852000	3,997.23			
151392	12-10169.200 Wells 3 and 4 Radium Remova	610-0000-000109	20,968.28	20,968.28	FINANCE	05/16/2024
151393	12-10185.100 GS Global Expansion / Revie	100-0000-211400	570.00	570.00	FINANCE	05/16/2024
151395	12-10191.100 Edgewoo Condos Bielinski De	100-0000-211400	1,520.00	1,520.00	FINANCE	05/16/2024
151397	12-10206.220 Mukwonago River Dam, South	480-5700-585200	688.00	688.00	FINANCE	05/16/2024
151398	12-10209.220 Indianhead Park Pathway Lig	480-5700-584900	2,493.75	2,493.75	FINANCE	05/16/2024
151399	12-10210.100 Cardinal Ridge Hein Develop	100-5335-521900	665.00	665.00	FINANCE	05/16/2024
151400	12-10215.124 Village Planning Services	100-5632-521900	2,308.25	2,308.25	FINANCE	05/16/2024
151401	12-92041.710 2024 SCADA Service Work	610-6920-692300	225.40	450.80	FINANCE	05/16/2024
		620-8400-852000	225.40			
151389	12-10149.310 EDGEWOOD CONDOS / EROSION C	100-0000-211425	170.60	170.60	FINANCE	05/16/2024
151394	12-10190.100 ST. JOHN'S CHURCH EXPANSION	100-0000-211425	218.10	218.10	FINANCE	05/16/2024

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VENDOR NAME: RUEKERT & MIELKE, INC.					
	TOTAL VENDOR RUEKERT & MIELKE, INC.			74,668.94	
VENDOR NAME: ST. PIUS V CHAPEL					
050624	REFUND FIELD PARK RENTAL SECURITY DEPOSIT	100-4820-485000	200.00	200.00 CLERK	05/16/2024
	TOTAL VENDOR ST. PIUS V CHAPEL			200.00	
VENDOR NAME: STERICYCLE					
8006939741	PD SHRED SERVICE	100-5211-521900	90.78	90.78 POLICE	05/16/2024
	TOTAL VENDOR STERICYCLE			90.78	
VENDOR NAME: TERMINAL ANDRAE INC.					
65105	LIGHT REPLACEMENT	620-8010-834000	1,322.38	1,322.38 UTILITIES	05/16/2024
65159	LIGHT REPLACEMENTS	620-8010-834000	2,100.00	2,100.00 UTILITIES	05/16/2024
	TOTAL VENDOR TERMINAL ANDRAE INC.			3,422.38	
VENDOR NAME: THOMAS GREENHOUSE & GARDENS					
105210	MEMORIAL TREES	100-5521-531100	338.09	676.18 DPW	05/16/2024
		340-5890-580601	338.09		
	TOTAL VENDOR THOMAS GREENHOUSE & GARDENS			676.18	
VENDOR NAME: TOWN OF MUKWONAGO					
7326	VERSITI MACY INVOICE	150-5231-521900	2,237.00	2,237.00 FIRE	05/16/2024
	TOTAL VENDOR TOWN OF MUKWONAGO			2,237.00	
VENDOR NAME: TRACTOR SUPPLY CREDIT PLAN					
APRIL 2024 UTILITIES	TOOL FOR SHOP	620-8010-827000	49.99	49.99 UTILITIES	05/16/2024
	TOTAL VENDOR TRACTOR SUPPLY CREDIT PLAN			49.99	
VENDOR NAME: TRILOGY CONSULTING LLC					
1715	THE BLOCK ANALYSIS	100-0000-211400	90.00	90.00 FINANCE	05/16/2024
	TOTAL VENDOR TRILOGY CONSULTING LLC			90.00	
VENDOR NAME: UNITED LABORATORIES					
INV405926	WEED KILLER AND ENZYMES FOR FOG	620-8010-827000	1,020.92	1,020.92 UTILITIES	05/16/2024
	TOTAL VENDOR UNITED LABORATORIES			1,020.92	
VENDOR NAME: UNITED STATES ALLIANCE FIRE PROTECT					
1046-F128059	VILLAGE HALL SPRINKLER INSPECTION	100-5160-521900	710.00	710.00 DPW	05/16/2024
1046-F127613	SPRINKLER INSPECTION	100-5211-539400	410.00	410.00 POLICE	05/16/2024
1046-F127612	DPW SHOP SPRINKLER INSPECTION	100-5323-521900	410.00	410.00 DPW	05/16/2024
1046-F127611	STATION #1 SPRINKLER INSPECTION	100-5220-539400	410.00	410.00 DPW	05/16/2024
	TOTAL VENDOR UNITED STATES ALLIANCE FIRE PROTECT			1,940.00	
VENDOR NAME: USA BLUEBOOK					
INV00357059	LAB SUPPLIES	620-8010-826000	1,541.88	1,541.88 UTILITIES	05/16/2024
	TOTAL VENDOR USA BLUEBOOK			1,541.88	
VENDOR NAME: VANGUARD COMPUTERS INC					
62035	DPW LAPTOP	100-5300-522950	1,431.51	1,431.51 DPW	05/16/2024

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VENDOR NAME: VANGUARD COMPUTERS INC					
TOTAL VENDOR VANGUARD COMPUTERS INC				1,431.51	
VENDOR NAME: VERIZON WIRELESS					
9961548666	APRIL 2024 PHONE BILL	100-5141-522500	46.13	843.40 ALLOCATE	05/16/2024
		100-5241-522500	90.94		
		100-5323-522500	334.56		
		610-6920-692100	165.32		
		620-8400-851000	165.32		
		100-5632-522500	41.13		
9961548667	2024 APRIL CELL BILL ACCT# 885503900-000	100-5323-522500	21.66	265.86 ALLOCATE	05/16/2024
		610-6920-692100	122.10		
		620-8400-851000	122.10		
TOTAL VENDOR VERIZON WIRELESS				1,109.26	
VENDOR NAME: WAUKESHA COUNTY REGISTER OF DEEDS					
4762591	RECORDING DOCUMENTS	100-5632-521900	30.00	30.00 CLERK	05/16/2024
TOTAL VENDOR WAUKESHA COUNTY REGISTER OF DEEDS				30.00	
VENDOR NAME: WAUKESHA CTY TREASURER					
2024-24010060	WAUKESHA COUNTY TRUNKED RADIO MFD 2024	150-5221-521900	207.59	415.17 FIRE	05/16/2024
		150-5231-521900	207.58		
2024-24010059	WAUKESHA COUNTY TRUNKED RADIO FEE	100-5211-521900	1,076.93	1,076.93 POLICE	05/16/2024
2024-50030021	TAX BILLING WAUKESHA CO	100-5142-531200	3,187.00	3,187.00 CLERK	05/16/2024
TOTAL VENDOR WAUKESHA CTY TREASURER				4,679.10	
VENDOR NAME: WCTC					
S0829206	WCTC TRAINING	100-5215-533500	433.08	433.08 POLICE	05/16/2024
TOTAL VENDOR WCTC				433.08	
VENDOR NAME: WHALING, PATRICK					
050224	NNO GAMES	340-5890-580602	340.00	340.00 POLICE	05/16/2024
TOTAL VENDOR WHALING, PATRICK				340.00	
VENDOR NAME: WI DEPT OF JUSTICE CIB					
L6812T 202404	BACKGROUND CHECKS	100-5211-521900	21.00	112.00 ALLOCATE	05/16/2024
		100-0000-242205	91.00		
G3385 202404	BACKGROUND CHECKS	150-5221-521900	20.00	20.00 FIRE	05/16/2024
TOTAL VENDOR WI DEPT OF JUSTICE CIB				132.00	
VENDOR NAME: WI DNR ENVIRONMENTAL FEES					
268003670-2024-1	WWTF ENVIRONMENTAL DISCHARGE FEES	620-8010-855100	5,457.45	5,457.45 UTILITIES	05/16/2024
TOTAL VENDOR WI DNR ENVIRONMENTAL FEES				5,457.45	

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT		POST DATE
VENDOR NAME: WI STATE LAB OF HYGIENE						
774034	COMPLIANCE SAMPLING-FLUORIDE	610-6300-663200	29.00	29.00	UTILITIES	05/16/2024
TOTAL VENDOR WI STATE LAB OF HYGIENE				29.00		
GRAND TOTAL:				291,957.88		



DATE: May 10, 2024
TO: Village Board of Trustees
FROM: Diana Dykstra
RE: Strategic Planning

At the Committee of the Whole meeting, I invited CP2 Consulting to introduce themselves to us and discuss their approach to Strategic Planning. Cory Poris Plasch has stood out in the strategic planning field with her connection to local government and genuine understanding of the challenges they face. Additionally, her company works to provide an implementation strategy and a measurement tool for tracking progress of those common goals over the next 3-5 years.

While I know this can be an overwhelming subject, the Department Heads have expressed their support and anticipation for professional Comprehensive Strategic Planning.

In the past we have conducted some local team building exercises between Department Heads and Trustees which lead to recommendations for strategic goals. We have not conducted a Comprehensive Strategic Plan which include stakeholders such as residents, community leaders, members of appointed committees, hourly and salary employees, and elected officials.

This project will provide leadership with guidance, provide transparency for residents, and provide the tools to measure our progress.

The Village Board approved the funds in the 2024 Annual Budget and staff recommend Village Board approval and participation.

Village of Mukwonago WI.

Proposal for Comprehensive Strategic Planning Services



April 2024

Prepared by: CP² Consulting



April 16, 2024

Diana Dykstra, Interim Administrator
Village of Mukwonago, WI.
440 River Crest Ct.
Mukwonago, WI. 53149

RE: Comprehensive Strategic Plan Services Proposal

Dear Diana,

CP² Consulting is pleased to submit our proposal to assist the community and Village Board with strategic planning services. The following approach/framework specifically addresses the organization's desired outcomes as we understand them. The following proposal outlines how CP² Consulting can address the following needs:

- Facilitate the development of the organization's mission, vision, and values to set organizational priorities and the Village's overall strategic direction;
- Conduct internal and external stakeholder engagement activities via varied methods such as focus groups, online surveys, and interviews;
- Facilitate a strategic planning workshop with the Village's elected officials and senior leadership to develop organizational goals that can be monitored;
- Facilitate an implementation strategy to deliver progress reports on organizational goals and initiatives;
- Provide a final summary report of the strategic planning process and outcomes for use by the Village Board, staff, and broader community.

As the attached proposal reflects, we have considerable experience facilitating strategic planning and stakeholder engagement processes like the one envisioned for Village of Mukwonago. CP² Consulting specializes in serving public sector clients. Cory Poris Plasch will be the lead consultant for this project, and her career has been focused on roles either in local government or those serving local government, including as the former Executive Director of the Wisconsin City County Management Association. She started her career as a 911 dispatcher and has served in a variety of roles, including in the city manager's office, in several communities. Her Master of Public Administration (MPA) degree includes a specialization in public leadership and strategic management, and she has a certification in Strategic Management Performance Systems through the George Washington University Center for Excellence in Public Leadership. The CP² Consulting team has a long-standing commitment to strategic thinking, cultivating leadership, transparent practices, and measurable results.

Thank you for the opportunity to provide these services to the Village of Mukwonago.

Sincerely,



Cory Poris Plasch, CEO
CP² Consulting, Inc.

Project Approach

Strategic planning, at its core, is establishing a clear direction forward for the organization in alignment with its mission and core values.

The CP² Consulting strategic planning methodology is based upon leading practices in strategic planning, refined and continually updated based upon industry trends and knowledge gained through client engagements. Organizational culture is a key component in meeting strategic goals, and we employ and promote strategies to create a Learning Culture, where growth, curiosity and authenticity prevail. Our methodology is comprehensive and thorough, while remaining flexible enough to meet the specific needs of our clients.

In the following proposal, CP² Consulting recommends a multi-phased, participative format to engage Village leadership and staff to shape the desired future direction of the Village.

Phase 1: Project Launch

This phase involves project start-up activities, including:

1. Project review meetings with key Village project staff to confirm the scope of work and expected outcomes;
2. Provide an overview of the strategic planning process;
3. Review history and current fit of mission, vision and values of the organization and determine the need for any adjustments;
4. Identify and confirm internal stakeholder involvement and the overall environmental scanning process elements; and,
5. Discuss current organizational culture.

The purpose of this phase is to confirm the overall project scope and intended outcomes and make any necessary refinement to the project plan and budget.

Phase 2: Stakeholder Engagement

Stakeholder engagement is a key component of the strategic planning effort as it allows you to understand your organization from a variety of perspectives. This effort seeks to understand community needs and expectations as well as the needs and expectations of internal stakeholders, who have an “insider view” of the organization.

- Internal stakeholders—refers to individuals or groups who are within the organization by virtue of being elected to or employed/appointed by the organization. This includes employees or groups at all levels, the governing Board, Committees, and Commissions. Internal stakeholders are essential to successful implementation of the strategic plan and their input should be considered and incorporated into the strategic planning process.
- External stakeholders—refers to individuals or groups who are outside the organization but are affected by the actions of the organization and the quality of life in the community. These include, but are not limited to, businesses, neighborhoods, residents of all ages, historically marginalized populations, special interest groups, educational facilities including K-12 schools and higher education, and other taxing jurisdictions.

There are several avenues for collecting stakeholder data proposed for this project, including:

- Invitational Focus groups. These groups are facilitated by the consulting team with groups identified and invited by the client. The sessions run approximately 90 minutes and consist of 8 to 12

individuals from each of the selected stakeholder groups. Groups can be either internal or external stakeholders. *For this project, six focus groups are recommended, with at least one consisting of village staff and other groups consisting of additional key stakeholders.*

- **Online survey of stakeholders.** These surveys can be targeted to internal or external stakeholder groups, a subsection of internal or external stakeholder groups, and/or the entire community. A semi-custom survey is developed collaboratively between the Administrator and/or other key staff and the consultant. The survey is administered by the consultant and the raw data is owned by the consultant but upon request will be anonymized and shared with the client. *For this project, external stakeholder (community) survey and internal (staff and commission/committee member) surveys are recommended.*
- **Interviews.** Interviews with members of the governing Board will be conducted to introduce the consultant(s) and acquire the perspective of the elected officials regarding the current environment, challenges, and issues.

All stakeholder engagement activities include:

1. Discussion and finalization of methods to be used (e.g., focus groups – number and types, type of survey, etc.).
2. Facilitation of the process with selected approaches.
3. Summarization and presentation of thematic results derived from the raw data.

It is the responsibility of the Village to secure any facilities or meeting rooms as well as coordinate invites needed for stakeholder engagement. The Village will coordinate with CP² Consulting for room arrangements/set-up, participant list, and refreshments for all workshops and project sessions. The Village should check with its legal counsel to make sure all meeting postings are consistent with any open meetings act procedures. The Village is responsible for reviewing and securing facilities including technology or equipment, supplies and/or other ancillary logistical items, as well as refreshments and any associated costs.

Phase 3: Understanding the Operating Environment

The introductory step in the strategic planning process is to understand the operating environment. This is accomplished in three ways: (1) an Environmental Scan; (2) an Organizational Profile; and (3) a SWOT (Strengths, Weaknesses, Opportunities, Threats) analysis.

- **Conduct Environmental Scan**
An environmental scan is a thoughtful analysis and evaluation of the strategic environment facing the organization. Environmental factors affecting the organization's operative environment should be reviewed, including financial and economic conditions, demographics, political and intergovernmental relations, citizen and stakeholder issues, technology changes, environmental sustainability, and the regulatory environment.
- **Develop Organizational Profile**
An organizational profile is a snapshot of your organization, the key influences on how it operates and the key challenges it faces. It is prepared by staff with guidance from the consultant. Specifics regarding governance, organizational structure, work processes, staff capacity and capabilities, and the strategic environment are included.

➤ SWOT Analysis

A SWOT questionnaire is administered in advance of the strategic planning retreat to all strategic planning participants. This provides a leadership perspective on the current internal and external environments. The SWOT is administered by the consultant to ensure anonymity; candor by participants is encouraged to uncover and understand strategic issues. The data generated is used at the strategic planning retreat.

Phase 4: Strategic Planning Workshops

Strategic Planning Session #1- Review Stakeholder Feedback, Environmental Scan, and Organizational Profile

This session includes the governing Board and leadership team and is dedicated to reviewing the results of the internal and external stakeholder feedback, the environmental scan, financial analysis, and the organizational profile. The consultants will present focus group and survey results (if applicable); the staff will present the organizational profile and environmental scan. The session concludes with a facilitated discussion amongst the governing Board regarding issues raised. (This session is typically one hour or less in length and can be combined with a regularly scheduled Board meeting or work session)

Strategic Planning Session #2 – Facilitate Strategic Discussion, Mission, and Vision Review, and Strategic Goal Development

This session includes the governing Board and leadership team and focuses on reviewing or confirming organizational purpose, examining the operating environment, and establishing strategic goals. The impact of organizational culture will be discussed via a facilitated conversation. The current mission, vision, and values will be reviewed and updated as appropriate. A facilitated process is held to generate a list of organizational challenges and a resulting set of strategic goals. The group's effort will be informed by the results of the information generated by the scan, profile, and results of the SWOT questionnaire. (This session is typically 3-4 hours and is the morning session of a one-day retreat, combined with Session #3)

Strategic Planning Session #3 –Establish Outcomes, Key Indicators, Targets

This session includes the government Board and leadership team and is dedicated to defining a set of outcomes, key performance indicators, and targets to measure progress towards the strategic goals established in Session #2. Measures are established with the priority of establishing clear alignment between all measures, resulting in buy-in through all levels of the organization. (This session is typically 3-4 hours and is the afternoon session of a one-day retreat, combined with Session #2)

Phase 5: Implementation Strategy and Plan

Achieving strategic goals can be a daunting challenge unless deadlines and accountability measures are put into place. As a result, CP² Consulting in collaboration with the Village will focus on building buy-in throughout the organization. CP² Consulting will also work to develop an implementation strategy that clearly demonstrates how employees throughout the organization play a role in breathing life into the strategic goals and overall strategic plan that is intended to guide the community forward over the next 3-5 years.

CP² Consulting will work with the Village to assemble an Implementation Team, representing staff from multiple levels and job functions throughout the organization. The Implementation Plan development process aligns efforts to ensure that every department works together in a complementary fashion as they achieve measurable progress towards common goals. We will discuss resources for tracking progress using systems ranging from spreadsheets to software, depending on your organizational preference.

Strategic Plan Implementation Session #1—Develop Strategic Initiatives/Project Plans

This session is conducted with the Implementation Team and focuses on cascading the strategic plan throughout the organization through the development of initiatives and project plans. Project plans will be developed to include milestones to measure progress on initiatives, providing accountability. Options to manage the Strategic Plan progress, including internal tracking or using external software, will be determined with the leadership team. A Strategic Plan Final Report that includes an Executive Summary will be submitted to the Administrator once Initiatives are established.

Strategic Plan Implementation Session #2- Project Plan refinement and integration

This session is conducted with the Implementation Team and focuses on further cascading of the strategic plan throughout the organization to achieve integration of effort across service areas. It includes development of the first year's workplan, including deadlines and task responsibilities. Development of a Learning Culture will be introduced via a facilitated conversation and key elements incorporated in the Implementation Plan. Best practices for a Communication Plan to roll out both the Strategic Plan and the Implementation Plan to the full organization will be discussed.

Quarterly Check-ins

Three sessions are conducted remotely with the Implementation Team to discuss progress on strategic goals and building of organizational culture. The sessions are generally 30-60 minutes, conducted remotely via Zoom with the Implementation Team and focus on sharing successes and finding solutions for obstacles. Progress on both Strategic Plan Implementation and the development of a Learning Culture will be discussed.

Project Timeline

The strategic planning meeting activities and workshops will be held on dates that are mutually convenient for both the Village's participants and CP² Consulting. The completion date will be dependent on the timing and sequence of the various planning components and leadership workshops. The following is a sample timeline for the recommended multi-phased approach:

Sample Project Plan

STEP	POTENTIAL DATES*	ACTIVITIES
Project Initiation	May 20 th	Project planning, Kick-off senior management session

STEP	POTENTIAL DATES*	ACTIVITIES
Development of Environmental Scan, Organizational Profile	May 24 th – June 25 th	Environmental Scan, Organizational Profile
Stakeholder Engagement	May 24 th – June 25 th	Environmental Scan, Financial Review, Stakeholder Engagement
Data review, preparation	June 25 th – July 1 st	Synthesis of stakeholder data
Strategic Planning Session #1-	July 9 th	Review Stakeholder Feedback, Environmental Scan, Organizational Profile
Strategic Planning Sessions #2 and #3**	July 20 th	Strategic planning sessions including review and updating of mission, vision, and values as appropriate
Strategy Implementation Session #1	July 30 th	Management & staff session Initiatives, action plans, performance management
Summary Report including Executive Summary	August 13 th	Report submitted for client review
Strategy Implementation Session #2	August 13 th	Project Plan, first year Workplan
Quarterly Check-Ins	November, February, May	Consultant-client review, strategy session

*Dates to be confirmed after initial project meeting between the Village project staff and CP² Consulting

**Option to have one full day or two half days

Consultant Information

Company Information

CP² Consulting is a strategic planning and organizational development company that works with local governments to create and implement strategic plans that achieve measurable outcomes. Our company provides data-based solutions that enable organizations to actively engage stakeholders, define future outcomes with significant impact and implement result-oriented strategies to meet those goals. We incorporate leading performance management practices to help our clients measure and analyze performance data and implement strategies to achieve results with considerable impact.

Company History

CP² Consulting was founded in 2021 by Cory Poris Plasch, an experienced local government and 501(c)3 nonprofit leader passionate about helping the public sector and nonprofits achieve significant impact and results. Since 2015 she has worked with municipalities in numerous states, assisting them in stakeholder engagement, developing measurable and impactful strategic plans, and designing implementation plans that inspire the entire organization. CP² Consulting works primarily with clients in Wisconsin, Illinois, Tennessee, and Iowa.

Project Lead

Cory Poris Plasch, MPA, CEO of CP² Consulting. Cory has served in variety of leadership positions in the public and private sector including Executive Director of the Wisconsin City/County Management Association, Membership Director for the Alliance for Innovation, and most recently as Vice President of Strategic Development at POLCO. Her local government experience ranges from 911 Dispatcher to the City Manager's Office in several communities. She speaks across the country on topics including the use of data, implementation of strategic plans, engaging hard-to-reach populations, and innovation in local government. She has a master's degree in public administration from Northern Illinois University and she has been assisting local governments with stakeholder engagement, developing performance measures, and establishing a learning culture since 2015.

Contact Information

CP² Consulting
25 N River Lane, Suite 25431
Geneva, IL 60134
cory@cp2consulting.net
630-476-0763

References

CP² Consulting has worked with numerous clients on strategic plans, and strategic plan implementation. References include:

Nolan Ming, City Administrator, McMinnville, TN
E-mail: nming@mcminnvilletn.gov 931-473-1203 (O)

Tim Blakeslee, City Administrator/Utilities Manager, Plymouth, WI
E-mail: TBlakeslee@plymouthwi.gov 920-893-3745 (O)

Casey Griffiths, City Administrator, City of Cudahy, WI
Email: caseyg@cudahy-wi.gov 414-769-2227

Ben McCready, Assistant City Administrator, Geneva, IL
Email: bmccready@geneva.il.us 630-938-4540 (O)

Mark Maloney, Village President, Weston, WI
E-mail: mmaloney@westonwi.gov, 715-410-2756 (C)

Budget

Breakdown of Costs

The fee for this project (not including stakeholder engagement) is:		\$20,000
Small Community Discount		\$-4,000
Stakeholder Engagement Options:		
Focus groups (up to 3 per day, 6 groups total)	\$2,000/day	\$4,000
Semi-Custom External Stakeholder Strategic Priorities Survey		\$2,500
Semi-Custom Internal Stakeholder Survey		\$2,000

Total including all stakeholder options: **\$24,500**

Payments shall occur according to the following schedule:

1. Twenty-five percent (25%), upon execution of this agreement.
2. Twenty-five percent (25%) 60 days after the execution of the agreement
3. Twenty-five percent (25%) 90 days after the execution of the agreement
4. Twenty-five percent (25%) upon submittal of final report
5. Payments shall be made upon receipt of invoice

If this proposal is acceptable, please sign below and return one copy to Cory Poris Plasch at cory@cp2consulting.net



March 5, 2024

Cory Poris Plasch,

Date

Approval:

for Mukwonago WI

Date



ABOUT US

WHO WE ARE

CP2 Consulting is a strategic planning and organizational development company that works with local governments to create and implement strategic plans that achieve measurable outcomes, preventing your plan from gathering dust on a shelf. We work with the organization, individual departments, and your staff to find common values and goals that move your organization forward.

WHO WE SERVE

Our company works with local governments and nonprofits to incorporate unique implementation solutions to meet their strategic goals and to make sure that those goals are understood and feel relevant for all staff, from leadership to front-line employees.

OUR SOLUTIONS

Our company provides data-based solutions that enable organizations to actively engage stakeholders, define future outcomes with significant impact and implement result-oriented strategies to meet those goals.

OUR APPROACH

CP2 Consulting partners with local governments and nonprofits to provide strategic planning, implementation of strategic plans, and organizational culture development. We help our clients focus on the most important priorities, make better decisions, and leverage data to think and act strategically. Clients find that our dedication to enhancing organizational agility and prioritization of resilience allows for the ability to navigate ever-changing circumstances while still achieving strategic results.

OUR SERVICES



STRATEGIC PLANNING

We turn your strategies into actionable plans that align available resources and capabilities with long-range goals.



IMPLEMENTATION OF EXISTING PLANS

We can review the elements of your current strategic plan, assess the implementation process, and work collaboratively to map out an implementation schedule that will help you meet your strategic goals.



ORGANIZATIONAL CULTURE

We provide strategy development, advanced data analysis, management support, and the experience to bring everything together into a robust, functional, and inclusive approach that accomplishes big goals.

 630-476-0763

 cory@cp2consulting.net

 www.cp2consulting.net

Village of Mukwonago Strategic Directions, 2021-2022

August 3, 2020

The Village of Mukwonago's mission is "To maintain a village atmosphere with city amenities through planned, sustainable growth and visionary leadership." To assist in delivery on mission, Extension delivered a strategic planning process tailored to the village's needs.

In January 2020, Extension and Village of Mukwonago planned for a three session facilitated process with the board of trustees and department heads with two overarching goals: participants strengthen professional relationships and determine 3-5 strategic issues to guide budget development in the next two years. John Bryson, a leading authority on strategic planning with public and non-profit organizations, defines *strategic issues* as "a fundamental policy choice or change challenge affecting an organization's mandates, mission, product or service level, clients, cost, financing, structure, processes or management."

On March 5, Extension conducted the Real Colors training where participants recognize different strengths and ways people process information to help modify their approach to effective communication.

On March 5, Extension conducted the Real Colors training with Department Heads and Village Board members. Participants learned to recognize their own strengths and the strengths of others. They also learned ways people process information to help modify their approach to effective communication. This training will strengthen the team dynamics of working together and decision making.

On March 12, 2020, the Village of Mukwonago department heads and board of trustees conducted an environmental scan assessment to identify the Strengths, Weaknesses, Opportunities and Challenges (SWOC). The SWOC analysis was conducted with all planning participants split into two groups that comprised of both department heads and board of trustees. The two groups each identified external challenges and opportunities, and internal strengths and weaknesses. The groups were then encouraged to further describe each item and explore options to address each item. Members from each group then shared their lists with the large group. Between session two and three, facilitators grouped SWOC responses into themes. These findings will now be used to identify strategic and operational issues that the village is facing in the next two years.

Shortly after session two, COVID-19 brought on the "Safer at Home" order which created a gap between session two and three. With the difficulties of facilitating a strategic planning process virtually, Extension requested and received approval to continue in person for the third session, with a maximum of 16 participants and safety measures in place.

On July 8th, two new board of trustees members joined the process and participated. The meeting goal was to identify and prioritize three to five strategic issues the village is facing in

the next two years. Copies of findings from the SWOC analysis were shared with all participants and multiple strategy screens were used to determine high priority shared issues: if the issue was strategic or operational, if the Village could address the issue in the next two years, and consequences of no action. After framing the issues, participants cast four votes each to help prioritize the issues.

The top five strategic issues identified were:

1. Staff recruitment and retention (15, Internal Weakness)
2. Open and honest communication to foster trust between board members and department heads (15, Internal Strength)
3. Maintain balance of quality of life for all demographics (11, External Opportunity)
4. Work with Downtown Development Committee to address downtown strategic plan traffic issues (7, External Challenge)
5. Utility capacity as a 5-10 year challenge (6, Internal Weakness)

Operational Issues identified:

- 5-year capital plan is too short. Expanding time frame will allow time include additional items to plan for (9)
- Internal investments/systems improvement yields more capacity – realizing benefits (3)
- Electronic payments (3)
- Invest in new equipment (3)
- Tax base is solid (maintain, IS)
- Embrace technology
- Good planning- (there are) many plans to ensure they are current; Plan for the unexpected
- Well funded with healthy financial management, healthy reserve and clean audits
- Agile: add/adjust positions; adjust to the demands to the environment, policies and/or programs
- Meeting structure: option at end of COW for more details on the topic; more interaction in the past with committee meetings; presenting to whole board
- Record retention
- TIF # 3- (day to day efforts)

The next steps for the process will include strategy development to address each of the strategic issues for the village to better fulfill its mission, meet mandates, achieve issue-specific goals and create public value. See SWOC analysis results below to assist strategy development.

SWOC Results from March 12, 2020

External Challenges are defined as the outside factors or situations that can affect the organization in a negative way, making it harder to fulfill the mission, meet mandates or create public value. Below is a combined list that the two groups' identified.

1. *Identify Issues that that the Village can do something about (strategic and operational).*
2. *How does each issue help the Village to meet mandates, fulfill mission, and create public value?*
3. *What are the consequences for not addressing this issue?*

Working with State

- Levy limits
- Unfunded mandates
- Unfunded Mandates (State statues; codes; interpretation)
 - Become more internally sufficient (i.e., technology)
 - Lobbying
- Regulatory Agencies (DOT, CNR, Waukesha County, DOR)
(Regulatory framework or requirement)
 - Find ways to engage w/them and move the needle
- DNR issues – standards w/out control over
- State Funding for roads
- State Law – gov regulations (ex., Dark Store)

Village/Community Challenges

- Greenwald – working w/landowners
- Demand for services – drain on resources
- Quality of available land (buildable)
- Competing interests for resources w/residents (ex., 65 +... young families)
- Funding (borrowing, grants availability)
 - Expanding tax base
- Customer Service Challenges
 - Implementing technology
 - Providing them the resources and access
 - Continue to communicate changes in quarterly newsletter
- Traffic Problem
 - flow pattern, impact of railroad crossing
 - engage w/DOT & DDC
- Litigation

- Not let it be a distraction
- It will resolve itself
- Unreasonable developers
 - Clearly communicate rules
 - Be consistent w/application

Communication Challenges

- Social Media – mis-information creates challenges
- Getting info out to public – transparency
 - Ways to reach all ages
- Neighboring Communities
 - keep engaging
 - take lead when necessary

External Opportunities are defined as the outside factors or situation that an organization can take advantage of to better fulfill its mission, meet mandates or create public value. Below is a combined list that the two groups' identified.

1. *Identify Issues that that the Village can do something about (strategic and operational).*
2. *How does each issue help the Village to meet mandates, fulfill mission, and create public value?*
3. *What are the consequences for not addressing this issue?*

Growth and Development Opportunities

- Land available (growth)
- Boundary agreement - in process
- Opening hospital
 - Attract medical specialists, clinics, etc
- Outside Investment
 - Commercial development, still a place people want to come to; no immediate competition; 43 (Freeway I-43??); timing
- Working w/other communities (finish boundary agreement w/Vernon)
 - annual meeting
 - IGA
- Better define how our community can use our zoning code to define development
 - Zoning code rewrite

Financial Opportunities

- Grant opportunities – continue to look for
- Low interest rates – good for refinancing and growth

Changing Demographics

- Growing Younger Population
 - Supporting local economy; services of village; also supportive by surrounding communities
- People want to live here to stay here (age in place)
 - Diverse options
 - Continue conversations w/St. James
 - Finalize existing developments

Operational

- Internal investments/systems improvement yields more capacity
 - Realizing benefits
- Electronic Payments
- Invest in new equipment
- 5-year capital plan (too short)
 - expand to put new things on radar – time to plan for

Intergovernmental Collaborations

- Working w/other larger govt agencies
 - meeting w/Parks & Land Use Div (Waukesha County) to collaborate on mutual projects
 - Taking advantage of League of Municipalities

Business Retention and Expansion

- BRE Program
 - Continue
 - Simplify licensing & permits and administration process

Community Partners

- Community Partners (Hospital, YMCA, Chamber, School District, Library, etc)
 - Draws people to community daytime and weekend population
 - Rely on them to fill in gap that we cannot/don't currently provide
 - Complete, high quality school district
 - Businesses team up w/ school

Internal Strengths are defined as resources or capabilities that help an organization accomplish its mandates or mission and create public value. Below is a combined list that the two groups' identified.

1. *Identify Issues that that the Village can do something about (strategic and operational).*
2. *How does each issue help the Village to meet mandates, fulfill mission, and create public value?*
3. *What are the consequences for not addressing this issue?*

Board & Staff Dynamics

- Chairs of Committees do not micro-manage – good interaction w/board
- Organization core values exhibited
 - board not worried about being blind-sided
- Quality of Board – community oriented
- Staff that appears to work together
 - Board trusts to get info don't understand __ trust (???)
- Board gives tools to do job & allows them to
- Dept capacity to meet challenges
 - Level of commitment
- Team Players
- Trust
 - High level between elected officials and Dept Heads
- Talented
 - highly educated & trained staff
 - continuing education of staff
 - staff cross-trained
- Unity w/Departments
 - close, tight-knit
 - we have each other's back
 - work together
 - no silo
- Communication – between board and Dept Heads

Operational

- Tax base is solid
- Embrace technology
- Good Planning
 - Many plans & ensure they are current
 - Plan for the unexpected
- Well-funded
 - healthy financial management
 - Healthy reserve
 - clean audits
- Agile

- Add/adjust positions
- Adjust to demand to environment, policies, and/or programs

Community Assets

- Library is excellent – volume of visitors
 - School District
-

Internal Weaknesses are defined as deficiencies in resources or capabilities that hinder an organization's ability to meet its mandates, fulfill its mission, and create public value. Below is a combined list that the two groups' identified.

1. *Identify Issues that that the Village can do something about (strategic and operational).*
2. *How does each issue help the Village to meet mandates, fulfill mission, and create public value?*
3. *What are the consequences for not addressing this issue?*

Staff Capacity

- Time
 - limited resources
 - limited available people for additional tasks
- Staff - retention & hiring new employees
 - employees, qualified candidates
 - competition market
- Young Staff
 - in age and experience
 - more training needed up front
- Retention – DPW & Fire Dept
- Internal Pay Scale
 - keeps place w/inflation (not enough)
- Occasional silos

Additional Impact of Increased Workload/Growth

- Burn-out – keeping up w/growth
- Paperwork increased w/growth & development (unfunded mandates)
- Timing for decision
 - having facts at right time for response
- Growth – double edge sword
 - Workload of board members
- Plan Commission

- Receive incomplete applications in advance pushed on staff
- Overly flexible/accommodating
- Communication
 - Not always know what is going on during busy/fast paced time

Operations

- Meeting structure
 - option at end of COW (??) for more details on topic.
 - more interaction in past w/committee meetings
 - presenting to whole board
- TIF #3
 - barely cash flowing
 - not developing fast enough
- Record retention
- Utility capacity
 - 5 to 10 year challenge

Summary from Session 3 - July 8, 2020

Meeting Goal: Participants identify and prioritize 3-5 Strategic Issues to guide budget development for 2021-2022

Process: Review and discuss SWOC findings to supply an overall systems view of the organization and the factors that affect it. Participants then applied a strategy screen to determine if topics were operational or strategic, something the village can address with available resources in the next two years, and what the consequences would be if not addressed. When reviewing each section of the SWOC results, participants were asked to identify 8-10 most important of each External Opportunities (EO), high priority External Challenges (EC), most important Internal Strengths (IS) and the most important Internal Weaknesses (IW). Votes were added up per item and the highest ranking items moved forward in the process.

Items identified as operational issues were removed from the list and grouped with other operational topics. Operational issues are beneficial to address. They have the most impact on day to day work. Finding ways to take action energizes the strategic planning process by seeing immediate results that affect the work, and they help to remove barriers that confront an organization's strategic issues.

Findings:

Strategic Issues Identified:

- Work with Downtown Development Committee to address downtown strategic plan traffic issues (7, EC)
- Work with landowners under litigation to resolve TIF issue: barely cash flowing; not developing fast enough (1)
- Working with county and state on shared projects such as roads (2)
- Lack of state funding for state and county roads
- Maintain balance of quality of life for all demographics (11, EO)
- Promoting competition for the best results for the Village with commercial developments (EO)
- Maintaining and developing community partnerships to support services for our residents (1)
- Maintain and expand professional development of staff for retention and recruitment (Internal Strength?)
- Continue to empower staff to work together as a team to address strategic and operational issues
- Open and honest communication to foster trust between board members and department heads (15)
- Maintain and grow relationships with community assets (IS)
- Increase demand on services with limited capacity (2, IW)
- Staff recruitment and retention (15)
- Utility capacity as a 5-10 year challenge (6, IW)

Operational Issues sorted out from SWOC:

- Looking for grant opportunities (EO)
- Customer service challenges (EC)
- Improving communications/transparency with public
- Five year capital improvement plan
- Working with other larger government agencies
- Timing for decisions- having facts at the right (with enough) time for decision making (8)

Operational Issues previously identified and ranked:

- 5-year capital plan is too short. Expanding time frame will allow time include additional items to plan for (9)
- Internal investments/systems improvement yields more capacity – realizing benefits (3)
- Electronic payments (3)
- Invest in new equipment (3)
- Tax base is solid (maintain IS)
- Embrace technology

- Good planning- (there are) many plans to ensure they are current; Plan for the unexpected
- Well funded with healthy financial management, healthy reserve and clean audits
- Agile: add/adjust positions; adjust to the demands to the environment, policies and/or programs
- Meeting structure: option at end of COW for more details on the topic; more interaction in the past with committee meetings; presenting to whole board
- Record retention
- TIF # 3- (day to day efforts)

May 4, 2024

Mr. Fred Winchowky
Village President
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

Re: GS Global Expansion
SWMA Approval

Dear President Winchowky:

GS Global, located at 912 Perkins Drive, is planning an expansion of their existing facilities. Storm water management devices are being installed as part of the proposed expansion and the attached SWMA has been developed and approved by Staff. We, therefore, recommend to you and the Village Board:

1. Approval and recording of the Storm Water Maintenance Agreement for GS Global, a.k.a 929 Properties LLC.

If you or any other staff member should have any questions regarding this, please feel free to contact me at (262) 542-5733.

Respectfully,

RUEKERT & MIELKE, INC.



Peter W. Gesch, P.E., (WI)
Municipal Services Team Lader
pgesch@ruekert-mielke.com

PWG:pwg

Enclosure(s)

cc: Diana Dykstra, Village of Mukwonago
Shay Zervas, Village of Mukwonago
Ron Bittner, Village of Mukwonago
Wayne Castle, Village of Mukwonago
Tim Rutenbeck, Village of Mukwonago
Corry Eifert, Village of Mukwonago
Jeff Stien, Village of Mukwonago
Dan Streit, Village of Mukwonago

RESOLUTION NO. 2024-31

**A RESOLUTION TO APPROVING THE STORM WATER MANAGEMENT
AGREEMENT FOR GS GLOBAL, D/B/A 929 PROPERTIES LLC
IN THE VILLAGE OF MUKWONAGO**

WHEREAS, action by the Village Board of the Village of Mukwonago is required to approve a Storm Water Management Agreement, and

WHEREAS, Ruekert-Mielke Engineers for the Village of Mukwonago have issued a recommendation for approval of Development Documents which include the Storm Water Management Agreement, and

WHEREAS, the Village Board has reviewed the SWMA as presented in Exhibit A, and is subject to the conditions set forth therein, including but not limited to the providing of funds for the escrow regarding village fees, the sureties required in the agreement in form acceptable to the Village and evidence of the required insurance coverages.

NOW, THEREFORE, BE IT RESOLVED the Village Board of the Village of Mukwonago, Wisconsin, hereby approves the Storm Water Management Agreement with GS Global, d/b/a 929 Properties LLC, in the Village of Mukwonago as attached hereto and incorporated by reference as Exhibit A, and all provisions therein.

Passed and dated this 15th day of May 2024.

Village of Mukwonago

By: _____
Fred Winchowky, Village President

Attest: _____
Diana A Dykstra, Village Clerk-Treasurer

929 Properties LLC
Storm Water Maintenance Agreement
Village of Mukwonago, County of Waukesha, WI

929 Properties LLC, as "Owner" of the property described in Exhibit A, in accordance with Chapter 34 of the Village of Mukwonago Municipal Code, agrees to install and maintain storm water *management practices* on the subject property in accordance with approved plans and Storm Water Permit conditions. The Owner further agrees to the terms stated in this document to ensure that the storm water management practices continue serving the intended functions in perpetuity. This Agreement includes the following exhibits:

Exhibit A: Legal Description of the real estate for which this Agreement applies ("Property").

Exhibit B: Location Map - shows an accurate location of each storm water management practice affected by this Agreement.

Exhibit C: Maintenance Plan - prescribes those activities that must be carried out to maintain compliance with this Agreement.

Exhibit D: Design Summary - contains a summary of key Engineering calculations and other data used to design the storm water management practices.

Exhibit E: As-built survey (to be recorded as an addendum) - shows a detailed "as-built" cross section and plan view of the storm water management practices.

Exhibit F: Engineering/Construction Verification (to be recorded as an addendum) - provides verification from a Professional Engineer that the design and construction of the storm water management practices complies with all applicable technical standards and the Village's requirements.

NOTE: After construction verification has been accepted by the Village of Mukwonago, for all planned storm water management practices, an addendum(s) to this agreement shall be recorded by the Village showing construction details and construction verification. The addendum(s) may contain several additional exhibits, as described below.

Through this Agreement, the Owner hereby subjects the Property to the following covenants, conditions and restrictions:

1. Upon execution of this Agreement, the Village shall record the Agreement at the Waukesha County or Walworth County Register of Deeds, as applicable. The recording of this Agreement shall be a condition for the issuance of a Storm Water Permit. An addendum to this Agreement shall be recorded upon project completion which shall include submittal of Exhibit E and Exhibit F in an acceptable form to the Village. The recording of Amendment #1 including Exhibit E and Exhibit F shall be a condition for the issuance of an occupancy permit.
2. The Owner shall construct, maintain and if necessary reconstruct the storm water management practices so as to maintain their compliance with applicable governmental, statutes, ordinances or rules. The Owner shall be responsible for the routine and extraordinary maintenance and repair of the storm water management practices identified in Exhibit B in accordance with the maintenance plan contained in Exhibit C.

3. The Owner shall, at their own cost inspect the storm water best management practices on an annual basis and maintain records of annual inspections and maintenance performed. Records shall be made available to the Village upon request within 30 days of written notice. Annual inspections shall be performed as detailed in Exhibit C Maintenance Plan of the storm water maintenance agreement and shall be performed to determine if the facility is functioning within the design parameters. Commencing in 2024 and every five years thereafter the Owner shall, at their own cost, have a certification inspection of the storm water management practices conducted by a professional engineer, who shall then file a report with the Village of Mukwonago no later than December 31st of the same year. Upon written notification by Village of Mukwonago or its designee the Owner shall, at their own cost and within a reasonable time period determined by the Village of Mukwonago, have an inspection of the storm water management practices conducted by a professional engineer, who shall then file a report with the Village of Mukwonago. The Owner shall thereafter timely complete any maintenance or repair work recommended in any of the above reports. The Owner shall be liable for the failure to undertake any maintenance or repairs.
4. In addition, and independent of the requirements under paragraph 2 above, the Village of Mukwonago, or its designee, is authorized but not required to access the property as necessary to conduct inspections of the storm water management BMP's to ascertain compliance with the terms and intent of this Agreement and the activities prescribed in Exhibit C. The Village of Mukwonago may require work to be done which differs from the report(s) described in paragraph 3 above, if the Village of Mukwonago reasonably concludes that such work is necessary and consistent with the intent of this agreement and /or with Chapter 34 of the Village Code of Ordinances. Upon notification by the Village of Mukwonago of required maintenance or repairs, the Owner shall complete the specified maintenance or repairs within a reasonable time frame, as determined by the Village of Mukwonago.
5. If the Owner does not complete an inspection under 3 above or complete the required maintenance or repairs under 2 above within the specified time period, the Village of Mukwonago is authorized, but not required, to perform the specified inspections, maintenance or repairs. In the case of an emergency situation, as determined by the Village of Mukwonago, no notice shall be required prior to the Village of Mukwonago performing emergency maintenance or repairs.

The cost of inspections or measures undertaken by the Village pursuant to this agreement shall be first paid from the proceeds of any surety maintained to secure the performance by the Owner/Developer of its obligations under this agreement and the conditions of the use, site and architectural approval. In the event that the costs of said measures shall exceed the value of the surety or the surety has expired or been terminated, then in that event the cost of said measures shall be assessed as a special charge for current services pursuant to Wis Stat Sec. 66.0627. Any such assessment which is not paid within 60 days after billing shall be deemed a delinquent special charge and shall become a lien upon the parcel against which such charge has been assessed. Such delinquent charges shall be extended upon the current or next tax roll as a delinquent tax against the parcels for which

payment has not been received by the Village and all proceedings in relation to the collection, return and sale of property for delinquent real estate taxes shall apply to such special charges. The Developer hereby consents to the levy of such charge and waives notice and the right to hearing.

6. This Agreement shall run with the property and be binding upon all heirs, successors and assigns. After the Village records this document, the Village of Mukwonago shall have the sole authority to modify this agreement contingent upon the Village of Mukwonago providing a 30 day written notice to the current Owner. Any modifications shall conform to the minimum requirements of Chapter 34 (or its successor) and be written so as to ensure the long-term maintenance of the storm water BMP's.
7. The Owner/Developer agrees to pledge a surety in a form acceptable to the Village of Mukwonago to secure performance of the obligations arising from the construction and maintenance of the storm water BMPs provided for under this Agreement in the amount of 120% of the actual cost of the storm water BMPs. Said surety shall remain in effect for a period of three (3) years from the date of the execution of this Agreement or until drawn upon in full by the Village or one year (1) from the date of the certification of the storm water improvements whichever occurs first. Release of the surety prior to the deadlines stated herein shall be governed by Mukwonago Village code section 34-108(c) as amended
8. This Agreement shall be governed and construed in accordance with the laws of the State of Wisconsin.

Dated this 17 day of April, 2024

Owner:

John Thornton
Authorized Representative of 929 Properties LLC

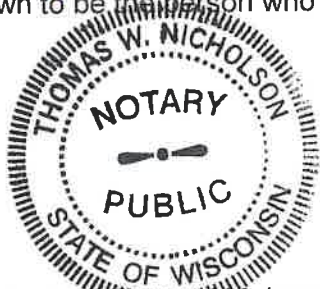
John Thornton, Manager

(Printed Name of Authorized Representative)

State of Wisconsin:

County of Waukesha

Personally came before me this 18th day of April, 2024, the above named John Thornton, as the authorized Representative of 929 Properties for the purpose of signing this document, to me known to be the person who executed the foregoing instrument and acknowledged the same.



[Name]

Thomas W. Nicholson
Notary Public, Waukesha County, WI

My commission expires: 2/11/2028

Accepted by the Village of Mukwonago this 18th day of April, 2024.

Fred Winchowky, Village President

Diana Dykstra, Village Clerk

This document was drafted by:

Attorney Mark G. Blum

Hippenmeyer, Reilly, Blum,

Schmitzer, Fabian & English, S.C.

P.O. Box 766

Waukesha, WI 53187-0766

Telephone: (262) 549-8181

Facsimile: (262) 549-8191

Email: mgblum@hrblawfirm.com

**EXHIBIT A -
LEGAL DESCRIPTION
(GS GLOBAL RESOURCES, INC.)**

Legal Description of the Property for which this Agreement applies:

Lot 1 of Certified Survey Map No. 11404, being part of the Southwest 1/4 of the Northeast 1/4 of Section 25, Township 5 North, Range 18 East, in the Village of Mukwonago, Waukesha County, Wisconsin.

**EXHIBIT B -
LOCATION MAP**

(GS GLOBAL RESOURCES, INC.)

Location Map of the storm water management practices for which this Agreement applies:

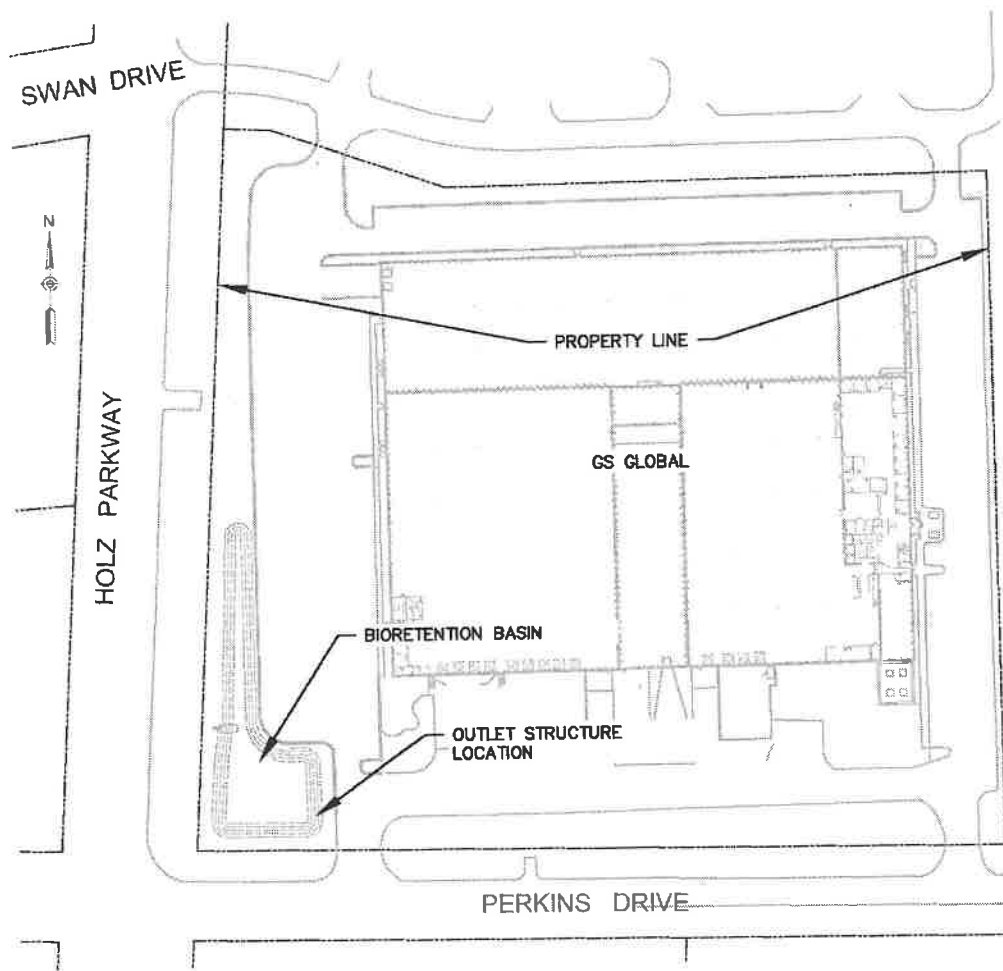


EXHIBIT C - MAINTENANCE PLAN

(GS GLOBAL RESOURCES, INC.)

Inspection and Maintenance Schedule

I. Post Storm Event Inspection:

Inspect the following after every major rainstorm, defined as a storm which provides more than 2.5-inches of rainfall within a 24-hour period. Make any repairs as necessary:

1. Debris cleanup: The storm sewer inlets, bioretention basin and outlet control structure shall be inspected and all debris shall be collected and disposed of appropriately. The goal of this cleanup process is to remove all materials that may contribute to clogging and thus reduce functionality of the storm sewer system and bioretention basin.
2. Erosion repair and sediment removal: Eroded areas shall be promptly repaired using low-impact earth moving techniques commensurate with the scale of the repair task. Any bare soil areas shall be revegetated according to the original design specifications.

II. Annual Inspection:

Inspect the Bioretention Basin and Storm Sewer Conveyance Network for the following every year in spring. Make any repairs as necessary

1. Berm and Side Slope Inspection: Walk along the entire basin perimeter and inspect all berms and side slopes for settling, cracking, erosion, or leakage.
2. Inlet/Outlet Pipe Inspection: Inspect all pipe inlets and outlets for any pipe separation or erosion.
3. Storm Sewer Conveyance Network: Inspect all storm sewer structures and conveyance piping for any excessive debris.
4. Bioretention Basin Inspection: Visually inspect the base of the basin for sediment accumulation. Any sediment should be removed and repairs made to the base of the basin, if necessary. Sediment disposal locations shall meet State Code.
5. Outlet Structure Inspection: Inspect the outlet structure and outlet pipes. Clear away all debris and remove any blockages. Check for erosion or riprap displacement.

III. Every Third Year

Inspect the following every third year during spring. Make any repairs as necessary:

1. Exotic and noxious weed management: Plantings in stormwater management facilities shall be surveyed for exotic and noxious weed growths. This survey must be conducted by a qualified individual, knowledgeable in horticulture and the recognition of wetlands vegetation. If noxious or exotic weed growths are present, they shall be eliminated using appropriate methods, and the area shall be revegetated according to the original site specifications, if necessary.

EXHIBIT D - DESIGN SUMMARY

(GS GLOBAL RESOURCES INC.)

Storm Water Design Targets

Storm Water Quality Improvement

The site requires 77% reduction in total suspended solids (TSS) as compared to no controls.

Peak Discharge Rate Control

The following rate controls are to be met by the site:

- 100-year post-construction shall be less than or equal to the 10-year pre-construction;
- 10-year post-construction shall be less than or equal to the 2-year pre-construction; and,
- 2-year post-construction shall be less than or equal to the 2-year pre-construction.

Water Quantity Reduction

Storm Events

The following storm frequencies and respective rainfall depths for Mukwonago, Wisconsin were used to analyze the storm water runoff conditions.

Design Storm Recurrence Interval and Depths	
Design Storm	Depth (inches)
1-year, 24-hour	2.40
2-year, 24-hour	2.70
10-year, 24-hour	3.81
100-year, 24-hour	6.18

Runoff Curve Numbers (RCN)

An RCN of 98 for impervious area and 80 for grass areas draining to the bioretention basin.

Bioretention Basin and Outlet Structure

The bioretention basin was designed in accordance with WDNR Technical Standards. The outfall structure will control the design storms via a one (1)-year and two (2)-year, 24-hour design storms via a six (6)-inch diameter underdrain, 36-inch diameter vertical riser structure, and a 10-inch diameter outlet pipe. Flow through the primary outfall structure will be conveyed off-site and discharge to the existing swale along the south property line (north side of Perkins Drive).

An overflow spillway was designed to safely convey the 100-year, 24-hour design storm without overtopping the embankments, under plugged conditions. The overflow spillway was verified to be capable of passing the 100-year, 24-hour design storm, if the proposed outlet structure was unavailable. The spillway also discharges to the south property line and ditch adjacent to the north side of Perkins Drive.

Results

The following tables summarize the peak discharge estimates for the Site, and the total routed discharge rate for each design storm event.

Existing Conditions Discharge Rates

Design Storm Event	Peak Flow Rate (cfs)
1-year	4.00
2-year	4.92
10-year	8.57
100-year	16.99

Proposed Conditions Discharge Rates

Design Storm Even	Target Discharge Rate (cfs)	Site Discharge Rate (cfs)
1-year	N/A	3.22
2-year	4.92	3.49
10-year	4.92	4.38
100-year	8.57	5.73

Peak Basin Elevations

Design Storm	Peak Elevation (feet)
1-year	790.93
2-year	791.14
10-year	791.95
100-year	793.48

Water Quality Improvement

Approach

Water quality is proposed to be improved through the use of the bioretention basin to allow TSS particles to settle out of the storm water prior to discharge. The outlet structure was designed to control the rate of discharge during the one (1)-year, 24-hour and two (2)-year, 24-hour design storms to promote TSS settling through the bioretention media prior to discharge from the site.

Storm Events

As previously mentioned, the one (1) and two (2)-year, 24-hour design storms were used to analyze the sediment removal efficiency of the proposed pond. The following table provides the peak discharge rates from the sedimentation pond for the pertinent storm events.

TSS Pond Elevations		
Design Storm	Peak Pond Discharge Rate (cfs)	Peak Elevation (feet)
1-year, 24-hour	2.91	790.93
2-year, 24-hour	3.00	791.14

Results

The proposed Site was analyzed using WinSLAMM software to determine TSS reduction. A reduction of 77% TSS is required by the Village and WDNR. A summary of the results are below for TSS and Total Phosphorus (P).

Source Loading and Management Model (SLAMM)		
	TSS	P
Site without controls	3,095 LBs	9,751 lbs
Site with controls	746.8 LBs	4,535 lbs
Percent Reduction	75.87%	55.49%



Agenda Item Cover Report

Date: May 7, 2024	Committee/Board: Personnel Committee
Submitted by: Diana Dykstra	Department: Interim Admin/Clerk-Treasurer
Date of Committee Action: May 15, 2024	Date of Village Board Action: May 15, 2024

Subject:

Intern/Management Analyst Wage Adjustment

Executive Summary:

The Village budgets \$15,600 each year in Economic Development for the Intern position. It was clear this year with the reduced staffing we would need to have some additional project management assistance. I met with Mason Stebnitz who is a recent graduate of UW Madison. He was scheduled to become an Intern in 2023 and unfortunately with the changes, we were unable to bring him aboard. This year, I have offered him the position again for the Village, and asked him to attend the meeting.

The current wage resolution established an hourly rate for the Economic Development Intern at \$15 per hour. I am asking the Board adjust this rate by Resolution to a wage range like the others. This provides flexibility for future hires.

In addition, I will be filing with the WCMA association to obtain a grant to cover the costs. Those results are unknown and dependent upon the number of applications, however it is promising to have this offset. My goal is to bring in talent to our organization and in order to do this, we need to be competitive. It is difficult to maintain the lower rate when those candidates can work at the local fast food establishment starting at \$16 per hour.

If we are not successful in the grant, we would use only the money allocated for this position and reduce the number of hours worked to a total of 917. This certainly is not an issue as he would be working roughly 20-25 per week for the summer.

Fiscal Impact:

N/A

Executive Recommendation/Action:

Staff Recommends Approval of a Resolution to set a wage range for the Economic Development Intern Position.

Attachments Included

VILLAGE OF MUKWONAGO
WAUKESHA AND WALWORTH COUNTIES

RESOLUTION 2024-29

A RESOLUTION TO AMEND A WAGE RANGE FOR A
NON-REPRESENTED LIMITED TERM INTERNSHIP POSITION

WHEREAS, the Village of Mukwonago Board adopted the 2024 Village Budget on November 15, 2023; and,

WHEREAS, the Village Board of Trustees adopted a wage schedule **Resolution 2023-67** which identified wage rates for employee compensation; and,

WHEREAS, the Staff has recommended an increase in the hourly rate for the Economic Development Internship role based on current hiring conditions; and,

WHEREAS, the following hourly range is established for the non-represented limited term employee serving as the Economic Development Intern based on Department Head recommendation of current hiring conditions for the calendar year 2024:

Economic Development Intern	\$16.00 - \$18.00
-----------------------------	-------------------

THEREFORE, BE IT RESOLVED, this Resolution shall supersede and repeal any and all resolutions relating to the same subject matter previously adopted, and,

BE IT FURTHER RESOLVED, the terms of this Resolution shall take effect on the 1st day of January 2024 for the 2024 Fiscal Year.

ADOPTED this 15th day of May 2024.

Fred Winchowky, Village President

Attest:

Diana Dykstra, Clerk-Treasurer

VILLAGE OF MUKWONAGO, WISCONSIN
Position Description

Title: Economic Development/Administrative Internship	Status: Part-time
Department: Administration	Revision Date: February 11, 2014
Reports to: Village Administrator	Adoption Date: February 18, 2014

I. PRIMARY FUNCTIONS. Under the general direction of the Village Administrator, performs a variety of analytical, administrative and managerial work in support of economic development, and administrative duties. Collects and analyzes data, prepares reports and presentations, drafts various municipal documents and coordinates special events and other projects as assigned. It is the intent of this position that the range of duties will vary between Economic Development or Administration and Policy.

II. ESSENTIAL DUTIES AND RESPONSIBILITIES. The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

A. GENERAL RESPONSIBILITIES

1. Relate and apply knowledge acquired in the academic setting to the municipal government setting.
2. Perform research and special projects related to Economic Development and Administrative Public Policy.
3. Review, analyze, prepare and maintain reports and files on all development activities.
4. May attend and coordinate professional meetings to observe the decision-making process.
5. Prepare for and utilize conferences and other opportunities of learning afforded by staff, community leaders and the Village Administrator.
6. May research grant funding needs, identify potential resources, prepare written reports for funding purposes.
7. Submits all work assignments as assigned punctually and consistently.
8. May assist with social media and communication outreach as requested.
9. This position requires working closely with Department Heads as necessary to carry out duties and cooperative assignments.

III. EDUCATION, LICENSURE/CERTIFICATION AND EXPERIENCE. To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skills and abilities required.

- A. Ideal candidate will be on tract for Bachelor's Degree, MPA, or in graduate course work in business, public administration, marketing, urban planning, management, other closely-related field.

- B. Should have a strong interest in or familiarity with work in a municipal government environment; and a joint goal of both learning about municipal government operations and offering skills and talents to the community.
- C. Must be self-motivated with the ability to work with minimal supervision.

IV. WORK ENVIRONMENT. The work environment characteristics are reflective of the responsibilities as described in the major duties and responsibilities. Work is performed in an office environment, and at times may be arranged limited remote work. Contact with staff, other Village employees, public and governmental agencies are required.

The Village of Mukwonago is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the Village will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.

Employee signature

Date



Wisconsin City/County Management Association

INTERNSHIP PROGRAMS

Revised October 17, 2022

Statement of Policy Purpose

The WCMA Board of Directors has identified the importance of preparing the next generation of public managers for the responsibility of leading our public institutions. Preparation through internships within local governments will inspire students to learn about the profession and potentially devote their careers to public service. In addition, the valuable experience provided through internships will prepare these individuals for the challenges and opportunities of a career in public service.

WCMA will provide funding for both summer and year-round internship programs which must be matched by the local county or municipality. The summer internship program is established with the goal to create a sustainable undergraduate or graduate summer internship program to attract top talent into the profession. However, the county or municipality that is applying does not have to create an ongoing internship program to qualify for the grant. This could be for a onetime internship within a county or municipality.

The second program is designed as a year-long program-based internship targeted at graduate students, but undergraduate internships will be considered. WCMA will provide funding in its annual budget to assist counties and municipalities with creating internship programs that continue beyond the tenure of an individual student. The funding would be greater in the initial year and decrease in each sequential year to assist the municipality with phasing the program into their annual budget.

I. Internship Programs

Summer Internship

WCMA will provide the host agency with a check in the amount of the grant award, not to exceed \$2,500, to be matched by the host organization. The host agency and the intern will determine the appropriate start and end dates for the internship, work schedule, and pay rate, based on the total internship budget (which may be greater than \$5,000, based on the duration and budget of the host organization; however, the WCMA funded sponsorship shall not exceed \$2,500 regardless of the overall host organization budget). WCMA funds are to be used solely for this program. Payment to the organization by WCMA will be made upon verification to WCMA that the successful county or municipality has hired an intern. Priority will be given to new internship positions in an organization. Summer internships can be designated for graduate or undergraduate students. Managers are encouraged to secure matching funds prior to applying. Internships shall take place during the calendar year in which the scholarship grant has been provided.

Year-Round Internship

While WCMA grant funding for year-round internships are mostly designed and targeted towards graduate level work, WCMA will still consider applications for year-round undergraduate internships. WCMA will provide the host agency a check up to \$10,000 based on hours worked per week with the expectation that the community will provide matching funds.

Average 20 hours per week per year (\$10,000)

Average 15 hours per week per year (\$7500)

Average 10 hours per week per year (\$5,000)

The host agency and the intern will determine the appropriate start and end dates for the internship, work schedule, and pay rate, based on the total internship budget (which may be greater than allotted funds, based on the duration and budget of the host organization; however, the WCMA funded sponsorship shall not exceed the budgeted amount in any given year regardless of the overall host organization budget). The county or municipality must demonstrate in the application the desire to use the intern for at least one full year. WCMA funds are to be used solely for this program. Payment to the organization by WCMA will be made upon verification to WCMA that the successful county or municipality has hired an intern. Priority will be given to new internship position in an organization. Managers are encouraged to secure matching funds prior to applying.

II. Award of Grant Funds

Award of the grant will be based on the following:

- Matching funds are required to receive a grant award
- WCMA fiscal year is Jan. 1 – Dec. 31; you can submit an application anytime during the budget year; however, WCMA has limited funds available and grants will be awarded on a first come, first serve basis.
- A grant submittal must include a position description containing the type of work to be completed by the intern and a plan detailing how the county or municipality will contribute to the intern's education and exposure to the different aspects of county or municipal management
- Applicants who have not received a previous award will be given preference

There will be an agreement between WCMA and the organization receiving the graduate level program grant. The amount of a grant award is determined by the number of applicants and availability of funds. The Association has the right to terminate the agreement for any reason upon ninety (90) days advanced written notice of intention to terminate. The Association has the right to terminate the agreement for any reason upon ninety (90) days advanced written notice of intention to terminate.

*VILLAGE OF MUKWONAGO
POLICE DEPARTMENT*



MONTHLY REPORT

April 2024

Citation Totals by Offense

All Departments

Violation Date: 04/01/2024 through 04/30/2024

Court	Agency	Offense Code	Offense Description	Total
MKPD				
	Adult			
		346.14(1m)	Automobile Following Too Closely	2
		346.13(3)	Deviation From Designated Lane	1
		947.01(1)	Disorderly Conduct	1
		346.04(2)	Fail/Obey Traffic Officer-Work Area	1
		346.46(1)	Fail/Stop At Stop Sign	3
		346.18(3)	Fail/Yield Right/Way From Stop Sign	1
		346.18(2)	Fail/Yield While Making Left Turn	1
		346.57(2)	Failure To Keep Vehicle Under Control	2
		346.48(1)	Failure To Stop For School Bus	2
		346.24(1)	Fyr To Pedestrian, Bicyclist, Or Epamd	1
		947.013(1M)	Harrassment	1
		341.15(3)(c)	Improper Display/Plates (Illegible)	1
		346.31(3)(a)	Improper Left Turn/Approach	1
		341.15(2)	Improperly Attached License Plates	1
		346.89(1)	Inattentive Driving	6
		341.04(1)	Non-Registration Of Auto, Etc	16
		341.03(1)	Operate After Rev/Susp Of Registration	4
		344.62(1)	Operate Motor Vehicle W/O Insurance	11
		344.62(2)	Operate Motor Vehicle W/O Proof Of Insurance	1
		347.13(3)	Operate Vehicle W/O Registration Lamps	3
		347.14(1)	Operate Vehicle W/O Stopping Lights	4
		343.05(3)(a)	Operate W/O Valid License	3
		346.63(1)(am)	Operate With Control Substance	1
		343.44(1)(a)	Operating After Suspension	3
		346.05(1)	Operating Left Of Center Line	1
		346.63(1)(b)	Operating W/Pac	1
		346.63(1)(a)	Operating While Intox.	2
		82-71	Parking Lot Traffic Violation	1
		346.09(3)	Passing In No-Passing Zone	1
		961.41(3g)(b)	Possession of Controlled Substance	1
		54-103	Possession of Nicotine/Tobacco by a Minor	1
		346.57(4)(gm)2	Speeding on Freeway	2
		346.57(5)	Speeding Zone And Posted Limits	16
		118.163	Truancy	2
		347.06(3)	Unclean/Defective Lights Or Reflectors	6
		346.87	Unsafe Backing Of Vehicle	1
		346.13(1)	Unsafe Lane Deviation	1
		347.48(2m)(b)	Vehicle Operator Fail/Wear Seat Belt	1
		346.675(1)	Vehicle Owner'S Liability For Fsa	1
		347.48(4)(am)	Viol Of Child Safety Restraint	1
		346.37(1)(c)1	Violate Red Traffic Signal	1
Adult Grand Total				111

Citation Totals by Offense

All Departments

Violation Date: 04/01/2024 through 04/30/2024

Court	Agency	Offense Code	Offense Description	Total
MKPD				
	Juvenile			
		947.01(1)	Disorderly Conduct	2
		54-103	Possession of Nicotine/Tobacco by a Minor	1
		118.163	Truancy	3
		125.07(4)(b)	Underage Drinking-Possess	1
			Juvenile Grand Total	7

Mukwonago Police Department
Tickets Totals (by Violation)

Issue Date: 04/01/2024 through 04/30/2024

Violation Description	Violation Code	Area	Total
Handicapped Parking Violation	82-180		1
		MHS	1
		By Violation:	2
Mhs - Park W/O Permit	82-212		1
		MHS	1
		By Violation:	1
Park Left Wheel To Curb	82-1(A)		1
		By Violation:	1
		Total Tickets:	4



Monthly Case Overview Report

Printed On: 05/02/24 10:26

Reporting Period: 04/01/2024 - 04/30/2024

Village of Mukwonago Police - 1122

	Total
	63
Administrative/Informational	8
Agg Asslt-Family-Weapon	1
Animal Complaints-Bite	1
Assist Other Dept/Service/Request by Citizen	1
Bail Jumping	1
Child Neglect or Abuse	1
Disorderly Conduct	4
Disorderly Conduct: Harassment	2
Emergency Detention/M.O.	1
Evidence Room	1
Found Property	1
Fraud-Imperson	1
Health-Safety	1
Hit and Run	1
Industrial Accident	2
Marijuana-Possession	1
OWI/DWI-Liquor	3
Parking Complaint	4
PDO	1
Public Order Crimes	6
Robbery-Business-Weapon	1
School Bus Violations	1
Sexual Assault	1
Shoplifting/Retail Theft Compl	1
Theft - All	2
Theft From Auto >\$200	1
Traffic Offense/Traffic Other	9
Uncontrollable Juvenile	1
Underage Drinking Complaint	2
Vehicle in the Ditch	1
Warrant Service	1



Arrests by Statute Report

Printed On: 05/02/24 10:27

Reporting Period: 04/01/24 - 04/30/24

This report contains all arrest charges.

	Total	Felony	Misdemeanor	Non-Criminal	Ordinance
346.63(1)(a) - Operating While Intoxicated - 1st Offense	2			2	
346.63(1)(a) - Operating While Intoxicated - 4th Offense in 5 Years	1	1			
346.63(1)(b) - Operating With Prohibited Alcohol Concentration - 1st Offense, PAC>=.15	1			1	
54-1(B) - Underage Consumption of Alcohol (17-20 YOA)	1				1
54-1(G) - Disorderly Conduct	5		2		3
54-1(R) - Harrassment	1				1
54-1(V) - Possession of a Controlled Substance 961.41(3g)(e)	1				1
54-103 - Possession of Nicotine or Tobacco Product by a Minor	2				2
54-106 - Truancy/Habitual Truancy	5				5
940.19(2) - Substantial Battery-Intend Bodily Harm	1	1			
940.30 - False Imprisonment	1	1			
943.32(2) - Armed Robbery	1	1			
943.50(1m)(b) - Retail Theft - Intentionally Take - (<=\$500)(UCR >=\$200)	1		1		
943.50(1m)(b) - Retail Theft - Intentionally Take - (>\$500-\$5,000)	2	2			
943.50(1m)(b) - Retail Theft-Intentionally Take >\$500-\$5,000	1	1			
943.50(1m)(f) - Retail Theft-Rem Anti-Theft Device <=\$500	1	1			
946.49(1)(a) - Bail Jumping-Misdemeanor	1		1		
946.49(1)(b) - Bail Jumping-Felony	1	1			
947.0125(2)(c) - Computer Message-Threaten/Obscenity	1		1		
FUGM - Fugitive Warrant Other Municipal	2			2	
Total	32	9	5	5	13



Traffic Crash List

Printed On: 05/02/24 10:27

Village of Mukwonago Police							
Date Time	Case#	Crash#	Officer	Total Units	Total Injured	Total Killed	Crash Type
04/08/2024 15:02		24-000053	Steinbrenner, Jason J-jste35	2	0	0	C
04/04/2024 14:37	24-014879	24-000051	Zajichek, Taylor-tzaj36	2	0	0	C
04/01/2024 18:23	24-014456	24-000049	Cieszynski, Brian-bcie45	1	0	0	C
Village of Mukwonago Police				5	0	0	

24 TOTAL APRIL
PAX 661724

Police Contacts - Village

First Shift	1413
Second Shift	888
Third Shift	455
911 Calls	161
TOTAL CALLS	2917

Police Contacts - Town

First Shift	671
Second Shift	678
Third Shift	703
911 Calls	66
TOTAL CALLS	2118

Phantom Lake Patrol
All Calls/Contacts

<u>TOTAL CONTACTS</u>	5035
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FLEET MILES AND GAS USAGE

	<u>24</u>	<u>26</u>	<u>28</u>	<u>30</u>	<u>32</u>	<u>33</u>	<u>34</u>	<u>36</u>	<u>38</u>
	<u>22 Chev</u>	<u>21 Ford</u>	<u>20 Dodge</u>	<u>22 Chev</u>	<u>17 Ford</u>	<u>19 Chev</u>	<u>23 Chev</u>	<u>18 Ford</u>	<u>22 Chev</u>
Speed End	73830	10233	18884	71949	81728	15355	6437	NA	59465
Speed Beg	72618	10216	18542	69725	81549	15251	4997	NA	58162
Total Miles	1212	17	342	2224	179	104	1440	NA	1303
Total Gas	130.7	20.9	36.6	228.1	10.4	22.7	139.8	NA	134.5

Respectfully Submitted,

Chief Daniel J. Streit
Village of Mukwongo Police Department



SUMMER 2024

Events Calendar

MAY

23 MUKWONAGO
BANDS & CHOIR
5:30PM

Season Kick-Off!



LEARN MORE

JUNE

01 OCEAN RUSH
4:00PM
KOJO
6:30PM

27 DIRTY BOOGIE
5:30PM

JULY

03 MANNISH BOY
3:00PM
ROAD CREW
6:00PM

MUKWONAGO FIREWORKS
9:15PM
PROVIDED BY THE PHANTOM
LAKES MANAGEMENT DISTRICT

11 COMEDY SPORTS
6:00PM

25 TOUCH A TRUCK
4:00PM (KIDS EVENT)

AUGUST

02 CHERRY PIE
6:00PM

08 CARIBBEAN ECLIPSE
5:30PM

22 RADIATION
5:30PM

SEPTEMBER

07 SMART MOUTH
6:00PM

28 SAM GRADY
2:30PM

BLACK COW
A STEELY DAN REVIEW
4:00PM

THANK YOU TO OUR SPONSORS!



CITIZENS BANK



395