Village of Mukwonago

# Notice of Meeting and Agenda

## REGULAR VILLAGE BOARD MEETING
## Wednesday, May 21, 2025

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/Announcements**

5.1 Board of Review to be held June 11, 2025 at 3 p.m.

**6. 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.*

6.1 Approval of the April 16, 2025 Village Board Minutes and May 7, 2025 Special Village Board Minutes
April 16, 2025 DRAFT Village Board Minutes.docx
May 7, 2025 Special Board DRAFT Minutes.docx

6.2 Approve **Resolution 2025-07** a resolution acknowledging a palpable error in the 2024 assessment roll and requesting a charge-back of taxes for the real estate property known a MUKV2091-989-052, MUKV1976-133, and MUKV1976-134
RESOLUTION 2025-07 - Assessment Error- Multiple Properties.docx
MUKV Palpable Error Corrections from 2024.pdf

6.3 Approve an agreement with Civic Review Inc for Building and Zoning Department software in an amount not to exceed $13,100.00

Cover Report Building Permit Software
CivicReviewProposal_MukwonagoWI_042525.pdf
Civic Review Subscription Agreement_MukwonagoWI_042825.pdf

6.4 Approve Payable Vouchers in the amount of $1,002,781.63
2025-05-07 AP COW PACKET.pdf

6.5 Approve a Special Event Permit filed by Life Point Church for the event of Church & Picnic in the Park, to take place on August 31, 2025 from 8:00 am to 3:00 pm, located in Field Park
Lifepoint Church Picnic Special Event 8.31.25.pdf

6.6 Approve a Special Event permit for St. James Catholic Church for the event of St. James Festival, to take place on August 22, 2025 to August 24, 2025, located at 830 E Veterans Way
St James Festival Special Event 2025.pdf

6.7 Approve the fee waiver for Phantom Glen Park for the July 3 fireworks show (July 5 rain date)
Phantom Glen Park Reservation.pdf

6.8 Approve a Temporary Class "B"/"Class B" Retailer's license filed by St. James Catholic Church for the event of St. James Parish Festival to take place on August 22, 2025 through August 25, 2025, located at 830 E Veterans Way
ST James Class B 2025.pdf

6.9 Approve a Temporary Class "B"/"Class B" Retailer's license filed by Mukwonago Food Pantry for the event of Phantom Junction Stage Concert Series to take place on June 5, 2025, July 17, 2025, and July 31, 2025
Temp Liquor Lic Food Pantry Redacted.pdf

6.10 Approve an Agent Change Request filed by Aldi INC, to Matthew Fait
Aldi Agent Change.pdf

6.11 Approve **Resolution 2025-08** a resolution authorizing and directing the proper Village Official(s) to issues the liquor license renewals for the period of July 1, 2025 to June 30, 2026

RESOLUTION 2025-08 Alcohol License Renewals- Multiple.docx
Alcohol Licenses 2025-2026.pdf

6.12 Approve a bid with Wanasek Corp to replace seven (7) fire hydrants, Village wide, in an amount not to exceed $26,775.00
AIRF_2025 Hydrant Replacements.pdf
Mukwonago Hydrant Repalcements 2025_Wanasek Proposal.pdf

## 7. Planning Commission Recommendations

*Discussion and possible action on the following Plan Commission Recommendations*

7.1 For information only, no action required:

1. **PC Resolution 2025-09** for a Site Plan and Architectural Review (SPAR) for the Historical Society Log Cabin Trading Post located at 103 Main Street, Parcel MUKV1976100
2. **PC Resolution 2025-10** for a Site Plan and Architectural Review (SPAR) for the Park View Middle School, located at 930 N Rochester St, Parcel MUKV1964992, applicant (Mukwonago Area School District)
3. **PC Resolution 2025-11** for a Site Plan and Architectural Review (SPAR) for a revised site plan approval for Tsunami Car Wash, Parcel MUKV 2013-995-001

PC Resolution 2025-09 & Backup Materials.pdf

PC RESOLUTION 2025-10 - Park View Middle School Expansion SPAR.pdf

PC Resolution 2025-11 & Backup Materials.pdf

7.2 Discussion/Action regarding **Resolution 2025-09** for a Conditional Use Permit for an expansion and modifications to Park View Middle School, located at 930 N Rochester St, Parcel MUKV1964992, applicant (Mukwonago Area School District)

Resolution 2025-09 & Backup Materials.pdf

## 8. Finance Committee, Trustee Darlene Johnson

*Discussion and possible action on the following items*

8.1 Motion to approve Vouchers in the amount of $483,417.87

VB AP 5-21-2025.pdf

## 9. Public Works Committee, Trustee Eric Brill

*Discussion and possible action on the following items*

9.1 Discussion/Action regarding an Access Agreement between Douglas & Liane Quakkelaar and the Village of Mukwonago, for property location at 441 Blood St, Parcel # MUKV1975949

24T7447-village of mukwonago driveway license agreement - draft.DOCX

Quakkelaar Survey.pdf

9.2 Discussion/Action regarding an Early Grading Agreement with Bielinski Homes Inc, for work to be completed in the Chapman Farms Phase 3 Development

Chapman Farms Phase 3 - Early Grading Agreement (OC CL 5.14.25).docx

9.3 Discussion/Update regarding the Parkview Middle School Expansion Traffic Study Wis 83 & CTH NN SE Quadrant, Mukwonago Log #340334 from the Wisconsin Department of Transportation (DOT)

340334 - Parkview Middle School Mukwonago (250415).pdf

## 10. Protective Services, Trustee Scott Reeves

10.1 2024 Mukwonago Police Department Annual Report *(Information only; No action required)*

2024 Annual Report MKPD reduced size.pdf

10.2 Police Department April 2025 Monthly Report *(Information only; No action required)*
Monthly Report April 2025.pdf

## 11. Village President

11.1 Discussion/Final acceptance of the Strategic Plan and update regarding plan implementation process
Mukwonago-WI-2024-27-R4.pdf
Strategic_Plan_Cover_Memo-_May_2025.docx

11.2 Discussion/Action regarding **Resolution 2025-10** a resolution designating Public Depositories and authorizing withdrawal of the Village of Mukwonago funds
RESOLUTION 2025-10 (Designating Depositories).docx

11.3 Discussion/Action regarding **Resolution 2025-11** a resolution designating the official posting, publication, and posting in lieu of publication directives for the Village of Mukwonago
RESOLUTION 2025-11 (Posting Publication and Newspaper designation).docx

11.4 Confirming the appointment of Board of Review members D. Johnson, Porter, Brill, Clerk/Treasurer Kropf, and President Winchowky, with term to expire 2026

11.5 Confirming the following Library Board appointment and re-appointments:

| Term Expire | Name |
|---|---|
| 2026 | Luke Spielman |
| 2026 | Eliza Pautz |
| 2027 | Andrea Cooper |
| 2027 | Eric Brill |
| 2028 | Sue Perkins |
| 2028 | Jill Werner |
| 2028 | Karen Sperstad |

## 12. Closed Session
Closed session pursuant to Wis. Stats.§ 19.85(1)(e) (Deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session) regarding Pleasant Lane

## 13. 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

## 14. 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.

Village of Mukwonago

**MINUTES OF THE VILLAGE BOARD OF TRUSTEES MEETING**

**Wednesday, April 16, 2025**

Time: **6:30 pm**

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

**Call to Order**
President Winchowky called the meeting to order at 6:30 p.m.

**Roll Call**
Present: Brill, D. Johnson, K. Johnson, Meiners, Porter, Reeves, and President Winchowky
Absent: None

**Pledge of Allegiance**

**Swear In Newly Elected Village Officials; Village President Winchowky, Village Trustee Ken Johnson and Scott Reeves**
Clerk-Treasurer Kropf sworn in the newly elected officials, Trustee Reeves, Trustee Johnson, and President Winchowky.

**Comments from the Public**
LeeAnne Sherrod; S70W25055 Pine Ct; Thanked the Board for more time regarding the Highway 83 access for the Animal Clinic.

**Presentations and Proclamations**

Presentation of Guidance for an Emergency Operations Center by Chief Stien
Chief Stien outlined the Guidance for Emergency Operations, as provided in the packet materials. No action taken.

2025 Clerk & Treasurer Week Proclamation
President Winchowky proclaimed the week of April 20-26, 2025 as Treasurer's Week and the week of May 4-10, 2025 as Municipal Clerk's Week. No action taken.

2025 Arbor Day Proclamation
President Winchowky proclaimed April 25, 2025 as Arbor Day. DPW Director Bittner stated that a celebration of Arbor Day will occur on April 25, 2025 at Clarendon Elementary School. No action taken.

2025 Water and Wastewater Professionals Workforce Week Proclamation
President Winchowky proclaimed the week of May 4-10, 2025 as Water and Wastewater Professional Workforce Week. No action taken.

**Consent Agenda**

**-**Approve March 19, 2025 Village Board Minutes and April 2, 2025 Special Village Board Minutes

-Approve the purchase requisition for two (2) International 507 TA patrol truck cab and chassis

-Approve the Village Board to approve Vouchers in the amount of $1,407,294.80

DRAFT

-Approve a Special Event Permit Application filed by Chris Hill for the event of 70's & 80's Class Reunion, to take place on August 30, 2025 from 1:00 p.m. to 9:00 p.m., located in Field Park

-Approve a Special Event Permit Application filed by Clarendon Avenue Elementary School for the event of Clarendon Art Show to take place on May 22, 2025; to include closure of Clarendon Ave, from E Veterans Way to Lincoln Ave

-Approve a Special Event Permit Application filed by Mukwonago American Legion Post #375 for the Memorial Day Parade to be held on May 26, 2025 from 9:00 am to Noon, located on N Rochester St

-Approve a Special Event Permit filed by the American Legion Post #375 for Maxwell Street Days to take place on June 7 & 8, July 19 & 20, August 16 & 17, and September 13 & 14, from 6:00 am to 5:00 pm each day, located at Field Park

-Approve **Ordinance 1035** an Ordinance to Allow Electronic “Reader Board” Signs to Refresh at a Rate of Once Every Fifteen Seconds

-Approve an application for a Temporary Class "B"/"Class B" Retailer's License filed by the American Legion Post #375 for Maxwell Street Days to take place on June 7 & 8, July 19 & 20, August 16 & 17, and September 13 & 14, from 6:00 am to 5:00 pm each day, located at Field Park

-Approve an application for a Temporary Class "B"/"Class B" Retailer's License filed by the Rotary Club of Mukwonago for the Phantom Stage Concerts to take place July 3, 2025, August 9, 2025, and September 20, 2025 , located at Phantom Junction Stage

-Approve a bid award to Parking Lot Maintenance, LLC for the Field Park Pickleball Court construction, in an amount not to exceed $132,894.48

-Approve a Task Order #2025-04 to provide engineering and construction related to services for the design, bidding, and construction of extension of East Wolf Run

-Approve a Task Order #2025-05 to provide engineering and construction related to services for the design, bidding, and construction of extension of Marsh View Drive

-Approve the Mukwonago Shared Connectivity Network MOU (fiber network sharing)

-Approve to provide a credit for the sewer usage due to leaking yard hydrant for 419 Lake St

-Approve an Original Class "B" Beer License Application filed by Najera Brothers Company LLC d/b/a Genoas Pizza, agent Bulfrano Najera, located at 225 Bayview Rd, Ste #500, Mukwonago

-Approve appointment of the Village Administrator, Legal Counsel, Fire Chief, and Personnel Chair Ken Johnson, to conduct Fire Union Negotiations

Motion by D. Johnson to approve the consent agenda, second by Meiners. Motion carried 7-0.

**Other Items for Approval**

Discussion/Action regarding a letter of support request, to the WI DOT pertaining to access on Highway 83 and County Road NN *(Tabled at the April 2, 2025 Special Village Board Meeting)*

Agenda item was postponed. No action taken.

DRAFT

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

Update regarding Mukwonago Fire Department 2024 Annual Report

Chief Stien discussed the Fire Department's Annual Report as presented in the packet. No action taken.

Discussion/Action regarding a request to utilize ACT102 Funds to send two (2) FT staff to Paramedic Class not to exceed $20,000.00

Motion by Reeves to approve, second by Meiners. Reeves stated that this was approved by Joint Village and Town Protective Services Committee, on April 14, 2025. Chief Stien explained this has not been done in the past, but it will be paid for by the ACT102 funds. This could be used for recruitment in the future. Motion carried 7-0.

**Planning Commission Recommendations**

For information only, no action required:

**-PC Resolution 2025-07** for a Site Plan and Architectural Review for the Mukwonago Police Station Garage Expansion, Parcel MUKV 1976-936 and MUKV 976-933, applicant (Village of Mukwonago)

**-PC Resolution 2025-08** a Site Plan and Architectural Review for Journey Salon, Located at the West/Southwest Corner of CTH ES and Phantom Woods Road. Parcel MUKV 2011-991, applicant (Ford Construction)

Discussion/Action regarding **Resolution 2025-05** a resolution granting a Conditional Use and Prescribing Conditions for a Public Safety Facility (Village of Mukwonago Police Department) on Parcel MUKV1976936, Mukwonago, WI

Motion by Winchowky to approve, second by Meiners. No discussion. Motion carried 6-0.

Discussion/Action regarding **Resolution 2025-06** a resolution approving a Certified Survey Map for the property located at S103W30209 Lakeside Drive in the Town of Mukwonago, Waukesha County

Motion by Winchowky to approve, second by Brill. No discussion. Motion carried 6-0.

**Finance Committee, Trustee Darlene Johnson**

Discussion/Action regarding a contract with CivicPlus for Village Website upgrade along with Agenda Management Software in an amount not to exceed $11,162.00

Motion by D. Johnson to approve, second by K. Johnson. Clerk/Treasurer Kropf explained that the current website is at its end of life for support and a new website will provide more accessibility. She explained that this would be an ideal time to change the agenda management software as well. Motion carried 7-0.

Motion to approve Vouchers in the amount of $132,992.63

Motion by D. Johnson to approve, second by Meiners. No discussion. Motion carried 7-0.

**Protective Services, Trustee Scott Reeves**

March 2025 Monthly Incident Report

Trustee Reeves offered the monthly incident report as presented in the packet. No action taken.

**Village President**

DRAFT

Confirmation of Village President appointment of Jill Werner and Andrea Cooper, to the Mukwonago Library Board, with a term to expire 2028
Motion by Winchowky to approve, second by Meiners. No discussion. Motion carried 7-0.

Confirmation of Village President appointment of Karl Kettner to the Plan Commission and the Police Commission, with terms to expire 2028
Motion by Winchowky to approve, second by K. Johnson. No discussion. Motion carried 7-0.

**Adjournment**
Meeting adjourned at 7:11 p.m.

DRAFT

Village of Mukwonago

**MINUTES OF THE SPECIAL VILLAGE BOARD MEETING**
**Wednesday, May 7, 2025**

Time: **6:30 pm**
Place: **Mukwonago Municipal Building, 440 River Crest Ct., Mukwonago, WI 53149**

**Call To Order**
President Winchowky called the meeting to order at 6:38 p.m.

**Roll Call**
Present: Brill, D. Johnson, K. Johnson, Meiners, Porter, and President Winchowky
Absent: Reeves (excused)

**Public Comment**

Mike Slousson; 302 Lake St; Spoke about concerns for the traffic pertaining to the Kiwanis Development.

Chris Slousson; 302 Lake St; Spoke about concerns for the stormwater runoff pertaining to the Kiwanis Development.

**New Business**

Discussion/Action regarding a letter of support request, to the WI DOT pertaining to access on Highway 83 and County Road NN
Motion by Meiners to approve, second by Brill. No discussion. Motion carried 6-0.

Discussion/Action regarding the approval of a bid award with Campbell Construction for the garage addition for the Police Department in an amount not to exceed $1,309,730.00
Motion by Meiners to approved, second by K. Johnson. No discussion. Motion carried 6-0.

Discussion/Action regarding Pay Request #7 filed by Musson Brothers Inc for work completed on the DeBack Dive (Donna Drive), Infrastructure project, in an amount not to exceed $347,554.34, as approved by the engineers
Motion by Meiners to approve, second by Brill. Discussion was held concerning the pay request and the process for making a payment. Motion carried 6-0.

**Adjournment**
6:55 p.m

DRAFT

# RESOLUTION 2025-07

## A RESOLUTION ACKNOWLEDGING A PALPABLE ERROR IN THE 2024 ASSESSMENT ROLL AND REQUESTING A CHARGE-BACK OF TAXES FOR THE REAL ESTATE PROPERTY KNOWN AS MUKV2091-989-052, MUKV1976-133, AND MUKV1976-134

**WHEREAS**, the 2024 Real Estate Property Tax Bill for that property known as Tax Key No. MUKV2091-989-052 a total assessed value of $354,600, and;

**WHEREAS**, the 2024 Real Estate Property Tax Bill for that property known as Tax Key No. MUKV1976-133 a total assessed value of $229,200, and;

**WHEREAS**, the 2024 Real Estate Property Tax Bill for that property known as Tax Key No. MUKV1976-134 a total assessed value of $164,000, and;

**WHEREAS**, the Village Assessor made a palpable error in setting the assessed value of this property, and;

**WHEREAS**, the Village Assessor has indicated the total assessed value of the property for MUKV2091-989-052 for 2024 should have been $274,000, and;

**WHEREAS**, the Village Assessor has indicated the total assessed value of the property for MUKV1976-133 for 2024 should have been $201,700, and;

**WHEREAS**, the Village Assessor has indicated the total assessed value of the property for MUKV1976-134 for 2024 should have been $153,500, and;

**WHEREAS**, the MUKV2091-989-052 was estimated to be taxed excessively by $963.35, on the 2024 tax roll, and

**WHEREAS**, the MUKV1976-133 was estimated to be taxed excessively by $328.69, on the 2024 tax roll, and

**WHEREAS**, the MUKV1976-134 was estimated to be taxed excessively by $125.50, on the 2024 tax roll, and

**NOW THEREFORE**, the Village Board acknowledges that a palpable error in the assessment roll, as described under Wisconsin Statutes Section 74.33(1) and 74.41, occurred:

**BE IT FURTHER RESOLVED** that the Village Clerk-Treasurer shall pay or credit the appropriate amount of toward the 2024 tax bill for the property known as MUKV2091-989-052, MUKV1976-133, & MUKV1976-134 and submit a "Request for Charge Back of Rescinded or Refunded Taxes" to the Department of Revenue prior to October 1, 2025.

Dated and approved this 21st day of May, 2025.

_____
Fred Winchowky, Village President

Attest: _____
Lana Kropf, WCMC, Village Clerk-Treasurer

I hereby certify that this is a true and correct copy of the Resolution adopted by the Village Board on the 21st day of May, 2025.

_____
Lana Kropf, WCMC, Village Clerk-Treasurer

2025
(Year)

# CORRECTIONS OF ERRORS BY ASSESSORS (SEC. 70.43, WIS. STATS.)

*Note: Assessor should complete columns (a) through (e) and forward to the clerk as part of the assessment roll. Send to clerk electronically as well, if possible. The clerk will complete columns (f), (g), and totals.*

| | (a) Parcel / Account Number<br>Property Location & School Code<br>Owner's Name,<br>Street Address,<br>City, State, Zip (1) | (b)<br>Previous Year's Assessed Value | (c)<br>Corrected Value | (d)<br>**Real Property**<br>Amount of Adjustment<br>(c-b) | (e)<br>**Personal Property**<br>Amount of Adjustment<br>(c-b) | (f)<br>Previous Year's Net Mill Rate (2) | (g)<br>T – Tax net school credit<br>L – Lottery credit<br>F – First Dollar credit<br>N – Net Tax (3) |
|---|---|---|---|---|---|---|---|
| 1 | MUKV1976-133<br>301 S Rochester St 3822<br>Perfection Painting Drywall LLC<br>S86W27675 Hartwig Ave<br>Mukwonago WI 53149-8505 | 229,200 | 201,700 | -27,500 | | 0.011952200 | T – -328.69<br>L –<br>F –<br>N – -328.69 |
| 2 | MUKV1976-134<br>305 S Rochester St 3822<br>Perfection Painting Drywall LLC<br>S86W27675 Hartwig Ave<br>Mukwonago WI 53149-8505 | 164,000 | 153,500 | -10,500 | | 0.011952200 | T – -125.50<br>L –<br>F –<br>N – -125.50 |
| 3 | MUKV2091-989-052<br>1625 Grey Fox Trl Unit G 3822<br>Kenneth & Donna Catron<br>1625 Grey Fox Trl Unit G<br>Mukwonago WI 53149-8505 | 354,600 | 274,000 | -80,600 | | 0.011952200 | T – -963.35<br>L –<br>F –<br>N – -963.35 |
| 4 | | | | | | | T – 0.00<br>L –<br>F –<br>N – 0.00 |
| 5 | | | | | | | T – 0.00<br>L –<br>F –<br>N – 0.00 |
| 6 | | | | | | | T – 0.00<br>L –<br>F –<br>N – 0.00 |

PA-5/661 (R. 12-21)

2025
(Year)

# CORRECTIONS OF ERRORS BY ASSESSORS (Continued)

| | (a) Parcel / Account Number Property Location & School Code Owner's Name, Street Address, City, State, Zip (1) | (b) Previous Year's Assessed Value | (c) Corrected Value | (d) **Real Property** Amount of Adjustment (c-b) | (e) **Personal Property** Amount of Adjustment (c-b) | (f) Previous Year's Net Mill Rate (2) | (g) T – Tax net school credit L – Lottery credit F – First Dollar credit N – Net Tax (3) |
|---|---|---|---|---|---|---|---|
| 7 | | | | | | | T – 0.00<br>L –<br>F –<br>N – 0.00 |
| 8 | | | | | | | T – 0.00<br>L –<br>F –<br>N – 0.00 |
| 9 | | | | | | | T – 0.00<br>L –<br>F –<br>N – 0.00 |
| 10 | | | | | | | T – 0.00<br>L –<br>F –<br>N – 0.00 |
| | | | Grand Totals . . ➔ | -118,600 | 0 | | -1,417.53 |

(1) Enter Property and Owner Information in order listed.

(2) Net Mill Rate – see Publication PA-502, Assessment and Tax Roll Instructions for Clerks at www.revenue.wi.gov/html/pubs.html.

(3) T – Enter total tax less school levy tax credit.
L – If Principal Residence, enter amount of Lottery & Gaming Credit adjustment, if any.
F – If Real Estate includes an improvement, enter amount of First Dollar Credit adjustment, if any.
N – Enter net amount (T minus L and F)

↑ Real Property Total enter on line 23c1 of the Statement of Assessment

↑ Personal Property Total enter on line 23c2 of the Statement of Assessment

↑ Total of code "N" entries. Enter on Line I of the Statement of Taxes.

# VILLAGE OF MUKWONAGO

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


## MEMORANDUM

**DATE:** **April 30 2025**

**TO:** **Village Board of Trustees**

**FROM:** **Diana Dykstra, Village Administrator**

**RE:** **Recommendation on Building Inspection Software Conversion**

### Background:

The Village currently utilizes BSA software for Building, Zoning, and Permitting functions. The platform has become increasingly difficult to use for both staff and the public. Its interface is not intuitive, navigation is cumbersome, and we receive daily complaints from users attempting to apply for permits, schedule inspections, or access information. A great deal of time is spent with the Clerk having to create special contractor accounts for residents.

BSA is mostly known for their financial suite of products. This module was included at the time the financial software conversion took place. BSA is unable to provide guidance or substantial changes without a full investment into their new cloud version (which was estimated over $90,000 with the financial suite). This ongoing frustration results in an increased burden on staff and a negative experience for residents and contractors.

### Proposed Solution:

Over the past six months, Building Inspection Staff have conducted a thorough evaluation process, which included interviewing municipal clients, attending demonstrations, and carefully reviewing multiple community development software platforms. Through this process, CivicReview emerged as the clear choice.

CivicReview offers the most simplistic and intuitive design, provides an outstanding customer experience, allows users and staff to access the system from any location, enables robust custom reporting capabilities, and was a top contender for customer experience. As a web based platform, all inspections, permits, or notes are instantaneous. There is no additional field computer or required upload to synch inspector activity.

After this detailed review, staff recommends transitioning to **CivicReview** — a web-based, modern community development platform that not only meets our current operational needs but also supports expanded functions such as code enforcement, park reservations, and future

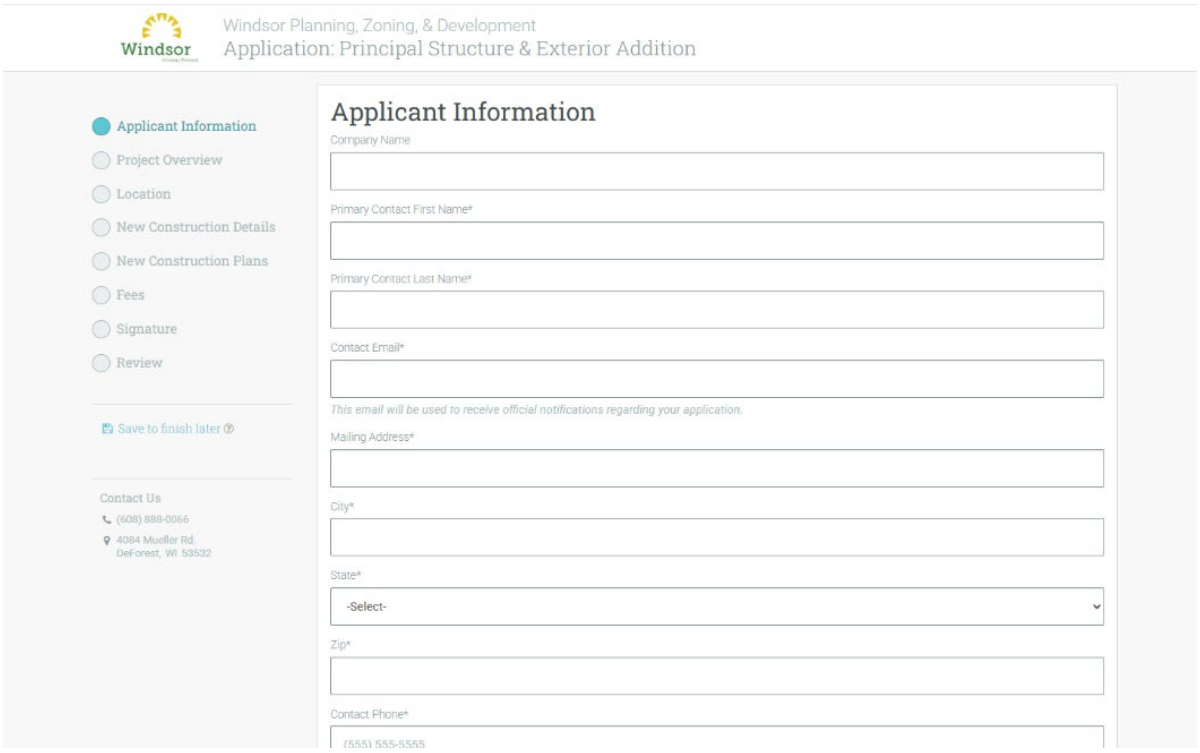
licensing needs without added costs. CivicReview will significantly enhance efficiency, improve service delivery, and create a better experience for both staff and the public.

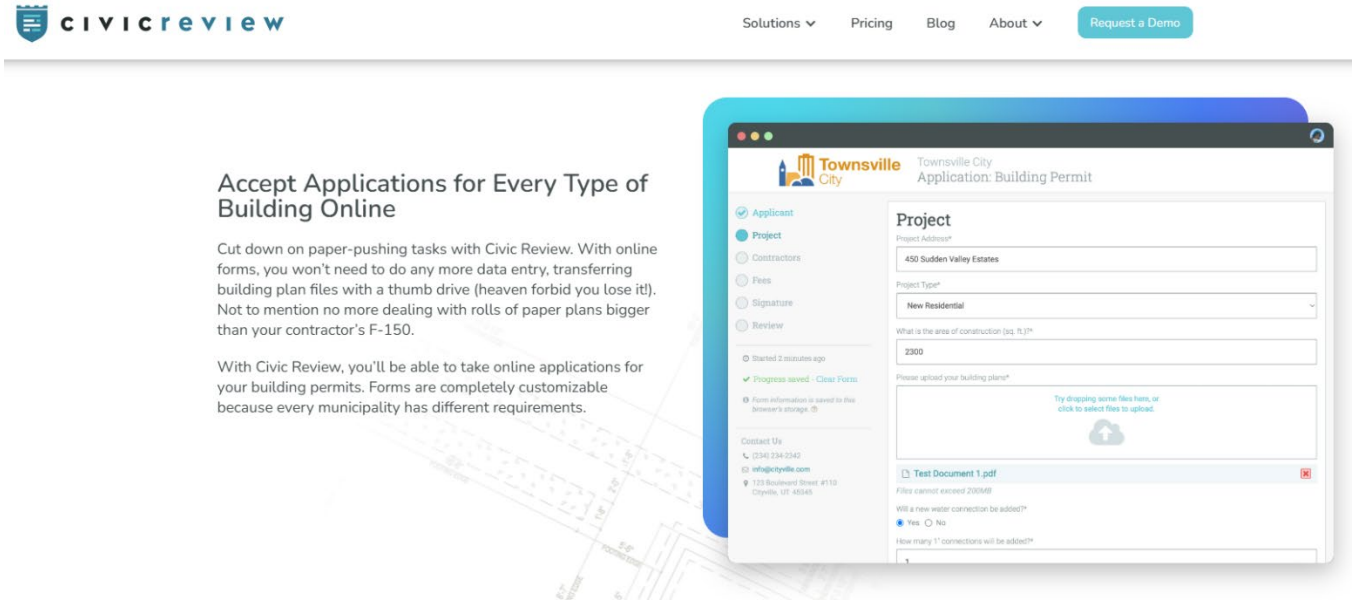
## Recommendation:

Staff recommends the Village Board support the purchase and implementation of CivicReview software in the amount of $9,600 subscription cost with $3,500 for conversion and set up. This platform will modernize our community development services, enhance the customer experience, and provide a scalable solution to meet our future needs.

If the Board is supportive, staff will coordinate next steps with CivicReview to initiate the implementation process, including training, data migration, and a public communication rollout.

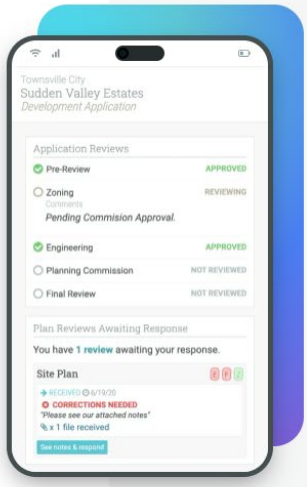
EXHIBITS


Windsor
Windsor Planning, Zoning, & Development
Application: Principal Structure & Exterior Addition
Applicant Information
Project Overview
Location
New Construction Details
New Construction Plans
Fees
Signature
Review
Save to finish later
Contact Us
(608) 888-0066
4084 Mueller Rd
DeForest, WI 53532
Applicant Information
Company Name
Primary Contact First Name*
Primary Contact Last Name*
Contact Email*
This email will be used to receive official notifications regarding your application.
Mailing Address*
City*
State*
-Select-
Zip*
Contact Phone*
(555) 555-5555


civicreview
Solutions
Pricing
Blog
About
Request a Demo
Accept Applications for Every Type of Building Online
Cut down on paper-pushing tasks with Civic Review. With online forms, you won't need to do any more data entry, transferring building plan files with a thumb drive (heaven forbid you lose it!). Not to mention no more dealing with rolls of paper plans bigger than your contractor's F-150.
With Civic Review, you'll be able to take online applications for your building permits. Forms are completely customizable because every municipality has different requirements.
Townsville City
Townsville City
Application: Building Permit
Applicant
Project
Contractors
Fees
Signature
Review
Project
Project Address*
450 Sudden Valley Estates
Project Type*
New Residential
What is the area of construction (sq. ft.)?*
2300
Please upload your building plans*
Test Document 1.pdf

civicreview

Solutions Pricing Blog A




## Stay in the Zone with no Distractions

### Thanks to the Applicant Portal

Once an applicant has submitted their permit application, they gain access to a dedicated online portal. This nifty feature allows them to track the progress of their review, engage in dialogue with your team, and handle fee payments. You shouldn't ever be interrupted again with one of those "just asking for an update" phone calls.

### Prove to Impatient Developers that You're Actually Moving Fast

...or better yet: Prove to them that they're the ones holding up the process. Through their portal they can see each phase of the plan review process. More on plan reviews farther down this page...

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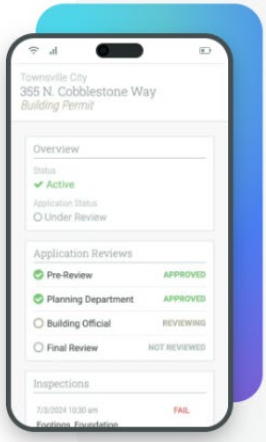
Solutions Pricing Blog About




## Fewer Phone Calls Thanks to the Applicant Portal

After applying for a building permit, applicants can login to their portal to follow the review process, communicate with your staff, and pay fees. That means they won't be calling your office saying, "I just wanted to know where my permit is in the process".

When it's time to ask for revised plans, you can request them through the portal. After-all, builders just wanna build, and you don't want to make it more difficult for them. The portal gives you a place to stay organized for each project so you can get that C of O issued faster.

# Software Proposal

**PREPARED ON**
April 28, 2025

**PREPARED FOR**
Village of Mukwonago
Community and Economic Development Department

**PREPARED BY**
Kent Hartsfield
Civic Review
kent@civicreview.com
630.925.8288

Dear Village of Mukwonago,

Per our discussions, I am pleased to provide your team at Mukwonago with the attached software proposal for your consideration.

Our mission at Civic Review is to create easy-to-use, modern software to help local government. We're firm believers in democratizing technology for local governments of all sizes, enabling them to operate with greater efficiency and effectiveness. Civic Review does this by delivering a solution that is intuitive, collaborative, and affordable, aiming to empower improved processes for Permitting, Licensing, Code Enforcement, and Park Rental applications.

Since Civic Review is infinitely flexible and configurable, we don't force you and your staff to bend your processes to fit into Civic Review. We just want to help you do it in a modern, data-driven way — a way that makes your job easier, lightens your load, showcases all the good work that you do, and ultimately helps you better serve your community.

In the pages that follow, we'll explain how and why Civic Review solutions not only offer the best value for Mukwonago, but also make your day-to-day operations more efficient, productive, and impactful.

Civic Review already works with hundreds of local governments across the country, and we'd be delighted to welcome Mukwonago into the fold. We fully appreciate the demands on your time, so I'd like to thank you in advance for the time that you and your team will spend reviewing this proposal. If you have any questions or need additional information of any kind, please do not hesitate to ask.

I am confident that you and your team will be impressed by the Civic Review solutions and even more impressed by how hard we will work to make you happy.

Sincerely yours,

Kent Hartsfield
630.925.8288
kent@civicreview.com

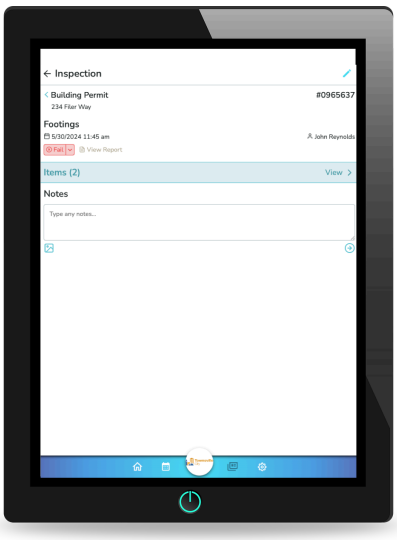
# Solutions Overview

We understand your dedication to improving your government's operations, and you recognize the potential of technology to facilitate this progress. However, much of the software currently available is tailored for huge cities or counties, rather than smaller communities like Mukwonago. These platforms tend to be overly complex, costly, and packed with bells and whistles you'll never use.

Civic Review is purposefully crafted for local governments, addressing all your essential requirements without unnecessary complexity. Civic Review is the just right software for organizations of all sizes

Based on our conversations with Mukwonago and our understanding of your key needs and objectives, we are proposing the following:

## Permits & Inspections

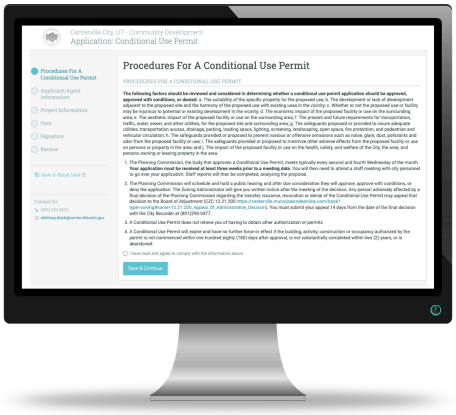



Civic Review Permitting minimizes phone calls and in-person visits to your permitting counter, all while accelerating the review, approval, and issuance of permits. This provides a fully electronic process for submittals, interdepartmental reviews, fee receipts, online printable building permit certificates, as well as automatic calculation of valuations and building permit fees.

Further streamline your backlog by managing inspection scheduling and completion online, enhancing staff efficiency. Inspection types can be set up so when inspections are scheduled, they're assigned the inspector and the inspection type. Our secret sauce is the inspection item tracking, so if an inspection fails, the list of corrections that are needed are automatically carried over to the next inspection, so nothing falls through the cracks. But wait, our app also works in offline mode! So if an inspector loses their signal on their phone/tablet, they can continue to save their work and even send reports from the field. It will all sync up and send out when they get back within range.

# Planning & Zoning

From conditional use permits to new subdivision and variance requests, Civic Review Planning & Zoning software streamlines your application processes and provides Mukwonago staff with the critical tools they need.




Every submission seamlessly progresses from intake to reviews, with steps automatically assigned to the subsequent employee across teams and departments (and even external organizations), allowing you to concentrate on your day-to-day.

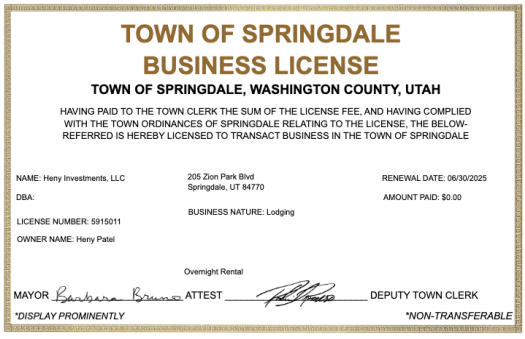
Record and access all communications, plans, conditions, fees, and contacts in one place. When it comes to looking for historical data - don't worry: it's all there wrapped up for easy finding.

Customers receive email notifications of any activity on their application and can check on the status, pay outstanding fees, access automatically created documents, communicate with your staff, and more from the citizen portal.

# Licensing

Licensing with Civic Review offers a customizable application form, online payments, interdepartmental reviews based on rules such as license types, online renewals with automatic renewal notifications, and customizable license forms/letters. Organizations manage a variety of license types with Civic Review, including:

- Operator License
- Short Term Rental License
- Liquor License
- Solicitor License
- Pet License
- Business Change of Occupancy
- And more



TOWN OF SPRINGDALE
BUSINESS LICENSE
TOWN OF SPRINGDALE, WASHINGTON COUNTY, UTAH

HAVING PAID TO THE TOWN CLERK THE SUM OF THE LICENSE FEE, AND HAVING COMPLIED WITH THE TOWN ORDINANCES OF SPRINGDALE RELATING TO THE LICENSE, THE BELOW-REFERRED IS HEREBY LICENSED TO TRANSACT BUSINESS IN THE TOWN OF SPRINGDALE

NAME: Heny Investments, LLC
DBA:
LICENSE NUMBER: 5915011
OWNER NAME: Heny Patel

205 Zion Park Blvd
Springdale, UT 84770

BUSINESS NATURE: Lodging

RENEWAL DATE: 06/30/2025
AMOUNT PAID: $0.00

Overnight Rental

MAYOR Barbara Bruno ATTEST _____ DEPUTY TOWN CLERK

*DISPLAY PROMINENTLY *NON-TRANSFERABLE

# Park Rental

Civic Review simplifies the process of managing Park and Community Room Rentals. Citizens can easily view available facilities, request dates and times, and submit rental requests online. The system automates reservation confirmations, fee payments, and scheduling, reducing administrative workload and providing a seamless experience for both staff and the public.

## Investment

Civic Review is built to be affordable for local governments of all shapes and sizes. A summary of your investment in Civic Review includes:

| Setup Service Fees (One-time investment) | |
|---|---|
| Setup Fee: Includes - *Full system configuration, data migration, and training.* | $3,500 |
| Total Setup Service Fees | $3,500 |

| Annual Subscription Service Fees (Annual investment) | |
|---|---|
| Civic Review Permits/Inspections, Planning & Zoning, Licensing, and Park Rental - (up to 1,500 annual submissions) | $9,600 |
| Total Annual Subscription Service Fees | $9,600 |

## Implementation & Support

The Civic Review onboarding process is designed to deliver a turnkey solution for Mukwonago. Civic Review's approach extends beyond simply implementing software, we focus on your goals and objectives, to ensure you receive a true return on investment by achieving success with Civic Review.

Phase 1 - Build
- This is where we create your forms

Phase 2 - Review
- In this phase you will review the forms to make sure they fit your needs

Phase 3 - Train
- We will provide you with a Training Course to learn how to use Civic Review

Phase 4 - Migrate Data and Setup Payment
- This is where we will add your old data to Civic Review and make sure applicants can pay online

Phase 5 - Go Time
- Start using Civic Review!

## Ongoing Support & Training

Civic Review solutions are designed to be intuitive and easy-to-use. With that said, Civic Review's multi-channel support ensures that you and your team can successfully launch, adopt, and optimize the value you receive from the Civic Review platform.

The most common way for our customers to interact with us is via our in-app chat feature! You can shoot us a message anytime and get quick answers from our fantastic team. We're here to make your permitting and licensing journey a breeze.

For those who like to figure things out on their own: We also have a great collection of help articles and self-serve training material at help.civicreview.com.

Civic Review support is available with the following methods/hours:
- Email support: 24/7
- Phone support: Monday - Friday, 9am - 5pm (and emergency responses provided 24/7 - just leave a message and we'll call you right back)
- Online chat support: Monday - Friday, 9am - 5pm

**What I love most about Civic Review is that the support is awesome!! The program is streamlined and efficient -- the support is even better!!! - Jan Selck, Permitting Administrator at Grain Valley, MO**

civicreview

# SUBSCRIPTION AGREEMENT

This SUBSCRIPTION AGREEMENT (the "**Agreement**") is made and entered into this _____ (the "**Effective Date**") by and between Civic Review, Inc. ("**Civic Review**") with primary offices at 15 South Main Street, Logan, UT 84321, and Village of Mukwonago ("**Subscriber**") with offices at 440 River Crest Ct, Mukwonago, WI 53149. Civic Review and Subscriber may hereinafter be referred to collectively as the "**Parties**" or individually as a "**Party**."

## RECITALS

**WHEREAS**, Civic Review owns and operates http://app.civicreview.com (the **"Product"**), and Subscriber desires to utilize the Product to process permit and license applications and renewals.

## AGREEMENT

**NOW THEREFORE**, in consideration of the promises and conditions set forth in this Agreement, Civic Review and Subscriber hereby agree as follows:

1. **PRODUCT.** Civic Review hereby grants Subscriber a non-exclusive, non-transferable, one-year license to use the Product in the regular course of its business between June 1, 2025 and May 31, 2026 and any subsequent Renewal Terms (the **"Term"**). Civic Review maintains all rights of ownership to the Product.

2. **PRICE.** Subscriber shall immediately pay Civic Review non-refundable annual subscription fees plus a one-time setup fee in total of $13,100.00 USD (the **"Price"**) for the 0-1,500 submissions usage tier. Payment is due thirty days from the date of invoice. If the Subscriber fails to pay an invoice in full, the unpaid amount will accrue interest from the due date at a rate of 1% per month or the maximum permitted by law, whichever is lower, and Civic Review may suspend all access to the Product until payment in full is made.

| One-Time Costs (USD) | |
|---|---|
| Setup Fee | $3,500.00 |
| Annually Recurring Costs (USD) | |
| Subscription Fee | $9,600.00 |

3. **RENEWAL.** Subscriber's license will automatically renew at the end of the Term in one-year increments (the **"Automatic Renewal Term"**). Civic Review shall notify Subscriber of the non-refundable price (the **"Renewal Price"**) for each Automatic Renewal Term at least 45 days before the beginning of each Automatic Renewal Term. Subscriber agrees occasional price increases can be expected over time. Payment of the Renewal Price must be made at the beginning of the applicable Automatic Renewal Term. The Parties may each cancel this Subscription Agreement in writing at least 7 days before the beginning of each Automatic Renewal Term.

4. **TERMS AND CONDITIONS.** Subscriber agrees to the additional terms and conditions set forth at www.civicreview.com/terms-of-service, which is incorporated into this Agreement. Civic Review may add to, modify, or otherwise amend the terms and conditions. Civic Review shall notify Subscriber of any such modification at least 45 days before the modification becomes effective.

5. **NOTIFICATIONS.** All written notifications must be sent to the following:

| | |
|---|---|
| Civic Review, Inc.<br>PO Box 506<br>Logan, UT 84323 | Village of Mukwonago<br>440 River Crest Ct<br>Mukwonago, WI 53149 |

6. **GOVERNING LAW.** This Agreement shall be governed by and construed in accordance with the laws of the State of Delaware without regard for its conflicts of law principles.

7. **JURISDICTION AND VENUE.** The exclusive venue for any legal action to interpret or enforce any term or condition of this Agreement shall be the Second Judicial District Court in and for the State of Utah, and no other court shall have jurisdiction over the Parties.

8. **ATTORNEY FEES.** The prevailing Party shall be entitled to recover all costs of litigation, including a reasonable attorney fee, in any action regarding the interpretation or enforcement of this Agreement.

9. **ENTIRE AGREEMENT.** This Agreement constitutes the entire understanding between the Parties hereto with respect to the subject matter hereof and supersedes all negotiations, representations, prior discussions, and preliminary agreements between the Parties hereto, whether oral or written.

10. **WAIVER.** No failure by any of the Parties to insist upon the strict performance of any covenant, duty, agreement, or condition of this Agreement, or to exercise any right or remedy upon the breach thereof, shall constitute a waiver of any breach of this Agreement.

11. **SEVERABILITY.** Each of the provisions of this Agreement is independent of one another. Any provision of this Agreement found to be unenforceable shall be severed from the remaining terms and conditions, and the remainder of the terms and conditions shall be enforced to the full extent allowed in law or equity. Any unenforceable provision of this

Agreement shall be re-written by a court or other tribunal interpreting the same such that it is then enforceable and most closely approximates the intent of the Parties.

12. **COUNTERPARTS.** This Agreement may be executed in one or more counterparts, all of which when taken together shall constitute but one agreement. The counterparts of this Agreement may be executed and delivered by any of the parties to any other party via facsimile or by .pdf file attached to electronic mail, and the receiving party may rely on the receipt of such document so executed and delivered by facsimile or other electronic means as if the inked original had been hand-delivered and received.

13. **AMENDMENT.** No amendment to this Agreement will be effective unless it is in writing and signed by both Parties.

14. **ASSIGNMENT.** Except with the prior written consent of the other, neither Civic Review nor subscriber may transfer (1) any obligation imposed under this agreement, (2) any discretion granted under this agreement, (3) any right to satisfy a condition under this agreement, or (4) any remedy under this agreement. Any purported transfer in breach of this section 14 will be void.

15. **CONFIDENTIAL INFORMATION.**
    a. "Confidential Information" means, for purposes of this Agreement, the non-public information provided by a Party ("Discloser") to the other Party ("Recipient") related to the business opportunities between the Parties, provided that such information is: (1) identified as confidential at the time of disclosure by the Discloser, or (2) if the initial disclosure is not in written or other tangible form, the Confidential Information will be so identified at the time of disclosure and reduced to written or other tangible form, appropriately marked and submitted by the Discloser to the Recipient as soon as reasonably practicable thereafter, but no later than thirty (30) days after disclosure. **Confidential Information of Civic Review shall include pricing information, product architecture, product research and development plans, non-public financial data and roadmaps, whether marked as confidential or not.** A Recipient may use the Confidential Information that it receives from the Discloser solely for the purpose of performing activities contemplated under this Agreement. For a period of five (5) years following the applicable date of disclosure of any Confidential Information, a Recipient will not disclose the Confidential Information to any third party. A Recipient will protect it by using the same degree of care, but no less than a reasonable degree of care, to prevent the unauthorized use, dissemination or publication as the Recipient uses to protect its own confidential information of a like nature. The Recipient may disclose the Confidential Information to its affiliates, agents and subcontractors with a need to know in order to fulfill the purpose of this Agreement, under a nondisclosure agreement at least as protective of the Discloser's rights as this Agreement.

    b. This Section 15 imposes no obligation upon a Recipient with respect to Confidential Information which: (i) is or becomes public knowledge other than by breach of this Agreement; (ii) was in the Recipient's possession before receipt from the Discloser and was not subject to a duty of confidentiality; (iii) is rightfully received by the Recipient

without any duty of confidentiality; (iv) is disclosed generally to a third party by the Discloser without a duty of confidentiality on the third party; or (v) is independently developed by the Recipient without use of the Confidential Information. The Recipient may disclose the Discloser's Confidential Information as required by law or court order provided: (1) the Recipient promptly notifies the Discloser in writing of the requirement for disclosure, if legally permissible; and (2) discloses only as much of the Confidential Information as is required. Upon request from the Discloser or upon termination of the Agreement, the Recipient will aim to return all Confidential Information and all copies, notes, summaries or extracts thereof or certify destruction of the same.

**c.** Each Party will retain all right, title and interest to such party's Confidential Information. The parties acknowledge that a violation of the Recipient's obligations with respect to Confidential Information may cause irreparable harm to the Discloser for which a remedy at law would be inadequate. Therefore, in addition to any and all remedies available at law, Discloser will be entitled to seek an injunction or other equitable remedies in all legal proceedings in the event of any threatened or actual violation of any or all of the provisions. Subject to the terms of this Agreement: (i) Discloser may request the return of Confidential Information; (ii) or upon termination or completion of the Agreement or any Online Services, Recipient will either return (if technically feasible to do so) or destroy the Confidential Information and upon request of Discloser, will certify such destruction. Notwithstanding the foregoing and provided that such information is protected in accordance with the terms of this Agreement, the Recipient may continue to maintain copies of Confidential Information: (x) that is included in its data backup, which will be destroyed in accordance with the Recipient's data retention policies; or (y) as required to comply with applicable law, which will be destroyed when such obligation is met.

16. **COMMUNICATION.** Subscriber and its users agree to receiving communications from Civic Review staff and the product including but not limited to: training materials, newsletters, and product updates. Subscriber can opt-out of receiving these communications at any time.

17. **INDEPENDENT CONTRACTORS.** The Parties intend to be independent contractors. Nothing in this Agreement shall constitute either a partnership or joint venture between the Parties, nor shall it constitute any Party to be the agent, employee, or representative of the other Party for any purpose.

18. **INTELLECTUAL PROPERTY.** 'Intellectual Property' means patents, rights to apply for patents, trademarks, trade names, service marks, domain names, copyrights and all applications and registration of such worldwide, schematics, industrial models, inventions, know-how, trade secrets, computer software programs, and other intangible proprietary information. Except for rights expressly granted under this agreement, nothing in this Agreement will function to transfer any of either Party's Intellectual Property rights to the other Party.

19. **INSURANCE.** Civic Review shall procure and maintain for the duration of the Agreement, insurance against claims for injuries to persons or damage to property which may arise from

or in connection with the performance of the work hereunder by Civic Review, their agents, representatives, employees, or subcontractors. Civic Review will maintain the following insurance: General Aggregate of $4 million with $2 million per occurrence, and first-party data breach and cyber insurance of $1 million aggregate.

**IN WITNESS WHEREOF**, this Agreement has been executed by the Parties or their duly authorized representatives on the Effective Date.

| **Civic Review, Inc.** | **Village of Mukwonago** |
| --- | --- |
| Name: John Reynolds<br>Title: Founder, CEO | Name:<br>Title: |

# Accounts Payable Cover Sheet

| Report: | Period or corresponding disbursement date | | |
|---|---|---|---|
| Village Accounts Payable | 5/8/2025 | $ | 332,030.16 |
| Spectrum & DOR | 4/2/2025 | $ | 2,314.52 |
| Lottery Credit Settlements | 4/2/2025 | $ | 198,234.49 |
| WE Energies | 4/2/2025 | $ | 48,575.44 |
| Invoice Cloud | 4/9/2025 | $ | 460.60 |
| Payroll-related | 4/9/2025 | $ | 8,997.16 |
| Payroll-related | 4/9/2025 | $ | 2,014.23 |
| Knight Barry Title - WE Energies Land Purchase | 4/9/2025 | $ | 137,535.00 |
| Court | 4/8/2025 | $ | 6,697.29 |
| Library AP | 4/11/2025 | $ | 54,275.12 |
| Payroll-related | 4/23/2025 | $ | 5,763.06 |
| US Bank | 4/23/2025 | $ | 11,002.35 |
| Payroll-related | 4/23/2025 | $ | 194,882.21 |
| | | $ | - |
| | | $ | - |
| | | $ | - |
| | | $ | - |
| | **Total for Approval:** | **$** | **1,002,781.63** |

**The preceding list of bills payable was approved for payment**

**Date:** _____

**Approved by:** _____

_____

_____

**Reconciliation to Check Register for Prior Month**

| | | |
|---|---|---|
| 4/2/2025 | $ | 168,310.99 |
| 4/16/2025 | $ | 132,992.63 |
| Total | $ | 301,303.62 |
| Prior Month activity listed above | $ | 670,751.47 |
| Total Disbursements | $ | 972,055.09 |
| Check Register Balance | $ | 972,055.09 |
| Difference | $ | - |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: 122 ARROWHEAD ENTERPRISES INC | | | | | | |
| REIMBURSE | OVER PAYMENT OF 2 OPER LICENSES | 100-4410-441700 | 90.00 | 90.00 | FINANCE | 05/08/2025 |
| TOTAL VENDOR 122 ARROWHEAD ENTERPRISES INC | | | | 90.00 | | |
| VENDOR NAME: ALSCO | | | | | | |
| IMIL2111212 | PD MAT CLEANING SERVICE | 100-5211-539400 | 38.00 | 38.00 | POLICE | 05/08/2025 |
| IMIL2113146 | VILLAGE HALL WALK OFF MATS | 100-5160-521900 | 50.60 | 50.60 | DPW | 05/08/2025 |
| TOTAL VENDOR ALSCO | | | | 88.60 | | |
| VENDOR NAME: AMAZON CAPITOL SERVICES | | | | | | |
| 13LP-JKMW-1WYV | STOBE LIGHT SWITCHES | 100-5324-539500 | 17.98 | 17.98 | DPW | 05/08/2025 |
| 1TVP-C6DD-W73D | SAND BLAST BOOTH PARTS | 100-5323-531100 | 61.97 | 61.97 | DPW | 05/08/2025 |
| 1VDD-TGN9-TFDC | WARNING FLASHERS FOR COMPACT TRATORS | 100-5324-539500 | 75.98 | 75.98 | DPW | 05/08/2025 |
| 1MCW-7Q3F-6FVD | IT PATCH CABLES FOR FIBER PROJECT | 480-5700-576400 | 75.10 | 75.10 | DPW | 05/08/2025 |
| TOTAL VENDOR AMAZON CAPITOL SERVICES | | | | 231.03 | | |
| VENDOR NAME: AMERICAN POWER, INC | | | | | | |
| 192429 | CHAINSAW FILES AND CHAINS | 100-5611-531100 | 446.21 | 446.21 | DPW | 05/08/2025 |
| TOTAL VENDOR AMERICAN POWER, INC | | | | 446.21 | | |
| VENDOR NAME: AMERICAN TEST CENTER | | | | | | |
| 2250716 | ANNUAL AERIAL AND GROUND LADDER TESTING | 150-5222-539500 | 1,344.75 | 1,344.75 | FIRE | 05/08/2025 |
| TOTAL VENDOR AMERICAN TEST CENTER | | | | 1,344.75 | | |
| VENDOR NAME: AT & T | | | | | | |
| 8139810019 | AT&T 911 FIBER LINE | 100-5211-522900 | 984.18 | 984.18 | POLICE | 05/08/2025 |
| TOTAL VENDOR AT & T | | | | 984.18 | | |
| VENDOR NAME: BAKER TILLY US, LLP | | | | | | |
| BT3119446 | 2024 AUDIT- PROGRESS BILLING #2 | 100-5151-521900 | 2,899.69 | 15,075.75 | FINANCE | 05/08/2025 |
| | | 150-5221-521900 | 1,512.13 | | | |
| | | 200-5141-521900 | 263.35 | | | |
| | | 410-5363-521900 | 315.40 | | | |
| | | 430-5141-521900 | 424.19 | | | |
| | | 440-5511-521900 | 644.44 | | | |
| | | 480-5151-521900 | 1,460.68 | | | |
| | | 500-5344-521900 | 18.00 | | | |
| | | 220-5151-521900 | 979.18 | | | |
| | | 240-5151-521900 | 979.18 | | | |
| | | 250-5151-521900 | 979.18 | | | |
| | | 610-6920-692300 | 2,340.20 | | | |
| | | 620-8400-852000 | 2,260.13 | | | |
| TOTAL VENDOR BAKER TILLY US, LLP | | | | 15,075.75 | | |
| VENDOR NAME: BOUND TREE MEDICAL LLC | | | | | | |
| 85735094 | EMS SUPPLIES | 150-5231-531100 | 371.24 | 371.24 | FIRE | 05/08/2025 |
| TOTAL VENDOR BOUND TREE MEDICAL LLC | | | | 371.24 | | |
| VENDOR NAME: BS&A | | | | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: BS&A | | | | | | |
| 160941 | ANNUAL SOFTWARE MAINTENANCE COSTS | 100-5141-522900 | 299.25 | 10,274.00 | ALLOCATE | 05/08/2025 |
| | | 100-5145-522900 | 299.26 | | | |
| | | 100-5142-522900 | 598.53 | | | |
| | | 100-5241-522900 | 1,834.44 | | | |
| | | 100-5632-522900 | 1,834.44 | | | |
| | | 100-5211-522900 | 348.49 | | | |
| | | 100-5300-522900 | 348.49 | | | |
| | | 150-5221-522900 | 348.49 | | | |
| | | 440-5511-521900 | 348.49 | | | |
| | | 610-6920-692300 | 2,007.06 | | | |
| | | 620-8400-852000 | 2,007.06 | | | |
| TOTAL VENDOR BS&A | | | | 10,274.00 | | |
| VENDOR NAME: C & M AUTO PARTS INC | | | | | | |
| 6079-395431 | SQUAD 28 OIL FILTER | 100-5212-539500 | 13.17 | 13.17 | POLICE | 05/08/2025 |
| 6079-395392 | PROTECTANT | 100-5323-531100 | 13.89 | 13.89 | DPW | 05/08/2025 |
| 6079-395543 | SKID STEER AIR FILTER | 100-5324-539500 | 17.99 | 17.99 | DPW | 05/08/2025 |
| 6079-395311 | TORO 5910 OIL FILTERS | 100-5324-539500 | 264.26 | 264.26 | DPW | 05/08/2025 |
| 6079-395435 | TIRE REPAIR KITS | 100-5323-531100 | 63.48 | 63.48 | DPW | 05/08/2025 |
| 6079-395361 | 524 LOADER AIR FILTERS | 100-5324-539500 | 26.48 | 26.48 | DPW | 05/08/2025 |
| TOTAL VENDOR C & M AUTO PARTS INC | | | | 399.27 | | |
| VENDOR NAME: CINTAS | | | | | | |
| 4227076893 | STAFF UNIFORMS AND SHOP SUPPLIES | 100-5323-531100 | 150.59 | 150.59 | DPW | 05/08/2025 |
| 4227077137 | UNIFORM SERVICE | 610-6920-693000 | 99.24 | 198.47 | UTILITIES | 05/08/2025 |
| | | 620-8400-856000 | 99.23 | | | |
| 4227828721 | STAFF UNIFORMS AND SHOP SUPPLIES | 100-5323-531100 | 150.59 | 150.59 | DPW | 05/08/2025 |
| 4227828888 | UNIFORM SERVICE | 610-6920-693000 | 73.24 | 146.49 | UTILITIES | 05/08/2025 |
| | | 620-8400-856000 | 73.25 | | | |
| TOTAL VENDOR CINTAS | | | | 646.14 | | |
| VENDOR NAME: CORE & MAIN LP | | | | | | |
| W742127 | PARTS FOR VARIOUS SERVICE/HWY 83 WATER B | 610-6451-665100 | 4,360.66 | 5,106.79 | UTILITIES | 05/08/2025 |
| | | 610-6453-664100 | 105.60 | | | |
| | | 610-6452-665200 | 640.53 | | | |
| W79830 | TRAFFIC FLANGE KIT | 610-6454-665400 | 1,949.00 | 1,949.00 | UTILITIES | 05/08/2025 |
| TOTAL VENDOR CORE & MAIN LP | | | | 7,055.79 | | |
| VENDOR NAME: DEPARTMENT OF ADMINISTRATION | | | | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: DEPARTMENT OF ADMINISTRATION | | | | | | |
| 505-0000100464 | EMAIL FILTER 04/2025 | 100-5111-522900 | 3.17 | 50.76 | ALLOCATE | 05/08/2025 |
| | | 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: EBIX | | | | | | |
| 13917 | EBIX INVOICE | 150-5231-521900 | 8,401.88 | 8,401.88 | FIRE | 05/08/2025 |
| TOTAL VENDOR EBIX | | | | 8,401.88 | | |
| VENDOR NAME: EXCEL BUILDING SERVICES LLC | | | | | | |
| 4410 | PD BUILDING CLEANING SERVICE | 100-5211-539400 | 975.00 | 975.00 | POLICE | 05/08/2025 |
| TOTAL VENDOR EXCEL BUILDING SERVICES LLC | | | | 975.00 | | |
| VENDOR NAME: FISCHER-FISCHER-THEIS, INC | | | | | | |
| 25007-I01 | POLICE STATION DESIGN | 480-5700-573000 | 83,080.00 | 83,080.00 | FINANCE | 05/08/2025 |
| TOTAL VENDOR FISCHER-FISCHER-THEIS, INC | | | | 83,080.00 | | |
| VENDOR NAME: GORDON FLESCH CO | | | | | | |
| I00966746 | CANON LEASE 1/20/24-12/19/24 | 100-5142-531200 | 20.25 | 162.10 | ALLOCATE | 05/08/2025 |
| | | 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 | | | |
| | | 620-8300-840000 | 13.84 | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: GORDON FLESCH CO | | | | | | |
| IN15130503 | CANON COPIER MONTH YEAR COPIES | 100-5142-531200 | 20.23 | 162.02 | ALLOCATE | 05/08/2025 |
| | | 100-5300-539900 | 19.07 | | | |
| | | 100-5120-531100 | 8.07 | | | |
| | | 100-5141-531100 | 5.02 | | | |
| | | 100-5145-531100 | 9.43 | | | |
| | | 100-5241-531200 | 3.78 | | | |
| | | 100-5632-531200 | 4.65 | | | |
| | | 100-5211-531200 | 19.90 | | | |
| | | 150-5221-531100 | 20.09 | | | |
| | | 410-5363-531200 | 1.62 | | | |
| | | 440-5511-531200 | 18.47 | | | |
| | | 500-5344-531200 | 2.25 | | | |
| | | 610-6902-690300 | 15.60 | | | |
| | | 620-8400-851000 | 13.84 | | | |
| TOTAL VENDOR GORDON FLESCH CO | | | | 324.12 | | |
| VENDOR NAME: HAWKINS WATER TREATMENT | | | | | | |
| 7035738 | CHEMICALS FOR WATER TREATMENT | 610-6300-663100 | 40.00 | 40.00 | UTILITIES | 05/08/2025 |
| TOTAL VENDOR HAWKINS WATER TREATMENT | | | | 40.00 | | |
| VENDOR NAME: HINCKLEY SPRINGS | | | | | | |
| 23853226 041225 | VILLAGE HALL DRINKING WATER | 100-5160-531100 | 57.14 | 57.14 | DPW | 05/08/2025 |
| TOTAL VENDOR HINCKLEY SPRINGS | | | | 57.14 | | |
| VENDOR NAME: HOME DEPOT | | | | | | |
| MAR 2025 DPW | MISC SUPPLY AND REPAIR PARTS | 100-5512-582100 | 148.29 | 213.46 | DPW | 05/08/2025 |
| | | 100-5521-531100 | 4.98 | | | |
| | | 100-5323-531100 | 51.21 | | | |
| | | 100-5160-539500 | 8.98 | | | |
| MAR 2025 PD | HARDWARE SUPPLIES | 100-5211-539500 | 41.86 | 41.86 | POLICE | 05/08/2025 |
| TOTAL VENDOR HOME DEPOT | | | | 255.32 | | |
| VENDOR NAME: HORN OIL | | | | | | |
| MAR 2025 | MARCH 2025 MONTHLY FUEL | 100-5212-535100 | 2,435.35 | 17,517.79 | ALLOCATE | 05/08/2025 |
| | | 100-5241-535100 | 29.83 | | | |
| | | 100-5324-535100 | 12,214.35 | | | |
| | | 150-5222-535100 | 604.12 | | | |
| | | 150-5231-535100 | 1,373.34 | | | |
| | | 610-6920-693300 | 369.56 | | | |
| | | 620-8010-828000 | 342.85 | | | |
| | | 620-8010-825500 | 105.79 | | | |
| | | 100-5323-531100 | 42.60 | | | |
| TOTAL VENDOR HORN OIL | | | | 17,517.79 | | |
| VENDOR NAME: JAMES IMAGING SYSTEMS, INC | | | | | | |
| 39043822 | COPIER INVOICE | 150-5221-531100 | 150.18 | 150.18 | FIRE | 05/08/2025 |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: JAMES IMAGING SYSTEMS, INC | | | | | | |
| | TOTAL VENDOR JAMES IMAGING SYSTEMS, INC | | | 150.18 | | |
| VENDOR NAME: KNOX COMPANY | | | | | | |
| INV-KA-395773 | KNOX BRACKETS | 150-5222-531100 | 52.00 | 52.00 | FIRE | 05/08/2025 |
| | TOTAL VENDOR KNOX COMPANY | | | 52.00 | | |
| VENDOR NAME: LANGE ENTERPRISES INC | | | | | | |
| 90562 | CARDINAL LN SIGNS - DEVELOPER FUNDED | 100-0000-211425 | 189.77 | 189.77 | BUILDING | 03/12/2025 |
| | TOTAL VENDOR LANGE ENTERPRISES INC | | | 189.77 | | |
| VENDOR NAME: LIFE-ASSIST, INC. | | | | | | |
| 1590049 | EMS SUPPLIES | 150-5231-531100 | 397.20 | 397.20 | FIRE | 05/08/2025 |
| 1588562 | EMS SUPPLIES | 150-5231-531100 | 1,011.55 | 1,011.55 | FIRE | 05/08/2025 |
| | TOTAL VENDOR LIFE-ASSIST, INC. | | | 1,408.75 | | |
| VENDOR NAME: LORI MACCARI | | | | | | |
| 040825 | CPR INSTRUCTOR MONITORING | 150-5232-533500 | 75.00 | 75.00 | FIRE | 05/08/2025 |
| | TOTAL VENDOR LORI MACCARI | | | 75.00 | | |
| VENDOR NAME: MARTENS PLBG & HTG INC | | | | | | |
| 72292 | SPUD GASKET | 100-5521-531100 | 32.00 | 32.00 | DPW | 05/08/2025 |
| | TOTAL VENDOR MARTENS PLBG & HTG INC | | | 32.00 | | |
| VENDOR NAME: MCDONOUGH SEPTIC | | | | | | |
| I15058 | HAULER STATION- PORTA TOILET | 620-8010-827000 | 95.00 | 95.00 | UTILITIES | 05/08/2025 |
| I15016 | PORTABLE RESTROOMS | 100-5521-531100 | 230.00 | 230.00 | DPW | 05/08/2025 |
| | TOTAL VENDOR MCDONOUGH SEPTIC | | | 325.00 | | |
| VENDOR NAME: MUKWONAGO AREA CHAMBER OF COMM | | | | | | |
| MARCH 2025 | MARCH 25 EXPEDIA | 100-0000-244000 | 626.03 | 626.03 | CLERK | 05/08/2025 |
| | TOTAL VENDOR MUKWONAGO AREA CHAMBER OF COMM | | | 626.03 | | |
| VENDOR NAME: MUKWONAGO DOOR LLC | | | | | | |
| 040425 | DPW GARAGE DOOR REPAIR | 100-5323-539500 | 125.00 | 125.00 | DPW | 05/08/2025 |
| | TOTAL VENDOR MUKWONAGO DOOR LLC | | | 125.00 | | |
| VENDOR NAME: MUKWONAGO ROTARY CLUB | | | | | | |
| 3275 | QTRLY DUES & BREAKFAST | 100-5141-532400 | 92.25 | 184.50 | ALLOCATE | 05/08/2025 |
| | | 100-5211-532400 | 92.25 | | | |
| | TOTAL VENDOR MUKWONAGO ROTARY CLUB | | | 184.50 | | |
| VENDOR NAME: MULCAHY/SHAW WATER, INC. | | | | | | |
| 326648 | SAMPLER PUMP ASSEMBLY | 620-8010-833000 | 977.95 | 977.95 | UTILITIES | 05/08/2025 |
| | TOTAL VENDOR MULCAHY/SHAW WATER, INC. | | | 977.95 | | |
| VENDOR NAME: NAPA AUTO PARTS - SP018 | | | | | | |
| 246632 | REPLACEMENT VEHICLE FUSES | 100-5324-539500 | 7.28 | 7.28 | DPW | 05/08/2025 |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: NAPA AUTO PARTS - SP018 | | | | | | |
| | TOTAL VENDOR NAPA AUTO PARTS - SP018 | | | 7.28 | | |
| VENDOR NAME: NATURAL SOLUTIONS | | | | | | |
| 12422 | PLAYGROUND FIBER CHIPS | 100-5521-531100 | 1,760.00 | 1,760.00 | DPW | 05/08/2025 |
| | TOTAL VENDOR NATURAL SOLUTIONS | | | 1,760.00 | | |
| VENDOR NAME: NEENAH FOUNDRY COMPANY | | | | | | |
| 180282 | MANHOLE RING AND LID | 620-8030-831000 | 772.30 | 772.30 | UTILITIES | 05/08/2025 |
| | TOTAL VENDOR NEENAH FOUNDRY COMPANY | | | 772.30 | | |
| VENDOR NAME: NORTHERN LAKE SERVICE INC | | | | | | |
| 2505489 | COMPLIANCE SAMPLING- RADIOACTIVITY | 610-6300-663200 | 383.32 | 383.32 | UTILITIES | 05/08/2025 |
| 2505209 | COMPLIANCE SAMPLING- 2025 PERMIT RENEWAL | 620-8010-826000 | 72.48 | 72.48 | UTILITIES | 05/08/2025 |
| 2505194 | COMPLIANCE SAMPLING- COURIER SERVICE | 610-6300-663200 | 62.00 | 62.00 | UTILITIES | 05/08/2025 |
| 2505941 | COMPLIANCE SAMPLING- BACTI | 610-6300-663200 | 145.00 | 145.00 | UTILITIES | 05/08/2025 |
| | TOTAL VENDOR NORTHERN LAKE SERVICE INC | | | 662.80 | | |
| VENDOR NAME: OATH LAW | | | | | | |
| 041825 | REFUND COMMUNITY ROOM RENTAL SECURITY DE | 100-4820-485500 | 75.00 | 75.00 | CLERK | 05/08/2025 |
| | TOTAL VENDOR OATH LAW | | | 75.00 | | |
| VENDOR NAME: PROHEALTH MEDICAL GROUP | | | | | | |
| 325382 DPW | RANDOM DOT DRUG TEST | 100-5300-521900 | 64.00 | 64.00 | DPW | 05/08/2025 |
| 325382 UTL | ANNUAL AUDIOGRAM TESTING | 610-6920-693000 | 15.50 | 31.00 | UTILITIES | 05/08/2025 |
| | | 620-8400-856000 | 15.50 | | | |
| | TOTAL VENDOR PROHEALTH MEDICAL GROUP | | | 95.00 | | |
| VENDOR NAME: PRORIDER INC | | | | | | |
| 82925 | NNO BIKE HELMETS | 340-5890-580602 | 795.00 | 795.00 | POLICE | 05/08/2025 |
| | TOTAL VENDOR PRORIDER INC | | | 795.00 | | |
| VENDOR NAME: RUEKERT & MIELKE, INC. | | | | | | |
| 156578 | 12-00000.100 General Services | 100-5335-521900 | 4,725.00 | 4,725.00 | FINANCE | 05/08/2025 |
| 156555 | 12-00000.400 Sewer Utility Services | 620-8400-852000 | 217.00 | 217.00 | FINANCE | 05/08/2025 |
| 156556 | 12-10096.300 Deback Drive Infrastructure | 200-5335-521900 | 26,557.47 | 26,557.47 | FINANCE | 05/08/2025 |
| 156576 | 12-10098.125 WWTF Phosphorus Assistance | 620-8400-852100 | 651.75 | 651.75 | FINANCE | 05/08/2025 |
| 156570 | 12-10063/2025 Annual GIS Services | 100-5300-521900 | 466.40 | 3,500.00 | FINANCE | 05/08/2025 |
| | | 100-5344-521900 | 427.22 | | | |
| | | 100-5611-521900 | 233.20 | | | |
| | | 500-5344-521900 | 39.18 | | | |
| | | 610-6920-692300 | 1,167.00 | | | |
| | | 620-8400-852000 | 1,167.00 | | | |
| 156569 | 12-10063/2025.610A Annual GIS Services | 100-5660-521900 | 532.00 | 580.00 | FINANCE | 05/08/2025 |
| | | 500-5344-521900 | 48.00 | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: RUEKERT & MIELKE, INC. | | | | | | |
| 156568 | 12-10063/2025.610B Annual GIS Services | 610-6920-692300 | 1,301.00 | 2,602.00 | FINANCE | 05/08/2025 |
| | | 620-8400-852000 | 1,301.00 | | | |
| 156560 | 12-10169.200 Wells 3 and 4 Radium Remova | 610-0000-000109 | 15,715.25 | 15,715.25 | FINANCE | 05/08/2025 |
| 156575 | 12-10204.200 Police Station Garage Addit | 480-5700-573000 | 25,367.80 | 25,367.80 | FINANCE | 05/08/2025 |
| 156562 | 12-10205.100 Sewer and Water Comprehensi | 610-6920-692300 | 2,393.00 | 7,342.74 | FINANCE | 05/08/2025 |
| | | 620-8400-852000 | 4,949.74 | | | |
| 156567 | 12-10215.125 Village Planning Services | 100-5632-521900 | 11,496.85 | 11,496.85 | FINANCE | 05/08/2025 |
| 156566 | 12-10229.320 Milwaukee Tool 2024 Parking | 100-0000-211400 | 96.00 | 96.00 | FINANCE | 05/08/2025 |
| 156574 | 12-10232.200 Field Park Pickleball Court | 480-5700-584900 | 2,539.95 | 2,539.95 | FINANCE | 05/08/2025 |
| 156577 | 12-10236.150 Journey Salon / Development | 100-5335-521900 | 218.75 | 218.75 | FINANCE | 05/08/2025 |
| 156572 | 12-92041.715 2025 SCADA Service Work | 610-6920-692300 | 54.25 | 108.50 | FINANCE | 05/08/2025 |
| | | 620-8400-852000 | 54.25 | | | |
| 156557 | 12-10149.310 EDGEWOOD CONDOS / EROSION C | 100-0000-211425 | 306.50 | 306.50 | FINANCE | 04/11/2025 |
| 156558 | 12-10185.300 GS GLOBAL EXPANSION / EROSI | 100-0000-211425 | 395.84 | 395.84 | FINANCE | 05/08/2025 |
| 156563 | 12-10191.300 EDGEWOOD CONDOS BIELINSKI D | 100-0000-211425 | 402.50 | 402.50 | FINANCE | 05/08/2025 |
| 156559 | 12-10196.300 ADELHELM LUBRICOAT EXPANSIO | 100-0000-211425 | 197.92 | 197.92 | FINANCE | 05/08/2025 |
| 156561 | 12-10210.300 CARDINAL RIDGE HEIN DEVELOP | 100-0000-211425 | 574.90 | 574.90 | FINANCE | 05/08/2025 |
| 156564 | 12-10216.310 AZURA SENIOR LIVING / EROSI | 100-0000-211425 | 361.62 | 361.62 | FINANCE | 05/08/2025 |
| 156565 | 12-10221.100 DUNKIN DONUTS / REVIEW | 100-0000-211425 | 633.75 | 633.75 | FINANCE | 05/08/2025 |
| 156571 | 12-10230.150 ST. JAMES CHURCH EXPANSION | 100-0000-211425 | 438.75 | 438.75 | FINANCE | 05/08/2025 |
| TOTAL VENDOR RUEKERT & MIELKE, INC. | | | | 105,030.84 | | |
| VENDOR NAME: SHERWIN INDUSTRIES, INC | | | | | | |
| SS106428 | GRACO LINELAZER LINE PAINTER FOR STREET | 430-5700-571200 | 9,335.00 | 9,335.00 | DPW | 05/08/2025 |
| TOTAL VENDOR SHERWIN INDUSTRIES, INC | | | | 9,335.00 | | |
| VENDOR NAME: SHERWIN-WILLIAMS | | | | | | |
| 0470-4 | FIELD PAINTER SPRAY GUN | 100-5324-539500 | 129.00 | 129.00 | DPW | 05/08/2025 |
| TOTAL VENDOR SHERWIN-WILLIAMS | | | | 129.00 | | |
| VENDOR NAME: STERICYCLE | | | | | | |
| 8010502623 | 2025 APRIL VH SHREDDING SERVICES | 100-5141-531100 | 103.51 | 207.03 | ALLOCATE | 05/08/2025 |
| | | 100-5142-531100 | 51.76 | | | |
| | | 100-5632-531100 | 51.76 | | | |
| TOTAL VENDOR STERICYCLE | | | | 207.03 | | |
| VENDOR NAME: STRYKER SALES, LLC | | | | | | |
| 9205521548 | STRYKER INVOICE | 150-5231-539500 | 933.18 | 933.18 | FIRE | 05/08/2025 |
| TOTAL VENDOR STRYKER SALES, LLC | | | | 933.18 | | |
| VENDOR NAME: T-MOBILE | | | | | | |
| MARCH 2025 | T-MOBILE INVOICE | 150-5221-522500 | 623.44 | 623.44 | FIRE | 05/08/2025 |
| TOTAL VENDOR T-MOBILE | | | | 623.44 | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: UNDERWATER CONNECTION | | | | | | |
| 54568 | ROLBIECKI OPEN WATER | 150-5233-533500 | 539.10 | 539.10 | FIRE | 05/08/2025 |
| 54567 | LAABS ADVANCED OPEN WATER | 150-5233-533500 | 360.00 | 360.00 | FIRE | 05/08/2025 |
| 54569 | LAABS RESCUE DIVER | 150-5233-533500 | 405.00 | 405.00 | FIRE | 05/08/2025 |
| 54570 | MENDEN RESCUE DIVER | 150-5221-533500 | 405.00 | 405.00 | FIRE | 05/08/2025 |
| 54611 | ROLBIECKI OPEN WATER | 150-5233-533500 | 539.10 | 539.10 | FIRE | 05/08/2025 |
| TOTAL VENDOR UNDERWATER CONNECTION | | | | 2,248.20 | | |
| VENDOR NAME: UNTI DAVID | | | | | | |
| 041425 | UNTI CPR INSTRUCTOR | 150-5232-533500 | 157.50 | 157.50 | FIRE | 05/08/2025 |
| TOTAL VENDOR UNTI DAVID | | | | 157.50 | | |
| VENDOR NAME: USA BLUEBOOK | | | | | | |
| INV00676164 | SLUDGE SAMPLING EQUIPMENT | 620-8010-827000 | 867.70 | 867.70 | UTILITIES | 05/08/2025 |
| TOTAL VENDOR USA BLUEBOOK | | | | 867.70 | | |
| VENDOR NAME: VELOCITY LLC | | | | | | |
| 2025029 | IT SERVICES 1/3/25 - 4/15/2025 | 100-5512-522900 | 380.00 | 10,735.00 | ALLOCATE | 05/08/2025 |
| | | 100-5141-521901 | 712.50 | | | |
| | | 100-5145-521901 | 665.00 | | | |
| | | 100-5142-521901 | 1,425.00 | | | |
| | | 100-5211-521901 | 1,995.00 | | | |
| | | 100-5300-521901 | 332.50 | | | |
| | | 150-5221-521901 | 950.00 | | | |
| | | 440-5511-521900 | 190.00 | | | |
| | | 610-6920-692300 | 380.00 | | | |
| | | 620-8400-852000 | 380.00 | | | |
| | | 100-5150-521900 | 855.00 | | | |
| | | 350-5700-576400 | 2,470.00 | | | |
| 2025028 | OFFICE 365 LICENSING | 100-5111-522900 | 189.00 | 3,994.50 | ALLOCATE | 05/08/2025 |
| | | 100-5120-522900 | 64.50 | | | |
| | | 100-5141-522900 | 120.00 | | | |
| | | 100-5142-522900 | 210.00 | | | |
| | | 100-5145-522900 | 202.50 | | | |
| | | 100-5211-522900 | 1,101.00 | | | |
| | | 100-5241-522900 | 202.50 | | | |
| | | 100-5300-522900 | 232.50 | | | |
| | | 100-5512-522900 | 52.50 | | | |
| | | 100-5632-522900 | 67.50 | | | |
| | | 150-5221-522900 | 1,087.50 | | | |
| | | 610-6920-692100 | 172.50 | | | |
| | | 620-8400-851000 | 172.50 | | | |
| | | 440-5511-521900 | 30.00 | | | |
| | | 100-5150-521900 | 90.00 | | | |
| TOTAL VENDOR VELOCITY LLC | | | | 14,729.50 | | |
| VENDOR NAME: VERIZON WIRELESS | | | | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: VERIZON WIRELESS | | | | | | |
| 6108397426 | MARCH 2025 MONTHLY BILL | 100-5141-522500 | 41.19 | 840.04 | ALLOCATE | 05/08/2025 |
| | | 100-5241-522500 | 91.06 | | | |
| | | 100-5323-522500 | 334.98 | | | |
| | | 610-6920-692100 | 165.81 | | | |
| | | 620-8400-851000 | 165.81 | | | |
| | | 100-5142-522500 | 41.19 | | | |
| | TOTAL VENDOR VERIZON WIRELESS | | | 840.04 | | |
| VENDOR NAME: VON BRIESEN & ROPER, S.C. | | | | | | |
| 489306 | MSD ISSUE ANALYSIS | 250-5130-521900 | 1,380.00 | 1,380.00 | FINANCE | 05/08/2025 |
| | TOTAL VENDOR VON BRIESEN & ROPER, S.C. | | | 1,380.00 | | |
| VENDOR NAME: WANASEK CORP | | | | | | |
| 16249 | WATER MAIN BREAK- 83 AND MACARTHUR | 610-6451-665100 | 4,390.33 | 4,390.33 | UTILITIES | 05/08/2025 |
| 16250 | WATER MAIN BREAK REAPIR - 83 AND OAKLAND | 610-6451-665100 | 4,308.02 | 4,308.02 | UTILITIES | 05/08/2025 |
| 16254 | WATER MAIN BREAK REPAIR - 83 AND MACARTH | 610-6451-665100 | 10,125.99 | 10,125.99 | UTILITIES | 05/08/2025 |
| 25-277-F | CURB BOX REPAIR FOR THREE SERVICES | 610-6452-665200 | 13,120.00 | 13,120.00 | UTILITIES | 05/08/2025 |
| | TOTAL VENDOR WANASEK CORP | | | 31,944.34 | | |
| VENDOR NAME: WAUKESHA CTY TREASURER | | | | | | |
| 2025-24030019 | NET MOTION/ INTEGRAPH/CAD | 150-5221-521900 | 2,216.82 | 4,433.64 | FIRE | 05/08/2025 |
| | | 150-5231-521900 | 2,216.82 | | | |
| 2025-24010076 | RADIO ERROR DIAGNOSIS | 150-5222-539500 | 61.98 | 61.98 | FIRE | 05/08/2025 |
| | TOTAL VENDOR WAUKESHA CTY TREASURER | | | 4,495.62 | | |
| VENDOR NAME: WELDERS SUPPLY CO. | | | | | | |
| 3183324 | WELDING GAS | 100-5323-531100 | 181.65 | 181.65 | DPW | 05/08/2025 |
| | TOTAL VENDOR WELDERS SUPPLY CO. | | | 181.65 | | |
| VENDOR NAME: WI DEPT OF JUSTICE CIB | | | | | | |
| L6812T 202503 | BACKGROUND CHECKS | 100-5211-521900 | 7.00 | 35.00 | POLICE | 05/08/2025 |
| | | 100-0000-242205 | 28.00 | | | |
| | TOTAL VENDOR WI DEPT OF JUSTICE CIB | | | 35.00 | | |
| VENDOR NAME: WI DEPT OF JUSTICE-TIME | | | | | | |
| 455TIME-0000017909 | WI DOJ CIB TIME SYSTEM AND BADGERNET 2ND | 100-5211-522900 | 2,256.75 | 2,256.75 | POLICE | 05/08/2025 |
| | TOTAL VENDOR WI DEPT OF JUSTICE-TIME | | | 2,256.75 | | |
| VENDOR NAME: ZEP SALES & SERVICE | | | | | | |
| 9011070167 | ZEP SUPPLIES | 150-5222-531100 | 306.42 | 612.84 | FIRE | 05/08/2025 |
| | | 150-5231-531100 | 306.42 | | | |
| | TOTAL VENDOR ZEP SALES & SERVICE | | | 612.84 | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | APPROVAL AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|
| GRAND TOTAL: | | | 332,030.16 | | |

INVOICE JOURNAL REPORT FOR VILLAGE OF MUKWONAGO
BANK CODE: GEN PAY BY: EFT TRANSFER CHECK RUN DATES 04/02/2025 - 04/02/2025



| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | CHARTER COMMUNICATIONS | Invoice: 152486401032125 Ref#: 69759(APRIL 2025 MONTHLY BILL) | | |
| AP Trx #: 105451 | | | | | |
| | | COURT | 100-5120-522500 | 19.47 | |
| | | ADMIN | 100-5141-522500 | 8.24 | |
| | | CLERK | 100-5142-522500 | 67.95 | |
| | | VH ALARM SYSTEM | 100-5160-522500 | 26.95 | |
| | | POLICE | 100-5211-522500 | 300.50 | |
| | | BLDG INSP | 100-5241-522500 | 19.47 | |
| | | DPW | 100-5323-522500 | 38.20 | |
| | | MUSEUM | 100-5512-522500 | 125.00 | |
| | | FIRE | 150-5221-522500 | 190.25 | |
| | | RECYCLING | 410-5363-522500 | 2.16 | |
| | | LIBRARY | 440-5511-522500 | 152.05 | |
| | | STORM WATER | 500-5344-522500 | 1.08 | |
| | | WATER | 610-6920-692100 | 18.34 | |
| | | SEWER | 620-8400-851000 | 18.34 | |
| | | FINANCE | 100-5145-522900 | 32.94 | |
| | | Vnd: 3200 Invoice: 152486401032125 | 100-0000-211000 | | 638.72 |
| | | Vnd: 3200 Invoice: 152486401032125 | 150-0000-211000 | | 190.25 |
| | | Vnd: 3200 Invoice: 152486401032125 | 410-0000-211000 | | 2.16 |
| | | Vnd: 3200 Invoice: 152486401032125 | 440-0000-211000 | | 152.05 |
| | | Vnd: 3200 Invoice: 152486401032125 | 500-0000-211000 | | 1.08 |
| | | Vnd: 3200 Invoice: 152486401032125 | 610-0000-211000 | | 18.34 |
| | | Vnd: 3200 Invoice: 152486401032125 | 620-0000-211000 | | 18.34 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 1,020.94 | 1,020.94 |
| 04/02/2025 | AP | WI DEPT OF REVENUE | Invoice: 2025 ANNUAL FEE Ref#: 69817(2025 ANNUAL ADMINISTRATIVE FEE) | | |
| AP Trx #: 105452 | | | | | |
| | | OTHER | 260-5140-539900 | 150.00 | |
| | | OTHER | 220-5140-539900 | 150.00 | |
| | | OTHER | 240-5140-539900 | 150.00 | |
| | | OTHER | 250-5140-539900 | 150.00 | |
| | | Vnd: 0036 Invoice: 2025 ANNUAL FEE | 260-0000-211000 | | 150.00 |
| | | Vnd: 0036 Invoice: 2025 ANNUAL FEE | 220-0000-211000 | | 150.00 |
| | | Vnd: 0036 Invoice: 2025 ANNUAL FEE | 240-0000-211000 | | 150.00 |
| | | Vnd: 0036 Invoice: 2025 ANNUAL FEE | 250-0000-211000 | | 150.00 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 600.00 | 600.00 |
| 04/02/2025 | AP | WI DEPT OF REVENUE QTRLY TAX | Invoice: 1ST QTR 2025 Ref#: 69810(WI DEPT OF REVENUE QTRLY TAX) | | |
| AP Trx #: 105453 | | | | | |
| | | OTHER | 100-5521-539900 | 485.75 | |
| | | OTHER | 100-5160-539900 | 50.52 | |
| | | OTHER | 440-5511-539900 | 92.16 | |
| | | OTHER | 440-5511-539900 | 65.15 | |
| | | Vnd: 0151 Invoice: 1ST QTR 2025 | 100-0000-211000 | | 536.27 |
| | | Vnd: 0151 Invoice: 1ST QTR 2025 | 440-0000-211000 | | 157.31 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 693.58 | 693.58 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| | | | | 2,314.52 | 2,314.52 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 100-0000-211000 | | 1,174.99 |
| | | VOUCHERS PAYABLE | 150-0000-211000 | | 190.25 |
| | | VOUCHERS PAYABLE | 220-0000-211000 | | 150.00 |
| | | VOUCHERS PAYABLE | 240-0000-211000 | | 150.00 |
| | | VOUCHERS PAYABLE | 250-0000-211000 | | 150.00 |
| | | VOUCHERS PAYABLE | 260-0000-211000 | | 150.00 |
| | | VOUCHERS PAYABLE | 410-0000-211000 | | 2.16 |
| | | VOUCHERS PAYABLE | 440-0000-211000 | | 309.36 |
| | | VOUCHERS PAYABLE | 500-0000-211000 | | 1.08 |
| | | VOUCHERS PAYABLE | 610-0000-211000 | | 18.34 |
| | | VOUCHERS PAYABLE | 620-0000-211000 | | 18.34 |
| | | | TOTAL INCREASE IN PAYABI | | 2,314.52 |

INVOICE JOURNAL REPORT FOR VILLAGE OF MUKWONAGO
BANK CODE: GEN PAY BY: PAPER CHECK CHECK RUN DATES 04/02/2025 - 04/02/2025



| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | EAST TROY SCHOOL DISTRICT Invoice: APR 2025 SETTLEMENT Ref#: 69879(APRIL 2025 LOTTERY CREDIT) | | | |
| AP Trx #: 105437 | | | | | |
| | | EAST TROY SCHOOL TAX | 720-0000-246200 | 2,248.17 | |
| | | Vnd: 0022 Invoice: APR 2025 SETTLEMENT | 720-0000-211000 | | 2,248.17 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 2,248.17 | 2,248.17 |
| 04/02/2025 | AP | GATEWAY TECHNICAL COLLEGE Invoice: APR 2025 SETTLEMENT Ref#: 69880(APRIL 2025 LOTTERY CREDIT) | | | |
| AP Trx #: 105438 | | | | | |
| | | GATEWAY COLLEGE TAX | 720-0000-246300 | 181.70 | |
| | | Vnd: 0134 Invoice: APR 2025 SETTLEMENT | 720-0000-211000 | | 181.70 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 181.70 | 181.70 |
| 04/02/2025 | AP | MUKWONAGO AREA SCHOOLS Invoice: APR 2025 SETTLEMENT Ref#: 69876(APRIL 2025 LOTTERY CREDIT) | | | |
| AP Trx #: 105439 | | | | | |
| | | MUKWONAGO SCHOOL TAX | 720-0000-246000 | 152,055.51 | |
| | | Vnd: 0026 Invoice: APR 2025 SETTLEMENT | 720-0000-211000 | | 152,055.51 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 152,055.51 | 152,055.51 |
| 04/02/2025 | AP | PHANTOM LAKES MGMT DISTRICT Invoice: APR 2025 SETTLEMENT Ref#: 69875(APRIL 2025 LOTTERY CREDIT) | | | |
| AP Trx #: 105440 | | | | | |
| | | PHANTOM LAKES MGT DISTRICT TAX | 720-0000-245000 | 1,071.85 | |
| | | Vnd: 0029 Invoice: APR 2025 SETTLEMENT | 720-0000-211000 | | 1,071.85 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 1,071.85 | 1,071.85 |
| 04/02/2025 | AP | WALWORTH CTY TREASURER Invoice: APR 2025 SETTLEMENT Ref#: 69881(APRIL 2025 LOTTERY CREDIT) | | | |
| AP Trx #: 105441 | | | | | |
| | | WALWORTH COUNTY TAX | 720-0000-243110 | 707.22 | |
| | | Vnd: 0032 Invoice: APR 2025 SETTLEMENT | 720-0000-211000 | | 707.22 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 707.22 | 707.22 |
| 04/02/2025 | AP | WAUKESHA CTY TREASURER Invoice: AP 2025 SETTLEMENT Ref#: 69878(APRIL 2025 LOTTERY CREDIT) | | | |
| AP Trx #: 105442 | | | | | |
| | | WAUKESHA COUNTY TAX | 720-0000-243100 | 35,246.27 | |
| | | Vnd: 0033 Invoice: AP 2025 SETTLEMENT | 720-0000-211000 | | 35,246.27 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 35,246.27 | 35,246.27 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WCTC Invoice: APR 2025 SETTLEMENT Ref#: 69877(APRIL 2025 LOTTERY CREDIT) | | | |
| AP Trx #: 105443 | | | | | |
| | | WAUKESHA TECH COLLEGE TAX | 720-0000-246100 | 6,723.77 | |
| | | Vnd: 0031 Invoice: APR 2025 SETTLEMENT | 720-0000-211000 | | 6,723.77 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 6,723.77 | 6,723.77 |
| | | | | 198,234.49 | 198,234.49 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 720-0000-211000 | | 198,234.49 |
| | | | TOTAL INCREASE IN PAYABI | | 198,234.49 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69825(0700126680-00001 Digester Gas) | | |
| AP Trx #: 105457 | | | | | |
| | | 0700126680-00001 Digester Gas | 620-8010-821200 | 653.17 | |
| | | Vnd: 0034 Invoice: 5421763545 | 620-0000-211000 | | 653.17 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 653.17 | 653.17 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69826(0700126680-00002 Well #3 Elec) | | |
| AP Trx #: 105458 | | | | | |
| | | 0700126680-00002 Well #3 Elec | 610-6200-662200 | 1,643.29 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 1,643.29 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 1,643.29 | 1,643.29 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69827(0700126680-00003 Street Lights) | | |
| AP Trx #: 105459 | | | | | |
| | | 0700126680-00003 Street Lights | 100-5342-522200 | 3,733.10 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 3,733.10 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 3,733.10 | 3,733.10 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69828(0700126680-00004 Greenwald) | | |
| AP Trx #: 105460 | | | | | |
| | | 0700126680-00004 Greenwald | 610-6200-662200 | 292.70 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 292.70 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 292.70 | 292.70 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69829(0700126680-00005 Booster Station) | | |
| AP Trx #: 105461 | | | | | |
| | | 0700126680-00005 Booster Station | 610-6200-662200 | 852.85 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 852.85 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 852.85 | 852.85 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69830(0700126680-00006 Field Park) | | |
| AP Trx #: 105462 | | | | | |
| | | 0700126680-00006 Field Park | 100-5521-522200 | 76.04 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 76.04 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 76.04 | 76.04 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69831(0700126680-00007 1240 N. Rochester) | | | |
| AP Trx #: 105463 | | | | | |
| | | 0700126680-00007 1240 N. Rochester | 620-8020-821000 | 166.15 | |
| | | Vnd: 0034 Invoice: 5421763545 | 620-0000-211000 | | 166.15 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 166.15 | 166.15 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69832(0700126680-00008 Police Garage) | | | |
| AP Trx #: 105464 | | | | | |
| | | 0700126680-00008 Police Garage | 100-5211-522200 | 111.11 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 111.11 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 111.11 | 111.11 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69833(0700126680-00009 Fld Prk Baseball Lights | | | |
| AP Trx #: 105465 | | | | | |
| | | 0700126680-00009 Fld Prk Baseball Lights | 100-5521-522200 | 22.63 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 22.63 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 22.63 | 22.63 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69834(0700126680-000010 Fox River View) | | | |
| AP Trx #: 105466 | | | | | |
| | | 0700126680-000010 Fox River View | 620-8020-821000 | 228.07 | |
| | | Vnd: 0034 Invoice: 5421763545 | 620-0000-211000 | | 228.07 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 228.07 | 228.07 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69835(0700126680-000011 DPW Elec) | | | |
| AP Trx #: 105467 | | | | | |
| | | 0700126680-000011 DPW Elec | 100-5323-522200 | 547.05 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 547.05 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 547.05 | 547.05 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69836(0700126680-000012 Fire) | | | |
| AP Trx #: 105468 | | | | | |
| | | 0700126680-000012 Fire | 150-5221-522200 | 1,972.45 | |
| | | Vnd: 0034 Invoice: 5421763545 | 150-0000-211000 | | 1,972.45 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 1,972.45 | 1,972.45 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69837(0700126680-000013 police-CTH E N of Sugd | | |
| AP Trx #: 105469 | | | | | |
| | | 0700126680-000013 police-CTH E N of Sugd | 100-5211-522200 | 22.98 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 22.98 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 22.98 | 22.98 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69838(0700126680-000014 Hall) | | |
| AP Trx #: 105470 | | | | | |
| | | 0700126680-000014 Hall | 100-5160-522200 | 1,429.40 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 1,429.40 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 1,429.40 | 1,429.40 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69839(0700126680-000014 Hall Gas) | | |
| AP Trx #: 105471 | | | | | |
| | | 0700126680-000014 Hall Gas | 100-5160-522400 | 323.78 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 323.78 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 323.78 | 323.78 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69840(0700126680-000016 Miniwauken Park) | | |
| AP Trx #: 105472 | | | | | |
| | | 0700126680-000016 Miniwauken Park | 100-5521-522200 | 39.33 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 39.33 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 39.33 | 39.33 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69841(0700126680-000017 Holz Elec) | | |
| AP Trx #: 105473 | | | | | |
| | | 0700126680-000017 Holz Elec | 620-8010-821100 | 10,449.56 | |
| | | Vnd: 0034 Invoice: 5421763545 | 620-0000-211000 | | 10,449.56 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 10,449.56 | 10,449.56 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69842(0700126680-000018 Parks) | | |
| AP Trx #: 105474 | | | | | |
| | | 0700126680-000018 Parks | 100-5521-522200 | 20.39 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 20.39 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 20.39 | 20.39 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69843(0700126680-000019 Atkinson Pump) | | | |
| AP Trx #: 105475 | | | | | |
| | | 0700126680-000019 Atkinson Pump | 620-8020-821000 | 543.00 | |
| | | Vnd: 0034 Invoice: 5421763545 | 620-0000-211000 | | 543.00 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 543.00 | 543.00 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69844(0700126680-000020 Well #6) | | | |
| AP Trx #: 105476 | | | | | |
| | | 0700126680-000020 Well #6 | 610-6200-662200 | 1,223.85 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 1,223.85 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 1,223.85 | 1,223.85 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69845(0700126680-000021 DPW Gas) | | | |
| AP Trx #: 105477 | | | | | |
| | | 0700126680-000021 DPW Gas | 100-5323-522400 | 453.54 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 453.54 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 453.54 | 453.54 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69846(0700126680-000022 Concession Building) | | | |
| AP Trx #: 105478 | | | | | |
| | | 0700126680-000022 Concession Building | 100-5521-522200 | 84.60 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 84.60 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 84.60 | 84.60 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69847(0700126680-000023 Well #3 Gas) | | | |
| AP Trx #: 105479 | | | | | |
| | | 0700126680-000023 Well #3 Gas | 610-6200-662200 | 10.23 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 10.23 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 10.23 | 10.23 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69848(0700126680-000024 Parks-200 S Rochester) | | | |
| AP Trx #: 105480 | | | | | |
| | | 0700126680-000024 Parks-200 S Rochester | 100-5342-522200 | 26.76 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 26.76 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 26.76 | 26.76 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69849(0700126680-000025 Tower) | | |
| AP Trx #: 105481 | | | | | |
| | | 0700126680-000025 Tower | 610-6200-662200 | 27.99 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 27.99 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 27.99 | 27.99 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69850(0700126680-000027 Police) | | |
| AP Trx #: 105482 | | | | | |
| | | 0700126680-000027 Police | 100-5211-522200 | 1,810.70 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 1,810.70 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 1,810.70 | 1,810.70 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69851(0700126680-000028 Miniwaukan Pavilion) | | |
| AP Trx #: 105483 | | | | | |
| | | 0700126680-000028 Miniwaukan Pavilion | 100-5521-522200 | 24.53 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 24.53 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 24.53 | 24.53 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69852(0700126680-000029 F. Park Sump Pump) | | |
| AP Trx #: 105484 | | | | | |
| | | 0700126680-000029 F. Park Sump Pump | 100-5521-522200 | 20.92 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 20.92 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 20.92 | 20.92 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69853(0700126680-00030 Andrews Street) | | |
| AP Trx #: 105485 | | | | | |
| | | 0700126680-00030 Andrews Street | 100-5521-522200 | 121.48 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 121.48 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 121.48 | 121.48 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69854(0700126680-000031 Holz Gas) | | |
| AP Trx #: 105486 | | | | | |
| | | 0700126680-000031 Holz Gas | 620-8010-821200 | 367.67 | |
| | | Vnd: 0034 Invoice: 5421763545 | 620-0000-211000 | | 367.67 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 367.67 | 367.67 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69855(0700126680-000032 Well #4 Elec) | | |
| AP Trx #: 105487 | | | | | |
| | | 0700126680-000032 Well #4 Elec | 610-6200-662200 | 3,668.08 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 3,668.08 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 3,668.08 | 3,668.08 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69856(0700126680-000033 Parks) | | |
| AP Trx #: 105488 | | | | | |
| | | 0700126680-000033 Parks | 100-5521-522200 | 30.55 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 30.55 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 30.55 | 30.55 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69857(0700126680-000034 Street Lights) | | |
| AP Trx #: 105489 | | | | | |
| | | 0700126680-000034 Street Lights | 100-5342-522200 | 79.09 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 79.09 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 79.09 | 79.09 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69858(0700126680-000036 Flashers) | | |
| AP Trx #: 105490 | | | | | |
| | | 0700126680-000036 Flashers | 100-5211-522200 | 11.20 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 11.20 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 11.20 | 11.20 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69859(0700126680-000037 Well #4 Gas) | | |
| AP Trx #: 105491 | | | | | |
| | | 0700126680-000037 Well #4 Gas | 610-6200-662200 | 71.52 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 71.52 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 71.52 | 71.52 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69860(0700126680-000038 Museum) | | |
| AP Trx #: 105492 | | | | | |
| | | 0700126680-000038 Museum | 100-5512-522200 | 331.20 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 331.20 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 331.20 | 331.20 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69861(0700126680-000039 Well #5) | | |
| AP Trx #: 105493 | | | | | |
| | | 0700126680-000039 Well #5 | 610-6200-662200 | 2,347.25 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 2,347.25 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 2,347.25 | 2,347.25 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69862(0700126680-00043 Outdoor Stage) | | |
| AP Trx #: 105494 | | | | | |
| | | 0700126680-00043 Outdoor Stage | 100-5521-522200 | 43.98 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 43.98 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 43.98 | 43.98 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69863(0700126680-00048 Miniwauken Park) | | |
| AP Trx #: 105495 | | | | | |
| | | 0700126680-00048 Miniwauken Park | 100-5521-522200 | 19.02 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 19.02 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 19.02 | 19.02 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69865(0709449777-00002 Library Elec) | | |
| AP Trx #: 105496 | | | | | |
| | | 0709449777-00002 Library Elec | 440-5511-522200 | 2,417.43 | |
| | | Vnd: 0034 Invoice: 5421763545 | 440-0000-211000 | | 2,417.43 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 2,417.43 | 2,417.43 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69866(0712697628-00001 Tower Radio Bldg) | | |
| AP Trx #: 105497 | | | | | |
| | | 0712697628-00001 Tower Radio Bldg | 100-5211-522200 | 31.75 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 31.75 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 31.75 | 31.75 |
| 04/02/2025 | AP | WE ENERGIES | Invoice: 5421763545 Ref#: 69867(0712697628-00002 Mukw Dam) | | |
| AP Trx #: 105498 | | | | | |
| | | 0712697628-00002 Mukw Dam | 100-5254-522200 | 24.53 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 24.53 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 24.53 | 24.53 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69868(0712697628-00003 PD Tower meter #05662) | | | |
| AP Trx #: 105499 | | | | | |
| | | 0712697628-00003 PD Tower meter #05662 | 100-5211-522200 | 21.95 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 21.95 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 21.95 | 21.95 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69869(0712697628-00004 1224 Riverton) | | | |
| AP Trx #: 105500 | | | | | |
| | | 0712697628-00004 1224 Riverton | 620-8020-821000 | 137.93 | |
| | | Vnd: 0034 Invoice: 5421763545 | 620-0000-211000 | | 137.93 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 137.93 | 137.93 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69870(0712697628-00006 Well #7) | | | |
| AP Trx #: 105501 | | | | | |
| | | 0712697628-00006 Well #7 | 610-6200-662200 | 613.90 | |
| | | Vnd: 0034 Invoice: 5421763545 | 610-0000-211000 | | 613.90 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 613.90 | 613.90 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69871(0712697628-00007 School Crossing Lights) | | | |
| AP Trx #: 105502 | | | | | |
| | | 0712697628-00007 School Crossing Lights | 100-5342-522200 | 15.75 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 15.75 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 15.75 | 15.75 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5421763545 Ref#: 69872(0712697628-00008 Field Park Signage) | | | |
| AP Trx #: 105503 | | | | | |
| | | 0712697628-00008 Field Park Signage | 100-5521-522200 | 47.94 | |
| | | Vnd: 0034 Invoice: 5421763545 | 100-0000-211000 | | 47.94 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 47.94 | 47.94 |
| 04/02/2025 | AP | WE ENERGIES Invoice: 5419533103 Ref#: 69873(0700126680-00015 STREET LIGHTS) | | | |
| AP Trx #: 105504 | | | | | |
| | | 0700126680-00015 STREET LIGHTS | 100-5342-522200 | 10,763.05 | |
| | | Vnd: 0034 Invoice: 5419533103 | 100-0000-211000 | | 10,763.05 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 10,763.05 | 10,763.05 |

INVOICE JOURNAL REPORT FOR VILLAGE OF MUKWONAGO
BANK CODE: GEN PAY BY: PAPER CHECK CHECK RUN DATES 04/02/2025 - 04/02/2025



| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/02/2025 | AP | WE ENERGIES Invoice: 5416109215 Ref#: 69874(HOLIDAY FESTIVE LIGHTING ELECTRICITY) | | | |
| AP Trx #: 105505 | | | | | |
| | | ELECTRIC | 100-5522-522200 | 600.00 | |
| | | Vnd: 0034 Invoice: 5416109215 | 100-0000-211000 | | 600.00 |
| | | Expected Check Run: 04/02/2025 | | | |
| | | | | 600.00 | 600.00 |
| | | | | 48,575.44 | 48,575.44 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 100-0000-211000 | | 20,888.35 |
| | | VOUCHERS PAYABLE | 150-0000-211000 | | 1,972.45 |
| | | VOUCHERS PAYABLE | 440-0000-211000 | | 2,417.43 |
| | | VOUCHERS PAYABLE | 610-0000-211000 | | 10,751.66 |
| | | VOUCHERS PAYABLE | 620-0000-211000 | | 12,545.55 |
| | | | TOTAL INCREASE IN PAYABL | | 48,575.44 |

INVOICE JOURNAL REPORT FOR VILLAGE OF MUKWONAGO
BANK CODE: GEN PAY BY: EFT TRANSFER CHECK RUN DATES 04/08/2025 - 04/08/2025



| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/08/2025 | AP | INVOICE CLOUD | Invoice: 1743-2025-3 Ref#: 69909(INVOICE CLOUD MONTHLY FEES - MARCH 202 | | |
| AP Trx #: 105645 | | | | | |
| | | INVOICE CLOUD CC FEES MR | 100-5142-539900 | 8.06 | |
| | | INVOICE CLOUD CC FEES BUILDING | 100-5241-539900 | 93.55 | |
| | | INVOICE CLOUD CC FEES UTILITIES | 410-5363-539900 | 119.66 | |
| | | INVOICE CLOUD CC FEES UTILITIES | 610-6920-692100 | 119.67 | |
| | | INVOICE CLOUD CC FEES UTILITIES | 620-8300-840000 | 119.66 | |
| | | Vnd: 2921 Invoice: 1743-2025-3 | 100-0000-211000 | | 101.61 |
| | | Vnd: 2921 Invoice: 1743-2025-3 | 410-0000-211000 | | 119.66 |
| | | Vnd: 2921 Invoice: 1743-2025-3 | 610-0000-211000 | | 119.67 |
| | | Vnd: 2921 Invoice: 1743-2025-3 | 620-0000-211000 | | 119.66 |
| | | Expected Check Run: 04/08/2025 | | | |
| | | | | 460.60 | 460.60 |
| | | | | 460.60 | 460.60 |

Cash/Payable Account Totals:

| | | | |
|---|---|---|---|
| VOUCHERS PAYABLE | 100-0000-211000 | | 101.61 |
| VOUCHERS PAYABLE | 410-0000-211000 | | 119.66 |
| VOUCHERS PAYABLE | 610-0000-211000 | | 119.67 |
| VOUCHERS PAYABLE | 620-0000-211000 | | 119.66 |
| | GRAND TOTAL: | | 460.60 |

INVOICE JOURNAL REPORT FOR VILLAGE OF MUKWONAGO
BANK CODE: GEN PAY BY: EFT TRANSFER CHECK RUN DATES 04/09/2025 - 04/09/2025



| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/09/2025 | AP | GREAT WEST RETIREMENT SERVICES | Invoice: PO 041125 Ref#: 69944(RETIREMENT GW PR 04-11-25) | | |
| AP Trx #: 105647 | | | | | |
| | | GW DEF COMP PR 04/11/25 | 100-0000-215250 | 794.42 | |
| | | GW DEF COMP PR 04/11/25 | 150-0000-215250 | 2,642.36 | |
| | | Vnd: 0005 Invoice: PO 041125 | 100-0000-211000 | | 794.42 |
| | | Vnd: 0005 Invoice: PO 041125 | 150-0000-211000 | | 2,642.36 |
| | | Expected Check Run: 04/09/2025 | | | |
| | | | | 3,436.78 | 3,436.78 |
| 04/09/2025 | AP | MISSION SQUARE | Invoice: PR041125 Ref#: 69943(RETIREMENT MS/ICMA PR 04/11/2025 305155) | | |
| AP Trx #: 105648 | | | | | |
| | | MS / ICMA DEF COMP PR 04/11/2025 | 100-0000-215250 | 4,037.61 | |
| | | MS / ICMA DEF COMP PR 04/11/2025 | 150-0000-215250 | 54.04 | |
| | | MS / ICMA DEF COMP PR 04/11/2025 | 440-0000-215250 | 1,014.47 | |
| | | MS / ICMA DEF COMP PR 04/11/2025 | 610-0000-215250 | 181.29 | |
| | | MS / ICMA DEF COMP PR 04/11/2025 | 620-0000-215250 | 272.97 | |
| | | Vnd: 0010 Invoice: PR041125 | 100-0000-211000 | | 4,037.61 |
| | | Vnd: 0010 Invoice: PR041125 | 150-0000-211000 | | 54.04 |
| | | Vnd: 0010 Invoice: PR041125 | 440-0000-211000 | | 1,014.47 |
| | | Vnd: 0010 Invoice: PR041125 | 610-0000-211000 | | 181.29 |
| | | Vnd: 0010 Invoice: PR041125 | 620-0000-211000 | | 272.97 |
| | | Expected Check Run: 04/09/2025 | | | |
| | | | | 5,560.38 | 5,560.38 |
| | | | | 8,997.16 | 8,997.16 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 100-0000-211000 | | 4,832.03 |
| | | VOUCHERS PAYABLE | 150-0000-211000 | | 2,696.40 |
| | | VOUCHERS PAYABLE | 440-0000-211000 | | 1,014.47 |
| | | VOUCHERS PAYABLE | 610-0000-211000 | | 181.29 |
| | | VOUCHERS PAYABLE | 620-0000-211000 | | 272.97 |
| | | | TOTAL INCREASE IN PAYABI | | 8,997.16 |

INVOICE JOURNAL REPORT FOR VILLAGE OF MUKWONAGO
BANK CODE: GEN PAY BY: PAPER CHECK CHECK RUN DATES 04/09/2025 - 04/09/2025



| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/09/2025 | AP | SECURIAN FINANCIAL GROUP INC | Invoice: 002832L-APR25 Ref#: 69945(MAY 2025 LIFE INSURANCE PREM) | | |
| AP Trx #: 105651 | | | | | |
| | | MAY 2025 LIFE INSURANCE | 100-0000-215301 | 1,354.99 | |
| | | MAY 2025 LIFE INSURANCE | 150-0000-215301 | 236.73 | |
| | | MAY 2025 LIFE INSURANCE | 440-0000-215301 | 104.38 | |
| | | MAY 2025 LIFE INSURANCE | 610-0000-215301 | 44.78 | |
| | | MAY 2025 LIFE INSURANCE | 620-0000-215301 | 183.87 | |
| | | Vnd: 3136 Invoice: 002832L-APR25 | 100-0000-211000 | | 1,354.99 |
| | | Vnd: 3136 Invoice: 002832L-APR25 | 150-0000-211000 | | 236.73 |
| | | Vnd: 3136 Invoice: 002832L-APR25 | 440-0000-211000 | | 104.38 |
| | | Vnd: 3136 Invoice: 002832L-APR25 | 610-0000-211000 | | 44.78 |
| | | Vnd: 3136 Invoice: 002832L-APR25 | 620-0000-211000 | | 183.87 |
| | | Expected Check Run: 04/09/2025 | | | |
| | | | | 1,924.75 | 1,924.75 |
| 04/09/2025 | AP | SECURIAN FINANCIAL GROUP INC | Invoice: 76038-APR2025 Ref#: 69946(APR 2025 ACCIDENT INSURANCE) | | |
| AP Trx #: 105652 | | | | | |
| | | APRIL 2025 ACCIDENT INSURANCE | 100-0000-215305 | 74.58 | |
| | | APRIL 2025 ACCIDENT INSURANCE | 150-0000-215305 | 11.18 | |
| | | APRIL 2025 ACCIDENT INSURANCE | 440-0000-215305 | 3.72 | |
| | | Vnd: 3136 Invoice: 76038-APR2025 | 100-0000-211000 | | 74.58 |
| | | Vnd: 3136 Invoice: 76038-APR2025 | 150-0000-211000 | | 11.18 |
| | | Vnd: 3136 Invoice: 76038-APR2025 | 440-0000-211000 | | 3.72 |
| | | Expected Check Run: 04/09/2025 | | | |
| | | | | 89.48 | 89.48 |
| | | | | 2,014.23 | 2,014.23 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 100-0000-211000 | | 1,429.57 |
| | | VOUCHERS PAYABLE | 150-0000-211000 | | 247.91 |
| | | VOUCHERS PAYABLE | 440-0000-211000 | | 108.10 |
| | | VOUCHERS PAYABLE | 610-0000-211000 | | 44.78 |
| | | VOUCHERS PAYABLE | 620-0000-211000 | | 183.87 |
| | | | TOTAL INCREASE IN PAYABL | | 2,014.23 |

INVOICE JOURNAL REPORT FOR VILLAGE OF MUKWONAGO
BANK CODE: GEN PAY BY: EFT TRANSFER CHECK RUN DATES 04/09/2025 - 04/09/2025



| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/09/2025 | AP | KNIGHT BARRY TITLE INC Invoice: 2277527 Ref#: 69949(WE ENERGIES PROPERTY PURCHASE) | | | |
| AP Trx #: 105655 | | | | | |
| | | LAND ACQUISITION / DISPOSITION | 810-5700-589600 | 137,535.00 | |
| | | Vnd: 2332 Invoice: 2277527 | 810-0000-211000 | | 137,535.00 |
| | | Expected Check Run: 04/09/2025 | | | |
| | | | | 137,535.00 | 137,535.00 |
| | | | | 137,535.00 | 137,535.00 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 810-0000-211000 | | 137,535.00 |
| | | | GRAND TOTAL: | | 137,535.00 |

INVOICE JOURNAL REPORT FOR VILLAGE OF MUKWONAGO
BANK CODE: GEN PAY BY: PAPER CHECK CHECK RUN DATES 04/10/2025 - 04/10/2025



| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/10/2025 | AP | TREASURER STATE OF WI | Invoice: MARCH 2025 Ref#: 69950(MARCH 2025 COURT FINES & FEES) | | |
| AP Trx #: 105657 | | | | | |
| | | MARCH 2025 COURT FINES & FEES | 100-0000-242400 | 5,147.49 | |
| | | Vnd: 0222 Invoice: MARCH 2025 | 100-0000-211000 | | 5,147.49 |
| | | Expected Check Run: 04/10/2025 | | | |
| | | | | 5,147.49 | 5,147.49 |
| 04/10/2025 | AP | TREASURER WAUKESHA COUNTY | Invoice: MARCH 2025 Ref#: 69951(MARCH 2025 COURT FINES & FEES) | | |
| AP Trx #: 105658 | | | | | |
| | | MARCH 2025 COURT FINES & FEES | 100-0000-243240 | 1,549.80 | |
| | | Vnd: 0223 Invoice: MARCH 2025 | 100-0000-211000 | | 1,549.80 |
| | | Expected Check Run: 04/10/2025 | | | |
| | | | | 1,549.80 | 1,549.80 |
| | | | | 6,697.29 | 6,697.29 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 100-0000-211000 | | 6,697.29 |
| | | | TOTAL INCREASE IN PAYABL | | 6,697.29 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/11/2025 | AP | ALSCO | Invoice: IMIL2103430 Ref#: 69701(MATS & DUSTERS) | | |
| AP Trx #: 105661 | | | | | |
| | | OUTSIDE SERVICES | 440-5511-531000 | 95.56 | |
| | | Vnd: 2950 Invoice: IMIL2103430 | 440-0000-211000 | | 95.56 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 95.56 | 95.56 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1VDK-CXXQ-PPTH Ref#: 69792(DVDS) | | |
| AP Trx #: 105662 | | | | | |
| | | AV MATERIAL | 440-5700-532900 | 514.06 | |
| | | Vnd: 3189 Invoice: 1VDK-CXXQ-PPTH | 440-0000-211000 | | 514.06 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 514.06 | 514.06 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1CFY-WWQ3-YKKJ Ref#: 69793(YS PROGRAM SUPPLIES) | | |
| AP Trx #: 105663 | | | | | |
| | | PROGRAMMING | 440-5511-533100 | 487.25 | |
| | | Vnd: 3189 Invoice: 1CFY-WWQ3-YKKJ | 440-0000-211000 | | 487.25 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 487.25 | 487.25 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1YXY-GD6D-MWQ4 Ref#: 69794(PROGRAM SUPPLIES) | | |
| AP Trx #: 105664 | | | | | |
| | | METASPACE MAINTENANCE | 440-5511-531700 | 116.27 | |
| | | Vnd: 3189 Invoice: 1YXY-GD6D-MWQ4 | 440-0000-211000 | | 116.27 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 116.27 | 116.27 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1347-ND3J-TK3D Ref#: 69795(YS DVDS) | | |
| AP Trx #: 105665 | | | | | |
| | | AV MATERIAL | 440-5700-532900 | 39.90 | |
| | | Vnd: 3189 Invoice: 1347-ND3J-TK3D | 440-0000-211000 | | 39.90 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 39.90 | 39.90 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1PLH-4VKV-MNLY Ref#: 69796(BOOKS) | | |
| AP Trx #: 105666 | | | | | |
| | | BOOKS | 440-5700-532800 | 77.53 | |
| | | Vnd: 3189 Invoice: 1PLH-4VKV-MNLY | 440-0000-211000 | | 77.53 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 77.53 | 77.53 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1FN6-3WFV-N34D Ref#: 69797(MIR PROGRAM SUPPLIES) | | |
| AP Trx #: 105667 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 59.99 | |
| | | Vnd: 3189 Invoice: 1FN6-3WFV-N34D | 440-0000-211000 | | 59.99 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 59.99 | 59.99 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1PLH-4VKV-LPCN Ref#: 69798(DVD CASES) | | |
| AP Trx #: 105668 | | | | | |
| | | COLLECTION MAINTENANCE & REPAIR | 440-5511-531600 | 73.16 | |
| | | Vnd: 3189 Invoice: 1PLH-4VKV-LPCN | 440-0000-211000 | | 73.16 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 73.16 | 73.16 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 14WK-CW4N-MDFD Ref#: 69799(GREAT GATSBY) | | |
| AP Trx #: 105669 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 5.00 | |
| | | Vnd: 3189 Invoice: 14WK-CW4N-MDFD | 440-0000-211000 | | 5.00 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 5.00 | 5.00 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1H93-RFH3-T11R Ref#: 69800(GENERAL SUPPLIES) | | |
| AP Trx #: 105670 | | | | | |
| | | OPERATIONAL SUPPLIES | 440-5511-531100 | 23.86 | |
| | | Vnd: 3189 Invoice: 1H93-RFH3-T11R | 440-0000-211000 | | 23.86 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 23.86 | 23.86 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1YNW-NN9G-VTYQ Ref#: 69801(BOOKS) | | |
| AP Trx #: 105671 | | | | | |
| | | BOOKS | 440-5700-532800 | 650.38 | |
| | | Vnd: 3189 Invoice: 1YNW-NN9G-VTYQ | 440-0000-211000 | | 650.38 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 650.38 | 650.38 |
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1R9G-TV9W-KMY6 Ref#: 69802(BAGS) | | |
| AP Trx #: 105672 | | | | | |
| | | OUTREACH | 440-5511-533300 | 26.77 | |
| | | Vnd: 3189 Invoice: 1R9G-TV9W-KMY6 | 440-0000-211000 | | 26.77 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 26.77 | 26.77 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/11/2025 | AP | AMAZON CAPITOL SERVICES | Invoice: 1MX4-LJ46-VL47 Ref#: 69803(ADULT PROGRAM SUPPLIES) | | |
| AP Trx #: 105673 | | | | | |
| | | PROGRAMMING | 440-5511-533100 | 220.50 | |
| | | Vnd: 3189 Invoice: 1MX4-LJ46-VL47 | 440-0000-211000 | | 220.50 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 220.50 | 220.50 |
| 04/11/2025 | AP | AMERICA AQUARIA | Invoice: 56721 Ref#: 69746(MARCH FISH TANK MAINTENANCE) | | |
| AP Trx #: 105674 | | | | | |
| | | OUTSIDE SERVICES | 440-5511-531000 | 85.00 | |
| | | Vnd: 1792 Invoice: 56721 | 440-0000-211000 | | 85.00 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 85.00 | 85.00 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038925564 Ref#: 69707(BOOKS) | | |
| AP Trx #: 105675 | | | | | |
| | | BOOKS | 440-5700-532800 | 10.27 | |
| | | Vnd: 0044 Invoice: 2038925564 | 440-0000-211000 | | 10.27 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 10.27 | 10.27 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038925565 Ref#: 69708(BOOKS) | | |
| AP Trx #: 105676 | | | | | |
| | | BOOKS | 440-5700-532800 | 179.86 | |
| | | Vnd: 0044 Invoice: 2038925565 | 440-0000-211000 | | 179.86 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 179.86 | 179.86 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038925566 Ref#: 69709(BOOKS) | | |
| AP Trx #: 105677 | | | | | |
| | | BOOKS | 440-5700-532800 | 13.52 | |
| | | Vnd: 0044 Invoice: 2038925566 | 440-0000-211000 | | 13.52 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 13.52 | 13.52 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038925567 Ref#: 69710(BOOKS) | | |
| AP Trx #: 105678 | | | | | |
| | | BOOKS | 440-5700-532800 | 690.05 | |
| | | Vnd: 0044 Invoice: 2038925567 | 440-0000-211000 | | 690.05 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 690.05 | 690.05 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038916325 Ref#: 69711(BOOKS) | | |
| AP Trx #: 105679 | | | | | |
| | | BOOKS | 440-5700-532800 | 16.31 | |
| | | Vnd: 0044 Invoice: 2038916325 | 440-0000-211000 | | 16.31 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 16.31 | 16.31 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038916326 Ref#: 69712(BOOKS) | | |
| AP Trx #: 105680 | | | | | |
| | | BOOKS | 440-5700-532800 | 754.02 | |
| | | Vnd: 0044 Invoice: 2038916326 | 440-0000-211000 | | 754.02 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 754.02 | 754.02 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038916327 Ref#: 69713(BOOKS) | | |
| AP Trx #: 105681 | | | | | |
| | | BOOKS | 440-5700-532800 | 44.54 | |
| | | Vnd: 0044 Invoice: 2038916327 | 440-0000-211000 | | 44.54 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 44.54 | 44.54 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038916328 Ref#: 69714(BOOKS) | | |
| AP Trx #: 105682 | | | | | |
| | | BOOKS | 440-5700-532800 | 205.39 | |
| | | Vnd: 0044 Invoice: 2038916328 | 440-0000-211000 | | 205.39 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 205.39 | 205.39 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038936353 Ref#: 69715(BOOKS) | | |
| AP Trx #: 105683 | | | | | |
| | | BOOKS | 440-5700-532800 | 16.31 | |
| | | Vnd: 0044 Invoice: 2038936353 | 440-0000-211000 | | 16.31 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 16.31 | 16.31 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038936354 Ref#: 69716(BOOKS) | | |
| AP Trx #: 105684 | | | | | |
| | | BOOKS | 440-5700-532800 | 184.43 | |
| | | Vnd: 0044 Invoice: 2038936354 | 440-0000-211000 | | 184.43 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 184.43 | 184.43 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038936355 Ref#: 69717(BOOKS) | | |
| AP Trx #: 105685 | | | | | |
| | | BOOKS | 440-5700-532800 | 10.84 | |
| | | Vnd: 0044 Invoice: 2038936355 | 440-0000-211000 | | 10.84 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 10.84 | 10.84 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038936356 Ref#: 69718(BOOKS) | | |
| AP Trx #: 105686 | | | | | |
| | | BOOKS | 440-5700-532800 | 230.58 | |
| | | Vnd: 0044 Invoice: 2038936356 | 440-0000-211000 | | 230.58 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 230.58 | 230.58 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038952961 Ref#: 69719(BOOKS) | | |
| AP Trx #: 105687 | | | | | |
| | | BOOKS | 440-5700-532800 | 158.28 | |
| | | Vnd: 0044 Invoice: 2038952961 | 440-0000-211000 | | 158.28 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 158.28 | 158.28 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038952962 Ref#: 69720(BOOKS) | | |
| AP Trx #: 105688 | | | | | |
| | | BOOKS | 440-5700-532800 | 10.91 | |
| | | Vnd: 0044 Invoice: 2038952962 | 440-0000-211000 | | 10.91 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 10.91 | 10.91 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038952963 Ref#: 69721(BOOKS) | | |
| AP Trx #: 105689 | | | | | |
| | | BOOKS | 440-5700-532800 | 214.61 | |
| | | Vnd: 0044 Invoice: 2038952963 | 440-0000-211000 | | 214.61 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 214.61 | 214.61 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038954457 Ref#: 69722(BOOKS) | | |
| AP Trx #: 105690 | | | | | |
| | | BOOKS | 440-5700-532800 | 21.69 | |
| | | Vnd: 0044 Invoice: 2038954457 | 440-0000-211000 | | 21.69 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 21.69 | 21.69 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038972899 Ref#: 69811(BOOKS) | | |
| AP Trx #: 105691 | | | | | |
| | | BOOKS | 440-5700-532800 | 14.52 | |
| | | Vnd: 0044 Invoice: 2038972899 | 440-0000-211000 | | 14.52 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 14.52 | 14.52 |
| 04/11/2025 | AP | BAKER & TAYLOR INC. | Invoice: 2038972900 Ref#: 69812(BOOKS) | | |
| AP Trx #: 105692 | | | | | |
| | | BOOKS | 440-5700-532800 | 86.31 | |
| | | Vnd: 0044 Invoice: 2038972900 | 440-0000-211000 | | 86.31 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 86.31 | 86.31 |
| 04/11/2025 | AP | BERNSTEIN & ASSOCIATES, LLC | Invoice: 3096 Ref#: 69888(NAGPRA CONSULT) | | |
| AP Trx #: 105693 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 200.00 | |
| | | Vnd: 3268 Invoice: 3096 | 440-0000-211000 | | 200.00 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 200.00 | 200.00 |
| 04/11/2025 | AP | BLACKSTONE PUBLISHING | Invoice: 2190580 Ref#: 69725(AUDIO BOOKS) | | |
| AP Trx #: 105694 | | | | | |
| | | AV MATERIAL | 440-5700-532900 | 34.94 | |
| | | Vnd: 1107 Invoice: 2190580 | 440-0000-211000 | | 34.94 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 34.94 | 34.94 |
| 04/11/2025 | AP | BRIDGES LIBRARY SYSTEM | Invoice: 2025-13010062 Ref#: 69703(COOPERATIVE PURCHASE BILLING) | | |
| AP Trx #: 105695 | | | | | |
| | | OPERATIONAL SUPPLIES | 440-5511-531100 | 535.95 | |
| | | COLLECTION MAINTENANCE & REPAIR | 440-5511-531600 | 1,129.00 | |
| | | Vnd: 1900 Invoice: 2025-13010062 | 440-0000-211000 | | 1,664.95 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 1,664.95 | 1,664.95 |
| 04/11/2025 | AP | BRIDGES LIBRARY SYSTEM | Invoice: 2025-13010013 Ref#: 69730(CAFE SERVICES) | | |
| AP Trx #: 105696 | | | | | |
| | | CAF+¬ | 440-5511-534100 | 26,951.00 | |
| | | SHARED COUNTY DATABASES | 440-5511-534400 | 1,275.00 | |
| | | ELECTRONIC TOOLS & SERVICES | 440-5511-534000 | 441.00 | |
| | | DIGITAL COLLECTIONS | 440-5511-534900 | 4,330.00 | |
| | | Vnd: 1900 Invoice: 2025-13010013 | 440-0000-211000 | | 32,997.00 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 32,997.00 | 32,997.00 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/11/2025 | AP | BRIDGES LIBRARY SYSTEM | Invoice: 2025-13010039 Ref#: 69733(BOOKPAGE) | | |
| AP Trx #: 105697 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 422.40 | |
| | | Vnd: 1900 Invoice: 2025-13010039 | 440-0000-211000 | | 422.40 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 422.40 | 422.40 |
| 04/11/2025 | AP | BRODART | Invoice: B6953225 Ref#: 69723(BOOKS) | | |
| AP Trx #: 105698 | | | | | |
| | | BOOKS | 440-5700-532800 | 227.76 | |
| | | Vnd: 0987 Invoice: B6953225 | 440-0000-211000 | | 227.76 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 227.76 | 227.76 |
| 04/11/2025 | AP | BRODART | Invoice: B6953265 Ref#: 69724(BOOKS) | | |
| AP Trx #: 105699 | | | | | |
| | | BOOKS | 440-5700-532800 | 357.06 | |
| | | Vnd: 0987 Invoice: B6953265 | 440-0000-211000 | | 357.06 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 357.06 | 357.06 |
| 04/11/2025 | AP | BRODART | Invoice: B6956568 Ref#: 69813(BOOKS) | | |
| AP Trx #: 105700 | | | | | |
| | | BOOKS | 440-5700-532800 | 86.23 | |
| | | Vnd: 0987 Invoice: B6956568 | 440-0000-211000 | | 86.23 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 86.23 | 86.23 |
| 04/11/2025 | AP | COMPLETE OFFICE OF WISCONSIN | Invoice: 888866 Ref#: 69704(COPY PAPER) | | |
| AP Trx #: 105701 | | | | | |
| | | OPERATIONAL SUPPLIES | 440-5511-531100 | 110.98 | |
| | | Vnd: 3340 Invoice: 888866 | 440-0000-211000 | | 110.98 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 110.98 | 110.98 |
| 04/11/2025 | AP | COMPLETE OFFICE OF WISCONSIN | Invoice: 898886 Ref#: 69903(CLEANING SUPPLIES) | | |
| AP Trx #: 105702 | | | | | |
| | | OPERATIONAL SUPPLIES | 440-5511-531100 | 503.72 | |
| | | Vnd: 3340 Invoice: 898886 | 440-0000-211000 | | 503.72 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 503.72 | 503.72 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/11/2025 | AP | CREATESCAPE LANDSCAPING SERVICE INC | Invoice: 40381 Ref#: 69766(SPRING CLEANUP/PD BY MCADAMS) | | |
| AP Trx #: 105703 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 5,480.00 | |
| | | Vnd: 3297 Invoice: 40381 | 440-0000-211000 | | 5,480.00 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 5,480.00 | 5,480.00 |
| 04/11/2025 | AP | DEMCO INC | Invoice: 7616324 Ref#: 69705(BOOK COVERS & LABELS) | | |
| AP Trx #: 105704 | | | | | |
| | | COLLECTION MAINTENANCE & REPAIR | 440-5511-531600 | 173.74 | |
| | | Vnd: 0053 Invoice: 7616324 | 440-0000-211000 | | 173.74 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 173.74 | 173.74 |
| 04/11/2025 | AP | GREAT AMERICAN FINANCIAL SVCS. | Invoice: 38856177 Ref#: 69764(5/10/25-6/9/25 AGREEMENT) | | |
| AP Trx #: 105705 | | | | | |
| | | CONTRACTUAL SERVICES | 440-5511-522000 | 403.19 | |
| | | Vnd: 1290 Invoice: 38856177 | 440-0000-211000 | | 403.19 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 403.19 | 403.19 |
| 04/11/2025 | AP | IMPACT ACQUISITIONS, LLC | Invoice: 3448238 Ref#: 69700(COPIES 12/10/24-3/9/25) | | |
| AP Trx #: 105706 | | | | | |
| | | CONTRACTUAL SERVICES | 440-5511-522000 | 315.69 | |
| | | Vnd: 3192 Invoice: 3448238 | 440-0000-211000 | | 315.69 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 315.69 | 315.69 |
| 04/11/2025 | AP | KLASSY KLEANERS | Invoice: 1073 Ref#: 69889(WEEKEND CLEANING) | | |
| AP Trx #: 105707 | | | | | |
| | | OUTSIDE SERVICES | 440-5511-531000 | 1,080.00 | |
| | | Vnd: 3114 Invoice: 1073 | 440-0000-211000 | | 1,080.00 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 1,080.00 | 1,080.00 |
| 04/11/2025 | AP | MACY FIEHWEG | Invoice: MARCH Ref#: 69728(WLA EVENT) | | |
| AP Trx #: 105708 | | | | | |
| | | TRAINING & TRAVEL | 440-5511-533500 | 24.12 | |
| | | Vnd: 3365 Invoice: MARCH | 440-0000-211000 | | 24.12 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 24.12 | 24.12 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/11/2025 | AP | MIDWEST TAPE | Invoice: 506969948 Ref#: 69814(HOOPLA) | | |
| AP Trx #: 105709 | | | | | |
| | | DIGITAL COLLECTIONS | 440-5511-534900 | 879.31 | |
| | | Vnd: 0074 Invoice: 506969948 | 440-0000-211000 | | 879.31 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 879.31 | 879.31 |
| 04/11/2025 | AP | OLEARY PLUMBING & HEATING INC | Invoice: 109305 Ref#: 69765(REPLACE RO FILTERS) | | |
| AP Trx #: 105710 | | | | | |
| | | REPAIRS & MAINTENANCE | 440-5511-539500 | 300.59 | |
| | | Vnd: 0215 Invoice: 109305 | 440-0000-211000 | | 300.59 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 300.59 | 300.59 |
| 04/11/2025 | AP | PLAYAWAY PRODUCTS LLC | Invoice: 493119 Ref#: 69726(AC POWER ADAPTER) | | |
| AP Trx #: 105711 | | | | | |
| | | THINGERY COLLECTION | 440-5511-533000 | 224.85 | |
| | | Vnd: 3341 Invoice: 493119 | 440-0000-211000 | | 224.85 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 224.85 | 224.85 |
| 04/11/2025 | AP | RINDERLE DOOR CO | Invoice: 48106 Ref#: 69732(REPLACE DOOR CLOSER) | | |
| AP Trx #: 105712 | | | | | |
| | | REPAIRS & MAINTENANCE | 440-5511-539500 | 1,309.22 | |
| | | Vnd: 0086 Invoice: 48106 | 440-0000-211000 | | 1,309.22 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 1,309.22 | 1,309.22 |
| 04/11/2025 | AP | TAMMY O'CONNELL | Invoice: 442025 Ref#: 69908(AMERICA'S FUNNIEST PETS) | | |
| AP Trx #: 105713 | | | | | |
| | | PROGRAMMING | 440-5511-533100 | 100.00 | |
| | | Vnd: 3296 Invoice: 442025 | 440-0000-211000 | | 100.00 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 100.00 | 100.00 |
| 04/11/2025 | AP | THOMAS PRESS, INC. | Invoice: 1188-25 Ref#: 69727(RACK CARDS) | | |
| AP Trx #: 105714 | | | | | |
| | | OUTREACH | 440-5511-533300 | 126.00 | |
| | | Vnd: 3247 Invoice: 1188-25 | 440-0000-211000 | | 126.00 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 126.00 | 126.00 |

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|---|---|---|---|---|---|
| 04/11/2025 | AP | UNIQUE MANAGEMENT Invoice: 6137332 Ref#: 69702(PLACEMENTS) | | | |
| AP Trx #: 105715 | | | | | |
| | | OUTSIDE SERVICES | 440-5511-531000 | 19.70 | |
| | | Vnd: 0092 Invoice: 6137332 | 440-0000-211000 | | 19.70 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 19.70 | 19.70 |
| 04/11/2025 | AP | UNITED STATES ALLIANCE FIRE PROTECT Invoice: 1046-F149574 Ref#: 69893(INSTALL CELLULAR MONITORING /WCCF FUNI | | | |
| AP Trx #: 105716 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 1,896.00 | |
| | | Vnd: 0588 Invoice: 1046-F149574 | 440-0000-211000 | | 1,896.00 |
| | | Expected Check Run: 04/11/2025 | | | |
| | | | | 1,896.00 | 1,896.00 |
| | | | | 54,275.12 | 54,275.12 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 440-0000-211000 | | 54,275.12 |
| | | | TOTAL INCREASE IN PAYABL | | 54,275.12 |

INVOICE JOURNAL REPORT FOR VILLAGE OF MUKWONAGO
BANK CODE: GEN PAY BY: PAPER CHECK CHECK RUN DATES 04/23/2025 - 04/23/2025



| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/23/2025 | AP | AFLAC | Invoice: 723132 Ref#: 70149(ACCOUNT# V1553 APRIL 2025 SUPPLEMENTAL) | | |
| AP Trx #: 106006 | | | | | |
| | | APRIL 2025 SUPPLEMENTAL INS PAYABLE | 100-0000-215302 | 501.22 | |
| | | APRIL 2025 SUPPLEMENTAL INS PAYABLE | 150-0000-215302 | 307.72 | |
| | | APRIL 2025 SUPPLEMENTAL INS PAYABLE | 610-0000-215302 | 120.43 | |
| | | APRIL 2025 SUPPLEMENTAL INS PAYABLE | 620-0000-215302 | 112.95 | |
| | | Vnd: 0004 Invoice: 723132 | 100-0000-211000 | | 501.22 |
| | | Vnd: 0004 Invoice: 723132 | 150-0000-211000 | | 307.72 |
| | | Vnd: 0004 Invoice: 723132 | 610-0000-211000 | | 120.43 |
| | | Vnd: 0004 Invoice: 723132 | 620-0000-211000 | | 112.95 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 1,042.32 | 1,042.32 |
| 04/23/2025 | AP | MUKWONAGO PROFESSIONAL | Invoice: APRIL 2025 Ref#: 70152(APRIL 2025 FIRE UNION DUES) | | |
| AP Trx #: 106007 | | | | | |
| | | APRIL 2025 FIRE UNION DUES | 150-0000-215500 | 900.00 | |
| | | Vnd: 0017 Invoice: APRIL 2025 | 150-0000-211000 | | 900.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 900.00 | 900.00 |
| 04/23/2025 | AP | MUKWONAGO PROFESSIONAL POLICE | Invoice: APRIL 2025 Ref#: 70151(APRIL 2025 POLICE UNION DUES) | | |
| AP Trx #: 106008 | | | | | |
| | | APRIL 2025 POLICE UNION DUES | 100-0000-215500 | 550.00 | |
| | | Vnd: 0016 Invoice: APRIL 2025 | 100-0000-211000 | | 550.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 550.00 | 550.00 |
| 04/23/2025 | AP | VILLAGE OF MUKWONAGO MRA | Invoice: APRIL 2025 Ref#: 70150(APRIL 2025 FSA) | | |
| AP Trx #: 106009 | | | | | |
| | | APRIL 2025 FSA | 100-0000-215350 | 2,025.21 | |
| | | APRIL 2025 FSA | 150-0000-215350 | 970.91 | |
| | | APRIL 2025 FSA | 440-0000-215350 | 40.00 | |
| | | APRIL 2025 FSA | 610-0000-215350 | 4.27 | |
| | | APRIL 2025 FSA | 620-0000-215350 | 230.35 | |
| | | Vnd: 0018 Invoice: APRIL 2025 | 100-0000-211000 | | 2,025.21 |
| | | Vnd: 0018 Invoice: APRIL 2025 | 150-0000-211000 | | 970.91 |
| | | Vnd: 0018 Invoice: APRIL 2025 | 440-0000-211000 | | 40.00 |
| | | Vnd: 0018 Invoice: APRIL 2025 | 610-0000-211000 | | 4.27 |
| | | Vnd: 0018 Invoice: APRIL 2025 | 620-0000-211000 | | 230.35 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 3,270.74 | 3,270.74 |
| | | | | 5,763.06 | 5,763.06 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 100-0000-211000 | | 3,076.43 |
| | | VOUCHERS PAYABLE | 150-0000-211000 | | 2,178.63 |
| | | VOUCHERS PAYABLE | 440-0000-211000 | | 40.00 |
| | | VOUCHERS PAYABLE | 610-0000-211000 | | 124.70 |
| | | VOUCHERS PAYABLE | 620-0000-211000 | | 343.3 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| | | | TOTAL INCREASE IN PAYABL | | 5,763.06 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | ACORN TV ANNUAL US | Invoice: CEITHAMER EMILY Ref#: 69975(4/14/25-4/14/26 SUBSCRIPTION) | | |
| AP Trx #: 105925 | | | | | |
| | | THINGERY MAINTENANCE | 440-5511-531800 | 83.99 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 83.99 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 83.99 | 83.99 |
| 04/17/2025 | AP | ADOBE *ADOBE | Invoice: ARMOUR ABBY Ref#: 69952(CREATIVE CLOUD) | | |
| AP Trx #: 105926 | | | | | |
| | | OUTREACH | 440-5511-533300 | 36.74 | |
| | | Vnd: MISCCC Invoice: ARMOUR ABBY | 440-0000-211000 | | 36.74 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 36.74 | 36.74 |
| 04/17/2025 | AP | AMAZON MARK* HP9W45F23 | Invoice: STIEN JEFFREY R Ref#: 70020(EMS SUPPLIES) | | |
| AP Trx #: 105927 | | | | | |
| | | OPERATIONAL SUPPLIES | 150-5231-531100 | 46.97 | |
| | | Vnd: MISCCC Invoice: STIEN JEFFREY R | 150-0000-211000 | | 46.97 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 46.97 | 46.97 |
| 04/17/2025 | AP | AMAZON MKTPL*7Q5KS5BK3 | Invoice: KUBIAK MICHAEL Ref#: 70003(NNO HELIUM) | | |
| AP Trx #: 105928 | | | | | |
| | | POLICE DESIGNATED FUND EXPENDITURES | 340-5890-580602 | 101.99 | |
| | | Vnd: MISCCC Invoice: KUBIAK MICHAEL | 340-0000-211000 | | 101.99 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 101.99 | 101.99 |
| 04/17/2025 | AP | AMAZON MKTPL*FJ0X16EU3 | Invoice: KINDER MATTHEW Ref#: 69990(PUMP STATION- EFFLUENT RECIRC. PUMP | | |
| AP Trx #: 105929 | | | | | |
| | | OPERATION SUPPLY/EXPENSE | 620-8010-827000 | 33.95 | |
| | | Vnd: MISCCC Invoice: KINDER MATTHEW | 620-0000-211000 | | 33.95 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 33.95 | 33.95 |
| 04/17/2025 | AP | AMAZON MKTPL*J49LO6X33 | Invoice: STREIT DANIEL Ref#: 70023(OFFICE SUPPLIES) | | |
| AP Trx #: 105930 | | | | | |
| | | OPERATIONAL SUPPLIES | 100-5211-531100 | 39.96 | |
| | | Vnd: MISCCC Invoice: STREIT DANIEL | 100-0000-211000 | | 39.96 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 39.96 | 39.96 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|---|
| 04/17/2025 | AP | AMAZON MKTPL*JQ3WT7FT3 | Invoice: KUBIAK MICHAEL Ref#: 70002(NNO HELIUM) | | | |
| AP Trx #: 105931 | | | | | | |
| | | POLICE DESIGNATED FUND EXPENDITURES | | 340-5890-580602 | 92.99 | |
| | | Vnd: MISCCC Invoice: KUBIAK MICHAEL | | 340-0000-211000 | | 92.99 |
| | | Expected Check Run: 04/23/2025 | | | | |
| | | | | | 92.99 | 92.99 |
| 04/17/2025 | AP | AMAZON MKTPL*XE3L79I03 | Invoice: KUBIAK MICHAEL Ref#: 69997(SQUAD BROOM) | | | |
| AP Trx #: 105932 | | | | | | |
| | | OPERATIONAL SUPPLIES | | 100-5212-531100 | 46.55 | |
| | | Vnd: MISCCC Invoice: KUBIAK MICHAEL | | 100-0000-211000 | | 46.55 |
| | | Expected Check Run: 04/23/2025 | | | | |
| | | | | | 46.55 | 46.55 |
| 04/17/2025 | AP | AMERICAN AED LLC | Invoice: KUBIAK MICHAEL Ref#: 69998(AED REPLACEMENT BATTERY) | | | |
| AP Trx #: 105933 | | | | | | |
| | | REPAIRS & MAINTENANCE | | 100-5212-539500 | 327.00 | |
| | | Vnd: MISCCC Invoice: KUBIAK MICHAEL | | 100-0000-211000 | | 327.00 |
| | | Expected Check Run: 04/23/2025 | | | | |
| | | | | | 327.00 | 327.00 |
| 04/17/2025 | AP | APPLE.COM/BILL | Invoice: SURA MATTHEW J Ref#: 70029(APPLE INVOICE) | | | |
| AP Trx #: 105934 | | | | | | |
| | | OPERATIONAL SUPPLIES | | 150-5221-531100 | 0.99 | |
| | | Vnd: MISCCC Invoice: SURA MATTHEW J | | 150-0000-211000 | | 0.99 |
| | | Expected Check Run: 04/23/2025 | | | | |
| | | | | | 0.99 | 0.99 |
| 04/17/2025 | AP | ARBOR DAY FOUNDATION | Invoice: BITTNER RONALD Ref#: 69957(ARBOR DAY YEAR DECALS) | | | |
| AP Trx #: 105935 | | | | | | |
| | | OPERATIONAL SUPPLIES | | 100-5611-531100 | 6.25 | |
| | | Vnd: MISCCC Invoice: BITTNER RONALD | | 100-0000-211000 | | 6.25 |
| | | Expected Check Run: 04/23/2025 | | | | |
| | | | | | 6.25 | 6.25 |
| 04/17/2025 | AP | BADGER BURGER COMPANY SOU | Invoice: DYKSTRA DIANA Ref#: 69977(PLANNING DOT MEETING) | | | |
| AP Trx #: 105936 | | | | | | |
| | | PLANNING DOT MEETING | | 100-5141-533500 | 56.84 | |
| | | Vnd: MISCCC Invoice: DYKSTRA DIANA | | 100-0000-211000 | | 56.84 |
| | | Expected Check Run: 04/23/2025 | | | | |
| | | | | | 56.84 | 56.84 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | BATTERIES PLUS #0580 | Invoice: SMITH JAMES A Ref#: 70016(UPS BATTERIES) | | |
| AP Trx #: 105937 | | | | | |
| | | OPERATION SUPPLY/EXPENSE | 620-8010-827000 | 69.31 | |
| | | OPERATION SUPPLY/EXPENSE | 620-8020-827000 | 69.30 | |
| | | OPERATION SUPPLY/EXP-PUMPING | 610-6200-662300 | 69.31 | |
| | | Vnd: MISCCC Invoice: SMITH JAMES A | 620-0000-211000 | | 138.61 |
| | | Vnd: MISCCC Invoice: SMITH JAMES A | 610-0000-211000 | | 69.31 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 207.92 | 207.92 |
| 04/17/2025 | AP | BOOKWORM GARDENS | Invoice: CEITHAMER EMILY Ref#: 69974(EXPLORE PASS) | | |
| AP Trx #: 105938 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 100.00 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 100.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 100.00 | 100.00 |
| 04/17/2025 | AP | BUFFALO WILD WNGS 0082 | Invoice: KINDER MATTHEW Ref#: 69991(TRAINGING- WRWA MEAL ALLOWANCE) | | |
| AP Trx #: 105939 | | | | | |
| | | MISC GENERAL EXPENSES | 610-6920-693000 | 13.54 | |
| | | EDUCATIONAL/TRAINING EXPENSES | 620-8400-854100 | 13.53 | |
| | | Vnd: MISCCC Invoice: KINDER MATTHEW | 610-0000-211000 | | 13.54 |
| | | Vnd: MISCCC Invoice: KINDER MATTHEW | 620-0000-211000 | | 13.53 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 27.07 | 27.07 |
| 04/17/2025 | AP | CANVA* I04458-48058181 | Invoice: KIM CATHRYN Ref#: 69981(BUSINESS CARDS) | | |
| AP Trx #: 105940 | | | | | |
| | | OPERATIONAL SUPPLIES | 440-5511-531100 | 214.00 | |
| | | Vnd: MISCCC Invoice: KIM CATHRYN | 440-0000-211000 | | 214.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 214.00 | 214.00 |
| 04/17/2025 | AP | DISNEY PLUS | Invoice: CEITHAMER EMILY Ref#: 69963(MONTHLY BUNDLE) | | |
| AP Trx #: 105941 | | | | | |
| | | THINGERY MAINTENANCE | 440-5511-531800 | 17.94 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 17.94 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 17.94 | 17.94 |
| 04/17/2025 | AP | DNR WS2 EM1 EPAY DEM SALE | Invoice: SUKOWATY JAYME Ref#: 70027(WATER LICENSE RENEWAL) | | |
| AP Trx #: 105942 | | | | | |
| | | MISC GENERAL EXPENSES | 610-6920-693000 | 45.00 | |
| | | Vnd: MISCCC Invoice: SUKOWATY JAYME | 610-0000-211000 | | 45.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 45.00 | 45.0 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | DNR WS2 EM1 EPAY DEM SRVF | Invoice: SUKOWATY JAYME Ref#: 70026(WATER LICENSE RENEWAL CC FEE) | | |
| AP Trx #: 105943 | | | | | |
| | | MISC GENERAL EXPENSES | 610-6920-693000 | 0.90 | |
| | | Vnd: MISCCC Invoice: SUKOWATY JAYME | 610-0000-211000 | | 0.90 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 0.90 | 0.90 |
| 04/17/2025 | AP | DOLLARTREE | Invoice: PRIDE JAMES Ref#: 70005(BINGO PRIZES) | | |
| AP Trx #: 105944 | | | | | |
| | | PROGRAMMING | 440-5511-533100 | 75.00 | |
| | | Vnd: MISCCC Invoice: PRIDE JAMES | 440-0000-211000 | | 75.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 75.00 | 75.00 |
| 04/17/2025 | AP | DOMINO'S 2096 | Invoice: PRIDE JAMES Ref#: 70011(PROGRAM SNACKS) | | |
| AP Trx #: 105945 | | | | | |
| | | OUTREACH | 440-5511-533300 | 82.26 | |
| | | Vnd: MISCCC Invoice: PRIDE JAMES | 440-0000-211000 | | 82.26 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 82.26 | 82.26 |
| 04/17/2025 | AP | DOMINO'S 2096 | Invoice: PRIDE JAMES Ref#: 70012(PROGRAM SNACKS) | | |
| AP Trx #: 105946 | | | | | |
| | | OUTREACH | 440-5511-533300 | 15.73 | |
| | | Vnd: MISCCC Invoice: PRIDE JAMES | 440-0000-211000 | | 15.73 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 15.73 | 15.73 |
| 04/17/2025 | AP | EAGLE MEDIA INC. | Invoice: STIEN JEFFREY R Ref#: 70021(FRIESEMA AND ROLBIECKI CLOTHING) | | |
| AP Trx #: 105947 | | | | | |
| | | CLOTHING ALLOWANCE | 150-5233-534600 | 84.00 | |
| | | CLOTHING ALLOWANCE | 150-5221-534600 | 83.00 | |
| | | Vnd: MISCCC Invoice: STIEN JEFFREY R | 150-0000-211000 | | 167.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 167.00 | 167.00 |
| 04/17/2025 | AP | FIVE GUYS WI 1062 QSR | Invoice: KINDER MATTHEW Ref#: 69992(TRAINING- WRWA MEAL ALLOWANCE) | | |
| AP Trx #: 105948 | | | | | |
| | | MISC GENERAL EXPENSES | 610-6920-693000 | 9.48 | |
| | | EDUCATIONAL/TRAINING EXPENSES | 620-8400-854100 | 9.49 | |
| | | Vnd: MISCCC Invoice: KINDER MATTHEW | 610-0000-211000 | | 9.48 |
| | | Vnd: MISCCC Invoice: KINDER MATTHEW | 620-0000-211000 | | 9.49 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 18.97 | 18.97 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | GOVX | Invoice: STREIT DANIEL Ref#: 70022(UINFORM ALLOWANCE - STREIT (ITEM WAS | | |
| AP Trx #: 105949 | | | | | |
| | | CLOTHING ALLOWANCE | 100-5211-534600 | 126.99 | |
| | | Vnd: MISCCC Invoice: STREIT DANIEL | 100-0000-211000 | | 126.99 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 126.99 | 126.99 |
| 04/17/2025 | AP | HI STEVENS POINT CONVEN | Invoice: BROWN DAVID Ref#: 69959(TRAINING- BIOSOLIDS SYMPOSIUM) | | |
| AP Trx #: 105950 | | | | | |
| | | EDUCATIONAL/TRAINING EXPENSES | 620-8400-854100 | 121.99 | |
| | | Vnd: MISCCC Invoice: BROWN DAVID | 620-0000-211000 | | 121.99 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 121.99 | 121.99 |
| 04/17/2025 | AP | HOME2 SUITE GREEN BAY | Invoice: CASTLE WAYNE A Ref#: 69962(TRAINING- WRWA CONFERENCE HOTEL) | | |
| AP Trx #: 105951 | | | | | |
| | | MISC GENERAL EXPENSES | 610-6920-693000 | 162.00 | |
| | | EDUCATIONAL/TRAINING EXPENSES | 620-8400-854100 | 162.00 | |
| | | Vnd: MISCCC Invoice: CASTLE WAYNE A | 610-0000-211000 | | 162.00 |
| | | Vnd: MISCCC Invoice: CASTLE WAYNE A | 620-0000-211000 | | 162.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 324.00 | 324.00 |
| 04/17/2025 | AP | INTL CRANE FDN. | Invoice: CEITHAMER EMILY Ref#: 69966(EXPLORE PASS) | | |
| AP Trx #: 105952 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 60.00 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 60.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 60.00 | 60.00 |
| 04/17/2025 | AP | JOURNAL SENTINEL | Invoice: KIM CATHRYN Ref#: 69983(3/1/25-3/31/26 SUBSCRIPTION) | | |
| AP Trx #: 105953 | | | | | |
| | | NEWSPAPERS | 440-5511-532700 | 422.29 | |
| | | Vnd: MISCCC Invoice: KIM CATHRYN | 440-0000-211000 | | 422.29 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 422.29 | 422.29 |
| 04/17/2025 | AP | LS ODDWILLOWS GAME HA | Invoice: CEITHAMER EMILY Ref#: 69973(GIFT CARD) | | |
| AP Trx #: 105954 | | | | | |
| | | PROGRAMMING | 440-5511-533100 | 20.00 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 20.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 20.00 | 20.00 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | MAILCHIMP | Invoice: DYKSTRA DIANA Ref#: 69979(WEEKLY WRAP MAIL CHIMP SUBSCRIPTION) | | |
| AP Trx #: 105955 | | | | | |
| | | OPERATIONAL SUPPLIES | 100-5141-531100 | 47.25 | |
| | | Vnd: MISCCC Invoice: DYKSTRA DIANA | 100-0000-211000 | | 47.25 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 47.25 | 47.25 |
| 04/17/2025 | AP | METRO MARKET #384 | Invoice: KROPF LANA Ref#: 69994(APR 2025 ELECTION FOOD) | | |
| AP Trx #: 105956 | | | | | |
| | | OPERATIONAL SUPPLIES | 100-5144-531100 | 78.81 | |
| | | Vnd: MISCCC Invoice: KROPF LANA | 100-0000-211000 | | 78.81 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 78.81 | 78.81 |
| 04/17/2025 | AP | METRO MARKET #384 | Invoice: STIEN JEFFREY R Ref#: 70019(STATION SUPPLIES) | | |
| AP Trx #: 105957 | | | | | |
| | | OPERATIONAL SUPPLIES | 150-5221-531100 | 19.59 | |
| | | Vnd: MISCCC Invoice: STIEN JEFFREY R | 150-0000-211000 | | 19.59 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 19.59 | 19.59 |
| 04/17/2025 | AP | MILW ART MUSEUM | Invoice: CEITHAMER EMILY Ref#: 69964(EXPLORE PASS PD BY FRIENDS) | | |
| AP Trx #: 105958 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 600.00 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 600.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 600.00 | 600.00 |
| 04/17/2025 | AP | MILWAUKEEDOMESALLIANCE | Invoice: CEITHAMER EMILY Ref#: 69972(EXPLORE PASS) | | |
| AP Trx #: 105959 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 500.00 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 500.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 500.00 | 500.00 |
| 04/17/2025 | AP | NETFLIX.COM | Invoice: KIM CATHRYN Ref#: 69984(STREAMING SERVICE 4/1/25-4/30/25) | | |
| AP Trx #: 105960 | | | | | |
| | | THINGERY MAINTENANCE | 440-5511-531800 | 24.99 | |
| | | Vnd: MISCCC Invoice: KIM CATHRYN | 440-0000-211000 | | 24.99 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 24.99 | 24.99 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | NNA SERVICES LLC | Invoice: PRIDE JAMES Ref#: 70010(NOTARY LICENSE) | | |
| AP Trx #: 105961 | | | | | |
| | | TRAINING & TRAVEL | 440-5511-533500 | 20.00 | |
| | | Vnd: MISCCC Invoice: PRIDE JAMES | 440-0000-211000 | | 20.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 20.00 | 20.00 |
| 04/17/2025 | AP | OPC MSC*SERVICE FEE 024 | Invoice: KINDER MATTHEW Ref#: 69989(TRAINING- WRWA CONFERECE CC FEE) | | |
| AP Trx #: 105962 | | | | | |
| | | MISC GENERAL EXPENSES | 610-6920-693000 | 5.62 | |
| | | EDUCATIONAL/TRAINING EXPENSES | 620-8400-854100 | 5.63 | |
| | | Vnd: MISCCC Invoice: KINDER MATTHEW | 610-0000-211000 | | 5.62 |
| | | Vnd: MISCCC Invoice: KINDER MATTHEW | 620-0000-211000 | | 5.63 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 11.25 | 11.25 |
| 04/17/2025 | AP | OPC*WI RURAL WTR CONF | Invoice: KINDER MATTHEW Ref#: 69988(TRAINING- WRWA CONFERENCE) | | |
| AP Trx #: 105963 | | | | | |
| | | MISC GENERAL EXPENSES | 610-6920-693000 | 165.00 | |
| | | EDUCATIONAL/TRAINING EXPENSES | 620-8400-854100 | 165.00 | |
| | | Vnd: MISCCC Invoice: KINDER MATTHEW | 610-0000-211000 | | 165.00 |
| | | Vnd: MISCCC Invoice: KINDER MATTHEW | 620-0000-211000 | | 165.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 330.00 | 330.00 |
| 04/17/2025 | AP | PAYPAL *WISCONSIN L WI | Invoice: BITTNER RONALD Ref#: 69955(STORMWATER WORKSHOP BITTNER) | | |
| AP Trx #: 105964 | | | | | |
| | | Training & Travel | 500-5344-533500 | 10.37 | |
| | | TRAINING & TRAVEL | 100-5323-533500 | 113.13 | |
| | | Vnd: MISCCC Invoice: BITTNER RONALD | 500-0000-211000 | | 10.37 |
| | | Vnd: MISCCC Invoice: BITTNER RONALD | 100-0000-211000 | | 113.13 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 123.50 | 123.50 |
| 04/17/2025 | AP | PHCC-WISCONSIN | Invoice: RUTENBECK TIM Ref#: 70014(C.EIFFERT PLUMBING TRAINING) | | |
| AP Trx #: 105965 | | | | | |
| | | TRAINING & TRAVEL | 100-5241-533500 | 89.00 | |
| | | Vnd: MISCCC Invoice: RUTENBECK TIM | 100-0000-211000 | | 89.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 89.00 | 89.00 |
| 04/17/2025 | AP | PHCC-WISCONSIN | Invoice: SUKOWATY JAYME Ref#: 70028(TRAINING- CROSS CONNECTION REFRESHEI | | |
| AP Trx #: 105966 | | | | | |
| | | MISC GENERAL EXPENSES | 610-6920-693000 | 119.00 | |
| | | Vnd: MISCCC Invoice: SUKOWATY JAYME | 610-0000-211000 | | 119.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 119.00 | 119.0 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | PIGGLY WIGGLY #208 | Invoice: DYKSTRA DIANA Ref#: 69978(120 PROCLAMATION EVENT) | | |
| AP Trx #: 105967 | | | | | |
| | | 120 PROCLAMATION EVENT | 100-5111-531100 | 24.99 | |
| | | Vnd: MISCCC Invoice: DYKSTRA DIANA | 100-0000-211000 | | 24.99 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 24.99 | 24.99 |
| 04/17/2025 | AP | POSITIVE PROMOTIONS | Invoice: KUBIAK MICHAEL Ref#: 69999(NNO GIVEAWAY ITEMS) | | |
| AP Trx #: 105968 | | | | | |
| | | POLICE DESIGNATED FUND EXPENDITURES | 340-5890-580602 | 465.82 | |
| | | Vnd: MISCCC Invoice: KUBIAK MICHAEL | 340-0000-211000 | | 465.82 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 465.82 | 465.82 |
| 04/17/2025 | AP | POSITIVE PROMOTIONS | Invoice: KUBIAK MICHAEL Ref#: 70001(NNO GIVEAWAY ITEMS) | | |
| AP Trx #: 105969 | | | | | |
| | | POLICE DESIGNATED FUND EXPENDITURES | 340-5890-580602 | 338.95 | |
| | | Vnd: MISCCC Invoice: KUBIAK MICHAEL | 340-0000-211000 | | 338.95 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 338.95 | 338.95 |
| 04/17/2025 | AP | PY *PIZZA RANCH STEVENS | Invoice: BROWN DAVID Ref#: 69958(TRAINING- MEAL ALLOWANCE) | | |
| AP Trx #: 105970 | | | | | |
| | | EDUCATIONAL/TRAINING EXPENSES | 620-8400-854100 | 17.27 | |
| | | Vnd: MISCCC Invoice: BROWN DAVID | 620-0000-211000 | | 17.27 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 17.27 | 17.27 |
| 04/17/2025 | AP | S/S AUTOMOTIVE | Invoice: SUKOWATY JAYME Ref#: 70025(2019 2500 SILVERADO FENDER REPAIR) | | |
| AP Trx #: 105971 | | | | | |
| | | TRANSPORTATION EXPENSES | 610-6920-693300 | 822.00 | |
| | | Vnd: MISCCC Invoice: SUKOWATY JAYME | 610-0000-211000 | | 822.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 822.00 | 822.00 |
| 04/17/2025 | AP | SCHLITZ AUDUBON NATURE CE | Invoice: CEITHAMER EMILY Ref#: 69967(EXPLORE PASS) | | |
| AP Trx #: 105972 | | | | | |
| | | DONATED FUND EXPENDITURES | 440-5890-580600 | 75.00 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 75.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 75.00 | 75.00 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | SEW MUCH MORE | Invoice: CEITHAMER EMILY Ref#: 69968(SEWING MACHINES ADJUSTMENT) | | |
| AP Trx #: 105973 | | | | | |
| | | METASPACE MAINTENANCE | 440-5511-531700 | 419.94 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 419.94 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 419.94 | 419.94 |
| 04/17/2025 | AP | SEW MUCH MORE | Invoice: CEITHAMER EMILY Ref#: 69969(SEWING MACHINE ADJUSTMENT) | | |
| AP Trx #: 105974 | | | | | |
| | | THINGERY MAINTENANCE | 440-5511-531800 | 70.89 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 70.89 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 70.89 | 70.89 |
| 04/17/2025 | AP | SIMPLE TIRE | Invoice: PETERSON RANDY Ref#: 70004(5910 TORO TIRES) | | |
| AP Trx #: 105975 | | | | | |
| | | REPAIRS & MAINTENANCE | 100-5324-539500 | 154.46 | |
| | | Vnd: MISCCC Invoice: PETERSON RANDY | 100-0000-211000 | | 154.46 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 154.46 | 154.46 |
| 04/17/2025 | AP | SQ *DRIFTLESS PATHWAYS | Invoice: CEITHAMER EMILY Ref#: 69971(BOOK) | | |
| AP Trx #: 105976 | | | | | |
| | | BOOKS | 440-5700-532800 | 18.00 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 18.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 18.00 | 18.00 |
| 04/17/2025 | AP | STICKERAPP | Invoice: PRIDE JAMES Ref#: 70008(DIE CUT STICKER) | | |
| AP Trx #: 105977 | | | | | |
| | | OUTREACH | 440-5511-533300 | 101.00 | |
| | | Vnd: MISCCC Invoice: PRIDE JAMES | 440-0000-211000 | | 101.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 101.00 | 101.00 |
| 04/17/2025 | AP | THE BUSINESS JOURNALS | Invoice: DYKSTRA DIANA Ref#: 69980(BUSINESS JOURNAL) | | |
| AP Trx #: 105978 | | | | | |
| | | BUSINESS JOURNAL | 100-5670-531100 | 220.00 | |
| | | Vnd: MISCCC Invoice: DYKSTRA DIANA | 100-0000-211000 | | 220.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 220.00 | 220.00 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | THE HOME DEPOT #4921 | Invoice: BROWN DAVID Ref#: 69960(ATKINSON LS- REPAIR/REPLACE LEVEL SENS( | | |
| AP Trx #: 105979 | | | | | |
| | | MAINTENANCE-LIFT STATIONS/PUMP | 620-8020-832000 | 24.20 | |
| | | Vnd: MISCCC Invoice: BROWN DAVID | 620-0000-211000 | | 24.20 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 24.20 | 24.20 |
| 04/17/2025 | AP | THE HOME DEPOT #4921 | Invoice: BROWN DAVID Ref#: 69961(ATKINSON LS- REPAIR/REPLACE LEVEL SENS( | | |
| AP Trx #: 105980 | | | | | |
| | | MAINTENANCE-LIFT STATIONS/PUMP | 620-8020-832000 | 10.87 | |
| | | Vnd: MISCCC Invoice: BROWN DAVID | 620-0000-211000 | | 10.87 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 10.87 | 10.87 |
| 04/17/2025 | AP | THE HOME DEPOT #4921 | Invoice: KIM CATHRYN Ref#: 69986(DOORSTOP) | | |
| AP Trx #: 105981 | | | | | |
| | | OPERATIONAL SUPPLIES | 440-5511-531100 | 12.44 | |
| | | Vnd: MISCCC Invoice: KIM CATHRYN | 440-0000-211000 | | 12.44 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 12.44 | 12.44 |
| 04/17/2025 | AP | THRIFT BOOKS GLOBAL, LLC | Invoice: CEITHAMER EMILY Ref#: 69965(BOOKS) | | |
| AP Trx #: 105982 | | | | | |
| | | BOOKS | 440-5700-532800 | 282.06 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 282.06 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 282.06 | 282.06 |
| 04/17/2025 | AP | US BANK STATEMENT CREDITS | Invoice: KINDER MATTHEW Ref#: 69987(CREDIT FOR TAX CHARGE) | | |
| AP Trx #: 105983 | | | | | |
| | | OPERATION SUPPLY/EXPENSE | 620-8010-827000 | | 34.49 |
| | | Vnd: 3384 Invoice: KINDER MATTHEW | 620-0000-211000 | 34.49 | |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 34.49 | 34.49 |
| 04/17/2025 | AP | US BANK STATEMENT CREDITS | Invoice: SMITH JAMES A Ref#: 70015(RETURN- UPS BATTERIES) | | |
| AP Trx #: 105984 | | | | | |
| | | OPERATION SUPPLY/EXPENSE | 620-8010-827000 | | 60.25 |
| | | OPERATION SUPPLY/EXPENSE | 620-8020-827000 | | 60.25 |
| | | OPERATION SUPPLY/EXP-PUMPING | 610-6200-662300 | | 60.25 |
| | | Vnd: 3384 Invoice: SMITH JAMES A | 620-0000-211000 | 120.50 | |
| | | Vnd: 3384 Invoice: SMITH JAMES A | 610-0000-211000 | 60.25 | |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 180.75 | 180.75 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | US BANK STATEMENT CREDITS | Invoice: STREIT DANIEL Ref#: 70024(UNIFORM ALLOWANCE - STREIT RETURN/REI | | |
| AP Trx #: 105985 | | | | | |
| | | CLOTHING ALLOWANCE | 100-5211-534600 | | 118.64 |
| | | Vnd: 3384 Invoice: STREIT DANIEL | 100-0000-211000 | 118.64 | |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 118.64 | 118.64 |
| 04/17/2025 | AP | USPS PO 5657100149 | Invoice: BITTNER RONALD Ref#: 69956(PRIORITY MAIL FOR LAND PURCHASE CLOS | | |
| AP Trx #: 105986 | | | | | |
| | | LAND ACQUISITION / DISPOSITION | 480-5700-589600 | 10.10 | |
| | | Vnd: MISCCC Invoice: BITTNER RONALD | 480-0000-211000 | | 10.10 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 10.10 | 10.10 |
| 04/17/2025 | AP | USPS PO 5657100149 | Invoice: KROPF LANA Ref#: 69993(ELECTION POSTAGE- OVERNIGHT BALLOT) | | |
| AP Trx #: 105987 | | | | | |
| | | POSTAGE | 100-5144-531500 | 31.40 | |
| | | Vnd: MISCCC Invoice: KROPF LANA | 100-0000-211000 | | 31.40 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 31.40 | 31.40 |
| 04/17/2025 | AP | VBS*VONAGE BUSINESS | Invoice: DOHERTY DIANA Ref#: 69976(4-11-2025 - 5-10-2025) | | |
| AP Trx #: 105988 | | | | | |
| | | TELEPHONE | 100-5141-522500 | 79.16 | |
| | | TELEPHONE | 100-5142-522500 | 79.41 | |
| | | SOFTWARE SUPPORT/MAINTENANCE | 100-5145-522900 | 79.16 | |
| | | TELEPHONE | 100-5241-522500 | 59.37 | |
| | | TELEPHONE | 100-5323-522500 | 59.62 | |
| | | TELEPHONE | 100-5512-522500 | 19.79 | |
| | | TELEPHONE | 100-5120-522500 | 19.79 | |
| | | TELEPHONE | 100-5211-522500 | 350.66 | |
| | | TELEPHONE | 150-5221-522500 | 361.48 | |
| | | TELEPHONE | 440-5511-522500 | 403.56 | |
| | | OFFICE SUPPLIES & EXPENSES | 610-6920-692100 | 61.99 | |
| | | OFFICE SUPPLIES & EXPENSES | 620-8400-851000 | 62.00 | |
| | | Vnd: MISCCC Invoice: DOHERTY DIANA | 100-0000-211000 | | 746.96 |
| | | Vnd: MISCCC Invoice: DOHERTY DIANA | 150-0000-211000 | | 361.48 |
| | | Vnd: MISCCC Invoice: DOHERTY DIANA | 440-0000-211000 | | 403.56 |
| | | Vnd: MISCCC Invoice: DOHERTY DIANA | 610-0000-211000 | | 61.99 |
| | | Vnd: MISCCC Invoice: DOHERTY DIANA | 620-0000-211000 | | 62.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 1,635.99 | 1,635.99 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | WAL-MART #1571 | Invoice: CEITHAMER EMILY Ref#: 69970(PROGRAM SUPPLIES) | | |
| AP Trx #: 105989 | | | | | |
| | | PROGRAMMING | 440-5511-533100 | 46.13 | |
| | | Vnd: MISCCC Invoice: CEITHAMER EMILY | 440-0000-211000 | | 46.13 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 46.13 | 46.13 |
| 04/17/2025 | AP | WAL-MART #1571 | Invoice: KIM CATHRYN Ref#: 69985(CLEANING SUPPLIES) | | |
| AP Trx #: 105990 | | | | | |
| | | OPERATIONAL SUPPLIES | 440-5511-531100 | 89.35 | |
| | | Vnd: MISCCC Invoice: KIM CATHRYN | 440-0000-211000 | | 89.35 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 89.35 | 89.35 |
| 04/17/2025 | AP | WAL-MART #1571 | Invoice: PRIDE JAMES Ref#: 70006(BINGO PRIZES) | | |
| AP Trx #: 105991 | | | | | |
| | | PROGRAMMING | 440-5511-533100 | 43.11 | |
| | | Vnd: MISCCC Invoice: PRIDE JAMES | 440-0000-211000 | | 43.11 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 43.11 | 43.11 |
| 04/17/2025 | AP | WAL-MART #1571 | Invoice: STIEN JEFFREY R Ref#: 70017(EMS SUPPLIES) | | |
| AP Trx #: 105992 | | | | | |
| | | OPERATIONAL SUPPLIES | 150-5231-531100 | 22.16 | |
| | | Vnd: MISCCC Invoice: STIEN JEFFREY R | 150-0000-211000 | | 22.16 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 22.16 | 22.16 |
| 04/17/2025 | AP | WAL-MART #1571 | Invoice: STIEN JEFFREY R Ref#: 70018(MOPS EMS SUPPLIES) | | |
| AP Trx #: 105993 | | | | | |
| | | OPERATIONAL SUPPLIES | 150-5231-531100 | 23.92 | |
| | | Vnd: MISCCC Invoice: STIEN JEFFREY R | 150-0000-211000 | | 23.92 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 23.92 | 23.92 |
| 04/17/2025 | AP | WAUKESHA COUNTY WI REGIS | Invoice: KROPF LANA Ref#: 69995(DAM RECORDED DOCUMENT- 4810253 CONV. FEI | | |
| AP Trx #: 105994 | | | | | |
| | | OTHER | 100-5142-539900 | 2.00 | |
| | | Vnd: MISCCC Invoice: KROPF LANA | 100-0000-211000 | | 2.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 2.00 | 2.00 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | WAUKESHA COUNTY WI REGIS | Invoice: KROPF LANA Ref#: 69996(DAM RECORDED DOCUMENT- 4810253 FEE) | | |
| AP Trx #: 105995 | | | | | |
| | | OPERATIONAL SUPPLIES | 100-5142-531100 | 13.00 | |
| | | Vnd: MISCCC Invoice: KROPF LANA | 100-0000-211000 | | 13.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 13.00 | 13.00 |
| 04/17/2025 | AP | WHOLESALESOCKDEALS.COM | Invoice: KUBIAK MICHAEL Ref#: 70000(NNO GIVEAWAY ITEMS) | | |
| AP Trx #: 105996 | | | | | |
| | | POLICE DESIGNATED FUND EXPENDITURES | 340-5890-580602 | 383.05 | |
| | | Vnd: MISCCC Invoice: KUBIAK MICHAEL | 340-0000-211000 | | 383.05 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 383.05 | 383.05 |
| 04/17/2025 | AP | WI DFI WS2 CFI CC EPAY | Invoice: PRIDE JAMES Ref#: 70013(NOTARY LICENSE) | | |
| AP Trx #: 105997 | | | | | |
| | | TRAINING & TRAVEL | 440-5511-533500 | 20.00 | |
| | | Vnd: MISCCC Invoice: PRIDE JAMES | 440-0000-211000 | | 20.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 20.00 | 20.00 |
| 04/17/2025 | AP | WM SUPERCENTER #1571 | Invoice: PRIDE JAMES Ref#: 70009(PROGRAM SUPPLIES) | | |
| AP Trx #: 105998 | | | | | |
| | | PROGRAMMING | 440-5511-533100 | 145.17 | |
| | | Vnd: MISCCC Invoice: PRIDE JAMES | 440-0000-211000 | | 145.17 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 145.17 | 145.17 |
| 04/17/2025 | AP | WM SUPERCENTER #1571 | Invoice: ZAESKE DEBBIE Ref#: 70031(DISPATCH WEEK SNACKS) | | |
| AP Trx #: 105999 | | | | | |
| | | OTHER | 100-5211-539900 | 65.44 | |
| | | Vnd: MISCCC Invoice: ZAESKE DEBBIE | 100-0000-211000 | | 65.44 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 65.44 | 65.44 |
| 04/17/2025 | AP | WWW.APWA.NET | Invoice: WILHARMS MICHAE Ref#: 70030(APWA CLASS WILHARMS) | | |
| AP Trx #: 106000 | | | | | |
| | | TRAINING & TRAVEL | 100-5323-533500 | 150.00 | |
| | | Vnd: MISCCC Invoice: WILHARMS MICHAE | 100-0000-211000 | | 150.00 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 150.00 | 150.00 |

BANK CODE: GEN PAY BY: EFT TRANSFER ENTRY DATES 04/17/2025 - 04/17/2025 CHECK RUN DATES 04/23/2025 - 04/23/2025

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/17/2025 | AP | WWW.BESTOFSIGNS.COM | Invoice: PRIDE JAMES Ref#: 70007(YARD SIGNS) | | |
| AP Trx #: 106001 | | | | | |
| | | OUTREACH | 440-5511-533300 | 107.17 | |
| | | Vnd: MISCCC Invoice: PRIDE JAMES | 440-0000-211000 | | 107.17 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 107.17 | 107.17 |
| 04/17/2025 | AP | WWW.UI.COM | Invoice: BITTNER RONALD Ref#: 69954(WIFI ROUTER) | | |
| AP Trx #: 106002 | | | | | |
| | | SOFTWARE SUPPORT/MAINTENANCE | 100-5512-522900 | 143.80 | |
| | | Vnd: MISCCC Invoice: BITTNER RONALD | 100-0000-211000 | | 143.80 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 143.80 | 143.80 |
| 04/17/2025 | AP | ZOOM.COM 888-799-9666 | Invoice: KIM CATHRYN Ref#: 69982(ANNUAL FEE 3/20/25-4/19/26) | | |
| AP Trx #: 106003 | | | | | |
| | | ELECTRONIC TOOLS & SERVICES | 440-5511-534000 | 159.90 | |
| | | Vnd: MISCCC Invoice: KIM CATHRYN | 440-0000-211000 | | 159.90 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 159.90 | 159.90 |
| 04/17/2025 | AP | ZORO TOOLS INC | Invoice: BITTNER RONALD Ref#: 69953(URINAL REPAIRS) | | |
| AP Trx #: 106004 | | | | | |
| | | BLDG REPAIRS & MAINTENANCE | 100-5211-539400 | 301.98 | |
| | | Vnd: MISCCC Invoice: BITTNER RONALD | 100-0000-211000 | | 301.98 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 301.98 | 301.98 |
| | | | | 11,670.11 | 11,670.11 |

Cash/Payable Account Totals:

| | | |
|---|---|---|
| VOUCHERS PAYABLE | 100-0000-211000 | 2,667.17 |
| VOUCHERS PAYABLE | 150-0000-211000 | 642.11 |
| VOUCHERS PAYABLE | 340-0000-211000 | 1,382.80 |
| VOUCHERS PAYABLE | 440-0000-211000 | 4,266.66 |
| VOUCHERS PAYABLE | 480-0000-211000 | 10.10 |
| VOUCHERS PAYABLE | 500-0000-211000 | 10.37 |
| VOUCHERS PAYABLE | 610-0000-211000 | 1,413.59 |
| VOUCHERS PAYABLE | 620-0000-211000 | 609.55 |
| | TOTAL INCREASE IN PAYABI | 11,002.35 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/23/2025 | AP | DELTA DENTAL OF WISCONSIN | Invoice: APR 2025 V Ref#: 70146(MAY 2025 VISION PREMIUMS) | | |
| AP Trx #: 106010 | | | | | |
| | | MAY 2025 VISION PREMIUMS | 100-0000-215303 | 131.83 | |
| | | MAY 2025 VISION PREMIUMS | 150-0000-215303 | 30.02 | |
| | | MAY 2025 VISION PREMIUMS | 440-0000-215303 | 30.16 | |
| | | MAY 2025 VISION PREMIUMS | 500-0000-215303 | 0.11 | |
| | | MAY 2025 VISION PREMIUMS | 610-0000-215303 | 11.23 | |
| | | MAY 2025 VISION PREMIUMS | 620-0000-215303 | 20.77 | |
| | | Vnd: 2974 Invoice: APR 2025 V | 100-0000-211000 | | 131.83 |
| | | Vnd: 2974 Invoice: APR 2025 V | 150-0000-211000 | | 30.02 |
| | | Vnd: 2974 Invoice: APR 2025 V | 440-0000-211000 | | 30.16 |
| | | Vnd: 2974 Invoice: APR 2025 V | 500-0000-211000 | | 0.11 |
| | | Vnd: 2974 Invoice: APR 2025 V | 610-0000-211000 | | 11.23 |
| | | Vnd: 2974 Invoice: APR 2025 V | 620-0000-211000 | | 20.77 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 224.12 | 224.12 |
| 04/23/2025 | AP | DELTA DENTAL OF WISCONSIN | Invoice: APR 2025 Ref#: 70147(MAY 2025 DENTAL PREMIUMS) | | |
| AP Trx #: 106011 | | | | | |
| | | MAY 2025 DENTAL PREMIUMS | 100-0000-215304 | 2,884.39 | |
| | | MAY 2025 DENTAL PREMIUMS | 150-0000-215304 | 407.84 | |
| | | MAY 2025 DENTAL PREMIUMS | 440-0000-215304 | 209.44 | |
| | | MAY 2025 DENTAL PREMIUMS | 500-0000-215304 | 2.37 | |
| | | MAY 2025 DENTAL PREMIUMS | 610-0000-215304 | 107.74 | |
| | | MAY 2025 DENTAL PREMIUMS | 620-0000-215304 | 181.26 | |
| | | Vnd: 2974 Invoice: APR 2025 | 100-0000-211000 | | 2,884.39 |
| | | Vnd: 2974 Invoice: APR 2025 | 150-0000-211000 | | 407.84 |
| | | Vnd: 2974 Invoice: APR 2025 | 440-0000-211000 | | 209.44 |
| | | Vnd: 2974 Invoice: APR 2025 | 500-0000-211000 | | 2.37 |
| | | Vnd: 2974 Invoice: APR 2025 | 610-0000-211000 | | 107.74 |
| | | Vnd: 2974 Invoice: APR 2025 | 620-0000-211000 | | 181.26 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 3,793.04 | 3,793.04 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/23/2025 | AP | EMPLOYEE TRUST FUNDS | Invoice: APRIL 2025 Ref#: 70145(MAY 2025 HEALTH INSURANCE) | | |
| AP Trx #: 106012 | | | | | |
| | | MAY 2025 HEALTH INSURANCE | 100-0000-215300 | 70,654.88 | |
| | | MAY 2025 HEALTH INSURANCE | 150-0000-215300 | 19,591.23 | |
| | | MAY 2025 HEALTH INSURANCE | 440-0000-215300 | 5,794.75 | |
| | | MAY 2025 HEALTH INSURANCE | 500-0000-215300 | 59.99 | |
| | | MAY 2025 HEALTH INSURANCE | 610-0000-215300 | 6,212.72 | |
| | | MAY 2025 HEALTH INSURANCE | 620-0000-215300 | 7,644.44 | |
| | | WENDLANDT PREM TO COLLECT APRIL 2025 | 620-0000-215300 | | 436.80 |
| | | BOYER PREM TO COLLECT FROM PR 04/11/25 | 100-0000-215300 | 129.68 | |
| | | RUTENBECK FAMILY PREM - ADJ NEXT BILLING | 100-0000-215300 | 1,307.49 | |
| | | Vnd: 0008 Invoice: APRIL 2025 | 100-0000-211000 | | 72,092.05 |
| | | Vnd: 0008 Invoice: APRIL 2025 | 150-0000-211000 | | 19,591.23 |
| | | Vnd: 0008 Invoice: APRIL 2025 | 440-0000-211000 | | 5,794.75 |
| | | Vnd: 0008 Invoice: APRIL 2025 | 500-0000-211000 | | 59.99 |
| | | Vnd: 0008 Invoice: APRIL 2025 | 610-0000-211000 | | 6,212.72 |
| | | Vnd: 0008 Invoice: APRIL 2025 | 620-0000-211000 | | 7,207.64 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 111,395.18 | 111,395.18 |
| 04/23/2025 | AP | GREAT WEST RETIREMENT SERVICES | Invoice: PR 042525 Ref#: 70154(RETIREMENT GW PR 04-25-25) | | |
| AP Trx #: 106013 | | | | | |
| | | GW PR 04/25/25 DEF COMP | 100-0000-215250 | 794.42 | |
| | | GW PR 04/25/25 DEF COMP | 150-0000-215250 | 2,614.87 | |
| | | Vnd: 0005 Invoice: PR 042525 | 100-0000-211000 | | 794.42 |
| | | Vnd: 0005 Invoice: PR 042525 | 150-0000-211000 | | 2,614.87 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 3,409.29 | 3,409.29 |
| 04/23/2025 | AP | MISSION SQUARE | Invoice: PR042525 Ref#: 70153(RETIREMENT MS / ICMA PR 04/25/25 305155) | | |
| AP Trx #: 106014 | | | | | |
| | | ICMA / MS DEF COMP PR 04/25/25 | 100-0000-215250 | 4,089.70 | |
| | | ICMA / MS DEF COMP PR 04/25/25 | 150-0000-215250 | 53.59 | |
| | | ICMA / MS DEF COMP PR 04/25/25 | 440-0000-215250 | 970.56 | |
| | | ICMA / MS DEF COMP PR 04/25/25 | 610-0000-215250 | 194.39 | |
| | | ICMA / MS DEF COMP PR 04/25/25 | 620-0000-215250 | 267.44 | |
| | | ICMA / MS DEF COMP PR 04/25/25 | 500-0000-215250 | 4.29 | |
| | | Vnd: 0010 Invoice: PR042525 | 100-0000-211000 | | 4,089.70 |
| | | Vnd: 0010 Invoice: PR042525 | 150-0000-211000 | | 53.59 |
| | | Vnd: 0010 Invoice: PR042525 | 440-0000-211000 | | 970.56 |
| | | Vnd: 0010 Invoice: PR042525 | 610-0000-211000 | | 194.39 |
| | | Vnd: 0010 Invoice: PR042525 | 620-0000-211000 | | 267.44 |
| | | Vnd: 0010 Invoice: PR042525 | 500-0000-211000 | | 4.29 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 5,579.97 | 5,579.97 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/23/2025 | AP | UKG INC. | Invoice: 300197227 Ref#: 70142(PAYROLL PROCESSING FEES MARCH 2025) | | |
| AP Trx #: 106015 | | | | | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5300-539900 | 112.44 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5111-539900 | 98.39 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5120-539900 | 28.11 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5141-539900 | 14.06 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5145-539900 | 56.21 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5142-539900 | 28.11 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5241-539900 | 28.11 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5670-521900 | 14.06 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5211-539900 | 140.56 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5212-539900 | 140.56 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 100-5213-521900 | 28.11 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 150-5221-539900 | 407.61 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 150-5233-531100 | 84.33 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 440-5511-534000 | 393.56 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 610-6902-690300 | 42.17 | |
| | | PAYROLL PROCESSING FEES MARCH 2025 | 620-8300-840000 | 42.17 | |
| | | Vnd: 3181 Invoice: 300197227 | 100-0000-211000 | | 688.72 |
| | | Vnd: 3181 Invoice: 300197227 | 150-0000-211000 | | 491.94 |
| | | Vnd: 3181 Invoice: 300197227 | 440-0000-211000 | | 393.56 |
| | | Vnd: 3181 Invoice: 300197227 | 610-0000-211000 | | 42.17 |
| | | Vnd: 3181 Invoice: 300197227 | 620-0000-211000 | | 42.17 |
| | | Expected Check Run: 04/23/2025 | | 1,658.56 | 1,658.56 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| 04/23/2025 | AP | UKG INC. | Invoice: 300197226 Ref#: 70143(2024 W2 PRINTING) | | |
| AP Trx #: 106016 | | | | | |
| | | 2024 W2 PRINTING | 100-5300-539900 | 32.45 | |
| | | 2024 W2 PRINTING | 100-5111-539900 | 20.65 | |
| | | 2024 W2 PRINTING | 100-5120-539900 | 5.90 | |
| | | 2024 W2 PRINTING | 100-5145-539900 | 14.75 | |
| | | 2024 W2 PRINTING | 100-5142-539900 | 5.90 | |
| | | 2024 W2 PRINTING | 100-5241-539900 | 5.90 | |
| | | 2024 W2 PRINTING | 100-5632-539900 | 2.95 | |
| | | 2024 W2 PRINTING | 100-5211-539900 | 38.35 | |
| | | 2024 W2 PRINTING | 100-5212-539900 | 50.15 | |
| | | 2024 W2 PRINTING | 100-5213-521900 | 5.90 | |
| | | 2024 W2 PRINTING | 150-5221-539900 | 118.00 | |
| | | 2024 W2 PRINTING | 440-5511-534000 | 120.95 | |
| | | 2024 W2 PRINTING | 610-6902-690300 | 20.65 | |
| | | 2024 W2 PRINTING | 620-8300-840000 | 8.85 | |
| | | 2024 W2 PRINTING | 150-5233-531100 | 17.70 | |
| | | 2024 W2 PRINTING | 100-5141-539900 | 5.90 | |
| | | 2024 W2 PRINTING | 100-5144-521900 | 85.55 | |
| | | 2024 W2 PRINTING | 100-5670-521900 | 5.90 | |
| | | Vnd: 3181 Invoice: 300197226 | 100-0000-211000 | | 280.25 |
| | | Vnd: 3181 Invoice: 300197226 | 150-0000-211000 | | 135.70 |
| | | Vnd: 3181 Invoice: 300197226 | 440-0000-211000 | | 120.95 |
| | | Vnd: 3181 Invoice: 300197226 | 610-0000-211000 | | 20.65 |
| | | Vnd: 3181 Invoice: 300197226 | 620-0000-211000 | | 8.85 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 566.40 | 566.40 |
| 04/23/2025 | AP | WI RETIREMENT SYSTEM | Invoice: APRIL 2025 Ref#: 70144(WISCONSIN RETIREMENT CONTRIBUTIONS - MAI | | |
| AP Trx #: 106017 | | | | | |
| | | WRS MARCH 2025 CONTRIBUTIONS | 100-0000-215200 | 39,535.39 | |
| | | WRS MARCH 2025 CONTRIBUTIONS | 150-0000-215200 | 17,634.42 | |
| | | WRS MARCH 2025 CONTRIBUTIONS | 440-0000-215200 | 6,410.20 | |
| | | WRS MARCH 2025 CONTRIBUTIONS | 610-0000-215200 | 2,134.24 | |
| | | WRS MARCH 2025 CONTRIBUTIONS | 620-0000-215200 | 2,978.12 | |
| | | ADJ | 100-0000-215200 | 0.08 | |
| | | Vnd: 0019 Invoice: APRIL 2025 | 100-0000-211000 | | 39,535.47 |
| | | Vnd: 0019 Invoice: APRIL 2025 | 150-0000-211000 | | 17,634.42 |
| | | Vnd: 0019 Invoice: APRIL 2025 | 440-0000-211000 | | 6,410.20 |
| | | Vnd: 0019 Invoice: APRIL 2025 | 610-0000-211000 | | 2,134.24 |
| | | Vnd: 0019 Invoice: APRIL 2025 | 620-0000-211000 | | 2,978.12 |
| | | Expected Check Run: 04/23/2025 | | | |
| | | | | 68,692.45 | 68,692.45 |
| | | | | 195,319.01 | 195,319.01 |
| Cash/Payable Account Totals: | | | | | |
| | | VOUCHERS PAYABLE | 100-0000-211000 | | 120,496.83 |
| | | VOUCHERS PAYABLE | 150-0000-211000 | | 40,959.61 |
| | | VOUCHERS PAYABLE | 440-0000-211000 | | 13,929.62 |
| | | VOUCHERS PAYABLE | 500-0000-211000 | | 66.76 |
| | | VOUCHERS PAYABLE | 610-0000-211000 | | 8,723.14 |
| | | VOUCHERS PAYABLE | 620-0000-211000 | | 10,706.2 |

| Post Date | Journal | Description | GL Number | DR Amount | CR Amount |
|---|---|---|---|---|---|
| | | | TOTAL INCREASE IN PAYABI | | 194,882.21 |

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: 2/20/25

Total Fees Paid: 20.00

PAID
CK NO.
DATE 2/20/25

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

## ORGANIZATION INFORMATION

**Name of Organization:** LifePoint Church

**Mailing Address:** 400 Bayview Rd. **City:** Mukwonago **State:** WI **Zip:** 53149

[redacted] ?: ☒ YES ☐ NO

3. _____

**Event Contact Person:** Rachel Howiss

[redacted]

## EVENT INFORMATION

**Name of the Event:** Church & Picnic in the Park **Date(s) of the Event:** 8/31/25

**Event Start Time:** 8 am **Event End Time:** 3 pm

**Location of the Event:** Field Park

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 ext 2104.

E. Briefly describe your event and its purpose.

_____

_____

_____

_____

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

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

## 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

Rachel Hueiss Admin Asst.
Name & Title (PRINT)

2/20/25
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** |

PAID
MAR 2 6 2025

Village of Mukwonago
440 River Crest Court, P.O. Box 206
Mukwonago, WI 53149
Phone: (262) 363-6434
Fax: (262) 363-6438
www.villageofmukwonago.com

# VILLAGE OF MUKWONAGO
## SPECIAL EVENT PERMIT APPLICATION
**Application Fee: See fee sheet**

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

### ORGANIZATION INFORMATION

Name of Organization: St. James Catholic Church

Mailing Address: 830 E. Veterans Way City: Mukwonago State: WI Zip: 53149

Phone Number: [redacted] Is the organization a 501(c)3 organization?: ☒ YES ☐ NO

Website Address: www.stjamesmukwonago.org

Event Contact Person: Jim Hepp

Mailing Addres[redacted]

Home Phone:

Email Address:

### EVENT INFORMATION

Name of the Event: St. James Festival Date(s) of the Event: 8-22 thru 8-24-2025

Event Start Time: 8-22-25 4:00pm Event End Time: 8-24-25 4:00pm

Location of the Event: 830 E. Veterans Way (on Parish property)

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. 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.

C. 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.

D. Generally describe your event and its purpose.

Parish Festival
A fundraiser and special event for the parish
$10 - Beer + wine permit
$60 - Special event x 3 days
$50 - tent inspection

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

F. Estimated # of participants: 300/day 2000/night Spectators: 600/day 600/night Vendors: 4-5/day

## 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: 1 or more

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: Approx. 4 hrs / day

I. Please list the number of security staff you will be providing for the event: per police

J. Will you need barricades provided by the Village for your event? ☒ YES ☐ NO

If yes, how many? 24

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 reserves for Friday
Saturday
Sunday

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 obtain liability insurance for an event that includes alcohol, has more than 150 people per day or involves a road closure. Proof of this insurance with coverage no less than $1,000,000 which names and endorses the Village, its officers, agents, employees, and contractors as an additional insured party is due no later than 20 days before the event.

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

Pastor / Fr. Jordan Berghause
Name & Title (PRINT)

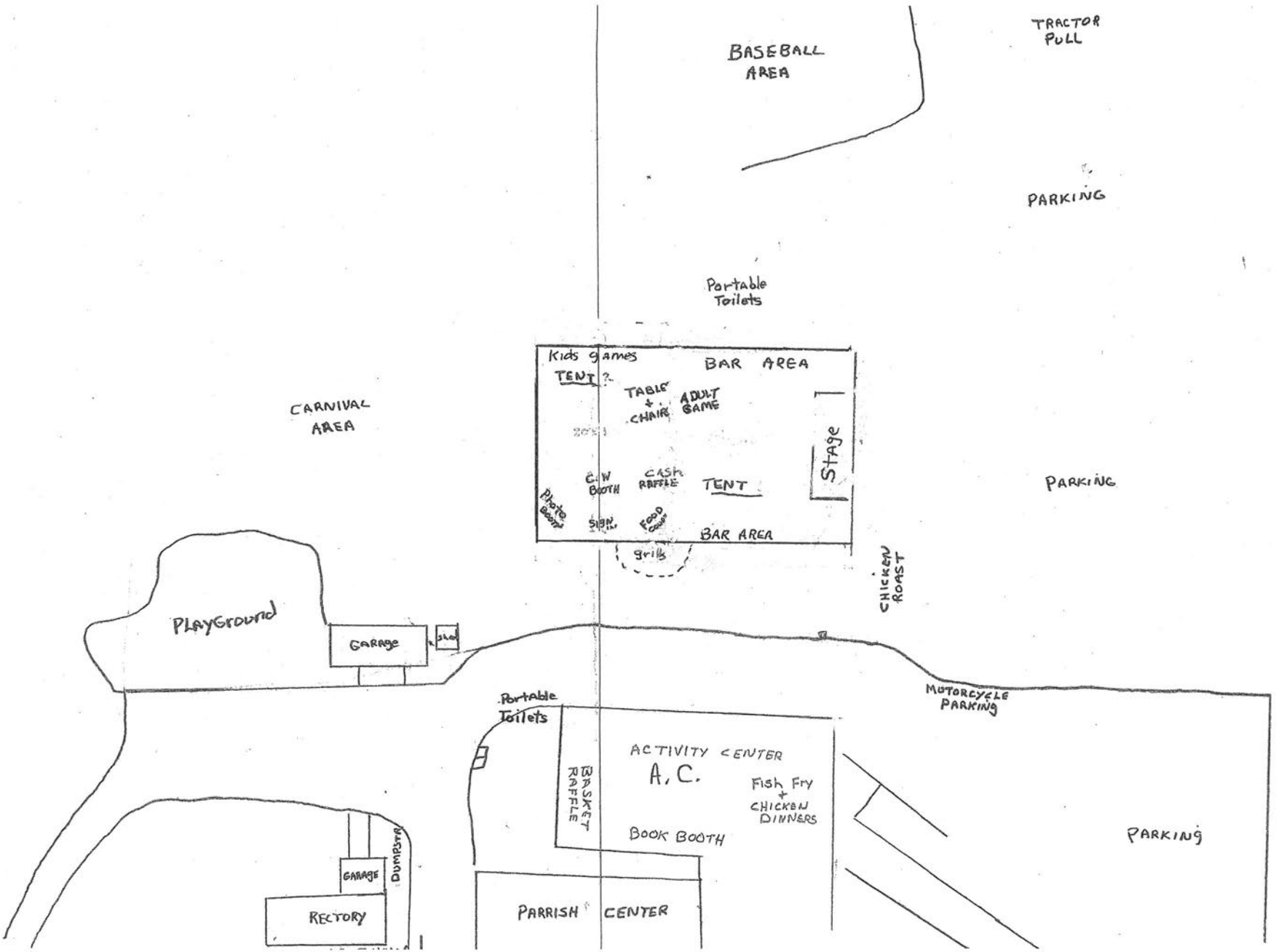
3/5/24
Date

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** |


BASEBALL AREA
TRACTOR PULL
PARKING
Portable Toilets
Kids games
TENT
BAR AREA
TABLE + CHAIR
ADULT GAME
CARNIVAL AREA
TOWER LIGHT
Stage
C.W BOOTH
CASH RAFFLE
TENT
PARKING
Photo Booth
SIGN IN
FOOD Coupons
BAR AREA
grills
CHICKEN ROAST
PLAYGROUND
GARAGE
MOTORCYCLE PARKING
Portable Toilets
ACTIVITY CENTER
A. C.
BASKET RAFFLE
Fish Fry + CHICKEN DINNERS
BOOK BOOTH
PARKING
GARAGE
DUMPSTER
RECTORY
PARRISH CENTER

# VILLAGE OF MUKWONAGO
## Park Facilities Rental Application

Date Submitted: 2/7/2025 Event Date: July 3rd 2025

Rain date July 5th 2025

**GUIDELINES**

This form must be completely in its entirety and submitted to the Village of Mukwonago Clerk's Office, 440 River Crest Ct, Mukwonago, WI 53149, for approval. A Signed copy authorizing the use of the Park Facility will be returned to the requesting party. Fees and the park form must be on file **two (2) months** prior to the event. "Residents" include Village of Mukwonago residents.

Mail completed applications to: Village Clerk-Treasurer's Office
ATTN: Park Usage
440 River Crest Ct
Mukwonago WI 53149

Email to: lgourdoux@villageofmukwonago.com

**FEES (check those that apply)**

**Indianhead Beach**

| | | |
|---|---|---|
| Open-air Shelter | $50.00 per day | $ _____ |
| Non-Resident Fee | Additional $25.00 per day | $ _____ |

**Miniwaukan**

| | | |
|---|---|---|
| Park Pavilion | $50.00 per day | $ _____ |
| Electricity Coordination | $15.00 per day | $ _____ |
| Non-Resident Fee | Additional $25.00 per day | $ _____ |

**Minor**

| | | |
|---|---|---|
| Open-air Shelter | $50.00 per day | $ _____ |
| Non-Resident Fee | Additional $25.00 per day | $ _____ |

Revised 5/2022

**Phantom Glen**

| | | |
|---|---|---|
| Park Pavilion | $50.00 per day | $ _____ |
| Electricity Coordination | $15.00 per day | $ _____ |
| Non-Resident Fee | Additional $25.00 per day | $ _____ |

**DEPOSIT (all rentals, check those that apply)**

| | | |
|---|---|---|
| Park Deposit | $100.00 per day | $ _____ |
| Key Deposit | $25.00 | $ _____ |

**RENTAL INFORMATION**

Date(s) of Event: July 3rd with a rain date July 5th

Estimated Number of Participants: 2

NOTE: (If there are 150 people or more, a Special Event Permit will be required under separate application)

Event Start Time: Setup starts at 3pm, majority of park closes at 8pm, show at 9:30pm Event End Time: Fireworks crew should be packed up by 11pm, PLMD team will complete debris cleanup by 10am the following day

**APPLICANT INFORMATION**

Name: Jake Jagmin on behalf of Phantom Lakes Management District.

[redacted] : Mukwonago State/Zip: 53149

**ORGANIZATION INFORMATION (if applicable)**

Name of Organization: Phantom Lake Management District

Mailing Address [redacted] City: Mukwonago State/Zip: 53149

Phone Number: _____ Is organization a 501(c)3? Yes: _____ No: _____

Website Address: https://phantomlakes.us/

Revised 5/2022

## TERMINATION OF AN EVENT

The Village reserves the right to shut down an 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 park facilities use 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.

Applicant Signature

2-7-2025
Date

Jake Jagmin
Print Name

---

Office Use Only

| Fees Paid | Receipt # | Deposit Returned | Key # Issued | Key Returned |
|---|---|---|---|---|
| | | | | |

Department Approval

Administrator _____ Building Inspection _____ Fire _____ DPW _____

Police _____ Utilities _____

Revised 5/2022

# VILLAGE OF MUKWONAGO

**Please read through each of the items below and <u>initial each line</u> to signify that you have read, understand, and agree.**

JJ ____ Reservations are dependent upon availability.

NA ____ Keys are responsibility of the Applicant to check out at Village Hall, no greater than 48 hours in advance of your event. After completion of the event, keys can be placed in the drop box behind Village Hall. Lost keys will result in re-keying charges. No keys needed, Village Police to lock restrooms at 8pm.

NA ____ The buildings are not to be left unlocked or unattended at any time. Any damages resulting from being left unattended will be the responsibility of the Applicant.

JJ ____ The Applicant should review the facility at opening and complete "Pre-Event" inspection of the Facility Checklist. Any pre-existing damages or problems must be identified at that time.

JJ ____ Banners at parks: Banners are responsibility of Applicant. Banners may only be put up 2 weeks prior to the event at the park. Banners are limited in size to 5 ft x 7 ft (35 Sq Ft)

JJ ____ Parking is <u>only</u> allowed in designated parking areas. ***Performance Stage***: NO vehicles are allowed on the path without prior approval from the Public Works Director or designee. 5 Star Fireworks to park truck and trailer on the grass during setup.

JJ ____ Following the event, a representative from the Public Works Department will conduct a "Post-Event" inspection and complete the Facility Clecklist. The applicant will be notified if the facility was found in unsatisfactory condition.

JJ ____ Layout: A sketch of the event area, toilet facilities, concession area, and parking areas shall be submitted with the application. Please include layout map. Attached is the map used in the past. DPW to install/remove posts, FD to install caution tape onto posts and place barricades to close the car parking lot. Setup zone starts at 3pm and expands to the keep out zone at 8pm. PLMD will remove the cation tape the morning after the event when the area has been inspected for unexploded shells in daylight.

## <u>Cleaning/Damages</u>

JJ ____ Applicants shall be liable for any loss, damage or injury sustained by virtue of the activity conducted. Damage fee will be determined by the number of man hours required and/or cost for services or property replacement. JJ authorizing on behalf of PLMD. Liability is PLMD's responsibility.

NA ____ <u>There are no decorations allowed to be affixed to the Ceiling.</u> Applicant must adhere to the required post event clean up items on the facility checklist. Any items left incomplete may result in a forfeit of any or all of the damage deposit. Additional clean up charges will be billed at $50 per ½ hour.

JJ ____ Applicant agrees to abide by all Park Rules, Regulations, and Ordinances of the Village of Mukwonago.

JJ ____ The applicant of this rental agreement shall be solely responsible for any violation, damages to the building and cleaning of the building. Any repair costs for damages will be withheld from damage deposit, direct billed to applicant or charges as a special assessment against the applicant's property tax bill. JJ authorizing on behalf of PLMD. Liability is PLMD's responsibility.

JJ Once approval has been granted, the Village Board, Village Administrator, Chief or Police, or Public Works Director may revoke same if it is deemed that such action is justified by an actual or potential emergency to weather, fire, riot, or administrative or clerical error. No fee would be charged for cancelation by a Village Officer. FD to confirm valid and proper insurance certificates are in place prior to the event. [The contractor (5-star fireworks) does not renew his annual insurance policy until approximately May (as has occurred in years past)]

JJ Applicant agrees to indemnify and hold harmless for all expenses, liability, and/or claim arising out of harm or activity of attendees to the event. For certain events, the Village may require the applicant to file evidence of insurance in force or other evidence of adequate financial responsibility. The Village may also require the applicant to provide trained security personnel at event, if necessary.

JJ authorizing on behalf of PLMD. Liability is PLMD's responsibility.

JJ Security and Protection: The sponsor of any event shall be responsible for adequate uniformed security personnel. A security plan shall be furnished at least seven (7) days prior to the date of the event for Police Department approval. *NOTE:* Check with Police Department to see if off-duty or reserve police officers would be available for event. Only security personnel approved by the Mukwonago Police Department may be used.

PLMD will coordinate with the Village Police Cheif, Town Police Chief, Village DPW, Fire Chief and Village Parks and Recreation

JJ Parking Space(s) on Village streets or Village Owned Parking Lot: Parking of cars shall be on paved areas only. Heavy vehicles on grassy areas for loading and unloading must be authorized the Public Works Director or designee. The Police Department shall be notified in advance if traffic control is needed on public thoroughfares. 5 Star Fireworks to park truck and trailer on the grass during setup.

NA Fires: All fires must be in personal grills or designated fireplaces.

JJ Clean-up: Cleaning of the park is the responsibility of the organizer. The event area shall be maintained in an orderly manner during the event and final clean-up shall commence immediately post event. If clean-up is not completed by the end of the next business day, Village personnel shall be utilized and a bill, minus the deposit will be issued to the organizer. Future use of Village facilities may be revoked.

Cleaning to be conducted immediately after the event with flashlights. Debris will be picked up the following morning before 10am

**Please respond YES or NO to the following questions. Please supply additional information if required.**

YES **Insurance Requirements (Required for Special Event):** If YES, the Applicant will provide evident 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.

Fire Chief Stein to verify valid insurance document in place prior to the event. Anticipated availability is May 2025.

NO **Sales:** If YES, attach a list of all vendors and products for sale.

# VILLAGE OF MUKWONAGO

NO **Electricity**: If YES, list pavilions where electricity is needed. ***Performance Stage***: Power Requirements: ____ 110V 20 Amp _____ 110V 30 Amp _____ 110V 50 Amp

NO **Food/Non-Alcoholic Beverages:** If YES, the necessary permits and related information for the sale of food shall be obtained from the Waukesha County Health Department (262-896-8300).

YES **Street Usage/Roadway Closure:** If YES, if the event is in the street, street barricades are required. What type and How many barricades will be required? _____

Caution tape around setup and 'keep out' zone, barricades to close car parking lot or no parking after 8 pm signs. DPW and FD to be responsible for installation of caution tape and barricades.

NO **Parking Space(s) on Private Lots:** IF YES, if parking in private lots near the event is required, the applicant shall obtain written permission from the adjacent property owners directly.

NO **Alcohol Served:** If YES, if beer or other fermented malt beverages are sold, a Temporary Class "B"/"Class B" Retailer's License must be completed and turned in with payment with the rental application. Please list the number of Village of Mukwonago licensed bartenders that will be on site: _____

NO **Admission or Gate Fee Charged:** If YES, explain in detail the reason for the fee.

NO **Loudspeakers and/or Amplification:** If YES, will it be a: Band ____ DJ ____ Other ____ What are the hours be? _____ All noise (loudspeakers and/or amplification ends at 11 p.m.

NO **Tents, Canopies, or Other Temporary Structures:** 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.

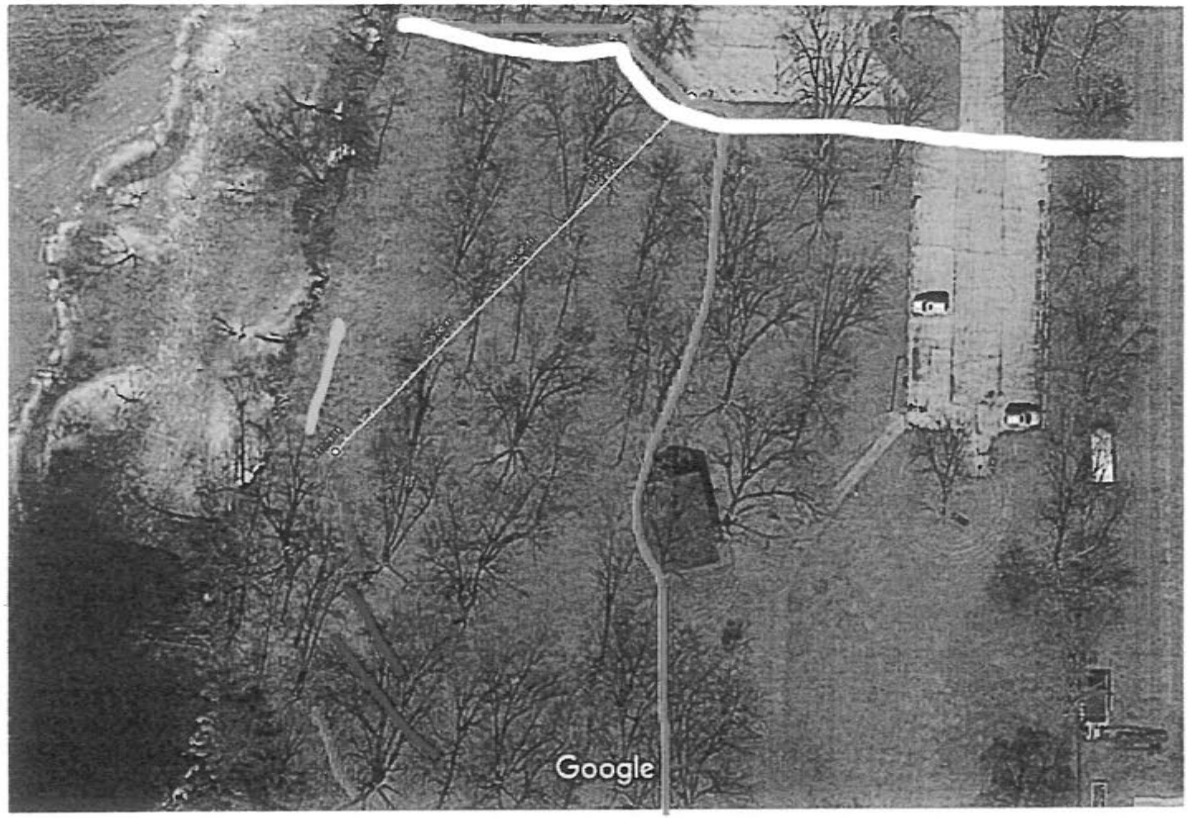
NO **Inflatable Devices:** If YES, number and location of devices.

NO **Additional Port-a-Pots:** If Yes, using the information below, will your event require Portable Restrooms? Majority of Phantom Glenn park to be closed to spectators during the event due to the safety distances required.

Determining if you need additional port-a-pots. Attendance at the function exceeds 300 people. Any damage will be the responsibility of the sponsoring group. The shall be clean, usable, properly enclosed, emptied when full, and a minimum 100 feet from food preparation areas. They shall be removed the next regular business day. The following schedule should be followed:

301-400 persons – 3 port-a-pots (1 for the men & 2 for the women)
401-500 persons – 6 port-a-pots (2 for the men & 4 for the women)
501-600 persons – 9 port-a-pots (3 for the men & 6 for the women)

**for additional 250 persons over 600, an additional port-a-pot for each sex will be required**



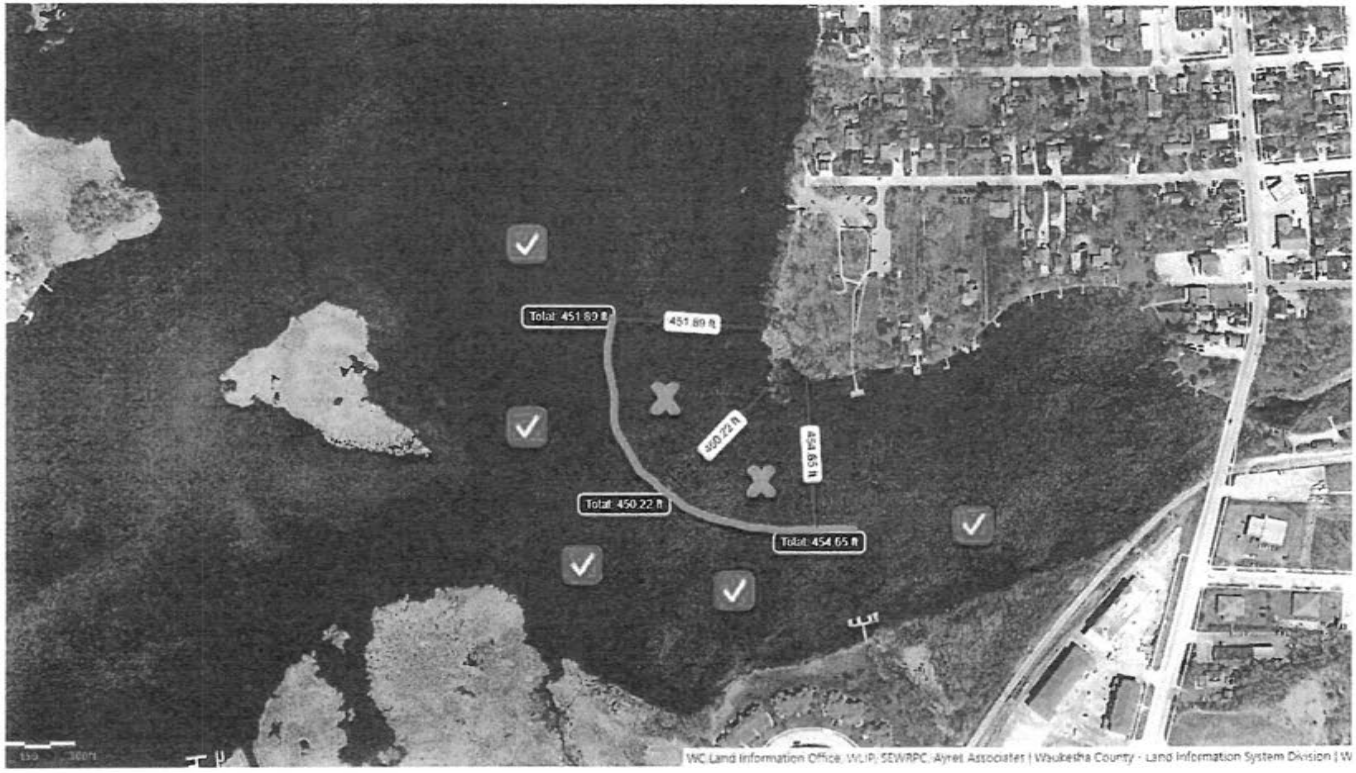

White line represents posts and caution tape that shall be installed by 8PM to create the keep out zone. Bathrooms should be locked by Village Police at 8PM.

No cars are to be within the car parking lot after 8PM. DPW/FD/Police to place barricades prior to this time or utilize no parking after 8pm signs.

Orange line represents posts and caution tape that shall be installed by 3PM to create the setup area. Contractor to park a truck and/or trailer within this area during setup. Bathrooms to remain accessible until 8PM.

Red line represents 5" shell launch area
Blue line represents 4" shell launch area
Green line represents 3" shell launch area
Yellow line is for "cakes" launch area

Caution tape will be removed by PLMD after the area is inspected for unexploded shells in the daylight and any additional firework debris is picked up. This will be completed no later then 10am the morning following the event. (Contractor will also inspect and clean up directly after the fireworks display using flashlights).




Lake patrol to keep boats 450' away from launch site, during the fireworks display. Boat launch will remain open.

# FIVE STAR FIREWORKS, CO.

Mystic Fireworks, Inc., d/b/a Five Star Fireworks
P. O. Box 143
Oconomowoc, WI 53066-0143
Telephone (262)569-7820; Cell (262)490-4164
www.fivestarfireworks.com


**THIS AGREEMENT** is made this 16th day of January, 2025, between:

**Mystic Fireworks Inc. d/b/a**
**FIVE STAR FIREWORKS**

- and -

**CUSTOMER,** Phantom Lake Management District, P.O. Box 391, Mukwonago, WI 53149

Customer agrees to engage Mystic Fireworks, Inc. d/b/a Five Star Fireworks, ("Five Star") to shoot a fireworks show ("Show") on July 3, 2025 at Phantom Lake Park.

Customer agrees to pay Five Star the total price $6,500.00, subject to modification for changes, for the labor, shooting and furnishing of fireworks for the Show referenced above.

A non-refundable down payment of $2,000.00 shall be made by May 1, 2025. The remaining amount is due 35 days after the display.

Five Star and the Customer agree as follows:

## FIREWORKS EXHIBITION TERMS AND CONDITIONS

1. **Parties.** This contract engages the services of Five Star to produce and perform pyrotechnic displays over a one-year period for the Customer as referenced above.

2. **Product.** Five Star agrees to furnish to Customer a fireworks display Show containing the fireworks indicated on the attached Exhibit "A" which is a list of the purchased fireworks to be used for the Show.

3. **Supply.** In the event any of the fireworks listed in Exhibit "A" should not be available through no fault of Five Star, Five Star reserves the right to substitute said fireworks with comparable fireworks without further notice. Any said substitutions will be of equal or greater value to Customer and will not affect the "look" or "feel" of the Show.

4. **Date.** The date of the Show shall be for July 3, 2025.

5. **Weather.** In case of inclement weather, the displays will be rescheduled for another day and time as mutually agreed but not July 4th. In the event inclement weather forces the cancellation of the Show and said Show is not rescheduled, Customer shall pay a restocking charge of 15% of the cost of the Show or $1,500.00.

6. **Financing/Sponsorship.** Should a Customer lose funding for the Show or a sponsor of the Show withdraws funds, the Customer must give written notice of same to Five Star indicating what amount of funds were lost and what is the new budget for the Show. Notice must be received before the end of April of the year the Show is to be produced. The Customer will have the following options:

a. **Cancellation.** If the funds available for the Show are less than the amount necessary to conduct a reasonable Show, then the contract for that year may be canceled. If the Customer has additional years remaining on its contract, then the Customer must make all reasonable efforts to secure financing for the remaining Shows. Cancellation of the contract due to lack of funds does not free Customer of the terms of this Contract or allow Customer to search out other fireworks companies to shoot the Show.

b. **Reorganization.** After informing Five Star of the loss of funds, Customer can arrange with Five Star a reorganization the Show given the new amounts available. If notice is received less than thirty (30) days prior to the Show, any cancellation or change will be disallowed. Five Star reserves the right to refuse cancellation or reorganization of the Show based on its own judgment of the facts in any given situation.

7. **Personnel.** Five Star shall provide qualified personnel who will handle the delivery, set-up and execution of the display fireworks, as well as appropriate clean-up of the display area. Said personnel are under the direct control and supervision of Five Star. Any changes in the Show or information regarding the Show on the date of the Show must be referred to the site supervisor.

8. **Safety.** Five Star shall take all safety precautions with respect to the Show, shall comply with all safety measures required by the Contract, and with all applicable laws, ordinances, rules, regulations and lawful orders of any public authority for the safety of persons or property at the Show. The following provisions are also necessary for the safety of the Show:

a. **Area.** Customer shall provide Five Star with sufficient area to shoot said Show in a safe and reasonable manner in accordance with NFPA guidelines and standards.

b. **Police and Fire.** Customer shall provide all necessary police and fire personnel, as well as any other appropriate protection necessary. This includes, but is not limited to contact with the police and fire departments in the area, providing private security as necessary, providing access to fire suppression equipment and water, and any other necessary safety personnel or equipment.

c. **After-Show Inspection and Clean-Up.** Five Star will, to the best of its ability, conduct a search of the grounds after the Show, in an effort to dispose of any unexploded shells and for a general clean-up of the area. The extent of this inspection and clean-up may be affected by other commitments, inclement weather, or other unforeseeable circumstances, including, but not limited to; fire, lighting, rain, snow, or any other factors that hamper its after-show inspection and clean-up.

d. **Morning Search.** Customer explicitly acknowledges and accepts responsibility to conduct a search of the grounds and surrounding area the morning after the Show. Customer acknowledges that this search is of critical importance. If any unexploded or defective fireworks are found that were missed during Five Star inspection the previous evening, Customer shall notify Five Star immediately for further instructions concerning proper disposal.

9. **Hold Harmless.** To save harmless Five Star and all other workers or subcontractors from any and all losses or damage (including, without limiting the generality of the foregoing, legal fees and disbursements paid or incurred by Five Star to enforce the provisions of this Contract) occasioned by

the failure of the Customer to carry out the provisions of this Contract unless such failure results from causes beyond the control of the Customer.

10. **Non-Assignment.** Not to assign or sub-let this Contract, or any part thereof, and not to assign any money due or to become due hereunder without first obtaining the written consent of the Customer hereto.

11. **Permits.** The customer and Five Star will be responsible for obtaining all necessary permits for the Show. Failure to obtain permits may result in cancellation of the Show.

12. **Entire Agreement.** This Agreement constitutes the entire Contract of the parties. It is expressly agreed that no statement, arrangement, warranty, or understanding, oral or written, express or implied, will be recognized unless it is stated in, or otherwise permitted by, this Agreement. Customer warrants that the person executing this Agreement, and any subsequent change orders, has legal authority to do so. Customer acknowledges review and approval of the entire Agreement before execution. This Agreement is not assignable by either party without the other□ consent.

13. **Debt or Obligations.** Each party shall be responsible for its separate debts and obligations.

14. **Payment.** The cost of each display shall be $6,500.00, and the cost of $2,000,000.00 liability insurance shall be included, for a total amount due of $6,500.00. The Customer shall pay a non-refundable deposit in the amount of $2,000.00 by May 1, 2025. The remaining balance shall be due and payable 35 days after the evening of the Show. A 5% financing charge shall be applied per month until the receipt by Five Star of any unpaid balance.

15. **Indemnification.** Five Star shall indemnify Customer against all liability to any person for or by reason of any condition, whether defective or otherwise, of any fireworks, apparatus, equipment, or fixtures furnished by Five Star in connection with the Show, and against all liability to any person for or by reason of any act of omission of Five Star or any of its agents or employees.

16. **Severability.** The invalidity of any part of this Agreement shall not be deemed to affect the validity of any other part. In the event that any provision of this Agreement is held to be invalid, the parties agree that the remaining provisions shall be deemed to be in full force and effect as if they had been executed by both parties subsequent to the expungement of the invalid provisions.

17. **Access.** Customer agrees to maintain access for Five Star to the display area, to keep the site free from obstructions, and to obtain permission for Five Star to gain access through any property as necessary to facilitate the shooting of the Show. Customer shall be solely responsible for all risk, shall hold Five Star harmless and free of liability, and shall compensate for any damage or costs arising out of such access or the failure to maintain access.

18. **Protection of Customer's Property and Site.** Customer agrees to remove or protect any personal property inside and outside the display area. Five Star shall take reasonable efforts to avoid damage to existing property, and in such event, shall not be responsible for damage to the Customer's property or any other property in the area where the Show was shot, including existing walks, driveways, telephone or electric lines, lawn, shrubs, trees, homes or other property whether caused in whole or in part by Five Star, its employees or subcontractors, or their suppliers in the performance of the Show or in the delivery of materials to the display site.

19. **Insurance.** Five Star shall maintain workers compensation and general liability insurance (in an amount of $2,000,000.00), as necessary, either though itself or its parent company, Five Star Fireworks, Corp. Customer, as appropriate, shall maintain homeowners insurance covering all

physical loss to any structure or buildings near the display area, and expressly including, but not be limited to; coverage for multiple perils, collapse, fire, weather damage, theft, vandalism and malicious mischief, naming Five Star as additional insured. Customer assumes all risk of loss during the Show, save for what is covered under the policies held by Five Star on its behalf. It is the Customer responsibility to contact their insurance agent and inform them of the necessary required coverage or assume any loss not covered by their insurance carrier.

20. **Alternative Dispute Resolution**. In the event that either party requests, in writing, that a dispute relating in any way to this Agreement be resolved by mediation, the other party to this contract *must* proceed to mediate the dispute prior to filing a lawsuit. In the event mediation is requested, the mediation shall be conducted by the Mediation Service of the Metropolitan Builders Association of Greater Milwaukee or any other mediator or group that the parties can mutually agree to. Disputes that are subject to mandatory mediation include, but are not limited to contractual disputes and disputes directly relating to the Show or to the provision of services and/or materials for the Show. The parties agree, in the event the dispute proceeds to mediation, that they will make a good faith effort to resolve their dispute(s) through the mediation process and that they will abide by the MBA Mediation Service policies and procedures.

21. **Waiver.** Customer's commencement of litigation against Five Star for breach of contract or other dispute(s) prior to providing the notice required above, shall be deemed a waiver of any and all claims Customer may have had against Five Star for breach of contract or other dispute(s).

22. **Acceptance.** In executing this Agreement, Customer represents that Customer has the necessary financial resources to fulfill its obligations under this Agreement and has the legal authority to execute this Agreement.

By signing this Agreement, Customer represents and warrants that: (1) they have the authority to execute this Agreement for the Show; and (2) they have reviewed and approved the Agreement and the attached Exhibit "A." This Agreement shall become binding on Five Star and Customer upon signing below.

**Submitted by Five Star:**

By:_____ Date: 1-26-25
Tim Heinecke, President

The undersigned Customer certifies that he/she has carefully read this entire Agreement before signing below and acknowledges receipt of a copy of the entire Agreement at the time of signing.

**Accepted by Customer:**

By: Joseph H. Gracyk Jr. Date: 23 Jan 25
Joseph H. Gracyk Jr

**Accepted by Five Star:**

By:_____ Date:_____
Tim Heinecke, President

Rain date 5 July 2025 JHG.

PAID
MAR 2 6 2025

# 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: 3-3-2025

☐ 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 8-22-25 and ending 8-24-25 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 St. James Catholic Church

(b) Address 830 E. Veterans Way (Street) ☐ Town ☒ Village ☐ City

(c) Date organized _____

(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 Jim Hepp

Vice President John Langenohl

Secretary Michelle Millard

Treasurer St. James office - Chrystal Arnett

(g) Name and address of manager or person in charge of affair: Jim Hepp [redacted]

**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 830 E. Veterans Way

(b) Lot _____ Block _____

(c) Do premises occupy all or part of building? Part- Activity Center

(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: Activity Center

**3. Name of Event**

(a) List name of the event St. James Parish Festival

(b) Dates of event 8-22-25 thru 8-24-25

## 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 / Date) _____ (Name of Organization)

Date Filed with Clerk _____ Date Reported to Council or Board _____

Date Granted by Council _____ License No. _____

AT-315 (R. 9-19) Wisconsin Department of Revenue

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

PAID

APR 07 2025

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

FEE $ 30.00

Application Date: 4/7/25

☐ 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 June 5th, July 17th, July 31st and ending 6pm-9pm 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, Mukwonago, WI 53149 (Street) ☐ Town ☒ Village ☐ City

   (c) Date organized 8/1/1989

   (d) If corporation, give date of incorporation N/A

   (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 Cathy Schultz, Mukwonago
   Vice President Rod Vick, Mukwonago
   Secretary Alexis McCarthy, Waukesha
   Treasurer Nancy VanDeslunt, Mukwonago,

   (g) Name and address of manager or person in charge of affair: Hannah Haselberg, [redacted]

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 Junction Stage/arcade event area

   (b) Lot _____ 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 Concert/Event Dates

   (b) Dates of event June 5th, July 17th, & July 31st

## 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] 4/7/25 (Signature / Date)

Mukwonago Food Pantry (Name of Organization)

Date Filed with Clerk 4/7/25

Date Reported to Council or Board _____

Date Granted by Council _____

License No. _____

VILLAGE OF MUKWONAGO
440 RIVER CREST CT
MUKWONAGO, WI 53149
Phone : (262) 363-6420

Received From: MUKWONAGO FOOD PANTRY
Date: 04/07/2025 Time: 11:49:59 AM
Receipt: 93770
Cashier: SZERFAS

OPERATOR LIC 25/26, LIQ LIC 3 EVENTS 2025, PJS VENDOR FEE X3

| ITEM REFERENCE | AMOUNT |
|---|---|
| 125 Special Event Permit | |
| PJS VENDOR 6.5, 7.17, 7.31.25 | $150.00 |
| 121 Operators License | |
| Operators License | $35.00 |
| 121.1 WI DOJ - Background Checks | |
| WI DOJ - Background Checks | $10.00 |
| 118 Liquor & Malt License | |
| TEMP LIQ LIC X3 PJS EVENTS | $30.00 |
| TOTAL | $225.00 |
| Check 393 | $225.00 |
| Total Tendered: | $225.00 |
| Change: | $0.00 |

OAIC # 46

Form **AB-101**

# Alcohol Beverage Appointment of Agent

Date

**Agent Type** *(check one)*

☑ ~~Original~~ (no fee) ☑ Successor ($10 fee for municipal licensees only)

## Part A: Business Information

1. Legal Business Name (individual name if sole proprietor)
ALDI INC. (WISCONSIN)

2. Business Trade Name or DBA
ALDI #46

3. Entity Type *(check one)*
☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization

4. Alcohol Beverage Business Authorization *(check one)*
☑ Municipal Retail License ☐ State Permit

5. If successor agent, provide State Permit or Municipal Retail License Number
2024-5

6. Describe the reason for appointing a successor agent, if successor is checked above.
~~N/A~~ Agent/Manager Change

## Part B: Agent Information

| 1. Last Name | 2. First Name | 3. M.I. |
|---|---|---|
| Fait | Matthew | C |

4. Email [redacted] 5. Phone

## Part C: Agent Questions

1. Have you satisfied the responsible beverage server training requirement? Submit proof of completion. ☑ Yes ☐ No

2. Have you completed Form AB-100, *Alcohol Beverage Individual Questionnaire*? Submit a completed Form AB-100 with this form. ☑ Yes ☐ No

3. Have you been a Wisconsin resident for at least 90 continuous days? See instructions for exceptions. ☑ Yes ☐ No

*Continued →*

OAK 46

## Part D: Business Attestation

READ CAREFULLY BEFORE SIGNING: I, the **Undersigned**, authorize the above-named individual to act for the above-named corporation, nonprofit organization, or limited liability company with full authority and control of the premises and of all alcohol beverage activities on such premises. I certify that I am authorized by the above-named entity to authorize this individual to act on behalf of the entity. If I am appointing a successor agent, I rescind all previous agent appointments for this premises. Further, I understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| BEATTIE | PHILIP | J |

| Title | [redacted] |
|---|---|
| ASSISTANT TREASURER | |

| Signature | Date |
|---|---|
| [signature] | 3/21/2025 |

## Part E: Agent Attestation

READ CAREFULLY BEFORE SIGNING: I, the **Agent**, herby accept this appointment as agent for the above-named corporation, nonprofit organization, or limited liability company and assume full responsibility for the conduct of all alcohol beverage activities on the premises for the above-named business. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Fait | Matthew | C |

| Signature | Date |
|---|---|
| [signature] | 3/31/25 |

360 TRAINING

# LEARN 2 SERVE™

## CERTIFICATE OF COMPLETION

This certifies that

Matthew Fait

is awarded this certificate for

Wisconsin Responsible Beverage Server Training

| Completion Date | Expiration Date | Certificate # |
|---|---|---|
| 03/31/2025 | 03/31/2027 | |

Official Signature

This certificate is non-transferable and represents the successful completion of an approved Wisconsin Department of Revenue Responsible Beverage Server Course in compliance with secs. 125.04(5)(a)5., 125.17(6), and 134.66(2m), Wis. Stats.

6504 Bridge Point Parkway, Suite 100 | Austin, TX 78730 | www.360training.com

# RESOLUTION 2025-08

## A RESOLUTION AUTHORIZING AND DIRECTING THE PROPER VILLAGE OFFICIAL(S) TO ISSUE THE LIQUOR LICENSE RENEWALS FOR THE PERIOD OF JULY 1, 2025, TO JUNE 30, 2026

**WHEREAS** the Clerk/Treasurer's office has received applications for Liquor License renewals for the period of July 1, 2025, to June 30, 2026, for the following businesses:

**Combination "Class A" Intoxicating Liquor & Class "A" Fermented Malt Beverage:**

- 909 Greenwald Enterprises, INC d/b/a Mukwonago Amoco, 909 Greenwald Ct, Judith Schwartz, Agent
- Aldi, INC d/b/a Aldi #46, 111 E Wolf Run Rd, Matthew Fait, Agent
- Khasria Two, INC d/b/a Village Wine & Liquor, 712 Main St, Harjinder Khasria, Agent
- Kwik Trip, INC d/b/a Kwik Trip #282, 1212 N Rochester St, Susan Michealson, Agent
- Navjot 159 LLC d/b/a Town Liquor & Food, 411 Main St, Sukpreet Randhawa, Agent
- Ultra Mart Foods, LLC d/b/a Metro Market #384, 1010 N Rochester St, Rick Kloth, Agent
- Walgreen Co. d/b/a Walgreens #07039, 212 N Rochester St, Brian Marinello, Agent
- Wal-Mart Stores East, LP d/b/a Walmart #1571, 250 Wolf Run, Charles Burns, Agent
- Wind Lake Beverage d/b/a Aman's Beer & Wine, 110 Chapman Blvd, Amandip Singh, Agent

**Class "A" Fermented Malt Beverage:**

- 122 Arrowhead Enterprises, INC, d/b/a Arrowhead BP, 122 Arrowhead Dr, Judith Schwartz, Agent
- 1060 Rochester Enterprises, INC d/b/a Rochester BP, 1060 N Rochester St, Judith Schwartz, Agent

**Combination "Class B" Liquor & Class "B" Fermented Malt Beverage:**

- American Legion Post #375 d/b/a American Legion Post #375, 627 Veteran's Way East, Tammy Stelter, Agent
- Blue Bay INC, Blue Bay Restaurant, 927 Main St, Vlaznim Islumi, Agent
- The Boneyard Pub & Grille, INC d/b/a Boneyard Pub & Grille, 215 Bay View Rd, James Jones, Agent
- FJ Partners, LLC d/b/a Sol de Mexico, 507 Main St, Jose Jaimes-Lopez, Agent
- Jay's Lanes, INC d/b/a Jay's Lanes, 326 Atkinson St, Jeffrey Jay,

Agent
- Sandys Miller Time LLC d/b/a Sandys Miller Time, 701 Main St, Brian Anspach, Agent
- Take A Big Bite, INC d/b/a Fork in the Road Restaurant, 215 N Rochester St, Therese Hennessy, Agent
- Wind Lake Beverage d/b/a The Terrance at Aman's, 110 Chapman Blvd, Amandip Singh, Agent

**Combination Reserve "Class B" Liquor & Class "B" Fermented Malt Beverage:**
- Crush LLC d/b/a Crush Wine Bar and Social, 110 Main St, Paul Kwiecien, Agent
- DAA Smokehouse LLC d/b/a David Alan Alan's Smokehouse & Saloon, 325 Bay View Rd, Ste D/E, Tina O'Bryan, Agent
- El Pueblo, INC d/b/a Antigua Real Restaurant, 355 Bay View Rd, Marco Alarcon Castillo, Agent
- The Elegant Farmer, INC d/b/a The Elegant Cork, 1541 Main St, Keith Schmidt, Agent

**WHEREAS**, the Committee of the Whole met on May 7, 2025, to consider the terms of the Liquor License renewal applications and, upon advisement from the Police Chief, recommends approval of all licenses; now therefore

**BE IT RESOLVED** by the Village Board for the Village of Mukwonago, that the proper official(s) be hereby authorized and directed to issue the Liquor License to these businesses contingent upon payment of all outstanding liabilities and delinquencies with the Village of Mukwonago and wholesaler invoices, and clearance of any Department of Revenue holds.

Dated and approved this 21st day of May, 2025.

VILLAGE OF MUKWONAGO
PLACE OF THE BEAR
19 05
WISCONSIN

_____
Fred Winchowky, Village President

Attest: _____
Lana Kropf, WCMC, Village Clerk-Treasurer

Form
**AB-200**

# Alcohol Beverage License Application

PAID
APR 15 2025

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☑ Class "A" Beer . . . . . $ 300
- ☐ Class "B" Beer . . . . . $ _____
- ☐ "Class A" Liquor . . . . . $ _____
- ☐ "Class B" Liquor . . . . . $ _____
- ☑ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ _____
- ☐ "Class C" Liquor (wine only) $ _____

| Fees | |
|---|---|
| License Fees | $ 300 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 335 |

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
122 ARROWHEAD ENTERPRISES INC.

2. Business Trade Name or DBA
ARROWHEAD BP

3. FEIN
84-3614081

4. Wisconsin Seller's Permit Number
456-1029906398-04

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization

6. State of Organization
WI

7. Date of Organization
11/05/2019

8. Wisconsin DFI Registration Number
0036563

9. Premises Address
122 ARROWHEAD DRIVE

10. City
MUKWONAGO

11. State
WI

12. Zip Code
53149

13. County
Waukesha

14. Governing Municipality: ☐ City ☐ Town ☑ Village
of: MUKWONAGO

15. Aldermanic District

16. Premises Phone
(262) 363-2371

17. Premises Email
[redacted]

18. Website
N/A

19. Premises Description - Describe the building or [redacted]ld, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
122 ARROWHEAD DRIVE, MUKWONAGO, WI 53149. BACKROOM, DISPLAYS THROUGHOUT THE STORE AND IN THE BEER CAVE

20. Mailing Address (if different from premises address)

21. City

22. State

23. Zip Code

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☐ Yes ☑ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| SCHWARTZ | DAVID | PRESIDENT | [redacted] |
| SCHWARTZ | KELLY | VICE PRESIDENT | |
| SCHWARTZ | JUDITH | AGENT | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| SCHWARTZ | DAVID | C |

| Title | Email | Phone |
|---|---|---|
| PRESIDENT | [redacted] | |

| Signature | Date |
|---|---|
| David Schwartz | 04/01/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/15/25 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☑ Class "A" Beer ..... $ 300
- ☐ Class "B" Beer ..... $ _____
- ☐ "Class A" Liquor ..... $ _____
- ☐ "Class B" Liquor ..... $ _____
- ☑ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ _____
- ☐ "Class C" Liquor (wine only) $ _____

| Fees | |
|---|---|
| License Fees | $ 300 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 335 |

## Part A: Premises/Business Information

PAID
APR 15 2025

1. Legal Business Name (individual name if sole proprietorship)
1060 ROCHESTER ENTERPRISES INC.

2. Business Trade Name or DBA
ROCHESTER BP

3. FEIN
84-3599356

4. Wisconsin Seller's Permit Number
456-1029891744-04

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization

6. State of Organization
WI

7. Date of Organization
11/05/2019

8. Wisconsin DFI Registration Number
0036562

9. Premises Address
1060 N ROCHESTER ST

10. City
~~n/an~~ Mukwonago

11. State
WI

12. Zip Code
53149

13. County
Waukesha

14. Governing Municipality: ☐ City ☐ Town ☑ Village of: MUKWONAGO

15. Aldermanic District

16. Premises Phone
(262) 363-4565

18. Website
n/a

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

Beer is located in displays throughout the store and in the cooler, back of the cooler, in the backrooms and in office. 1060 N Rochester St, Mukw

20. Mailing Address (if different from premises address)

21. City

22. State

23. Zip Code

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |

| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No |
|---|---|
| | |

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |

| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No |
|---|---|
| | |

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following titles or positions in the applicant business and any businesses listed in Part B, Question 3: sole proprietor: all officers, directors, and agents of a corporation: all partners of a partnership: and all members and agents of a limited liability company. Attach additional sheets if necessary.

Include Form CTV-101, *Individual Questionnaire*, for each person listed below.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| SCHWARTZ | DAVID | PRESIDENT | [redacted] |
| SCHWARTZ | KELLY | VICE PRESIDENT | |
| SCHWARTZ | JUDITH | AGENT | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one managing member of an LLC

**READ CAREFULLY BEFORE SIGNING:**

I understand and agree to the following:

- I will only purchase cigarettes, tobacco, and vapor products from distributors, jobbers, or subjobbers permitted by the Wisconsin Department of Revenue, unless I also hold the proper distributor's permit and pay all applicable excise taxes.
- I will not purchase or exchange products from another retailer, including transferring existing stock to a new owner.
- I will provide tobacco sales training that has been approved by the Wisconsin Department of Health Services to my employees. (https://witobaccocheck.org).
- I will not sell single cigarettes.
- I will not sell, give, or otherwise provide cigarettes, tobacco, or any nicotine products to minors.
- I will keep product invoices on the licensed premises for two years and ensure the records are available for inspection by law enforcement. Failure to comply with this will result in criminal penalties, including loss of inventory.
- I will not sell cigarettes or roll-your-own (RYO) tobacco products unless listed on the Wisconsin Department of Justice's directory of certified tobacco manufacturers and brands.

Further, under penalty provided by law, I state that this application has been truthfully answered to the best of my knowledge. I agree to operate this business according to law and that the rights and responsibilities conferred by the license(s), if granted, cannot be assigned to another. Any lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. Any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Signature | Date |
|---|---|
| David Schwartz | 04/02/2025 |

Name (Last, First, M.I.)
SCHWARTZ, DAVID C

| Title | Email | Phone |
|---|---|---|
| PRESIDENT | [redacted] | |

## Part E: For Clerk Use Only

| Date application was filed with clerk | Date license issued | Date license expires | License number |
|---|---|---|---|
| 4/15/2025 | | | |
| **License fees** | **Signature of Clerk/Deputy Clerk** | | |
| | | | |

OAK #46

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | V. Mukwonago |
| License Period | 7/1/25 - 6/30/26 |

**License(s) Requested:** (up to two boxes may be checked)

- ☑ Class "A" Beer ..... $ 400
- ☐ Class "B" Beer ..... $
- ☑ "Class A" Liquor ..... $ 400
- ☐ "Class B" Liquor ..... $
- ☐ "Class A" Liquor (cider only) $
- ☐ Reserve "Class B" Liquor $
- ☐ "Class C" Liquor (wine only) $

| Fees | |
|---|---|
| License Fees | $ 800 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 835 |

PAID APR 07 2025

pd 4/7/25

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): ALDI, INC. (WISCONSIN)
2. Business Trade Name or DBA: ALDI #46
3. FEIN: 36-3498392
4. Wisconsin Seller's Permit Number: 456000008901-04
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization
6. State of Organization: WI
7. Date of Organization: 12/02/1986
8. Wisconsin DFI Registration Number: A025780
9. Premises Address: 111 E WOLF RD
10. City: MUKWONAGO
11. State: WI
12. Zip Code: 53149
13. County: Waukesha
14. Governing Municipality: ☐ City ☐ Town ☑ Village of: MUKWONAGO
15. Aldermanic District:
16. Premises Phone: (262) 368-1214
17. Premises Email: [redacted]
18. Website: N/A
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

SINGLE STORY BRICK BUILDING. ALCOHOL WILL BE SOLD ON THE SALES FLOOR AND STORED IN THE BACKROOM. ALCOHOL SALES RECORDS WILL BE KEPT IN THE OFFICE AT THE STORE.

20. Mailing Address (if different from premises address): 9342 S 13th Street
21. City: Oak Creek
22. State: WI
23. Zip Code: 53154

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| N/A | | |

| Penalty Imposed | Was sentence completed? ..... |
|---|---|
| N/A | ☐ Yes ☐ No |

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| N/A | | |

| Penalty Imposed | Was sentence completed? ..... |
|---|---|
| N/A | ☐ Yes ☐ No |

OAK 46

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

N/A

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

N/A

4. Is the applicant business owned by another business entity? ☑ Yes ☐ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| ALDI INC. (BATAVIA, IL) | 42-1051659 |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| BEHM | DAVID K. | CFO | [redacted] |
| BEATTIE | PHILIP J. | ASST. TREASURER | |
| FAIT | MATTHEW C. | MANAGER | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| BEATTIE | PHILIP | J |

| Title | Email | Phone |
|---|---|---|
| ASSISTANT TREASURER | [redacted] | |

Signature [signature] 3/21/2025

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/7/2025 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Save Print

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | VILLAGE OF MUKWONAGO |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☑ Class "A" Beer . . . . . $ _____
- ☐ Class "B" Beer . . . . . $ _____
- ☑ "Class A" Liquor . . . . . $ _____
- ☐ "Class B" Liquor . . . . . $ _____
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ _____
- ☐ "Class C" Liquor (wine only) $ _____

| Fees | |
|---|---|
| License Fees | $ 800 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 835 |

PAID
APR 28 2025

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
WIND LAKE BEVERAGE INC

2. Business Trade Name or DBA
AMANS BEER + WINE

3. FEIN
30-0642080

4. Wisconsin Seller's Permit Number
456-1027274103-03

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization

6. State of Organization
WI

7. Date of Organization
2010

8. Wisconsin DFI Registration Number
W056809

9. Premises Address
110 Chapman Farm blvd

10. City
Mukwonago

11. State
WI

12. Zip Code
53149

13. County

14. Governing Municipality: ☐ City ☐ Town ☑ Village of: Mukwonago

15. Aldermanic District

16. Premises Phone
[redacted]

17. Premises Email
[redacted]

18. Website
www.amansbeer.com

[redacted]d, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

Alcohol is stored on the second floor and sold on retail floor

20. Mailing Address (if different from premises address)

21. City

22. State

23. Zip Code

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| Singh | Amandip | | |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| SINGH | AMANDIP | |

| Title | Email | Phone |
|---|---|---|
| OWNER | [redacted] | |

| Signature | Date |
|---|---|
| Amandip | 4/28/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/28/2025 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form
**AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Mukwonago Village of |
| License Period | July 1, 2025 – June 30, 2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☒ Class "A" Beer . . . . . $ 300⁻
- ☐ Class "B" Beer $ _____
- ☒ "Class A" Liquor . . . . . $ 500⁻
- ☐ "Class B" Liquor $ _____
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ _____
- ☐ "Class C" Liquor (wine only) $ _____

| Fees | |
|---|---|
| License Fees | $ 800⁻ |
| Background Check Fee | $ 10⁻ |
| Publication Fee | $ 25⁻ |
| **Total Fees** | $ 835⁻ pd 4/2/25 |

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
Kwik Trip, Inc.

2. Business Trade Name or DBA
Kwik Trip 282

3. FEIN
39-1036365

4. Wisconsin Seller's Permit Number
456-000028761403

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☒ Corporation ☐ Nonprofit Organization

6. State of Organization
Wisconsin

7. Date of Organization
October 7, 1964

8. Wisconsin DFI Registration Number
1K04801

9. Premises Address
1212 N Rochester St

10. City
Mukwonago

11. State
WI

12. Zip Code
53149

13. County
Waukesha

14. Governing Municipality: ☐ City ☐ Town ☒ Village
of: Mukwonago Village of

15. Aldermanic District
- - - - -

16. Premises Phone
262-363-2513

[redacted]

18. Website
www.KwikTrip.com

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

One-story frame construction with storage in walk-in cooler, on sales floor, behind sales counter.

20. Mailing Address (if different from premises address)
Kwik Trip – Legal Dept., P.O. Box 2107

21. City
La Crosse

22. State
WI

23. Zip Code
54602-2107

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☒ Yes ☐ No
If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| **Please see enclosed list of retail store violations. | | |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| | | |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No

If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No

If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| --- | --- |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | [redacted] |
|---|---|---|---|
| Zietlow | Scott | CEO & President | |
| Wagner | David | CFO & Treasurer | |
| Michealson | Susan | Agent | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Zietlow | Scott | P |

| Title | [redacted] |
|---|---|
| CEO & President | |

| Signature | Date |
|---|---|
| Scott P. Zietlow | March 1, 2025 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/2/25 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | V. Mukwonago |
| License Period | 7/1/25 - 6/30/26 |

**License(s) Requested:** (up to two boxes may be checked)

- ☑ Class "A" Beer ..... $ 300
- ☑ "Class A" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ "Class C" Liquor (wine only) $ _____
- ☐ Class "B" Beer ..... $ _____
- ☐ "Class B" Liquor ..... $ _____
- ☐ Reserve "Class B" Liquor $ _____

| Fees | |
|---|---|
| License Fees | $ 800 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 835 |

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
Ultra Mart Foods, LLC

2. Business Trade Name or DBA
Metro Market #384

3. FEIN
39-6043054

4. Wisconsin Seller's Permit Number
456-0002831081-06

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☑ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization

6. State of Organization
WI

7. Date of Organization
11/23/1951

8. Wisconsin DFI Registration Number
1K02886

9. Premises Address
1010 N. Rochester Street

10. City
Mukwonago

11. State
WI

12. Zip Code
53149-8738

13. County
Waukesha

14. Governing Municipality: ☐ City ☐ Town ☑ Village of: Mukwonago

15. Aldermanic District

16. Premises Phone
(262) 363-3026

17. Premises Email
[redacted]

18. Website
metromarket.net

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
1 story grocery & liquor, in exterior parking stalls designated for pickup service for alcohol sold through the online clicklist service.

20. Mailing Address (if different from premises address)
Kroger Business License PO Box 305103

21. City
Nashville

22. State
TN

23. Zip Code
37230-5103

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |

| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No |
|---|---|
| | |

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |

| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No |
|---|---|
| | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☑ Yes ☐ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| Roundy's Supermarkets, Inc | 39-0854535 |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. *Does the applicant business owe past due municipal property taxes, assessments, or other fees?* ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| See Attached | Officer List | | |
| Kloth | Rick | Agent | [redacted] |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Fedder | Ann | M |

| Title | Email | Phone |
|---|---|---|
| Vice President | [redacted] | |

| Signature | Date |
|---|---|
| Ann Fedder Roundy's VP | 4/11/2025 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/12/25 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☑ Class "A" Beer ..... $ 300
- ☐ Class "B" Beer ..... $ _____
- ☑ "Class A" Liquor ..... $ 500
- ☐ "Class B" Liquor ..... $ _____
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ _____
- ☐ "Class C" Liquor (wine only) $ _____

| Fees | |
|---|---|
| License Fees | $ 800.00 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 835.00 |

## Part A: Premises/Business Information

PAID
APR 15 2025

1. Legal Business Name (individual name if sole proprietorship)
909 GREENWALD ENTERPRISES INC.

2. Business Trade Name or DBA
MUKWONAGO AMOCO

3. FEIN
84-3587532

4. Wisconsin Seller's Permit Number
456-1030181271-04

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization

6. State of Organization
WI

7. Date of Organization
11/05/2019

8. Wisconsin DFI Registration Number
N051363

9. Premises Address
909 GREENWALD CT

10. City
MUKWONAGO

11. State
WI

12. Zip Code
53149

13. County
Waukesha

14. Governing Municipality: ☐ City ☐ Town ☑ Village of: MUKWONAGO

15. Aldermanic District

16. Premises Phone
(262) 363-8345

17. Premises Email
[redacted]

18. Website
N/A

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
Beer and liquor will be stored in cooler, in displays throughout the store and in the backrooms at 909 Greenwald Court.

20. Mailing Address (if different from premises address)

21. City

22. State

23. Zip Code

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |

Penalty Imposed _____ Was sentence completed? ..... ☐ Yes ☐ No

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |

Penalty Imposed _____ Was sentence completed? ..... ☐ Yes ☐ No

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
*If yes, provide the name of the restricted investor and describe the nature of the interest.*

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☐ Yes ☑ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☑ Yes ☐ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☑ Yes ☐ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

*Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.*

| Last Name | First Name | Title | [redacted] |
|---|---|---|---|
| SCHWARTZ | DAVID | PRESIDENT | |
| SCHWARTZ | KELLY | VICE PRESIDENT | |
| SCHWARTZ | JUDITH | AGENT | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** *Under penalty of law, I have answered each of the above questions completely and truthfully.* I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| SCHWARTZ | DAVID | C |

| Title | Email | Phone |
|---|---|---|
| PRESIDENT | [redacted] | |

| Signature | Date |
|---|---|
| David Schwartz | 04/02/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/15/25 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Save | Print | Clear

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025 - 2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☑ Class "A" Beer . . . . . $ 300
- ☐ Class "B" Beer . . . . . $ 100
- ☑ "Class A" Liquor . . . . . $ 500
- ☐ "Class B" Liquor . . . . . $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 800 |
| Background Check Fee | $ 10 pd |
| Publication Fee | $ 25 pd 4/15/25 |
| **Total Fees** | $ 835 |

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
Navjot 159 llc

2. Business Trade Name or DBA
Town Liquor & Food

3. FEIN
99-4950283

4. Wisconsin Seller's Permit Number
456-1031840815-02

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☑ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization

6. State of Organization
Wisconsin.

7. Date of Organization
9/16/2024

8. Wisconsin DFI Registration Number
N062652

9. Premises Address
411 Main St

10. City
Mukwonago

11. State
WI

12. Zip Code
53149

13. County
Waukesha

14. Governing Municipality: ☐ City ☐ Town ☑ Village of: Mukwonago

15. Aldermanic District

16. Premises Phone
[redacted]

17. Premises Email
[redacted]

18. Website

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
Alcohol products store at first floor and back area Storage
are sell at First floor area

20. Mailing Address (if different from premises address)

21. City

22. State

23. Zip Code

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |

Penalty Imposed

Was sentence completed? . . . . . ☐ Yes ☐ No

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |

Penalty Imposed

Was sentence completed? . . . . . ☐ Yes ☐ No

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☐ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| Randhawa | Sukhpreet | Owner | [redacted] |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Randhawa | Sukhpreet | |

| Title | [redacted] |
|---|---|
| Owner | |

| Signature | Date |
|---|---|
| Sukhpreet Singh | 04-14-2025 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/15/2025 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Khasria two liquor

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☑ Class "A" Beer ..... $ 300
- ☐ Class "B" Beer ..... $ 100
- ☑ "Class A" Liquor ..... $ 500
- ☐ "Class B" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 800 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 835 |

pd 4/14/25

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): KHASRIA TWO, INC

PAID
APR 14 2025

2. Business Trade Name or DBA: Village Wine & Liquor

3. FEIN: 26-3853201

4. Wisconsin Seller's Permit Number: 456-1026751407-03

5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization

6. State of Organization: WISCONSIN

7. Date of Organization: 10/24/2018

8. Wisconsin DFI Registration Number: K038564

9. Premises Address: 712 MAIN ST

10. City: MUKWANAGO

11. State: WI

12. Zip Code: 53149

13. County:

14. Governing Municipality: ☑ City ☐ Town ☐ Village of: _____

15. Aldermanic District:

16. Premises Phone: [redacted]

17. Premises Email:

18. Website:

[redacted] stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

1ST FLOOR / Back Room

20. Mailing Address (if different from premises address):

21. City:

22. State:

23. Zip Code:

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| KHASRIA | HARJINDER | PRESIDENT/AGENT | [redacted] |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| KHASRIA | HARJINDER | |

| Title | [redacted] |
|---|---|
| PRESIDENT / AGENT | |

X

| Signature | Date |
|---|---|
| Harjinder Khasria | 04/12/2025 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | V. Mukwonago |
| License Period | 7/1/25 – 6/30/26 |

**License(s) Requested:** (up to two boxes may be checked)

- [X] Class "A" Beer . . . . . $ 300.00
- [ ] Class "B" Beer . . . . . $ _____
- [X] "Class A" Liquor . . . . . $ 500.00
- [ ] "Class B" Liquor . . . . . $ _____
- [ ] "Class A" Liquor (cider only) $ _____
- [ ] Reserve "Class B" Liquor $ _____
- [ ] "Class C" Liquor (wine only) $ _____

| Fees | |
|---|---|
| License Fees | $ 800.00 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 835.00 |

PAID APR 16 2025

† Cigarette - $100
† WFM $155

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): WALGREEN CO
2. Business Trade Name or DBA: WALGREENS #07039
3. FEIN: 36-1924025
4. Wisconsin Seller's Permit Number: 004-0000455404-01
5. Entity Type *(check one)*: [ ] Sole Proprietor [ ] Partnership [ ] Limited Liability Company [X] Corporation [ ] Nonprofit Organization
6. State of Organization: ILLINOIS
7. Date of Organization: 02/15/1909
8. Wisconsin DFI Registration Number: W066585
9. Premises Address: 212 N ROCHESTER ST
10. City: Mukwonago
11. State: WI
12. Zip Code: 53149-1313
13. County: Waukesha
14. Governing Municipality: [ ] City [ ] Town [X] Village of: Mukwonago
15. Aldermanic District:
16. Premises Phone: (262) 363-5235
17. Premises Email: mgr.07039@store.walgreens.com
18. Website: WWW.WALGREENS.COM
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

Retail drug store in a one-story building of 14,422 sq ft w/ sundries
20. Mailing Address (if different from premises address): PO BOX 901
21. City: DEERFIELD
22. State: IL
23. Zip Code: 60015

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. [ ] Yes [X] No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? . . . . . [ ] Yes [ ] No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? . . . . . [ ] Yes [ ] No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☒ Yes ☐ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| WALGREENS BOOTS ALLIANCE INC | 47-1758322 |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| SEE ATTACHED RIDERS | | | |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| BROWN | BRIAN | R |

| Title | Email | Phone |
|---|---|---|
| VICE PRESIDENT AND TREASURER | [redacted] | |

| Signature | Date |
|---|---|
| B.R.B | 4-14-25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form
**AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | V. Mukwonago |
| License Period | 7/1/2025 - 6/30/2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☑ Class "A" Beer . . . . . $ 300
- ☐ Class "B" Beer . . . . . $ _____
- ☑ "Class A" Liquor . . . . . $ 500
- ☐ "Class B" Liquor . . . . . $ _____
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ _____
- ☐ "Class C" Liquor (wine only) $ _____

| Fees | | |
|---|---|---|
| License Fees | $ | 800 |
| Background Check Fee | $ | 10 |
| Publication Fee | $ | 25 |
| **Total Fees** | $ | 835 |

pg 4/15/25

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
Wal-Mart Stores East, LP

2. Business Trade Name or DBA
Walmart #1571

3. FEIN
71-0862119

4. Wisconsin Seller's Permit Number
456-1020028180-05

5. Entity Type *(check one)*
☐ Sole Proprietor ☑ Partnership ☐ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization

6. State of Organization
DE

7. Date of Organization
11/09/2001

8. Wisconsin DFI Registration Number
W042856

9. Premises Address
250 Wolf Run

10. City
Mukwonago

11. State
WI

12. Zip Code
53149

13. County
Waukesha

14. Governing Municipality: ☐ City ☐ Town ☑ Village of: Mukwonago

15. Aldermanic District

16. Premises Phone
(262) 363-7500

[redacted]

18. Website
www.walmart.com

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
2440 W Mason St., Green Bay, WI 54303, 1 Room, 1 Story, Approximately 231,105 sq. ft.

20. Mailing Address (if different from premises address)

21. City

22. State

23. Zip Code

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☑ Yes ☐ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| Walmart Inc. | 71-0415188 |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| see attached | | | |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Little | Sarah | C |

| Title | Email | Phone |
|---|---|---|
| Assistant Secretary | [redacted] | |

| Signature | Date |
|---|---|
| Sarah | 04/07/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| April 15, 2025 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer ..... $ 300
- ☑ Class "B" Beer ..... $ 100
- ☐ "Class A" Liquor ..... $ 500
- ☑ "Class B" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ PAID 10 |
| Publication Fee | $ APR 11 2025 25 |
| **Total Fees** | $ 635 |

pd 4/11

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): Community American Legion Post 375
2. Business Trade Name or DBA: Same
3. FEIN: 39-6052691
4. Wisconsin Seller's Permit Number: 456-1020016060-03
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☐ Corporation ☒ Nonprofit Organization
6. State of Organization: Wisconsin
7. Date of Organization: 4/13/1935
8. Wisconsin DFI Registration Number: 0004273
9. Premises Address: 627 Veterans Way East
10. City: Mukwonago
11. State: WI
12. Zip Code: 53149
13. County: Waukesha
14. Governing Municipality: ☐ City ☐ Town ☒ Village of: Mukwonago
15. Aldermanic District:
16. Premises Phone: 262-363-3580
17. Premises Email: [redacted]
18. Website: http://www.post375.org
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

Bar room, hall, office, storage room in hall, electrical room off Bar

20. Mailing Address (if different from premises address):
21. City:
22. State:
23. Zip Code:

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101

| Last Name | First Name | Title | [redacted] |
|---|---|---|---|
| Mielke | George | 1st Vice Comm | |
| Plochocki | Steven | Judge Advocate | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Stelter | Tammy | m |

| Title | [redacted] |
|---|---|
| Agent | |

| Signature | Date |
|---|---|
| Tammy Stelter | 4/10/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer ..... $ 300
- ☑ Class "B" Beer ..... $ 100
- ☐ "Class A" Liquor ..... $ 500
- ☑ "Class B" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 |

pd 4/22

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): Blue Bay INC.
2. Business Trade Name or DBA: Blue Bay Restaurant
3. FEIN: 45-4456873
4. Wisconsin Seller's Permit Number: 456-1027546231-03
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization
6. State of Organization: Wisconsin
7. Date of Organization: 3/10/12
8. Wisconsin DFI Registration Number:
9. Premises Address: 927 main ST
10. City: Mukwonago
11. State: WI
12. Zip Code: 53149
13. County: Waukesha
14. Governing Municipality: ☐ City ☐ Town ☒ Village of: Mukwonago
15. Aldermanic District:
16. Premises Phone: 262-363-8112
17. Premises Email:
18. Website:
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

Kitchen, Restaurant Dining Floor, Patio, Office and Behind Bar.

20. Mailing Address (if different from premises address):
21. City:
22. State:
23. Zip Code:

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Islami | Vlaznim | |

| Title | Email | Phone |
|---|---|---|
| Member | N/A | |

| Signature | Date |
|---|---|
| [signature] | 4/22/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/22/25 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer ..... $ 300
- ☑ Class "B" Beer ..... $ 100
- ☐ "Class A" Liquor ..... $ 500
- ☑ "Class B" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 pd 4/15/25 |

PAID
APR 15 2025

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): The Boneyard Pub & Grille, LLC
2. Business Trade Name or DBA: Boneyard Pub & Grille
3. FEIN: 71-1022898
4. Wisconsin Seller's Permit Number: 456-0003164635-02
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☑ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization
6. State of Organization: WI
7. Date of Organization: 1/30/2007
8. Wisconsin DFI Registration Number: 600-0003164635-04
9. Premises Address: 215 Bay View Rd
10. City: Mukwonago
11. State: WI
12. Zip Code: 53149
13. County: Waukesha
14. Governing Municipality: ☐ City ☐ Town ☒ Village of: Mukwonago
15. Aldermanic District:
16. Premises Phone: 262 363 9464
17. Premises Email: [redacted]
18. Website: boneyardwings.com
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
Front Lobby, kitchen, office, Bar area, Dining Rm Area, Patio to-go Beverages
20. Mailing Address (if different from premises address):
21. City:
22. State:
23. Zip Code:

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☐ Yes ☒ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| Jones | James | member | [redacted] |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Jones | James | F |

| Title | Email | Phone |
|---|---|---|
| Member | [redacted] | |

| Signature | Date |
|---|---|
| [signature] | 4/15/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer ..... $ 300
- ☑ Class "B" Beer ..... $ 100
- ☐ "Class A" Liquor ..... $ 500
- ☑ "Class B" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 |

PAID
APR 16 2025

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): TAKE A BIG BITE, INC.
2. Business Trade Name or DBA: FORK IN THE ROAD RESTAURANT
3. FEIN: 82-1988802
4. Wisconsin Seller's Permit Number: 456102 94456602
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☒ Corporation ☐ Nonprofit Organization
6. State of Organization: WI
7. Date of Organization: 09-01-17
8. Wisconsin DFI Registration Number: T07346 1
9. Premises Address: 215 N. Rochester ST.
10. City: Mukwonago
11. State: WI
12. Zip Code: 53149
13. County: WAUKESHA
14. Governing Municipality: ☐ City ☐ Town ☒ Village of: Mukwonago
15. Aldermanic District:
16. Premises Phone: 262-363-7849
17. Premises Email: Te forkin the roadrestaurant.com
18. Website: www.forkin theroad restaurant.com
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

Building - main floor/level, basement, upstairs, front porch, back patio and parking lot.

20. Mailing Address (if different from premises address):
21. City:
22. State:
23. Zip Code:

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☒ Yes ☐ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Dui June 2012 | Mukwonago | |

Penalty Imposed: ____ Was sentence completed? ..... ☐ Yes ☐ No

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |

Penalty Imposed: ____ Was sentence completed? ..... ☐ Yes ☐ No

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| HENNESSY | THERESE | M |

[redacted]

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

PAID

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

APR 0[illegible] 2025

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer ..... $ 300
- ☑ Class "B" Beer ..... $ 100
- ☐ "Class A" Liquor ..... $ 500
- ☑ "Class B" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 |

pd 4/4/25

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
JAY'S LANES INC.

2. Business Trade Name or DBA
JAY'S LANES INC.

3. FEIN
39-1045082

4. Wisconsin Seller's Permit Number
103884

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☒ Corporation ☐ Nonprofit Organization

6. State of Organization
S CORPORATION

7. Date of Organization
1974

8. Wisconsin DFI Registration Number
IJ03496

9. Premises Address
326 ATKINSON STREET

10. City
MUKWONAGO

11. State
WI

12. Zip Code
53149

13. County
WAUKESHA

14. Governing Municipality: ☐ City ☐ Town ☒ Village of: MUKWONAGO

15. Aldermanic District
—

16. Premises Phone
(262) 363-7230

17. [redacted] bsite
N/A

19. Premises Description - Describe the building or bu[illegible] where alcohol beverages are proc[illegible]d, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
BAR AND 12 ALLEYS, METAL BUILDING WITH LANNON STONE FRONT, BASEMENT WITH A WALK-IN COOLER, OFFICE IN BASEMENT WITH A SAFE, OUTDOOR PATIO WITH 4 TABLES

20. Mailing Address (if different from premises address)
(SAME AS ABOVE)

21. City

22. State

23. Zip Code

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101

| Last Name | First Name | Title | [redacted] |
|---|---|---|---|
| JAY | JEFFREY | PRESIDENT | |
| JAY | JEFFREY | SECRETARY/TREAS | |
| JAY | JEAN | VICE PRESIDENT | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| JAY | JEFFREY | R. |

| Title | Email | Phone |
|---|---|---|
| PRESIDENT | [redacted] | |

| Signature | Date |
|---|---|
| Jeffrey R. Jay | 4-03-25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/4/2025 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer ..... $ 300
- ☑ Class "B" Beer ..... $ 100
- ☐ "Class A" Liquor ..... $ 500
- ☑ "Class B" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 |

## Part A: Premises/Business Information

PAID
APR 23 2025

1. Legal Business Name (individual name if sole proprietorship): Sandys Miller Time, LLC
2. Business Trade Name or DBA: Sandys Miller Time
3. FEIN: 87-3832967
4. Wisconsin Seller's Permit Number: 456-1030866204-04
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☑ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization
6. State of Organization: WI
7. Date of Organization: 12/03/2021
8. Wisconsin DFI Registration Number: S138116
9. Premises Address: 701 Main Street
10. City: Mukwonago
11. State: WI
12. Zip Code: 53149
13. County: Waukesha
14. Governing Municipality: ☐ City ☐ Town ☑ Village of: Mukwonago
15. Aldermanic District: 6
16. Premises Phone: [redacted]
N/A

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

Same as previous years. Apartment upstairs + 1/2 of main level. Tavern on main level, Cooler on main + basement. Locked liquor cage on main level.

20. Mailing Address (if different from premises address):
21. City:
22. State:
23. Zip Code:

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| Fohr | Michael | Owner | 262-363-3843 |
| Anspach | Brian | Agent | 262-327-7694 |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Fohr | Michael | S |

| Title | Email | Phone |
|---|---|---|
| Owner | [redacted] | |

| Signature | Date |
|---|---|
| Michael S Fohr | 4/25/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

PAID APR 08 2025

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer ..... $ 300
- ☑ Class "B" Beer ..... $ 100
- ☐ "Class A" Liquor ..... $ 500
- ☑ "Class B" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 |

pd 4/8/25

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): FJ Partners LLC
2. Business Trade Name or DBA: 301 de Mexico
3. FEIN: 46-3748245
4. Wisconsin Seller's Permit Number: 456-1028207844-02
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☒ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization
6. State of Organization: WI
7. Date of Organization: 2013
8. Wisconsin DFI Registration Number: F056057
9. Premises Address: 507 Main St
10. City: Mukwonago
11. State: WI
12. Zip Code: 53149
13. County:
14. Governing Municipality: ☐ City ☐ Town ☐ Village of: _____
15. Aldermanic District:
16. Premises Phone:
17. Premises Email:
18. Website:
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.

stock Room - back of Kitchen, Kitchen dinning, sering area of dining are and bar.

20. Mailing Address (if different from premises address):
21. City:
22. State:
23. Zip Code:

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | 46-3748245 |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| Jaimes-Lopez | Jose | Agent | [redacted] |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| Jaimes-Lopez | Jose | |

| Title | Email | Phone |
|---|---|---|
| Owner | [redacted] | |

Signature: [signature] Date: 3-26-25

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/8/25 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Save | Print | Clear

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | VILLAGE OF MUKWONAGO |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer . . . . . $ _____
- ☑ Class "B" Beer . . . . . $ 100
- ☐ "Class A" Liquor . . . . . $ _____
- ☑ "Class B" Liquor . . . . . $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☐ Reserve "Class B" Liquor $ _____
- ☐ "Class C" Liquor (wine only) $ _____

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 625 pd |

## Part A: Premises/Business Information

PAID
APR 28 2025

1. Legal Business Name (individual name if sole proprietorship)
WIND LAKE BEVERAGE INC

2. Business Trade Name or DBA
The Terrace at Aman's

3. FEIN
30-0642080

4. Wisconsin Seller's Permit Number
456-1027274103-03

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization

6. State of Organization
WI

7. Date of Organization
2010

8. Wisconsin DFI Registration Number
W056809

9. Premises Address
110 Chapman Farm blvd

10. City
Mukwonago

11. State
WI

12. Zip Code
53149

13. County

14. Governing Municipality: ☐ City ☐ Town ☑ Village of: Mukwonago

15. Aldermanic District

[redacted]

18. Website
www.amansbeer.com

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
The business is on the second floor and inventory is in the back room

20. Mailing Address (if different from premises address)

21. City

22. State

23. Zip Code

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| Singh | Amandip | | |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| SINGH | AMANDIP | |

| Title | [redacted] |
|---|---|
| | |

| Signature | Date |
|---|---|
| Amandip | 4/28/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/28/2025 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

[redacted]

Form **AB-200**

# Alcohol Beverage License Application

PAID APR 02 2025

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer . . . . . $ 300
- ☑ Class "B" Beer . . . . . $ 100
- ☐ "Class A" Liquor . . . . . $ 500
- ☐ "Class B" Liquor . . . . . $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☑ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 |

od 4/2/25

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): El Pueblo, Inc.
2. Business Trade Name or DBA: Antigua Real Restaurant
3. FEIN: 39-1847927
4. Wisconsin Seller's Permit Number: 456-0000-453356-03
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☒ Corporation ☐ Nonprofit Organization
6. State of Organization: WISCONSIN
7. Date of Organization:
8. Wisconsin DFI Registration Number: E-026339
9. Premises Address: 355 BAY VIEW RD
10. City: MUKWONAGO
11. State: WI
12. Zip Code: 53149
13. County: WAUKESHA
14. Governing Municipality: ☐ City ☐ Town ☑ Village of:
15. Aldermanic District: N/A
16. Premises Phone: (262) 363-3355
17. Premises Email:
18. Website: ALARCONRESTAURANTS.COM
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
DINING AREAS, BAR, STORAGE AREAS, PATIO, ASSIGNATED PARKING LOT.

[redacted]

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed: N/A | Was sentence completed? . . . . . ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☒ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☒ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☒ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☒ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☒ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☒ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | [redacted] |
|---|---|---|---|
| ALARCON | MARCO VINICIO, | PRESIDENT, | |
| ALARCON | ANA ELIZABET, | VICE-PRESIDENT | |
| ALARCON | SONIA ABIGAIL | SECRETARY | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| ALARCON CASTILLO | MARCO | V |

| Title | [redacted] |
|---|---|
| PRESIDENT | |

| Signature | Date |
|---|---|
| | 4-1-25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/2/25 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form
**AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

PAID
APR 24 2025

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer ..... $ 300
- ☑ Class "B" Beer ..... $ 100
- ☐ "Class A" Liquor ..... $ 500
- ☐ "Class B" Liquor ..... $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☑ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 |

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): CRUSH, LLC
2. Business Trade Name or DBA: CRUSH WINE BAR AND SOCIAL
3. FEIN: 47-1749375
4. Wisconsin Seller's Permit Number: 456102873620202
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☑ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization
6. State of Organization: WISCONSIN
7. Date of Organization: 09/09/2014
8. Wisconsin DFI Registration Number:
9. Premises Address: 110 MAIN STREET
10. City: MUKWONAGO
11. State: WI
12. Zip Code: 53149
13. County: WAUKESHA
14. Governing Municipality: ☐ City ☐ Town ☑ Village of: MUKWONAGO
15. Aldermanic District:

[redacted]

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
FIRST FLOOR OF THE BUILDING AND ON THE FRONT PORCH WHICH IS PART OF THE PROPERTY ON THE GROUND LEVEL. THERE IS A BASEMENT WHERE ALCOHOL IS STORED, BUT NOT SERVED. THERE IS A SECOND FLOOR APARTMENT
20. Mailing Address (if different from premises address):
21. City:
22. State:
23. Zip Code:

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? ..... ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| ROSYNEK | JUDY | PRESIDENT/OWNER | 262-227-7280 |
| KWIECIEN | PAUL | V.P./OWNER | 262-271-4462 |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| KWIECIEN | PAUL | L. |

Title: VICE PRESIDENT/OWNER [redacted]

Signature: Paul L. Kwiecien Date: 04/23/2025

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2025-2026 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer . . . . . $ _____
- ☑ Class "B" Beer . . . . . $ 100
- ☐ "Class A" Liquor . . . . . $ _____
- ☐ "Class B" Liquor . . . . . $ _____
- ☐ "Class A" Liquor (cider only) $ _____
- ☑ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ _____

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 |

PAID
APR 28 2025

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship)
DAA Smokehouse LLC

2. Business Trade Name or DBA
David Alan Alan's Smokehouse & Saloon

3. FEIN
47-5422080

4. Wisconsin Seller's Permit Number
456-1029132557-02

5. Entity Type *(check one)*
☐ Sole Proprietor ☐ Partnership ☑ Limited Liability Company ☐ Corporation ☐ Nonprofit Organization

6. State of Organization
WI

7. Date of Organization
10/27/2015

8. Wisconsin DFI Registration Number
DO56018

9. Premises Address
325 Bay View Rd, Suite D/E

10. City
Mukwonago

11. State
WI

12. Zip Code
53149

13. County
Waukesha

14. Governing Municipality: ☐ City ☐ Town ☑ Village of: Mukwonago

15. Aldermanic District

16. Premises Phone [redacted]

17. Premises Email [redacted]

18. Website
www.daasmokehouse.com

19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
Bar area, dining room, kitchen area, walk-in coolers, office, patio, areas in front of restaurant

20. Mailing Address (if different from premises address)

21. City

22. State

23. Zip Code

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☑ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | Phone |
|---|---|---|---|
| O'Bryan | Tina | Member | (414) 588-7669 |
| O'Bryan | David | Member | (262) 352-1214 |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| O'Bryan | Tina | M |

Title: Owner

[redacted]

Signature: T. OB

Date: 04/24/25

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/28/2025 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

Form **AB-200**

# Alcohol Beverage License Application

PAID

APR 14 2025

| For Municipal Use Only | |
|---|---|
| Municipality | Village of Mukwonago |
| License Period | 2024-2025 |

**License(s) Requested:** (up to two boxes may be checked)

- ☐ Class "A" Beer . . . . . $ 300
- ☑ Class "B" Beer . . . . . $ 100
- ☐ "Class A" Liquor . . . . . $ 500
- ☐ "Class B" Liquor . . . . . $ 500
- ☐ "Class A" Liquor (cider only) $ _____
- ☑ Reserve "Class B" Liquor $ 500
- ☐ "Class C" Liquor (wine only) $ 100

| Fees | |
|---|---|
| License Fees | $ 600 |
| Background Check Fee | $ 10 |
| Publication Fee | $ 25 |
| **Total Fees** | $ 635 |

## Part A: Premises/Business Information

1. Legal Business Name (individual name if sole proprietorship): THE ELEGANT FARMER INC
2. Business Trade Name or DBA: THE ELEGANT CORK
3. FEIN: 39-1132426
4. Wisconsin Seller's Permit Number: 456-0000428336-03
5. Entity Type *(check one)*: ☐ Sole Proprietor ☐ Partnership ☐ Limited Liability Company ☑ Corporation ☐ Nonprofit Organization
6. State of Organization: WI
7. Date of Organization: 01/01/1970
8. Wisconsin DFI Registration Number: 1E04597
9. Premises Address: 1545 MAIN STREET
10. City: MUKWONAGO
11. State: WI
12. Zip Code: 53149
13. County: Walworth
14. Governing Municipality: ☐ City ☐ Town ☑ Village of: MUKWONAGO
15. Aldermanic District:
16. Premises Phone: (262) 363-6770
17. Premises Email: [redacted]
18. Website: ELEGANTFARMER.COM
19. Premises Description - Describe the building or buildings where alcohol beverages are produced, sold, stored, or consumed, and related records are kept. Describe all rooms within the building, including living quarters. Authorized alcohol beverage activities and storage of records may occur only on the premises described in this application. Attach a map or diagram and additional sheets if necessary.
FIRST FLOOR RETAIL STORE, AND BASEMENT STORAGE
20. Mailing Address (if different from premises address): 1545 MAIN STREET
21. City: MUKWONAGO
22. State: WI
23. Zip Code: 53149

## Part B: Questions

1. Has the business (sole proprietorship, partnership, limited liability company, or corporation) been convicted of violating federal or state laws or local ordinances? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, list the details of violation below. Attach additional sheets if necessary.

| Law/Ordinance Violated | Location | Trial Date |
|---|---|---|
| | | |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |
| Law/Ordinance Violated | Location | Trial Date |
| | | |
| Penalty Imposed | Was sentence completed? . . . . . ☐ Yes ☐ No | |

2. Are charges for any offenses pending against the business? Exclude traffic offenses unless related to alcohol beverages. ☐ Yes ☑ No

If yes, describe the nature and status of pending charges using the space below. Attach additional sheets as needed.

3. Is the applicant business or any of its officers, directors, members, agent, employees, owners, or other related individuals or entities a restricted investor with any interest in an alcohol beverage producer or distributor? ☐ Yes ☐ No
If yes, provide the name of the restricted investor and describe the nature of the interest.

4. Is the applicant business owned by another business entity? ☐ Yes ☑ No
If yes, provide the name(s) and FEIN(s) of the business entity owners below. Attach additional sheets as needed.

| 4a. Name of Business Entity | 4b. Business Entity FEIN |
|---|---|
| | |

5. Have the partners, agent, or sole proprietor satisfied the responsible beverage server training requirement for this license period? Submit proof of completion. ☑ Yes ☐ No

6. Is the applicant business indebted to any wholesaler beyond 15 days for beer or 30 days for liquor/wine? ☐ Yes ☑ No

7. Does the applicant business owe past due municipal property taxes, assessments, or other fees? ☐ Yes ☑ No

## Part C: Individual Information

List the name, title, and phone number for each person or entity holding the following positions in the applicant business or businesses listed in Part B, Question 4: sole proprietor, all officers, directors, and agent of a corporation or nonprofit organization, all partners of a partnership, and all members, managers, and agent of a limited liability company. Attach additional sheets if necessary.

Include Form AB-100 for each person listed below. Corporations and LLCs must appoint an agent by including Form AB-101.

| Last Name | First Name | Title | [redacted] |
|---|---|---|---|
| SCHMIDT | KEITH | OWNER/PRESIDENT | |
| | | | |
| | | | |
| | | | |

## Part D: Attestation

One of the following must sign and attest to this application:

• sole proprietor • one general partner of a partnership • one corporate officer • one member of an LLC

**READ CAREFULLY BEFORE SIGNING:** Under penalty of law, I have answered each of the above questions completely and truthfully. I agree that I am acting solely on behalf of the applicant business and not on behalf of any other individual or entity seeking the license. Further, I agree that the rights and responsibilities conferred by the license(s), if granted, will not be assigned to another individual or entity. I agree to operate this business according to the law, including but not limited to, purchasing alcohol beverages from state authorized wholesalers. I understand that lack of access to any portion of a licensed premises during inspection will be deemed a refusal to allow inspection. Such refusal is a misdemeanor and grounds for revocation of this license. I understand that any license issued contrary to Wis. Stat. Chapter 125 shall be void under penalty of state law. I further understand that I may be prosecuted for submitting false statements and affidavits in connection with this application, and that any person who knowingly provides materially false information on this application may be required to forfeit not more than $1,000 if convicted.

| Last Name | First Name | M.I. |
|---|---|---|
| SCHMIDT | KEITH | A |

| Title | [redacted] |
|---|---|
| OWNWER/PRESIDENT | |

| Signature | Date |
|---|---|
| [signature] | 04/14/25 |

## Part E: For Clerk Use Only

| Date Application Was Filed With Clerk | License Number | Date License Granted | Date License Issued |
|---|---|---|---|
| 4/14/2025 | | | |

| Signature of Clerk/Deputy Clerk | Date Provisional License Issued (if applicable) |
|---|---|
| | |

440 River Crest Ct | Mukwonago, WI 53149 | Tel: 262.363.6420 | Fax: 262-363-6425

# Agenda Item Cover Report

| | |
|---|---|
| **Date:** 4-30-25 | **Committee/Board:** Public Works/Utilities |
| **Submitted by:** Wayne Castle | **Department:** Water Utility |
| **Date of Committee Action:** 5-7-25 | **Date of Village Board Action:** 5-21-25 |

**Subject:** 2025 Hydrant Replacements

**Executive Summary:**

The Water Utility is responsible for the operation and maintenance of fire hydrants for fire emergencies and flushing of the distribution system. We replace hydrants as needed. Currently, we have a small number of hydrants that are hard to turn or have been known to leak. This year we plan on replacing seven (7) of those hydrants. We already have these hydrants in inventory. I am seeking approval to install these hydrants as proposed.

**Fiscal Impact:**

$29,775 from reserves.

**Executive Recommendation/Action:**

To accept bid from Wanasek.

☒ **Attachments Included**

- Mukwonago Hydrant Replacements 2025_Wanasek Proposal

Wanasek Corporation
29606 Durand Avenue
Burlington, WI 53105
Phone (262)763-3561
Fax (262)767-9917

| | | | |
|---|---|---|---|
| **To:** | Mukwonago, Village Of | **Contact:** | |
| **Address:** | Mukwonago, WI | **Phone:** | (262) 363-6420 |
| | | **Fax:** | (262) 363-6425 |
| **Project Name:** | Mukwonago - Hydrant Replacements 2025 | **Bid Number:** | |
| **Project Location:** | Various Locations, Mukwonago, WI | **Bid Date:** | 03/21/2025 |

| Item # | Item Description | Estimated Quantity | Unit |
|---|---|---|---|
| **A: 1103 River Park Circle** | | | |
| 100 | Apply For ROW Permit (Fees Paid By Others) | 1.00 | EACH |
| 110 | Remove & Replace Hydrant | 1.00 | EACH |
| 120 | Slurry Backfill | 1.00 | LS |
| 130 | Lawn Restoration | 15.00 | SY |
| | **Total Price for above A: 1103 River Park Circle Items:** | | **$3,950.00** |
| **B: 1114 Western Trail** | | | |
| 200 | Apply For ROW Permit (Fees Paid By Others) | 1.00 | EACH |
| 210 | Remove & Replace Hydrant | 1.00 | EACH |
| 220 | Slurry Backfill | 1.00 | LS |
| 230 | Lawn Restoration | 15.00 | SY |
| | **Total Price for above B: 1114 Western Trail Items:** | | **$3,950.00** |
| **C: 1204 Western Trail** | | | |
| 300 | Apply For ROW Permit (Fees Paid By Others) | 1.00 | EACH |
| 310 | Remove & Replace Hydrant | 1.00 | EACH |
| 320 | Pole Holding | 1.00 | EACH |
| 330 | Slurry Backfill | 1.00 | LS |
| 340 | Lawn Restoration | 15.00 | SY |
| | **Total Price for above C: 1204 Western Trail Items:** | | **$4,550.00** |
| **D: 1216 Western Trail** | | | |
| 400 | Apply For ROW Permit (Fees Paid By Others) | 1.00 | EACH |
| 410 | Remove & Replace Hydrant | 1.00 | EACH |
| 420 | Slurry Backfill | 1.00 | LS |
| 430 | Lawn Restoration | 15.00 | SY |
| | **Total Price for above D: 1216 Western Trail Items:** | | **$3,950.00** |
| **E: 1130 Churchway Ct** | | | |
| 500 | Apply For ROW Permit (Fees Paid By Others) | 1.00 | EACH |
| 510 | Remove & Replace Hydrant | 1.00 | EACH |
| 520 | Slurry Backfill | 1.00 | LS |
| 530 | Remove & Replace Curb | 15.00 | LF |
| 540 | Lawn Restoration | 15.00 | SY |
| | **Total Price for above E: 1130 Churchway Ct Items:** | | **$5,150.00** |
| **F: 1116 Churchway Ct** | | | |
| 600 | Apply For ROW Permit (Fees Paid By Others) | 1.00 | EACH |
| 610 | Remove & Replace Hydrant | 1.00 | EACH |
| 620 | Slurry Backfill | 1.00 | LS |
| 630 | Lawn Restoration | 40.00 | SY |

| | | | |
|---|---|---|---|
| | | **Total Price for above F: 1116 Churchway Ct Items:** | **$4,275.00** |

**G: 1118 Riverton Dr**

| | | | |
|---|---|---|---|
| 700 | Apply For ROW Permit (Fees Paid By Others) | 1.00 | EACH |
| 710 | Remove & Replace Hydrant | 1.00 | EACH |
| 720 | Slurry Backfill | 1.00 | LS |
| 730 | Lawn Restoration | 15.00 | SY |

**Total Price for above G: 1118 Riverton Dr Items:** **$3,950.00**

**Notes:**

- **Clarification:**
  **-The are individual prices for each hydrant. These prices assume at lead three hydrants can be performed at one Mobilization.**
  -Proposal includes applying for all the ROW permits, but the fees would be paid by others.
  -Proposal does not include plumbing permit, shut coordination, turning valves, flaggers, detours, advance notice traffic control, include downtime caused by others.
  -Proposal assumes the village will furnish any plumbing fittings and materials needed for the repair in a timely manner.
  -Proposal assumes the village will furnish any bedding/clear stone and dumpsite, as needed.
  -Proposal assumes the village will have an onsite representative to witness the Valves & components exercise.
  -Proposal does not include alterations to the hydrant lead, valve, or other fittings.
  -Proposal includes lawn restoration (4" Topsoil, seed, emat), but does not include watering nor continuous maintenance.
  -Proposal assumes all hydrant valves at connect to an anchor tee. Otherwise, if a valve is within 15' of the hydrant and is unrestrained, the watermain will need to be shutdown.
  -Proposal assumes all hydrant bury depths are between 6.5'-8.0'.
  -Proposal includes slurry backfill in all areas. We will fill the excavation a couple inches below the grass line.
  -Proposal includes precast thrust blocks on the new hydrants.
- **Exclusions:** Excavation below subgrade due to poor soil conditions, hauling or leveling of other's spoils, handling of contaminated or hazardous material, locating of private underground utilities, impact or connection fees for utility service connections, all unforeseen excavation obstructions (such as buried frost walls and footings), site stabilization (tackifier or polyacrylamide erosion control), silt fence removal or maintenance, erosion control inspection logs, frost protection or major frost ripping, layout of all building footings and column pad dig lines, layout by surveyor (cut sheets must be provided), compaction testing, asphalt or concrete work, base under asphalt or curb & gutter, vapor barrier, foundation drain tile and drainage stone fill.
- As required by the Wisconsin Lien Law, The Wanasek Corp. hereby notifies you that persons or companies furnishing labor or material for construction on your land may have lien rights on your land and buildings if not paid. Those entitled to lien rights, in addition to the undersigned, are those who contract directly with you or those who give you notice within 60 days after they first furnished labor or material for the construction. Accordingly, you will probably receive notice from those who furnish labor or materials for the construction, and you should give a copy of each notice received to your mortgage lender, if any. We agree to cooperate with you and your lender, if any, to see that all potential lien claimants are duly paid.

**Payment Terms:**

Payment terms of net 30 days from the date of invoice. A 1.5% service charge will be added on all past due outstanding balances.

| | |
|---|---|
| **ACCEPTED:**<br>The above prices, specifications and conditions are satisfactory and are hereby accepted.<br>**Buyer:** _____<br>**Signature:** _____<br>**Date of Acceptance:** _____ | **CONFIRMED:**<br>**The Wanasek Corp.**<br>**Authorized Signature:** _____<br>**Estimator:** Justin Russell<br>(262) 763-3561 JRussell@Wanasek.com |

**VILLAGE OF MUKWONAGO**
**WAUKESHA AND WALWORTH COUNTIES**

**PC RESOLUTION NO. 2025-09**

**A RESOLUTION FOR A SITE PLAN AND ARCHITECTURAL REVIEW FOR THE HISTORICAL SOCIETY LOG CABIN TRADING POST, LOCATED AT 103 MAIN STREET, PARCEL MUKV1976100**

**WHEREAS,** pursuant to Section 100-601 of the Zoning Code, an application for a site plan and architectural review has been filed for the approval of modifications to an existing Public Museum, which application was filed in the office of the Village Clerk, Village of Mukwonago, Wisconsin, and

**WHEREAS,** the application has been submitted by the Village of Mukwonago DPW, as owner and authorized agent of the property, and

**WHEREAS,** the application is for modifications related to the exterior remodel of the existing structure, and

**WHEREAS,** the planned modifications meet all the requirements of the Village Zoning Code.

**NOW, THEREFORE, BE IT RESOLVED** by the Plan Commission of the Village of Mukwonago, Wisconsin hereby approves the site plan and architectural review for modifications to an existing Public Museum at 103 Main Street, based upon the plans submitted to the Village.

**NOW, THEREFORE, BE IT FURTHER RESOLVED** the site plan and architectural review approval shall be subject to the following conditions:

1. The applicant must obtain all required building permits within nine months of this date, and start construction within six months of the date of building permit issuance and continue in good faith to completion.
2. All work related to this project must comply with all project plans approved by the Village.
3. The applicant shall comply with all parts of the Municipal Code as it relates to this project.
4. If the approved plans need to be revised to address any of the conditions of approval or to conform to Building and Fire Safety Codes, the Zoning Administrator and the Building Inspectors are authorized to approve minor modifications so long as the overall project elements remain unchanged. If they determine that the revision is substantial, the plans must be submitted to the Plan Commission for review and approval.
5. Any future modification to the site such as modification of parking, lighting, grading, signage, fences, etc. may require Site Plan and Architectural Review.

Passed and adopted by the Village of Mukwonago Plan Commission this 13th day of May, 2025.

VILLAGE OF MUKWONAGO

By: _____
Fred Winchowky, Village President

Attest: _____
Shay Zerfas, Deputy Clerk-Treasurer

**PLAN COMMISSION STAFF REPORT**

TO: Village of Mukwonago Plan Commission

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

REPORT DATE: May 5, 2025

MEETING DATE: May 13, 2025, 6:30 P.M.

SUBJECT: Historical Society – Log Cabin Trading Post

| BASIC INFORMATION | |
|---|---|
| **Project:** | Historical Society – Log Cabin Trading Post |
| **Applicant:** | Village of Mukwonago DPW |
| **Consulting Engineer:** | N/A |
| **Consulting Architect:** | N/A |
| **Request:** | Site Plan & Architectural Review |
| **Staff Recommendation:** | Approve with Conditions |

| PARCEL DATA/CHARACTERISTICS | |
|---|---|
| **Tax Key:** | MUKV1976100 |
| **Acreage:** | 0.088 Acres |
| **Current Use:** | Public Museum |
| **Proposed Use:** | Public Museum |
| **Reason for Request:** | Exterior Remodel |
| **Land Use Classification:** | Business |
| **Zoning Classification:** | B-2 – General Business (Village Center Retail Center Overlay) |

## Project Summary & Overview

The Mukwonago Historical and Museum Society is planning to remodel the exterior of the existing "Log Cabin Trading Post" located adjacent to 103 Main Street at the northwest corner of Main Street and Atkinson Street. The existing historical cabin's exterior is deteriorating and needs to be remodeled to preserve its integrity.

The intended remodeling materials are planned to maintain the historical exterior appearance and prevent continued deterioration of the original wood structure. Minor appliance and electrical upgrades are also planned. The attached power point slides detailed the planned material and need for the improvements.

**Staff Review**

| | |
|---|---|
| **Engineering:** | No comments at this time. |
| **Public Works** | No comments at this time. |
| **Utilities** | No comments at this time. |
| **Police** | No comments at this time. |
| **Fire:** | No comments at this time. |
| **Building Inspection** | No comments at this time. |
| **Planning** | No comments at this time. |

**Recommended Action**
Staff recommends the Planning Commission approve with conditions enumerated in the provided resolution for the request to remodel the exterior of the Log Cabin Trading Post.

**Attachments**

1. Exterior Improvement Plans

Village of Mukwonago GIS

DISCLAIMER: The Village of Mukwonago does not guarantee the accuracy of the material contained here in and is not responsible for any misuse or misrepresentation of this information or its derivatives.

SCALE: 1" = 33 '

VILLAGE OF MUKWONAGO
440 River Crest Court
PO Box 206
Mukwonago, WI 53149
262-363-6420

Print Date: 4/16/2025

# *Maintenance and Modifications to the Log Cabin Trading Post*

*Mukwonago Historical and Museum Society*

*April 2025*

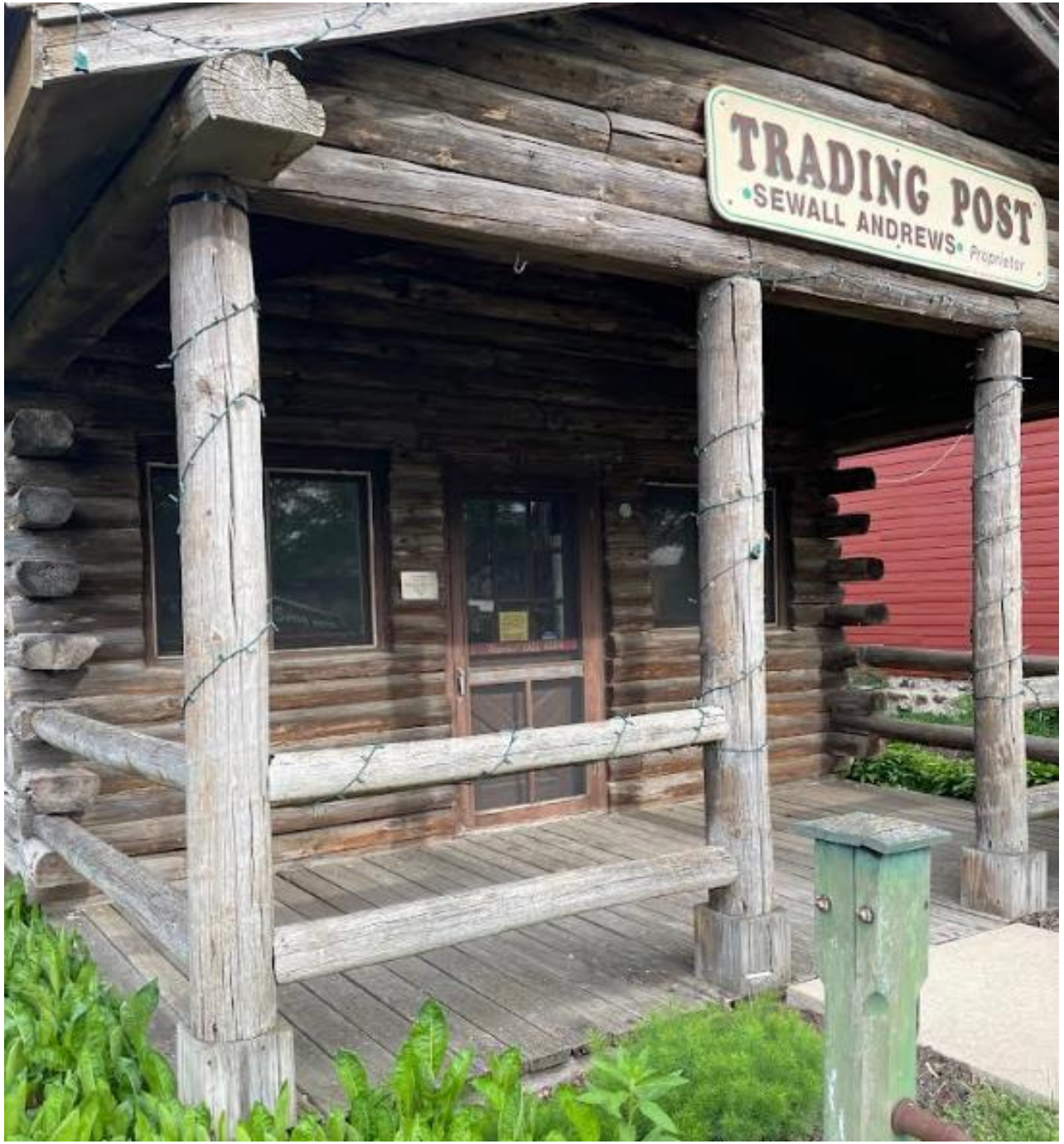
# Photos of Current State

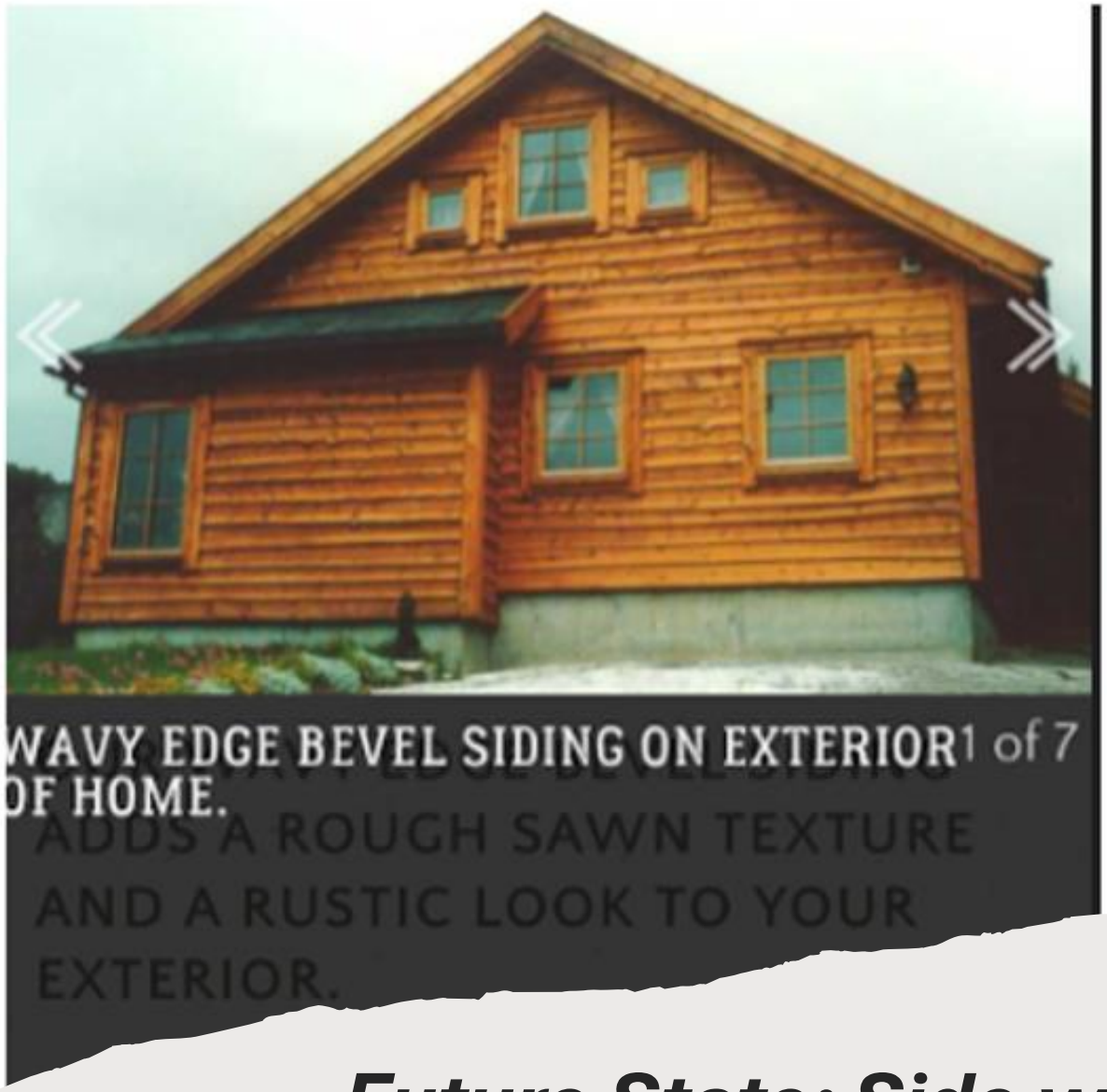
North View

# *South View*

# *West View*

# *East View*





***Future State: Side with Beveled Wavey Board***

# *Cedar Siding will weather to a grey similar to current log surface*

# *List of Building Features to be Replaced or Modified*

1. Rotted pieces of existing logs to be cut and partially replaced by pressure treated lumber (notably the by the north window).
2. The long ends of the butt and pass logs would be trimmed to be flush with the existing log faces.
3. All areas to be covered by new wavy edge siding will be prepped and sealed with Behr Log Home Gloss Finish (per manufacturer instructions). Wavey Siding fastened to vertical furring strips applied to logs.
4. All joints between logs will be caulked with Woodsman log siding caulk, to prevent any potential moisture penetration.
5. Install pressure treated furring strips to existing structure. Install Coravent system over the furring.
6. Install trim and siding over furring/Coravent, per manufacturer instructions.

By others, Stain/Clear coat new exterior

# *Material List: Exterior*

| Item | Quantity | Pr |
|---|---|---|
| case of 12 Woodsman caulk | 4 | |
| Gallons of Behr Log home finish clear | 4 | |
| Cora Vent | 38 | |
| pressure treated 1x2x8 | 54 | |
| pressure treated 1x8x8 | 8 | |
| pressure treated 1x4x8 | 6 | |
| Miscellaneous fasteners for furring, coravent, trim and siding | 1 | |
| sales tax of above items | 1 | |
| quote per FP Cedar supply | 1 | |
| | | |
| 6"x8' pine logs | 2 | |

***The front porch also needs some repair to an extent not known until it is deconstructed.***

->

| | |
|---|---|
| 1x6x12 Cedar | 15 |
| 1x10x8 Cedar | 10 |
| 15/16" x 10 Wavy Edge Cedar | 1168 |

# *Electrical Features to be added.*

- ***Electrical Service to be brought into the building***
- ***One to two interior lights.***
- ***Small refrigerator freezer.***
- ***Possible mini-split AC/Heater to be used when building occupied.***

## Scope of Work

1) **Install new panel and feeder to Log Cabin to include:**
   1-2 pole 40a breaker installed in exiting breaker panel (Tandem existing breakers as panel allows)
   1-120240v 40a underground feeder from main building electrical panel to Log Cabin
   1-8 circuit breaker panel located in Log Cabin
   1-120v duplex outlet next to breaker panel
   Lot-Grounding and bonding per NEC and local codes

2) **Wiring in Log Cabin to include:**
   2-SP switches
   3-Interior light openings (Fixtures by others)
   1-Install exterior light fixture on existing exterior wall fixture opening (Fixture by others)
   1-120v duplex outlet on separate 20a circuit for Freezer
   1-Reconnect exterior WP outlet

**VILLAGE OF MUKWONAGO**
**WAUKESHA AND WALWORTH COUNTIES**

**PC RESOLUTION NO. 2025-10**

**A RESOLUTION FOR A SITE PLAN AND ARCHITECTURAL REVIEW FOR THE PARK VIEW MIDDLE SCHOOL EXPANSION, PARCEL MUKV1964992**

**WHEREAS,** pursuant to Section 100-601 of the Zoning Code, an application for a site plan and architectural review has been filed for the approval of a building expansion and site redevelopment for Park View Middle School located at 930 N Rochester St, which application was filed in the office of the Village Clerk, Village of Mukwonago, Wisconsin, and

**WHEREAS,** the application has been submitted by the Mukwonago Area School District as the authorized agent, and

**WHEREAS,** the use of a Middle School and all structures are a conditional use within the P-1 Public and Semipublic District – in which the subject property is located, and

**WHEREAS,** the plan of operation and plans have been reviewed and recommended by the Plan Commission.

**NOW, THEREFORE, BE IT RESOLVED** by the Plan Commission of the Village of Mukwonago, Wisconsin hereby approves the site plan and architectural review for the Park View Middle School Expansion to be constructed, based upon the plans submitted to the Village.

**NOW, THEREFORE, BE IT FURTHER RESOLVED** the site plan and architectural review approval shall be subject to the following conditions:

1. Prior to any land disturbing activity, the applicant must submit a complete and final set of site construction plans to the Village and receive approval of said plans prior to issuance of any building permits. Plans shall include but are not limited to grading, utilities, utility calculations, erosion control, landscaping, lighting, building architecture, building materials and other plans as required. All Village department heads must verify in writing whether they have approved the final plans within their purview. Any outstanding matters must be resolved to staff's satisfaction. Construction shall comply with any conditions of approval issued by staff.
2. All required regulatory agency permits shall be received and provided to the Village prior to the start of construction.
3. Prior to any land-disturbing activity, a pre-construction meeting must be held with the applicant's representatives and primary contractors, and Village department heads and representatives. The applicant representative shall coordinate such meeting.
4. The applicant must obtain all required land disturbance permits within nine months of this date, and start construction within six months of the date of building permit issuance and continue in good faith to completion.

5. The applicant must obtain all required building permits within nine months of this date, and start construction within six months of the date of building permit issuance and continue in good faith to completion.
6. All work related to this project must comply with all project plans approved by the Village.
7. The developer shall comply with all parts of the Municipal Code as it relates to this project.
8. If the approved plans need to be revised to address any of the conditions of approval or to conform to Building and Fire Safety Codes, the Zoning Administrator and the Building Inspectors are authorized to approve minor modifications so long as the overall project elements remain unchanged. If they determine that the revision is substantial, the plans must be submitted to the Plan Commission for review and approval.
9. Any future modification to the site such as modification of parking, lighting, grading, signage, fences, etc. may require Site Plan and Architectural Review.

Passed and adopted by the Village of Mukwonago Plan Commission this 13th day of May, 2025.

VILLAGE OF MUKWONAGO

By: _____
Fred Winchowky, Village President

Attest: _____
Shay Zerfas, Deputy Clerk-Treasurer

**VILLAGE OF MUKWONAGO**
**WAUKESHA AND WALWORTH COUNTIES**

**PC RESOLUTION NO. 2025-11**

**A RESOLUTION FOR A SITE PLAN AND ARCHITECTURAL REVIEW FOR A REVISED SITE PLAN APPROVAL FOR TSUNAMI CAR WASH, PARCEL MUKV2013995001**

**WHEREAS,** the Village Board of the Village of Mukwonago approved a Conditional Use Permit for a stand-alone car wash facility via Resolution 2024-53 at the October 16, 2024 Village Board Meeting, and

**WHEREAS,** the Plan Commission of the Village of Mukwonago approved a Site Plan and Architectural Review application via PC-Resolution 2024-10 at the October 8, 2024 Plan Commission meeting conditioned on resubmitting architectural drawings for final approval, and

**WHEREAS,** the Plan Commission of the Village of Mukwonago passed a motion to approve the architectural drawings at the November 12, 2024 Plan Commission meeting, and

**WHEREAS,** Tsunami Car Wash has revised their site plan and layout to relocate the ingress/egress point in coordination with the adjacent property owner, and

**WHEREAS,** pursuant to Section 100-601 of the Zoning Code, an application for a site plan and architectural review has been filed for the approval of the revised site plan, which application was filed in the office of the Village Clerk, Village of Mukwonago, Wisconsin, and

**WHEREAS,** the application has been submitted by The Redmond Company as the authorized agent, and

**WHEREAS,** the architectural drawings and building design have not changed and are the same as approved on November 12, 2024.

**NOW, THEREFORE, BE IT RESOLVED** by the Plan Commission of the Village of Mukwonago, Wisconsin hereby approves the revised site plan for Tsunami Car Wash to be constructed on E. Wolf Run, based upon the plans submitted to the Village.

**NOW, THEREFORE, BE IT FURTHER RESOLVED** the site plan and architectural review approval shall be subject to all conditions enumerated in PC-Resolution 2024-10 and the following conditions:

1. Prior to any land disturbing activity, the applicant must submit a complete and final set of site construction plans to the Village and receive approval of said plans prior to issuance of any building permits. Plans shall include but are not limited to grading, utilities, utility calculations, erosion control, landscaping, lighting, building architecture, building materials and other plans as required. All Village department heads must verify in writing

whether they have approved the final plans within their purview. Any outstanding matters must be resolved to staff's satisfaction. Construction shall comply with any conditions of approval issued by staff.

2. A final erosion control plan shall be submitted for review and approval.
3. All required regulatory agency permits shall be received and provided to the Village prior to the start of construction.
4. Prior to any land-disturbing activity, a pre-construction meeting must be held with the applicant's representatives and primary contractors, and Village department heads and representatives. The applicant representative shall coordinate such meeting.
5. The applicant must obtain all required land disturbance permits within nine months of this date, and start construction within six months of the date of building permit issuance and continue in good faith to completion.
6. Prior to any land-disturbing activity, the applicant must reimburse the Village for any outstanding charges and establish an escrow account with the Village as may be required.
7. The Applicant shall establish an escrow in the value of $10,000 prior to the start of construction.
8. The applicant must obtain all required building permits within nine months of this date, and start construction within six months of the date of building permit issuance and continue in good faith to completion.
9. All work related to this project must comply with all project plans approved by the Village.
10. The developer must comply with all requirements related to impact fees imposed by the Village.
11. The developer shall comply with all parts of the Municipal Code as it relates to this project.
12. If the approved plans need to be revised to address any of the conditions of approval or to conform to Building and Fire Safety Codes, the Zoning Administrator and the Building Inspectors are authorized to approve minor modifications so long as the overall project elements remain unchanged. If they determine that the revision is substantial, the plans must be submitted to the Plan Commission for review and approval.
13. Trash enclosure shall be constructed per Village standards and plans submitted.
14. Refuse/Recycling Collection shall be contracted privately.
15. All lighting within the parking lot and building lighting shall be full cut off lighting and meet municipal standards. Building lighting shall not be direct light or the appearance of light towards adjoining properties. The Police Department or Zoning Administrator, after completion or any modification to the lighting in the future, may request adjustments. A photometric lighting plan must be submitted and approved prior to construction.
16. Landscaping shall be installed per Village standards and approved plans.
17. The applicant shall comply with the requirements of the Village Utility Department pertaining to sewer and water services.
18. Any future modification to the site such as modification of parking, lighting, grading, signage, fences, etc. may require Site Plan and Architectural Review.

Passed and adopted by the Village of Mukwonago Plan Commission this 13th day of May, 2025.

VILLAGE OF MUKWONAGO

By: _____
Fred Winchowky, Village President

Attest: _____
Shay Zerfas, Deputy Clerk-Treasurer

Docusign Envelope ID: 0588943D-8B7E-4189-B11D-DA51FC53E9E6

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

Date Submitted: 04/23/2025

## FEES

*(Please check one)*

- ☑ Minor Site Plan (No Building): $160.00
- ☐ Major Site Plan; New Building/Addition (> 600 sq. ft.): $475.00 plus $.02 per sq. ft.
- ☐ Planned Unit Development (PUD) Review: $225.00 plus $50.00/unit
- ☐ Other (See Current Fee Schedule)_____

## CONTACTS

**Building Department**
Contact: Supervisor of Inspections
Tim Rutenbeck
Phone: (262) 363-6419 Option 1
Fax: (262) 363-6425
Email: trutenbeck@villageofmukwonago.gov

**Zoning and Planning**
Contact: Village Planner
Peter Gesch
Phone: (262) 542-5733
Fax: (262) 363-6425
Email: pgesch@ruekert-mielke.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: trutenbeck@villageofmukwonago.gov

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

## APPLICANT *(Full Legal Name)*

**Name:** Chris Schuldt

**Company:** Tsunami Car Wash

**Address:** 4800 Meadows Rd., Ste 300 **City:** Lake Oswego **State:** OR **Zip:** 97055

**Daytime Phone:** 503-830-9936 **Fax:** _____

**E-Mail:** Chris@tsunamiexpress.com

Docusign Envelope ID: 0588943D-8B7E-4189-B11D-DA51FC53E9E6

Docusign Envelope ID: CCD38969-649B-4359-9640-6C9322461447

## APPLICANT IS REPRESENTED BY *(Full Legal Name)*

**Name:** Jerry Mortier

**Company:** The Redmond Company

**Address:** W228 N745 Westmound dr **City:** Waukesha **State:** WI **Zip:** 53186

**Daytime Phone:** 262-896-8753 **Fax:**

**E-Mail:** jmortier@theredmondco.com

## ARCHITECT

**Name:** Same as Applicant Representative

**Company:**

**Address:** **City:** **State:** **Zip:**

**Daytime Phone:** **Fax:**

**E-Mail:**

## PROFESSIONAL ENGINEER

**Name:** Al Jeske

**Company:** Neilsen Madsen & Barber

**Address:** 1458 Horizon blvd **City:** Racine **State:** WI **Zip:** 53406

**Daytime Phone:** 262-634-5588 **Fax:**

**E-Mail:** ajeske@nmbsc.net

## REGISTERED SURVEYOR

**Name:** Mark Madsen

**Company:** Neilsen Madsen & Barber

**Address:** 1458 Horizon blvd **City:** Racine **State:** WI **Zip:** 53406

**Daytime Phone:** MMadsen@nmbsc.net **Fax:**

**E-Mail:**

## CONTRACTOR

**Name:** Same as Applicant Representative

**Company:**

**Address:** **City:** **State:** **Zip:**

**Daytime Phone:** **Fax:**

**E-Mail:**

Docusign Envelope ID: 0588943D-8B7E-4189-B11D-DA51FC53E9E6

Docusign Envelope ID: CCD38969-649B-4359-9640-6C9322461447

## PROPERTY INFORMATION

**Property Owner (s)** *(if different from applicant)*: DC Properties LLP

**Address:** 1243 Fox River Court **City:** Mukwonago **State:** WI **Zip:** 53149

**Daytime Phone:** _____ **Fax:** _____

**E-Mail:** _____

**Present Zoning:** _____ **Tax Key No(s).:** MUKV2013995001

**Location/Address:** 115 Wolf Run

**Present Use:** Vacant **Intended Use:** Car Wash

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

**Submittals for review must include and be accompanied by the following:**

**Application:**

- ❑ Completed application form including the procedural checklist.
- ❑ Application fee: See page 1.
- ❑ Agreement for Reimbursable Services (separate application).

**Other Documents:**

- ❑ One(1) complete set of Application and materials, in addition to the original, for Village of Mukwonago review.
- ❑ Project Summary: Please attach a statement detailing the reasons and background for this request including: details of proposal, services provided, wares sold, plans and hours of operation, number of employees, frequency of customer visits, frequency of deliveries to site, description of any interior/exterior modifications or additions to be made to property, any outside storage (dumpsters, trucks, materials…), number of parking stalls, screening/buffer type, any other information available. ***PLEASE EXPLAIN IN DETAIL.***
- ❑ **Electronic Submittals are required.** Email (or CD ROM) with all plans and submittal materials in Adobe PDF to trutenbeck@villageofmukwonago.gov .
- ❑ Any additional information as determined by Village staff.

- **Upon receipt of a complete submittal, staff review will be conducted within ten business days.**
- **All Site Plan, Architectural, and Planned Unit Development review requests require Plan Commission review and Village Board approval.**

Docusign Envelope ID: 0588943D-8B7E-4189-B11D-DA51FC53E9E6

Docusign Envelope ID: CCD38969-649B-4359-9640-6C9322461447

## 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).*

Signed by:
Darwin Greenwald
Signature - Property Owner

Darwin Greenwald
Name & Title (PRINT)

4/23/2025
Date

Signature - Property Owner

Name & Title (PRINT)

Date

DocuSigned by:
Chris Schuldt
Signature - Applicant

Chris Schuldt
Name & Title (PRINT)

4/24/2025
Date

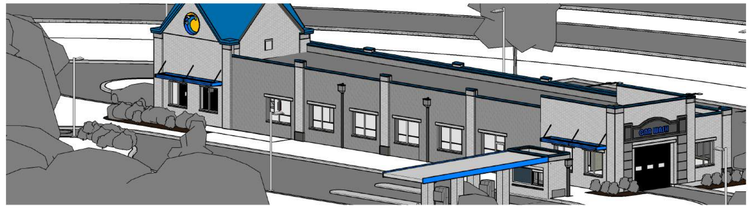
Signature - Applicant's Representative

Jerry Mortier - Vice President
Name & Title (PRINT)

04/23/2025
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** | |

# Tsunami Express Car Wash



## 115 East Wolf Run | Mukwonago, WI 53149

## PROJECT TEAM

**OWNER**
**Tsunami Express Carwash**
4800 Meadows Rd, Suite 300
Oswego, OR 97055

**DESIGN / BUILDER**
**The Redmond Company**
W228 N745 Westmound Drive
Waukesha, WI 53186

PROJECT CONTACT: Connor Lenz
EMAIL: CLenz@theredmondco.com
P: 262-896-8726

DESIGN CONTACT: Jerry Mortier
EMAIL: jmortier@theredmondco.com
P: 262-896-8753

**CIVIL ENGINEER**
**NIELSEN MADSEN + BARBER**
1458 HORIZON BLVD. SUITE 200
RACINE, WI 53406

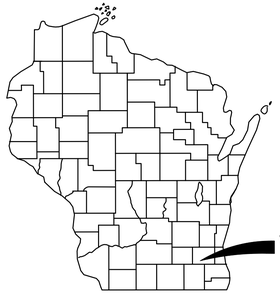
PROJECT CONTACT: AL JESKE
EMAIL: AJESKE@NMBSC.NET
P: 262-634-5588

**LANDSCAPE ARCHITECT**
**HELLER & ASSOCIATES**
RACINE, WI 53406

PROJECT CONTACT: DAVID HELLER
EMAIL: DAVID@WDAVIDHELLER.COM
P: 414-614-9733

## VICINITY MAP

PROJECT LOCATION
Wolf Run
Meadows
Mapleton
Mapleton
Wolf Run
Wolf Run
Mapleton
Mapleton
Mapleton



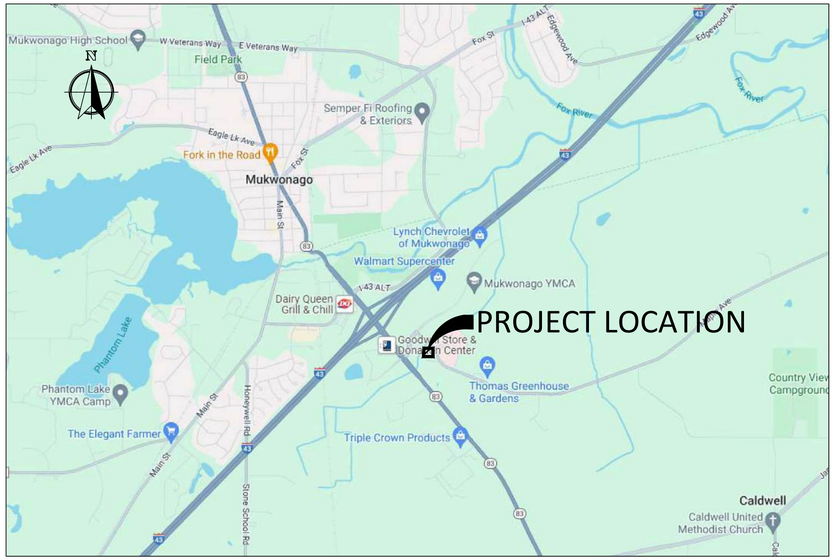

# CONSTRUCTION PLANS
for
# TSUNAMI EXPRESS CAR WASH
for
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
115 East Wolf Run, Mukwonago, Wisconsin

## LEGEND

| Description | Existing | Description | Existing | Proposed |
|---|---|---|---|---|
| EDGE OF WOODS | | WATER SHUT OFF | | |
| DECIDUOUS TREE | | WATER MAIN VALVE | | |
| DECIDUOUS TREE REMOVAL | | HYDRANT | | |
| CONIFEROUS TREE | | WATER MAIN REDUCER | | |
| CONIFEROUS TREE REMOVAL | | SANITARY MANHOLE | | |
| BUSH | | SANITARY CLEAN OUT | | |
| SOIL BORING | SB 1 | STORM MANHOLE | | |
| TELEPHONE BOX | T | CATCH BASIN | | |
| GUY WIRE | | LIGHT POLE | | |
| UTILITY POLE | | ENDWALL | | |
| GAS VALVE | GV | STORM SEWER | STM | |
| GAS METER | | SANITARY SEWER | SAN | |
| SEPTIC VENT | | WATERMAIN | W | |
| ELECTRIC MANHOLE | | CONTOURS | 650 | 650 |
| COMMUNICATION MANHOLE | | FIRE PROTECTION | | FP |
| WATER MANHOLE | | UTILITY CROSSING | | |
| HVAC UNIT | | DITCH OR SWALE | | |
| UNDERGROUND VAULT | | CULVERT | 12" CMP | 12" CMP |
| SECTION CORNER | | RAILROAD TRACKS | | |
| MAIL BOX | | FENCE | X X | |
| GUARD POST | | NO VEHICULAR ACCESS | | |
| STREET SIGN | | UNDERGROUND ELECTRIC | E | |
| ELECTRIC PEDESTAL | | UNDERGROUND GAS MAIN | G | |
| ELECTRIC METER | | UNDERGROUND COMMUNICATIONS | CM | |
| PAD MOUNT TRANSFORMER | | SILT FENCE | // | |
| FOUND IRON PIPE | | OVERHEAD ELECTRIC | OHE | |
| SET IRON PIPE | | FORCE MAIN | \ | |

## ABBREVIATIONS

| | | | |
|---|---|---|---|
| BASE LINE | BL | INVERT ELEVATION | IE |
| LONG CORD OF CURVE | CHD | LENGTH OF CURVE | ARC |
| CURB AND GUTTER | C&G | MANHOLE | MH |
| CATCH BASIN | CB | NORMAL WATER LEVEL | NWL |
| CENTERLINE | CL | POINT OF CURVATURE | PC |
| EDGE OF PAVEMENT | EOP | POINT OF TANGENCY | PT |
| FINISHED FIRST FLOOR | FFF | TANGENCY OF CURVE | TAN |
| FINISHED GRADE | FG | POINT OF VERTICAL INTERSECTION | PVI |
| FLOW LINE | FL | RADIUS | R |
| FLOODPLAIN | FP | RIGHT OF WAY | ROW |
| ORDINARY HIGH WATER MARK | OHWM | SANITARY SEWER | SAN |
| TOP OF BANK | TOB | STORM SEWER | STM |
| TOP OF CURB | TOC | TOP OF FOUNDATION | TOF |
| TOP OF WALK | TOW | WATER MAIN | WM |




DIGGERS HOTLINE
Call 811 or (800) 242-8511
www.DiggersHotline.com

## UTILITY NOTE

EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND / OR TO AVOID DAMAGE THERETO, CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.

## SHEET INDEX


| PLAN SHEET | SHEET NO. |
|---|---|
| TITLE SHEET | C-1 |
| EXISTING CONDITIONS | C-2 |
| DIMENSIONED SITE PLAN | C-3 |
| SITE DEMOLITION PLAN | C-4 |
| SITE GRADING PLAN | C-5 |
| EROSION CONTROL PLAN | C-6 |
| PAVEMENT GRADING PLAN | C-7 |
| SITE UTILITY PLAN | C-8 |
| STORM SEWER PLAN | C-9 |
| TYPICAL SECTIONS & CONSTRUCTION DETAILS | C-10 TO C-14 |
| CONTECH WATER QUALITY STRUCTURE DETAILS | C-15 AND C-16 |


## OWNER

TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC.
CHRIS SCHULDT, CEO
4800 MEADOWS ROAD, SUITE 300
LAKE OSWEGO, OR 97035
OFFICE: 920-744-9882
EMAIL: chris@tsunamiexpress.com

## GENERAL CONTRACTOR

THE REDMOND COMPANY
JERRY MORTIER
W228 N745 WESTMOUND DR
WAUKESHA, WI 53186
OFFICE: 262-896-8727
EMAIL: jmortier@theredmondco.com

## GOVERNING AGENCY CONTACTS

VILLAGE OF MUKWONAGO
VILLAGE CLERK/TREASURER
DIANA DYKSTRA
OFFICE: 262-363-6420 EXT. 2103
EMAIL: ddykstra@villageofmukwonago.gov

COMMUNITY AND ECONOMIC DEVELOPMENT
ADMINISTRATIVE CLERK
ROBIN GALLO
OFFICE: 262-363-6420 EXT. 2102
EMAIL: rgallo@villageofmukwonago.gov

PUBLIC WORKS DIRECTOR
RON BITTNER
OFFICE: 262-363-6447
EMAIL: rbittner@villageofmukwonago.gov

VILLAGE OF MUKWONAGO
BUILDING INSPECTOR
TIM RUTTENBECK
OFFICE: 262-363-6420 EXT. 2109
EMAIL: truttenbeck@villageofmukwonago.gov

POLICE CHIEF
DANIEL J. STREIT
OFFICE: 262-363-6435
EMAIL: dstreit@villageofmukwonago.gov

FIRE CHIEF
JEFFREY R. STEIN
OFFICE: 262-363-6426
EMAIL: jstein@villageofmukwonago.gov

## PUBLIC UTILITY CONTACTS

SPECTRUM
ROBERT TUNUTA
UTILITY COORDINATOR
OFFICE: 414-277-4205
CELL: 414-758-5688
EMAIL: tunuta@charter.net

WE-ENERGIES
TOM SCHULTZ
OFFICE: 262-552-3229
EMAIL: tom.schultz@we-energies.com

NATURAL GAS EMERGENCY:
(800) 261-5325
ELECTRICAL EMERGENCY:
(800) 662-4797

AT&T
BRENT LEWIS
MANAGER OSP PLANNING
& ENGINEERING DESIGN
OFFICE: 414-429-4214
EMAIL: bl521d@att.com

TDS TELECOM
SOUTHEAST WISCONSIN
OFFICE: 877-483-7142


Nielsen Madsen + Barber
CIVIL ENGINEERS AND LAND SURVEYORS
1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net


**TSUNAMI EXPRESS CAR WASH**
CONSTRUCTION PLANS
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|
| | | | |

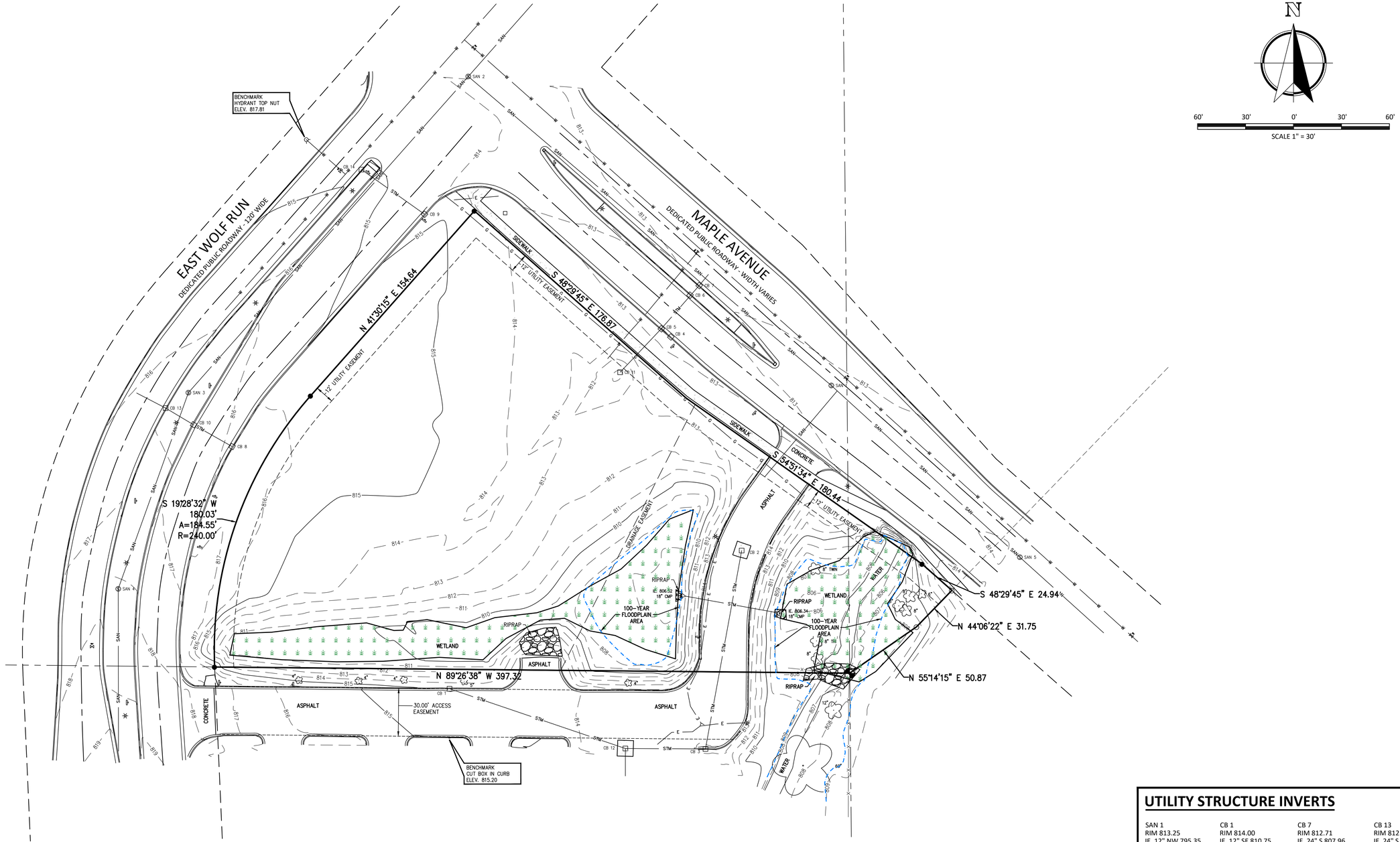
| | |
|---|---|
| PROJ. MGR: | JJC |
| DRAFTED: | JWR |
| DATE: | 4-10-2025 |
| CHECKED: | ALJ |
| DATE: | 4-11-2025 |

2024.0060.01

SHEET
C-1

**ISSUE FOR REVIEW: 4-12-2025**

Friday, April 11, 2025 8:05:34 AM




## NOTES

BEARINGS BASE: GRID NORTH, WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE NAD 1983/2011.

ALL ELEVATIONS REFER TO NAVD 1988 (12)

FIELD WORK: 3-29-2024 ETM / KRF
4-01-2024 ETM / KRF

DIGGERS HOTLINE
Call 811 or (800) 242-8511
www.DiggersHotline.com

## LEGEND

- STORM MANHOLE
- CATCH BASIN
- STORM SEWER
- SANITARY MANHOLE
- SANITARY SEWER
- HYDRANT
- WATER VALVE
- WATER MAIN
- COMMUNICATION BOX
- COMMUNICATION LINE
- LIGHT POLE
- ELECTRIC LINE
- SIGN
- DECIDUOUS TREE
- 1-1/4" REBAR FOUND

## UTILITY NOTE

EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND / OR TO AVOID DAMAGE THERETO, CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.

## UTILITY STRUCTURE INVERTS

SAN 1
RIM 813.25
IE. 12" NW 795.35
IE. 12" SE 795.35

SAN 2
RIM 814.31
IE. 36" NE 792.86
IE. 36" SW 792.86
IE. 12" SE 794.66

SAN 3
RIM 816.97
IE. 36" NW 793.47
IE. 36" SE 793.47

SAN 4
RIM 818.12
IE. 36" NE 793.97
IE. 36" S 793.97

SAN 5
RIM 814.11
IE. 12" NW 796.01
IE. 12" SE 796.01

CB 1
RIM 814.00
IE. 12" SE 810.75

CB 2
RIM 813.21
IE. 8" S 810.81

CB 3
RIM 812.84
IE. 12" W 809.44
IE. 8" NE 810.44

CB 4
RIM 812.02
IE. 15" W 808.97

CB 5
RIM 811.97
IE. 24" S 808.17
IE. 24" N 808.07
IE. 15" E 808.82

CB 6
RIM 812.52
IE. 24" S 807.97
IE. 24" N 807.87

CB 7
RIM 812.71
IE. 24" S 807.96
IE. 24" N 807.86

CB 8
RIM 815.71
IE. 15" W 811.86

CB 9
RIM 814.20
IE. 15" W 810.70

CB 10
RIM 816.31
IE. 15" W 811.51
IE. 15" E 811.61

CB 11
RIM 810.83
IE. 24" W 808.48

CB 12
RIM 813.46
IE. 12" W 810.41
IE. 12" E 810.46
IE. 15" S 810.36

CB 13
RIM 812.71
IE. 24" S 807.96
IE. 24" N 807.86

CB 14
RIM 814.84
IE. 15" SE 810.24
IE. 15" NW 810.14

Nielsen Madsen + Barber
CIVIL ENGINEERS AND LAND SURVEYORS
1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net

# TSUNAMI EXPRESS CAR WASH
EXISTING CONDITIONS
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|

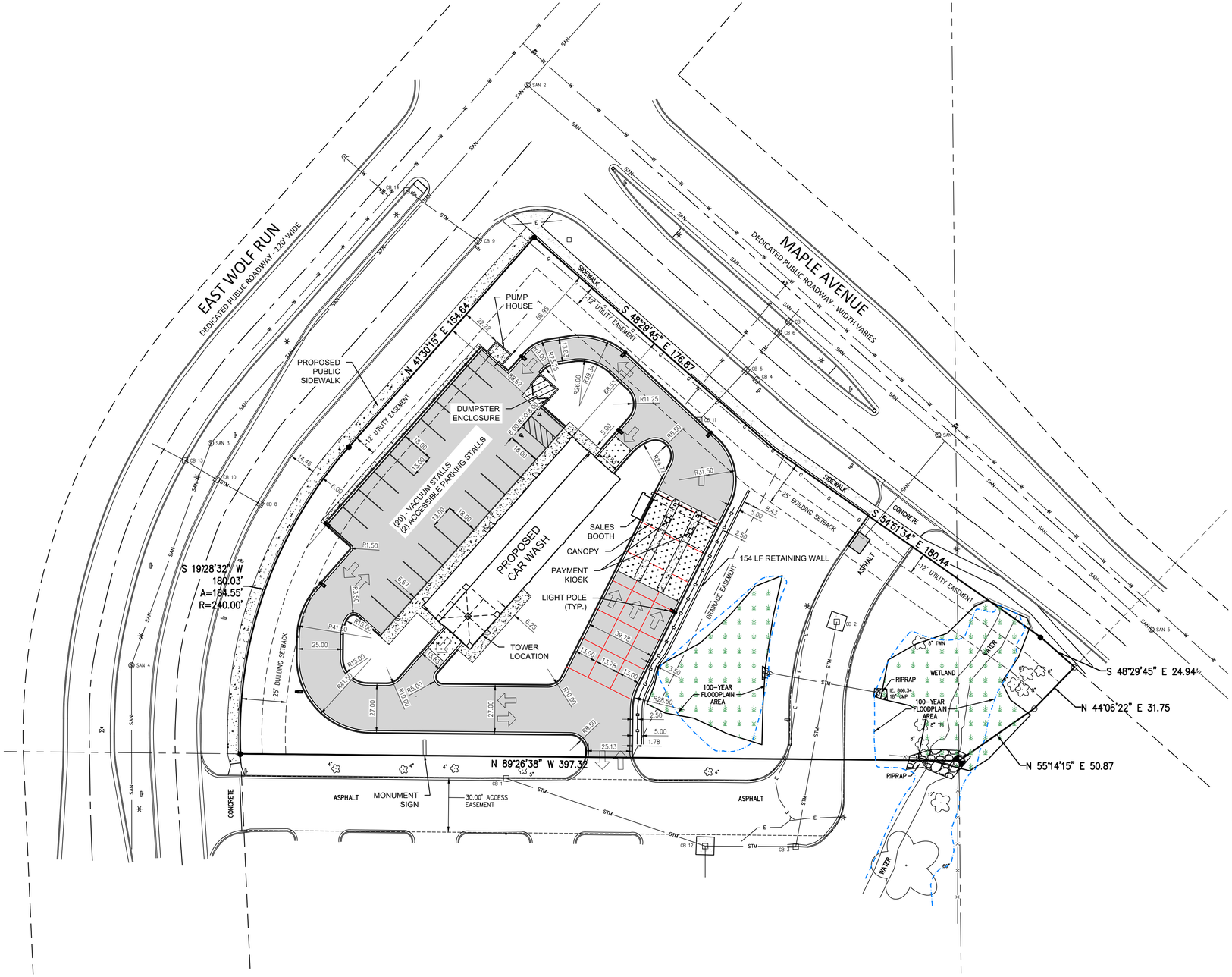
PROJ. MGR: JJC
DRAFTED: JWB
DATE: 4-10-2025
CHECKED: ALJ
DATE: 4-11-2025

2024.0060.01

SHEET
C-2

ISSUE FOR REVIEW: 4-12-2025

Friday, April 11, 2025 8:05:42 AM




N

60' 30' 0' 30' 60'

SCALE 1" = 30'

## SITE DATA

| | |
|---|---|
| PARCEL NUMBER: | MUKV2013995001 |
| EXISTING ZONING: | C-4 CENTRAL BUSINESS DISTRICT<br>C-4 REGIONAL BUSINESS DISTRICT |
| EXISTING LAND USE: | VACANT |
| EXISTING FLOOD ZONE: | NOT IN A FLOOD ZONE |
| DEVELOPMENT TYPE: | COMMERCIAL |
| PROPOSED LAND USE: | RETAIL |

EXISTING IMPERVIOUS SURFACE CALCULATIONS

| | |
|---|---|
| TOTAL IMPERVIOUS SURFACE AREA: | 5,056 S.F. (6.45%) |
| TOTAL GREEN SPACE AREA: | 73,284 S.F (93.55%) |
| TOTAL PARCEL AREA: | 78,340 S.F (1.80 ACRES) |

PROPOSED IMPERVIOUS SURFACE CALCULATIONS

| | |
|---|---|
| PROPOSED BUILDING AREA: | 4,994 S.F. |
| PROPOSED PAVEMENT AREA: | 31,043 S.F. |
| TOTAL IMPERVIOUS SURFACE AREA: | 36,037 S.F. (46.00%) |
| PROPOSED LANDSCAPED AREA: | 42,303 S.F. (54.00%) |
| TOTAL GREEN SPACE AREA: | 42,303 S.F (54.00%) |
| TOTAL PARCEL AREA: | 78,340 S.F (1.80 ACRES) |
| FLOOR AREA RATIO: | 0.07 |
| LANDSCAPE SURFACE RATIO: | 54.00% |

PROPOSED PARKING DATA

| | |
|---|---|
| RETAIL (1 SPACE PER 300 S.F. GFA): | 5,000/300 = 17 SPACES |
| TOTAL REQUIRED PARKING: | 17 SPACES |
| TOTAL PROPOSED PARKING: | 22 SPACES (INCLUDING 2 ADA SPACES) |

DIGGERS HOTLINE
Call 811 or (800) 242-8511
www.DiggersHotline.com

## UTILITY NOTE

EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND / OR TO AVOID DAMAGE THERETO, CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.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# TSUNAMI EXPRESS CAR WASH
DIMENSIONED SITE PLAN
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|

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|---|---|
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| DRAFTED: | JWR |
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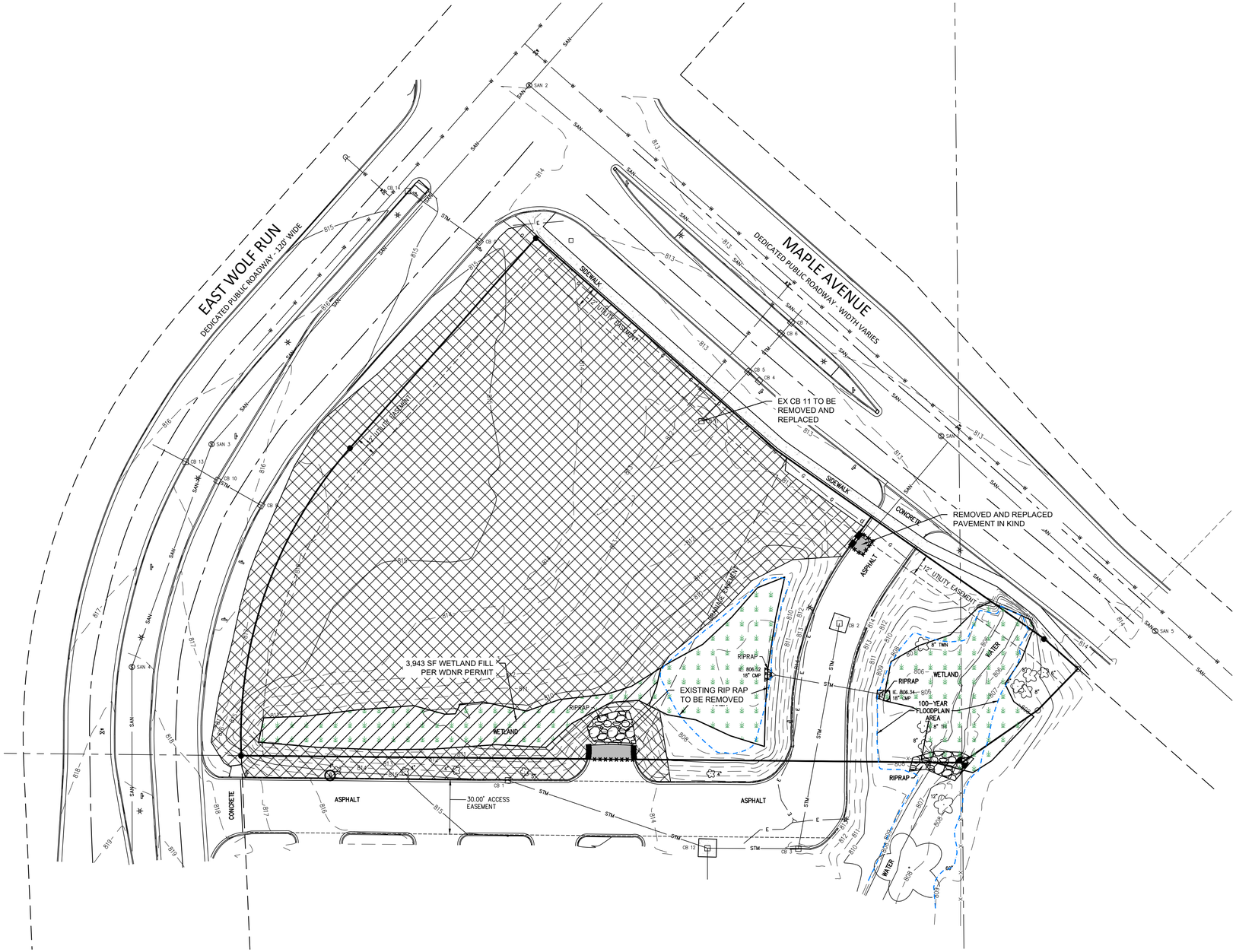


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60' 30' 0' 30' 60'

SCALE 1" = 30'

## DEMOLITION NOTES

THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL AT A LOCATION APPROVED (BY ALL GOVERNING AUTHORITIES) OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PAVEMENTS, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLY COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.

THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION, SITE CLEARING, AND DISPOSAL.

THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE LAND SURVEYOR AND ENGINEER OF RECORD ASSUME NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON-SITE LOCATIONS OF EXISTING UTILITIES.

ALL EXISTING SEWERS, PIPING, AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CALL DIGGERS HOTLINE AT 1-800-242-8511 A MINIMUM OF 3 WORKING DAYS PRIOR TO EXCAVATION ACTIVITIES TO LOCATE AND MARK ALL UNDERGROUND UTILITIES.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HIRE A PRIVATE UTILITY LOCATING SERVICE TO LOCATE AND MARK ALL UNDERGROUND PRIVATE UTILITIES.

CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH SIGNS, FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE CONSTRUCTION MANAGER. TEMPORARY CLOSURE OF ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING THE COURSE OF WORK.

PRIOR TO DEMOLITION OCCURRING, THE VILLAGE OF MUKWONAGO EROSION CONTROL PERMIT AND WDNR WRAPP PERMIT SHALL BE OBTAINED. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE DEMOLITION CAN OCCUR. ORANGE CONSTRUCTION FENCE TO BE INSTALLED ALONG ALL WETLAND AREAS AS SHOWN ON THE SITE GRADING PLAN.

EXISTING ITEMS TO REMAIN INCLUDING, BUT NOT LIMITED TO, FENCES, SIGNS, UTILITIES, BUILDINGS, TREES, PAVEMENTS, AND LIGHT POLES SHALL BE CAREFULLY PROTECTED DURING THE DEMOLITION PROCESS. ANY DAMAGE SUSTAINED TO ITEMS TO REMAIN IN PLACE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE OWNER.

PROPERTY CORNERS AND BENCHMARKS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL LIMIT PAVEMENT REMOVALS TO ONLY THOSE AREAS WHERE IT IS NECESSARY AS SHOWN ON THESE CONSTRUCTION PLANS. CONCRETE SIDEWALK AND CURB & GUTTER IS TO BE REMOVED TO NEAREST JOINT IN ORDER TO ACCOMMODATE PROPOSED IMPROVEMENTS. IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENTS AND/OR OTHER IMPROVEMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPAIR OF DAMAGED PAVEMENT AND OTHER ITEMS AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR TO REMOVE ALL EXISTING SIGNS WITHIN PROPERTY LIMITS EXCEPT FOR THOSE CALLED TO BE SALVAGED TO THE OWNER OR SALVAGED AND RELOCATED.

IF PREVIOUSLY UNIDENTIFIED HAZARDOUS, CONTAMINATED MATERIALS, OR OTHER ENVIRONMENTAL RELATED CONDITIONS ARE DISCOVERED, STOP WORK IMMEDIATELY AND NOTIFY THE PROJECT CONSTRUCTION MANAGER FOR ACTION TO BE TAKEN. DO NOT RESUME WORK UNTIL SPECIFICALLY AUTHORIZED BY THE CONSTRUCTION MANAGER.

AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED, EXCESS, WASTE, STOCKPILED AND SPOIL MATERIAL IN ACCORDANCE WITH SECTION 205.3.12 OF THE "STATE SPECIFICATIONS". THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

## DEMOLITION LEGEND

- SAW CUT PAVEMENT (FULL DEPTH)
- STRIP & SALVAGE TOPSOIL
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE CURB AND GUTTER
- WETLAND FILL AREA
- REMOVE SIGN

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# TSUNAMI EXPRESS CAR WASH
SITE DEMOLITION PLAN
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
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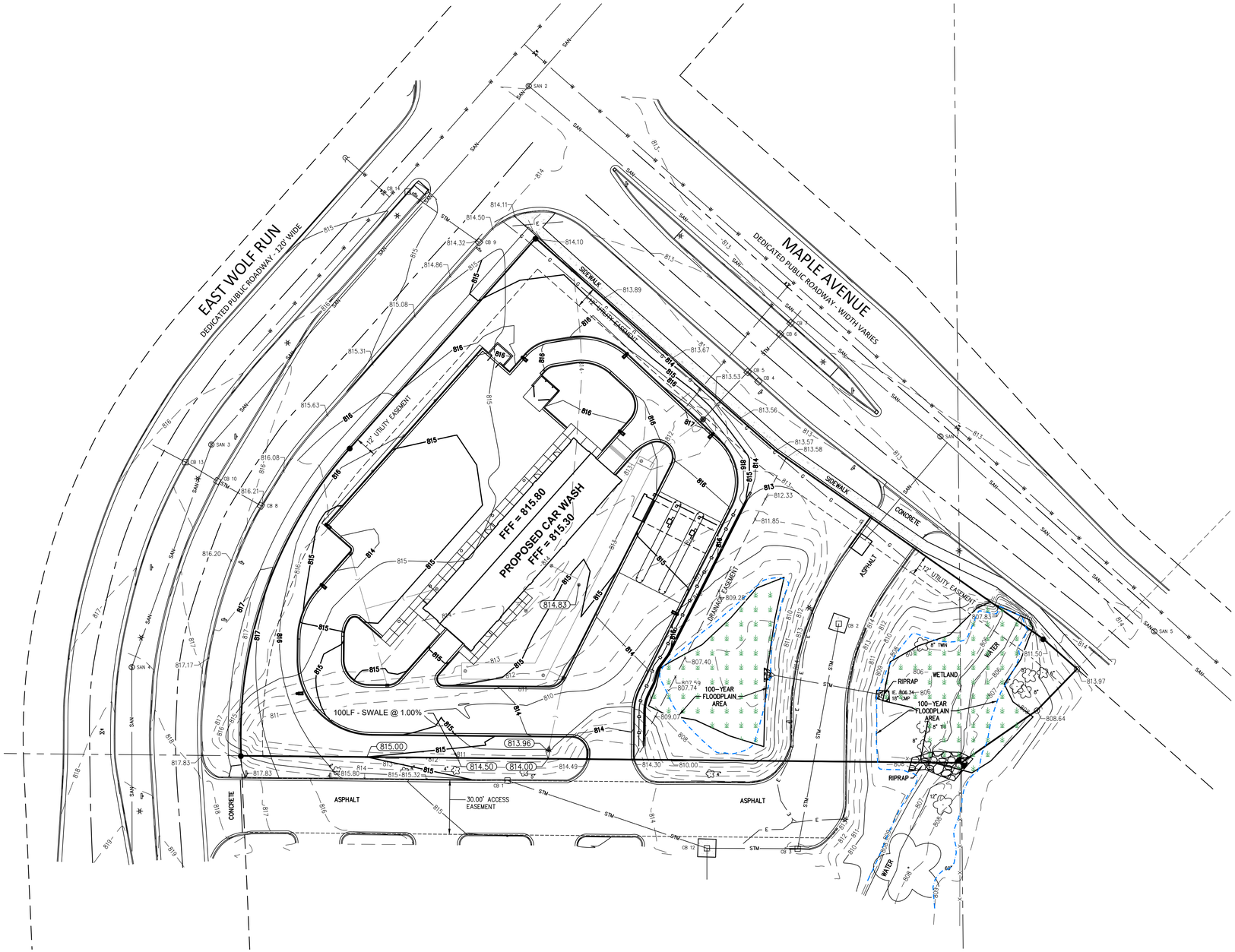


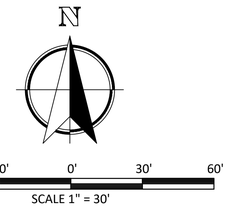


## SITE GRADING & SUB-GRADE PREPARATION

ALL EXISTING TOPSOIL AND OTHER NON-STRUCTURAL MATERIAL WITHIN THE PROPOSED BUILDING PADS, PAVEMENT SECTIONS AND STRUCTURAL FILL AREAS SHALL BE STRIPPED AND STOCKPILED AT THE LOCATION SHOWN OR AS DIRECTED BY THE GENERAL CONTRACTOR.

EXCAVATE, GRADE AND SHAPE SUBGRADE TO THE LINES AND GRADES SHOWN ON THE PLANS. SEE TYPICAL SECTIONS FOR PAVEMENT THICKNESS AND MATERIALS.

FOR STRUCTURAL FILL DEPTHS LESS THAN 20 FEET, THE DENSITY OF THE STRUCTURAL COMPACTED FILL AND SCARIFIED SUBGRADE AND GRADES SHALL NOT BE LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR (ASTM D-698) WITH THE EXCEPTION OF THE TOP 12 INCHES OF PAVEMENT SUBGRADE WHICH SHALL HAVE A MINIMUM IN-SITU DENSITY OF 100 PERCENT OF MAXIMUM DRY DENSITY, OR 5 PERCENT HIGHER THAN UNDERLYING FILL MATERIALS.

THE MOISTURE CONTENT OF COHESIVE SOIL SHALL NOT VARY BY MORE THAN -1 TO +3 PERCENT AND GRANULAR SOIL ±3 PERCENT OF THE OPTIMUM WHEN PLACED AND COMPACTED OR RECOMPACTED, UNLESS SPECIFICALLY RECOMMENDED / APPROVED BY THE SOILS ENGINEER MONITORING THE PLACEMENT AND COMPACTION. COHESIVE SOILS WITH MODERATE TO HIGH EXPANSIVE POTENTIALS (PI>15) SHOULD, HOWEVER, BE PLACED, COMPACTED AND MAINTAINED PRIOR TO CONSTRUCTION AT A MOISTURE CONTENT OF 3±1 PERCENT ABOVE OPTIMUM MOISTURE CONTENT TO LIMIT FUTURE HEAVE.

THE FILL SHALL BE PLACED IN LAYERS WITH A MAXIMUM LOOSE THICKNESS OF 9 INCHES. THE COMPACTION EQUIPMENT SHOULD CONSIST OF SUITABLE MECHANICAL EQUIPMENT SPECIFICALLY DESIGNED FOR SOIL COMPACTION. BULLDOZERS OR SIMILAR TRACKED VEHICLES ARE TYPICALLY NOT SUITABLE FOR COMPACTION.

UPON COMPLETION OF THE GRADING AND COMPACTION OF THE SUBGRADE, A PROOF ROLL SHALL BE CONDUCTED BY THE CONTRACTOR ON ALL SUBGRADES THAT RECEIVE DENSE AGGREGATE BASE COURSE. THE CONTRACTOR SHALL PROVIDE A FULLY LOADED QUAD-AXLE TRUCK (18 TON MINIMUM LOAD) TO PERFORM THE PROOF ROLL. CONTRACTOR SHALL COORDINATE THE PROOF ROLL WITH THE OWNER AND THE GENERAL CONTRACTOR'S GEOTECHNICAL ENGINEER.

SOIL COMPACTION IN ALL FILL AND EMBANKMENT AREAS SHALL BE APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER.

TEMPORARY SEEDING IS REQUIRED FOR ALL STOCKPILES AND OTHER EXPOSED LAND AREAS IF NOT ACTIVELY WORKED WITHIN 30 DAYS. AT THE COMPLETION OF THE GRADING WORK, RE-SPREAD SALVAGED TOPSOIL OR IMPORT TOPSOIL AS NECESSARY TO PROVIDE A MINIMUM SIX-INCH (6") LAYER IN ALL LANDSCAPE AND LAWN AREAS.

ALL DISTURBED AREAS SHALL BE RESTORED PER LANDSCAPE PLAN.

SEEDING SHALL BE IN ACCORDANCE WITH STATE SPECIFICATION 630, EXCEPT AS MODIFIED HEREIN.

A. AREAS DESIGNATED ON THE PLANS TO BE SEEDED OR AREAS WHERE GRASS IS TO BE REPLACED SHALL BE SEEDED AT A RATE OF FOUR POUNDS PER 1,000 SQUARE FEET WITH GRASS SEED MEETING THE REQUIREMENTS OF REINDEERS DELUXE 50 OR AN APPROVED EQUAL.

B. DISTURBED TURF AREAS SHALL BE SEEDED, FERTILIZED, AND RESTORED WITH EROSION MAT AS NECESSARY TO OBTAIN VIGOROUS, DENSE VEGETATIVE COVER.

AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED, EXCESS, WASTE, STOCKPILED AND SPOIL MATERIAL IN ACCORDANCE WITH SECTION 205.3.12 OF THE "STATE SPECIFICATIONS". THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

## CONSTRUCTION SEQUENCING

1. OBTAIN PLAN APPROVAL AND ALL APPLICABLE PERMITS.
2. NOTIFY THE VILLAGE OF THE PROJECT START DATE.
3. HOLD A PRE-CONSTRUCTION CONFERENCE AT LEAST ONE (1) WEEK PRIOR TO STARTING CONSTRUCTION.
4. INSTALL CONSTRUCTION ENTRANCE.
5. INSTALL SILT FENCE BARRIER.
6. INSTALL INLET PROTECTION.
7. BEGIN DEMOLITION WORK.
8. BEGIN BUILDING STRUCTURE.
9. INSTALL ALL UTILITIES.
10. GRADE PAVEMENT AREAS.
13. FINAL GRADE STONE IN PAVEMENT AREAS.
14. INSTALL CURB & GUTTER AND SIDEWALKS.
15. RE-GRADE STONE & INSTALL PAVEMENTS.
16. RESTORE AND INSTALL EROSION MAT WHERE NOTED ON PLANS.
17. AT CONCLUSION OF GRADING ACTIVITIES ALL NON-EROSION CONTROL MAT AREAS SHALL BE SEEDED AND MULCHED.

## GRADING LEGEND

- 692 — EXISTING CONTOURS
- 702 — PROPOSED CONTOURS
- 604.88 EXISTING SPOT GRADES
- 604.88 PROPOSED SPOT GRADES

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# TSUNAMI EXPRESS CAR WASH
SITE GRADING PLAN
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|

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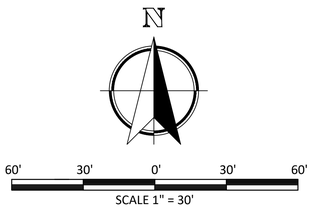


## EROSION CONTROL LEGEND

- 3 / C-10 — STORM SEWER INLET PROTECTION (TYPE "C" UNLESS SPECIFIED DIFFERENTLY)
- 1 / C-10 — SILT FENCE
- 4 / C-10 — SLOPE EROSION MAT (CLASS 1, TYPE A, URBAN)
- 5 / C-10 — CHANNEL EROSION MAT (CLASS 1, TYPE B)
- 2 / C-10 — STONE TRACKING PAD
- LIMITS OF DISTURBANCE (1.438 AC)

INSTALL SILT FENCE PER SECTION 628 OF THE "STATE SPECIFICATIONS" AND WDNR TECHNICAL STANDARD 1056 AT THE LOCATIONS SHOWN ON THE PLAN. ERECT SILT FENCE PRIOR TO STARTING A CONSTRUCTION OPERATION THAT MIGHT CAUSE SEDIMENTATION OR SILTATION AT THE SITE OF THE PROPOSED SILT FENCE. CONTRACTOR SHALL INSTALL SILT FENCING AT DOWNSLOPE SIDE OF STOCKPILES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REMOVAL OF ALL REQUIRED SILT FENCE MATERIAL.

ALL PROPOSED STORM SEWER STRUCTURES AND ADJACENT EXISTING STORM INLETS SHALL HAVE A LAYER OF GEOTEXTILE FABRIC (TYPE "FF") INSTALLED BETWEEN THE FRAME & GRATE TO PREVENT SEDIMENT OR SILT FROM ENTERING THE SYSTEM. THE INLET PROTECTION SHALL BE INSPECTED BY THE CONTRACTOR AND REPLACED EVERY 14 DAYS AND AFTER EACH RAINFALL EVENT. FABRIC TO BE REPLACED AS NEEDED TO MEET FIELD CONDITIONS.

THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT HIS/HER EXPENSE (WHEN NECESSARY OR AS REQUIRED BY LOCAL INSPECTORS AND/OR ENGINEER OF RECORD).

EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):

A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.

B. BACKFILL, COMPACT AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.

C. ANY WATER PUMPED FROM PITS, TRENCHES, WELLS OR PONDS SHALL BE DISCHARGED INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 AND BMP'S PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM OR DRAINAGE DITCH. PUMPED WATER CAN BE TREATED IN FILTER BAGS, STONE FILTERS OR SIMILAR DEVICES. QUALITY OF PUMPED WATER SHALL BE CONTINUOUSLY MONITORED DURING PUMPING OPERATIONS.

CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATION(S) WITH THE PROPER AUTHORITIES, PROVIDE NECESSARY FEES AND OBTAIN ALL REQUIRED APPROVALS OR PERMITS. ADDITIONAL CONSTRUCTION ENTRANCES, OTHER THAN SHOWN ON THE PLANS, MUST HAVE PRIOR APPROVAL BY THE VILLAGE OF MUKWONAGO.

DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.

CONCRETE WASHOUT BASIN SHALL BE LOCATED ON SITE IN AN AREA THAT IS STABILIZED AND DRAINS INTO SUITABLE SEDIMENT TRAPPING OR SETTLING DEVICE. MONITOR THE WASHOUT BASIN FOR SEDIMENT ACCUMULATION, CLOGGED HOSES, APPROPRIATE WATER LEVELS, AND EFFECTIVENESS.

ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 DAYS AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059 AND THE VILLAGE OF MUKWONAGO ORDINANCE.

ALL DISTURBED SLOPES EXCEEDING 5:1, SHALL BE STABILIZED WITH CLASS I, TYPE A EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WisDOT) APPROVED (POLYMER) SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052.

PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AT THE END OF EACH WORK DAY AND AS REQUESTED BY THE VILLAGE OF MUKWONAGO.

EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.

AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED, EXCESS, WASTE, STOCKPILED AND SPOIL MATERIAL IN ACCORDANCE WITH SECTION 205.3.12 OF THE "STATE SPECIFICATIONS". THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

## EROSION & SEDIMENT CONTROL NOTES

THE EROSION AND SEDIMENT CONTROL PROVISIONS DETAILED ON THE DRAWINGS AND SPECIFIED HEREIN ARE THE MINIMUM REQUIREMENTS FOR EROSION CONTROL.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE ANY REVISIONS, ADJUSTMENTS OR PROPOSED ALTERATIONS TO THE CONSTRUCTION SEQUENCING AND/OR EROSION CONTROL PLANS. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND REGULATORY OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BEST MANAGEMENT PRACTICES (BMP'S). ALL SIGNIFICANT DEVIATIONS FROM THE PLANS MUST BE SUBMITTED AND APPROVED BY THE VILLAGE OF MUKWONAGO.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, MAINTENANCE, REPAIR AND REMOVAL OF ALL EROSION CONTROL DEVICES REQUIRED FOR THE PROJECT WHICH SHALL BE DONE IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND THE VILLAGE OF MUKWONAGO ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS. SEE VILLAGE OF MUKWONAGO AND WDNR EROSION CONTROL PERMITS FOR ADDITIONAL DETAILS OR REQUIREMENTS.

ALL EROSION AND SEDIMENT CONTROL MEASURES AND DEVICES SHALL BE INSPECTED BY THE CONTRACTOR AS REQUIRED IN THE WISCONSIN ADMINISTRATIVE CODE (SPS 360.21) AND MAINTAINED PER SPS 360.22.

INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY. THE CONTRACTOR SHALL CHECK THE EROSION AND SEDIMENT CONTROL PRACTICES FOR MAINTENANCE NEEDS AT ALL THE FOLLOWING INTERVALS UNTIL THE SITE IS STABILIZED:

A. AT LEAST WEEKLY.

B. WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. A RAINFALL EVENT SHALL BE CONSIDERED TO BE THE TOTAL AMOUNT OF RAINFALL RECORDED IN ANY CONTINUOUS 24-HOUR PERIOD. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. IMMEDIATELY REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.

EROSION AND SEDIMENT CONTROL INSPECTIONS AND ENFORCEMENT ACTIONS MAY BE CONDUCTED BY WDNR, THE VILLAGE OF MUKWONAGO OR THEIR AUTHORIZED AGENTS DURING AND AFTER THE CONSTRUCTION OF THIS PROJECT. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE OR LOCAL INSPECTORS AND/OR THE ENGINEER OF RECORD, SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.

ALL SEDIMENT AND EROSION CONTROL DEVICES, INCLUDING PERIMETER EROSION CONTROL MEASURES SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION SHALL BE INSTALLED PRIOR TO COMMENCING EARTH DISTURBING ACTIVITIES. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES UNTIL THE SITE HAS ESTABLISHED A VEGETATIVE COVER AND IS STABILIZED.

DIGGERS HOTLINE
Call 811 or (800) 242-8511
www.DiggersHotline.com

## UTILITY NOTE

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Nielsen Madsen + Barber
CIVIL ENGINEERS AND LAND SURVEYORS
1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net

# TSUNAMI EXPRESS CAR WASH
EROSION CONTROL PLAN
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|

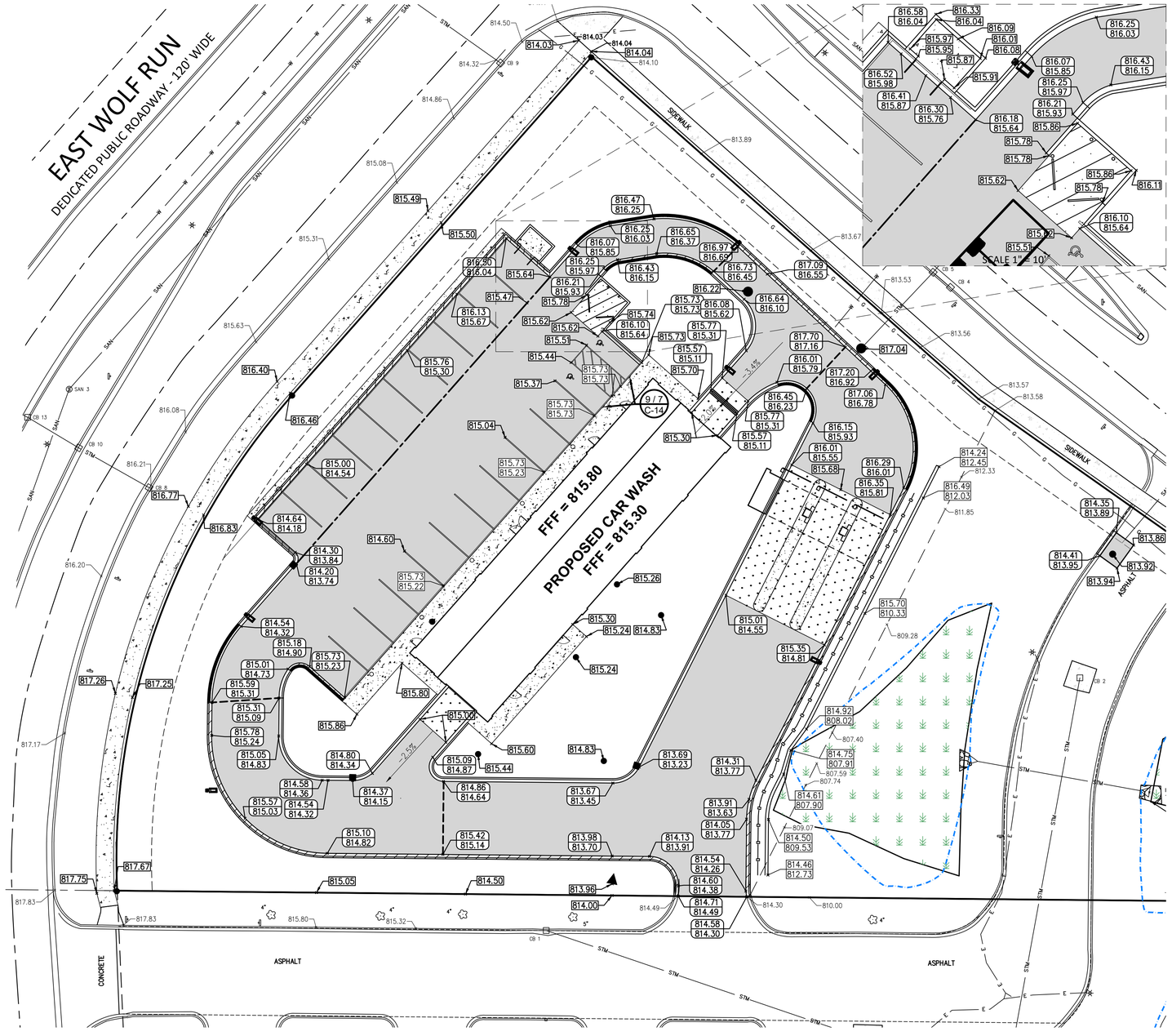
PROJ. MGR: JJC
DRAFTED: JWR
DATE: 4-10-2025
CHECKED: AJJ
DATE: 4-11-2025

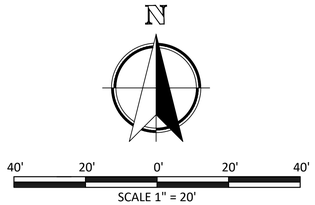
2024.0060.01

SHEET
C-6

ISSUE FOR REVIEW: 4-12-2025

Friday, April 11, 2025 8:06:01 AM




## REFERENCES

STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2025 EDITION, HEREIN REFERRED TO AS "STATE SPECIFICATIONS." THE CURRENT VERSION OF THE "STATE SPECIFICATIONS" IS AVAILABLE ON THE WisDOT WEBSITE AT http://roadwaystandards.dot.wi.gov/standards/stndspec/index.htm

"MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), 11TH EDITION (DECEMBER 2023).

EROSION CONTROL, EARTHWORK, SITE GRADING AND PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STATE SPECIFICATIONS".

## PAVEMENT SPECIFICATIONS

DENSE AGGREGATE BASE COURSE SHALL MEET THE REQUIREMENTS OF SECTION 305 OF THE "STATE SPECIFICATIONS". THE COMPLETED BASE SHALL BE IN ACCORDANCE WITH THE "TYPICAL SECTIONS & CONSTRUCTION DETAILS" SHEET(S) OF THE PLAN SET AND SHALL BE CONSTRUCTED IN FOUR-INCH (4") LIFTS AND COMPACTED ACCORDING TO SUBSECTION 305.3.2.2 OF THE "STATE SPECIFICATIONS".

ASPHALTIC CONCRETE PAVEMENT SHALL BE WISDOT LT 58-28 S MEETING THE REQUIREMENTS OF SECTION 460 OF THE "STATE SPECIFICATIONS". PAVEMENT SHALL BE INSTALLED IN TWO (2) LIFTS IN ACCORDANCE WITH THE "TYPICAL SECTIONS & CONSTRUCTION DETAILS" SHEET(S) OF THE PLAN SET. A TACK COAT SHALL BE INSTALLED BETWEEN THE LOWER AND UPPER COURSES IN ACCORDANCE WITH SECTION 455.3.2 OF THE "STATE SPECIFICATIONS".

CONCRETE FOR PAVEMENT(S), SIDEWALKS, CURB & GUTTER AND DRIVEWAY APRONS SHALL BE GRADE A-FA, AIR-ENTRAINED, AS SPECIFIED IN SUBSECTION 501.3.1 OF THE "STATE SPECIFICATIONS". ALL EXTERIOR CONCRETE SHALL BE "READY-MIXED" AND RECEIVE A BROOM FINISH. ALL CONCRETE WORK SHALL BE CURED IN ACCORDANCE WITH THE REQUIREMENTS OF SUBSECTION 415.2.4 OF THE "STATE SPECIFICATIONS".

LIGHT-DUTY CONCRETE SHALL BE FOUR INCHES (4") IN THICKNESS ON FOUR INCHES (4") OF DENSE AGGREGATE BASE COURSE AND BE CONSTRUCTED IN ACCORDANCE WITH THE "TYPICAL SECTIONS & CONSTRUCTION DETAILS" SHEET(S) OF THE PLAN SET.

MEDIUM-DUTY CONCRETE SHALL BE SIX INCHES (6") IN THICKNESS ON EIGHT INCHES (8") OF DENSE AGGREGATE BASE COURSE AND BE CONSTRUCTED IN ACCORDANCE WITH THE "TYPICAL SECTIONS & CONSTRUCTION DETAILS" SHEET(S) OF THE PLAN SET.

HEAVY-DUTY CONCRETE SHALL BE EIGHT INCHES (8") IN THICKNESS ON SIX INCHES (6") OF DENSE AGGREGATE BASE COURSE AND BE CONSTRUCTED IN ACCORDANCE WITH THE "TYPICAL SECTIONS & CONSTRUCTION DETAILS" SHEET(S) OF THE PLAN SET.

ALL CONCRETE CURB AND GUTTER SHALL BE 18" VERTICAL FACE OR 18" MOUNTABLE CONFORMING TO THE "TYPICAL SECTIONS & CONSTRUCTION DETAILS" SHEET(S) OF THE PLAN SET AND SECTION 601 OF THE "STATE SPECIFICATIONS". CURB & GUTTER SHALL BE "REVERSE PAN CURB" OR "STANDARD CURB" AS INDICATED BY THE LEGEND BELOW AND INSTALLED IN A MANNER TO SHED ALL STORM WATER RUNOFF TOWARDS THE DRAINAGE STRUCTURES.

CONTRACTION JOINTS SHALL BE AT TEN-FOOT (10') INTERVALS FOR CURB AND GUTTER AND FIVE-FOOT (5') INTERVALS FOR FIVE-FOOT (5') WIDE SIDEWALK. FINAL JOINTING PLAN FOR CONCRETE PAVEMENT TO BE PREPARED BY THE CONTRACTOR.

EXPANSION JOINTS SHALL BE PLACED AS OUTLINED IN SUBSECTION 601.3.6 OF THE "STATE SPECIFICATIONS". FILLER MATERIAL FOR EXPANSION JOINTS SHALL BE 1/2" FIBER MATERIAL.

CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLES, VALVE BOXES, ETC.) TO MATCH THE FINISHED GRADES OF THE AREA AFFECTED BY THE CONSTRUCTION.

PARKING LOT STRIPING, STOP BARS AND HANDICAPPED ACCESSIBLE SYMBOLS SHALL BE INSTALLED WITH WISCONSIN DOT APPROVED TRAFFIC PAINT IN ACCORDANCE WITH SECTION 646 OF THE "STATE SPECIFICATIONS". ALL PARKING STALL STRIPING SHALL BE FOUR INCHES (4") IN WIDTH AND SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE OWNER. SEE THE TYPICAL SECTIONS AND CONSTRUCTION DETAILS SHEET(S) OF THE PLAN SET FOR ADDITIONAL INFORMATION REGARDING PAVEMENT MARKINGS.

## PAVEMENT GRADING LEGEND

- 804.85 — EXISTING SPOT GRADES
- 804.85 — FINISHED PAVEMENT GRADES
- 804.85 / 804.35 — FINISHED TOP OF CURB GRADES / FINISHED CURB FLANGE GRADES
- 4 / C-13 — 804.85 / 804.35 — TOP OF WALL GRADES / BOTTOM OF WALL GRADES
- PAVEMENT GRADING RIDGE LINE
- PAVEMENT GRADING SWALE
- 9 / C-11 — MEDIUM-DUTY ASPHALT PAVEMENT
- 10 / C-11 — LIGHT-DUTY CONCRETE PAVEMENT
- 11 / C-11 — MEDIUM-DUTY CONCRETE PAVEMENT
- 12 / C-11 — HEAVY-DUTY CONCRETE PAVEMENT
- 5 / C-11 — VERTICAL FACE, CURB & GUTTER
- 6 / C-11 — REVERSE PAN, CURB & GUTTER
- 7 / 8 / C-11 — MOUNTABLE, CURB & GUTTER
- −2.0% — PAVEMENT SLOPE GRADE

## PAVEMENT MARKING LEGEND

6 / C-14 — ISA-W/B - INTERNATIONAL SYMBOL FOR ACCESSIBILITY - WHITE ON BLUE BACKGROUND

SWSL/4"/45°/4' - SINGLE WHITE SOLID LINE / 4" WIDE EACH, 45°, 4' O.C.

SWSL/4" - SINGLE WHITE SOLID LINE / 4" WIDE EACH

## SIGN/POST LEGEND

9 / 7 / C-14 = SIGN (DETAIL 9) MOUNTED ON POST (DETAIL 7) / AS SHOWN ON SHEET C-14

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# TSUNAMI EXPRESS CAR WASH
PAVEMENT GRADING PLAN
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
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PROJ. MGR: JJC
DRAFTED: JWR
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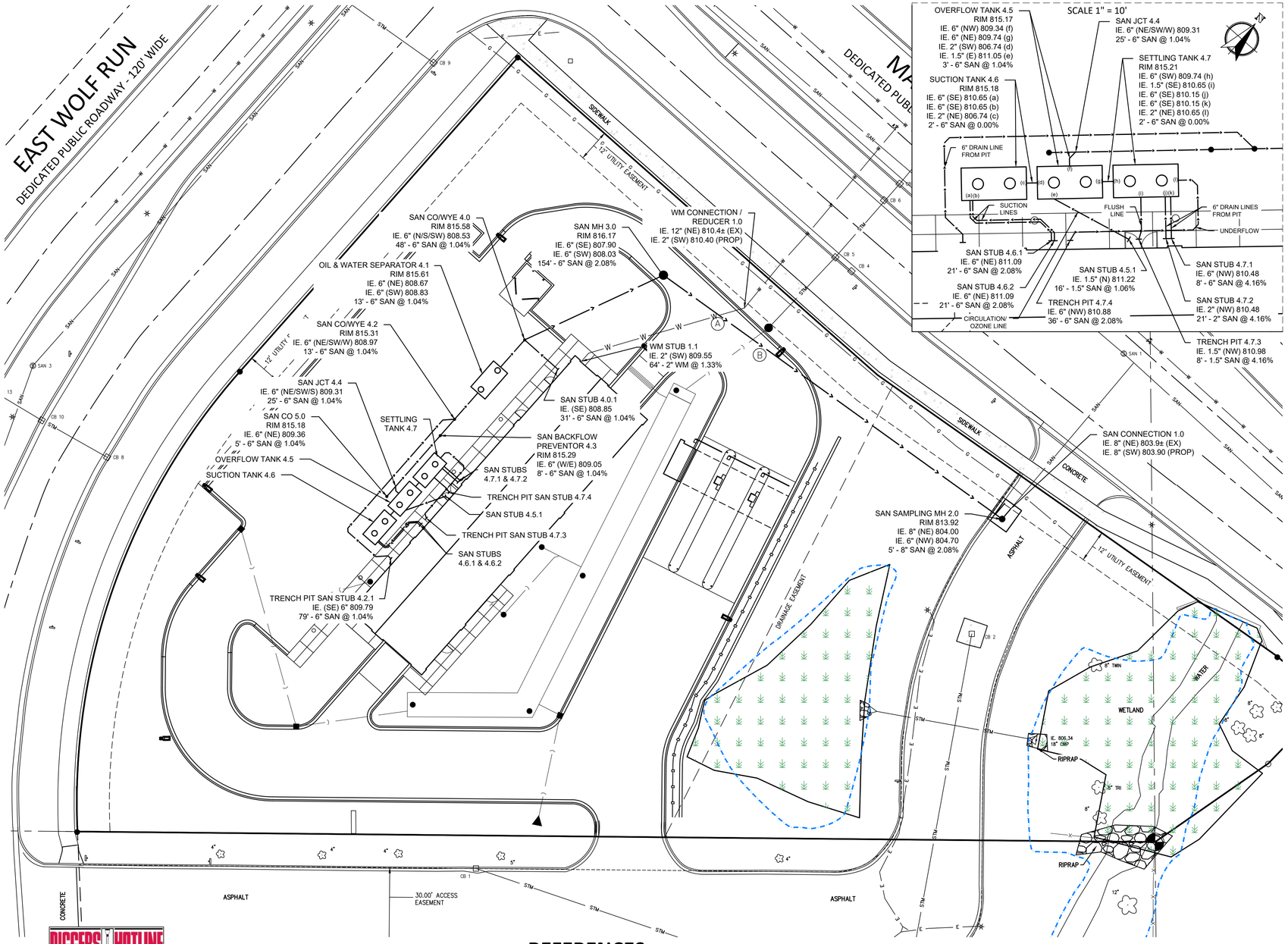





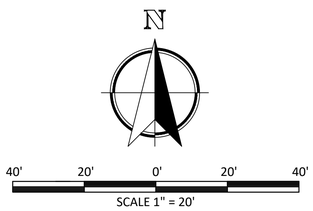


AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED, EXCESS, WASTE, STOCKPILED AND SPOIL MATERIAL IN ACCORDANCE WITH SECTION 205.3.12 OF THE "STATE SPECIFICATIONS". THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

## SANITARY SEWER & WATERMAIN SPECIFICATIONS

MATERIALS FOR WATERMAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (SPS) AND VILLAGE OF MUKWONAGO SPECIFICATIONS.

SANITARY SEWER AND WATER MAIN CONSTRUCTION SHALL BE CONSTRUCTED PER THE VILLAGE OF MUKWANAGO'S DEVELOPMENT HANDBOOK AND STANDARD CONSTRUCTION SPECIFICATIONS.

A 10-GAUGE TRACER WIRE SHALL BE INSTALLED THE ENTIRE LENGTH OF ALL PRIVATE SANITARY SEWERS AND LATERALS PER SPS 382.30(11)(h). THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE WITHIN THE PROPOSED STRUCTURES. FOR THE SANITARY SEWER LATERALS, THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE AT THE BUILDING WALL AND ALL OTHER SYSTEM LIMITS (FOR EACH SYSTEM INSTALLED) AND ENCLOSED IN A RISER BOX WITH "SEWER" ON THE COVER.

A 10-GAUGE TRACER WIRE SHALL BE INSTALLED THE ENTIRE LENGTH OF ALL PRIVATE WATER MAINS, HYDRANT LEADS, FIRE DEPARTMENT CONNECTION LEADS AND LATERALS PER SPS 382.40(8)(k). THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE AT THE BUILDING WALL AND ALL OTHER SYSTEM LIMITS (FOR EACH SYSTEM INSTALLED) AND ENCLOSED IN A RISER BOX WITH "WATER" OR "FDC" ON THE COVER. THE TRACER WIRE SHALL BE CONNECTED TO THE TRACER WIRE ON THE WATER MAIN.

1. WIRE SPLICES SHALL BE IN ACCORDANCE WITH STANDARD ELECTRICAL PRACTICES. ACCEPTABLE WIRE SPLICES ARE BRASS SPLIT BOLTS, DRYCONN WATERPROOF CONNECTORS, SNAP-LOC MODEL LV 9500, OR APPROVED EQUAL. WIRE NUTS ARE NOT ACCEPTABLE
2. BRANCH CONNECTIONS UTILIZING SPLIT BOLTS - SPLICE BRANCH TRACER WIRE TO MAIN TRACER WIRE USING THE FOLLOWING PROCEDURE: BARE TRACER WIRE ON MAIN LINE (DO NOT CUT); CONNECT BRANCH WIRE TO MAIN LINE WITH BRASS SPLIT BOLT; AND SEAL CONNECTION WITH RUBBER ELECTRICAL TAPE AND OVER WRAP WITH TWO LAYER OF POLYETHYLENE ADHESIVE TAPE 1-1/2" WIDE AND 8MM THICK.
3. BRANCH CONNECTIONS UTILIZING OTHER APPROVED CONNECTORS - FOLLOW MANUFACTURER'S RECOMMENDATIONS.

SANITARY SEWER LATERAL PIPE MATERIAL SHALL BE FOUR-INCH (4") PVC CLASS SDR-35 WITH INTEGRAL BELL TYPE ELASTOMERIC JOINTS CONFORMING TO THE REQUIREMENTS OF ASTM D3034, ASTM D3212 AND F-789/P546 WITH RUBBER GASKETS. SANITARY LATERALS SHALL BE PROVIDED WITH A CLEANOUT AT THE BUILDING PER SPS 382.35. LATERAL CLEAN-OUT RISERS SHALL BE SIX-INCH (6") DIAMETER WITH EIGHT-INCH (8") DIAMETER FROST SLEEVE CONSTRUCTED OF THE SAME MATERIAL. THE CLEANOUT RISERS SHALL TERMINATE FOUR INCHES (4") BELOW FINISHED GRADE WITH A SCREW ON CAP. THE FROST SLEEVE SHALL BE BROUGHT UP TO JUST BELOW FINISHED GRADE AND COVERED WITH A NEENAH R-3487 FRAME WITH A SOLID LID.

SANITARY SEWER BACKFLOW PREVENTOR SHALL BE CONSTRUCTED WITH A CLEAN CHECK EXTENDABLE BACKWATER VALVE MODEL MADE BY RECTORSEAL OR AN APPROVED EQUAL.

WATER SERVICE SHALL BE SIX INCH (6") MINIMUM COPPER TYPE "K". WATER SERVICE CONNECTION SHALL BE CONSTRUCTED WITH MUELLER MODEL NUMBER H-15000 CORPORATIONS, MUELLER "ORI SEAL" MODEL NUMBER H-15201 CURB VALVES, AND MUELLER 1-1/4" ARCH PATTERN CURB BOX (MODEL NUMBER H-10385).

SANITARY SEWER LATERAL PIPE MATERIAL SHALL BE 6" PVC CLASS SDR-26, CONFORMING TO THE REQUIREMENTS OF ASTM D3034 AND F-789/P546 WITH RUBBER GASKETS. CLEAN-OUT RISERS SHALL BE 6" DIAMETER WITH 8" DIAMETER FROST SLEEVE CONSTRUCTED OF THE SAME MATERIAL.

ALL SEWER AND WATER LINES INSTALLED IN PROPOSED PRIVATE PAVED AREAS SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH TABLE 37, CHAPTER 8.43.4 OF THE "STANDARD SPECIFICATIONS". BACKFILL MATERIAL SHALL EXTEND A MINIMUM OF FIVE FEET (5') OUTSIDE OF THE PAVEMENT LIMITS. TRENCHES RUNNING PARALLEL TO AND LESS THAN FIVE FEET (5') FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE COMPACTED GRANULAR BACKFILL.

SLURRY BACKFILL SHALL BE USED WHERE INDICATED ON THE PLANS. MATERIALS SHALL BE PLACED IN A CLEAN CEMENT MIXER TRUCK AND THOROUGHLY MIXED, IN THE FOLLOWING QUANTITIES:

| | |
|---|---|
| 1,350 LBS | SAND |
| 775 LBS | #1 STONE |
| 1,150 LBS | #2 STONE |
| 25 GAL | (+0 TO 0.5 GALS) WATER/CU. YD. |

THE SLURRY BACKFILL MATERIAL SHALL BE PLACED AND MECHANICALLY COMPACTED IN LAYERS NOT TO EXCEED 8 INCHES IN DEPTH. NO ADDITIONAL WATER SHALL BE ALLOWED. THE ABOVE WEIGHTS ARE DAMP WEIGHTS. JUST PRIOR TO PLACING THE SLURRY, THE MIXER SHALL BE RUN AT MIXING SPEED FOR ONE FULL MINUTE TO ENSURE AN EVEN MIXTURE.

ALL SEWER AND WATER LINES INSTALLED IN THE PUBLIC RIGHT-OF-WAY SHALL BE BACKFILLED WITH SLURRY MATERIAL IN ACCORDANCE WITH CHAPTER 8.43.8 OF THE "STANDARD SPECIFICATIONS". BACKFILL MATERIAL SHALL EXTEND A MINIMUM OF FIVE FEET (5') OUTSIDE OF THE PAVEMENT/SIDEWALK LIMITS.

PROVIDE FIVE FEET (5') OF COVER OVER ALL SANITARY SEWERS AND FIVE AND ONE HALF FEET (5-1/2') OF COVER OVER ALL WATER MAINS. MINIMUM HORIZONTAL SEPARATION OF UTILITY MAINS IS EIGHT FEET (8'). PROVIDE VERTICAL SEPARATION OF UTILITIES PER CODE.

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## UTILITY CONFLICT RESOLUTION TABLE

| LOCATION | UTILITY | BOTTOM OF PIPE | TOP OF PIPE | CLEARANCE |
|---|---|---|---|---|
| Ⓐ | 2" WTR | 810.25 | 810.43 | 2.36' |
| | 6" SAN | 807.35 | 807.89 | |
| Ⓑ | 6" SAN | 807.05 | 807.59 | 1.14' |
| | 15" STM | 808.73 | 810.03 | |

## UTILITY LEGEND

- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY LATERAL
- EXISTING SANITARY SEWER
- PROPOSED WATER SERVICE
- EXISTING WATERMAIN

## REFERENCES

STORM SEWER CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN", 6TH EDITION, DECEMBER 22, 2003 WITH ADDENDA NO. 1 AND NO. 2, HEREIN REFERRED TO AS THE "STANDARD SPECIFICATIONS".

## UTILITY CONSTRUCTION GENERAL NOTES

ALL APPLICATIONS AND CONNECTION FEES FOR WATER SERVICES MUST BE SUBMITTED AND PAID PRIOR TO CONNECTION TO THE PUBLIC SYSTEMS.

THE CONTRACTOR SHALL PROVIDE 7 DAYS NOTICE TO THE VILLAGE OF MUKWONAGO WATER UTILITY BEFORE COMMENCING CONSTRUCTION ON ANY WATERMAIN IMPROVEMENTS.

THE CONTRACTOR SHALL CONTACT VILLAGE OF MUKWONAGO WATER UTILITY 72 HOURS PRIOR TO PROPOSED WATERMAIN SHUTDOWNS OR ANY WORK THAT MAY INTERFERE WITH EXISTING WATER SERVICE. ALL EXISTING VALVES, HYDRANTS, AND OTHER WATERMAIN INFRASTRUCTURE SHALL ONLY BE OPERATED BY VILLAGE OF MUKWONAGO WATER UTILITY.

CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS AND SIZES OF EXISTING SANITARY AND STORM SEWERS, WATER MAINS, GAS & ELECTRIC LINES AND OTHER ADJACENT UTILITIES PRIOR TO COMMENCING CONSTRUCTION. AS-BUILT (FIELD) DATA SHALL BE USED TO CHECK ALL PROPOSED UTILITY CROSSINGS FOR CONFLICTS.

CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE A MINIMUM OF 72 HOURS BEFORE THE START OF CONSTRUCTION TO HAVE THE ADJACENT UNDERGROUND PUBLIC UTILITIES LOCATED. THE LOCATION OF EXISTING PRIVATE UTILITIES MAY NOT BE SHOWN ON THE PLANS AND SHOULD BE LOCATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

ANY WATER PUMPED FROM PITS, TRENCHES, WELLS OR PONDS SHALL BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGE OFF-SITE. PUMPING OPERATIONS SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061. PUMPED WATER CAN BE TREATED IN RETENTION BASINS, FILTER BAGS, STONE FILTERS OR BY OTHER WDNR APPROVED METHODS. QUALITY OF PUMPED WATER SHALL BE CONTINUOUSLY MONITORED DURING PUMPING OPERATIONS.

THE EXACT LOCATION OF THE SANITARY SEWER LATERAL, DOMESTIC WATER LINE, FIRE PROTECTION LEAD, NATURAL GAS SERVICE, ELECTRIC, PHONE AND CABLE LINES (AS THEY ENTER THE BUILDING) SHALL BE PER THE ARCHITECTURAL OR MECHANICAL DRAWINGS.

EXISTING SEWERS LATERALS MAY BE USED WITH NEW STRUCTURES OR PLUMBING SYSTEMS ONLY WHEN SUCH SEWER LATERALS ARE FOUND ON EXAMINATION AND TESTS TO CONFORM IN ALL RESPECTS TO THE REGULATIONS RELATING TO SEWER LATERALS. IF THE EXISTING SEWER LATERALS ARE FOUND TO BE DEFECTIVE, THE DEPARTMENT SHALL NOTIFY THE OWNER OF THE PREMISES IN WRITING OF THE NECESSARY CHANGES TO MAKE THE SEWER LATERALS CONFORM WITH REGULATIONS.


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# TSUNAMI EXPRESS CAR WASH
UTILITY PLAN
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

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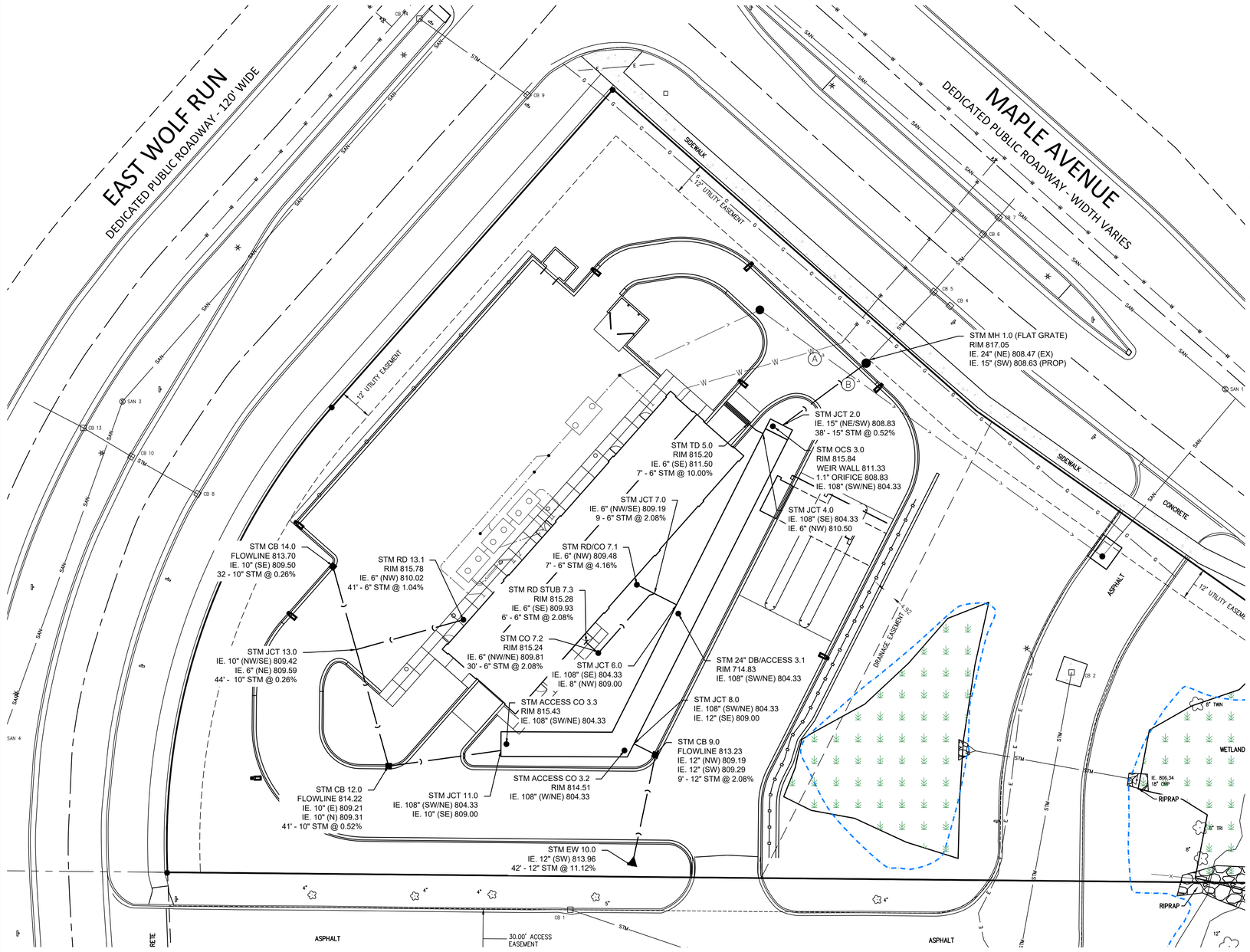


N

40' 30' 0' 20' 40'

SCALE 1" = 20'

## REFERENCES

MATERIALS FOR STORM SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (SPS) AND THE VILLAGE OF MUKWONAGO STANDARD CONSTRUCTION SPECIFICATIONS.

STORM SEWER CONSTRUCTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN", 6TH EDITION, DECEMBER 22, 2003 WITH ADDENDA NO. 1 AND NO. 2, HEREIN REFERRED TO AS THE "STANDARD SPECIFICATIONS" AND THE VILLAGE OF MUKWONAGO STANDARD CONSTRUCTION SPECIFICATIONS.

## PUBLIC UTILITY NOTES

CABLE TV AND TELEPHONE SERVICE INSTALLATION TO BE COORDINATED WITH THE ELECTRICAL SERVICE.

ELECTRICAL SERVICE TO BE COORDINATED WITH WE ENERGIES. EXACT LOCATION OF THE SERVICE ENTRANCE / METER TO BE COORDINATED WITH WE ENERGIES, THE MECHANICAL DESIGNER AND THE ARCHITECT.

IF ANY VILLAGE OF MUKWONAGO OWNED UNDERGROUND ELECTRIC MAY NEED TO BE RELOCATED, THE OWNER/DEVELOPER TO PAY ALL COSTS FOR RELOCATION. CONSTRUCTION TO BE PERFORMED TO MEET THE VILLAGE OF MUKWONAGO STANDARD CONSTRUCTION SPECIFICATIONS. CONTACT THE VILLAGE OF MUKWONAGO ENGINEERING DIVISION TO SCHEDULE INSPECTION.

THE EXACT LOCATION OF THE SANITARY SEWER LATERAL, DOMESTIC WATER LINE, FIRE PROTECTION LEAD, NATURAL GAS SERVICE, ELECTRIC, AND PHONE LINES (AS THEY ENTER THE BUILDING) SHALL BE PER THE ARCHITECTURAL OR MECHANICAL DRAWINGS.

## UTILITY CONSTRUCTION GENERAL NOTES

CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS AND SIZES OF EXISTING SANITARY AND STORM SEWERS, WATER MAINS, GAS & ELECTRIC LINES OR OTHER UTILITIES PRIOR TO STARTING CONSTRUCTION. AS-BUILT (FIELD) DATA SHALL BE USED TO CHECK ALL PROPOSED UTILITY CROSSINGS FOR CONFLICTS.

CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE A MINIMUM OF 72 HOURS BEFORE THE START OF CONSTRUCTION TO IDENTIFY ADJACENT UNDERGROUND UTILITIES. THE LOCATION OF EXISTING PRIVATE UTILITIES MAY NOT BE SHOWN ON THE PLANS AND SHOULD BE LOCATED BY THE OWNER PRIOR TO CONSTRUCTION.

ANY WATER PUMPED FROM PITS, TRENCHES, WELLS OR PONDS SHALL BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGE OFF-SITE. PUMPING OPERATIONS SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061. PUMPED WATER CAN BE TREATED IN RETENTION BASINS, FILTER BAGS, STONE FILTERS OR BY OTHER WDNR APPROVED METHODS. QUALITY OF PUMPED WATER SHALL BE CONTINUOUSLY MONITORED DURING PUMPING OPERATIONS.

THE EXACT LOCATION OF ALL BUILDING LATERALS, ROOF DRAIN RISERS AND DOWNSPOUTS (IF APPLICABLE) SHALL BE PER THE ARCHITECTURAL OR MECHANICAL DRAWINGS.

## STORM SEWER SPECIFICATIONS

STORM SEWERS WERE SIZED IN ACCORDANCE WITH SPS TABLE 382.36-4 "MAXIMUM CAPACITY OF STORM WATER HORIZONTAL CONVEYANCE PIPING FOR CONCRETE, ASTM C76 AND ASTM C14". ANY MATERIAL APPROVED BY THE VILLAGE OF MUKWONAGO AND THE WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES MAY BE USED AT THE SLOPES AND SIZES DESIGNED.

STORM SEWER, ROOF DRAIN AND STORM BUILDING SEWER PIPE AND TUBING MATERIALS SHALL CONFORM TO SPS 384.30 OF THE WISCONSIN ADMINISTRATIVE CODE. REINFORCED CONCRETE PIPE (RCP) AND POLYVINYL CHLORIDE (PVC) MATERIALS SHALL BE SELECTED FROM TABLE 384.30-6. CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) PIPE MATERIAL (IF SELECTED) SHALL MEET THE REQUIREMENTS OF AASHTO M-252 FOR 4"-10" DIAMETER SIZES AND AASHTO M294 FOR 12"-48" DIAMETER SIZES.

BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE "STANDARD SPECIFICATIONS".

ALL STORM SEWERS INSTALLED IN EXISTING OR PROPOSED PAVED AREAS SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH TABLE 37, CHAPTER 8.43.4 OF THE "STANDARD SPECIFICATIONS". BACKFILL MATERIAL SHALL EXTEND A MINIMUM OF FIVE FEET (5') OUTSIDE OF THE PAVEMENT LIMITS. TRENCHES RUNNING PARALLEL TO AND LESS THAN FIVE FEET (5') FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE COMPACTED GRANULAR BACKFILL.

A 10-GAUGE TRACER WIRE SHALL BE INSTALLED THE ENTIRE LENGTH OF ALL PRIVATE STORM SEWERS, ROOF DRAINS AND STORM BUILDING SEWER LATERALS PER SPS 382.36(7)(d)10. THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE AT THE BUILDING WALL AND ALL OTHER SYSTEM LIMITS (FOR EACH SYSTEM INSTALLED) AND ENCLOSED IN A RISER BOX WITH "STORM" ON THE COVER.

ALL MANHOLES AND/OR CATCH BASINS INSTALLED IN PAVED SURFACES AND ACCEPTING RUNOFF SHALL BE FURNISHED WITH THE NEENAH FOUNDRY R-2080-D FRAME AND GRATE.

ALL MANHOLES AND/OR DRAIN BASINS INSTALLED IN LAWN AREAS AND ACCEPTING RUNOFF SHALL BE FURNISHED WITH THE NEENAH FOUNDRY R-2080-D FRAME AND GRATE.

ALL MANHOLES, CATCH BASINS AND DRAIN BASINS SHALL BE FURNISHED WITH A MINIMUM 12" SUMP.

ALL STORM SEWERS, MANHOLES, CATCH BASINS AND/OR DRAIN BASINS SHALL BE CONSTRUCTED WITH WATER AND GAS TIGHT JOINTS IN CONFORMANCE WITH SPS 384.40.

## UTILITY LEGEND

- PROPOSED STORM SEWER
- STM — EXISTING STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY LATERAL
- SAN — EXISTING SANITARY SEWER
- W — PROPOSED WATER SERVICE
- W — EXISTING WATERMAIN

DIGGERS HOTLINE
Call 811 or (800) 242-8511
www.DiggersHotline.com

## UTILITY NOTE

EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND / OR TO AVOID DAMAGE THERETO, CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.

UTILITY CONFLICT RESOLUTION TABLE

| LOCATION | UTILITY | BOTTOM OF PIPE | TOP OF PIPE | CLEARANCE |
|---|---|---|---|---|
| (A) | 2" WTR | 810.25 | 810.43 | 2.36' |
| | 6" SAN | 807.35 | 807.89 | |
| (B) | 6" SAN | 807.05 | 807.59 | 1.14' |
| | 15" STM | 808.73 | 810.03 | |

Nielsen Madsen + Barber
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# TSUNAMI EXPRESS CAR WASH
STORM SEWER PLAN
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|

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|---|---|
| PROJ. MGR: | JJC |
| DRAFTED: | JWR |
| DATE: | 4-10-2025 |
| CHECKED: | AJJ |
| DATE: | 4-11-2025 |

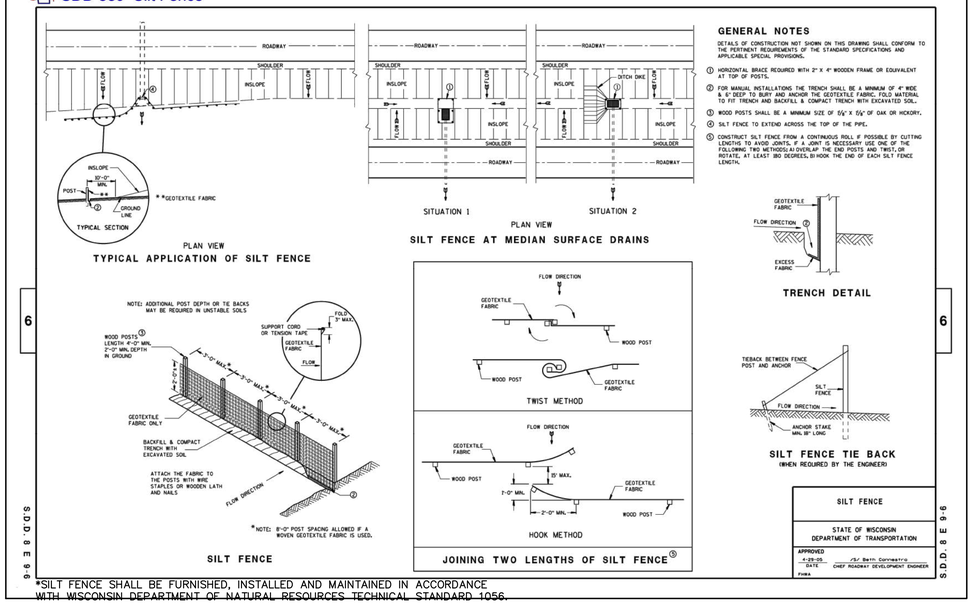
2024.0060.01

SHEET
C-9

ISSUE FOR REVIEW: 4-12-2025

Friday, April 11, 2025 8:06:16 AM

## SDD 8e9 Silt Fence




GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 5½" X 5½" OF OAK OR HICKORY.

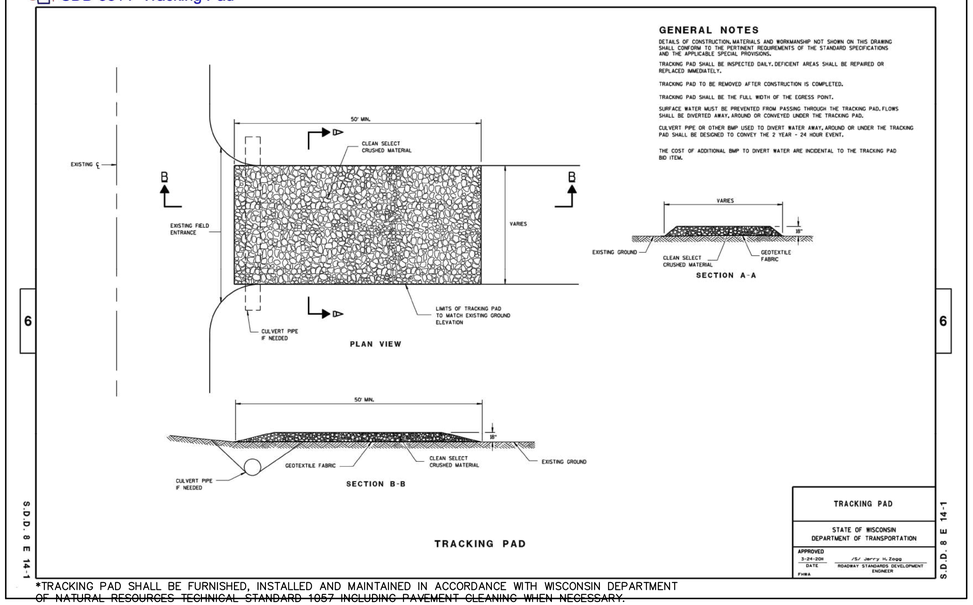
④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, BI-HOOK THE END OF EACH SILT FENCE LENGTH.

*SILT FENCE SHALL BE FURNISHED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD 1056.

**1** SILT FENCE DETAIL — N.T.S.

## SDD 8e14 Tracking Pad




GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

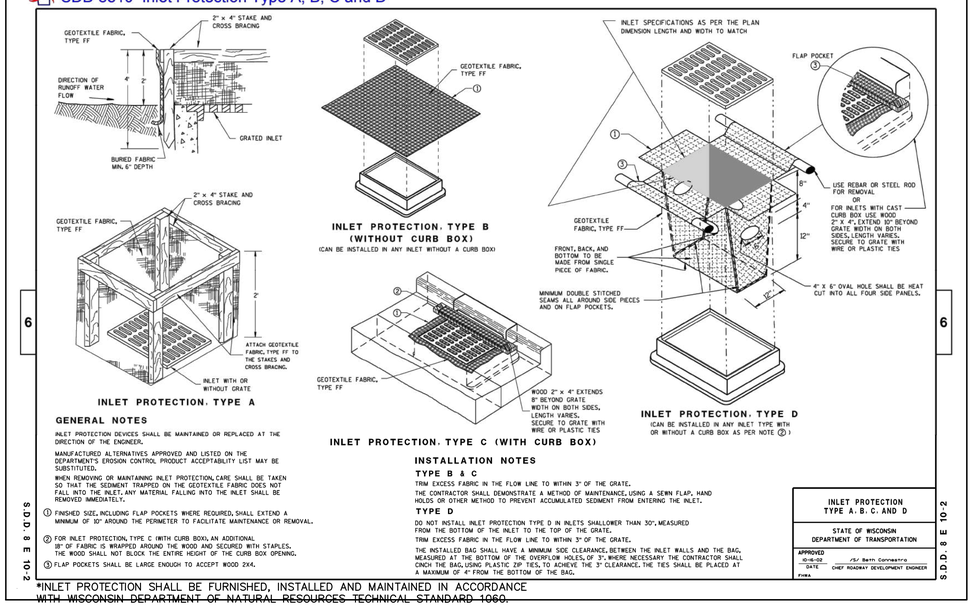
CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.

*TRACKING PAD SHALL BE FURNISHED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD 1057 INCLUDING PAVEMENT CLEANING WHEN NECESSARY.

**2** TRACKING PAD DETAIL — N.T.S.

## SDD 8e10 Inlet Protection Type A, B, C and D




GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 30" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 28" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

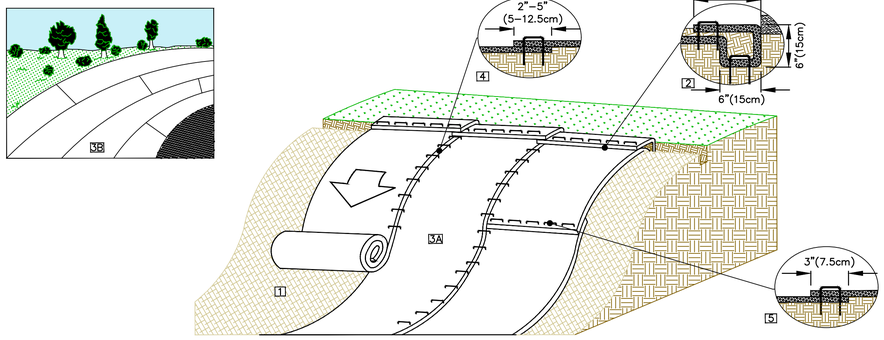
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

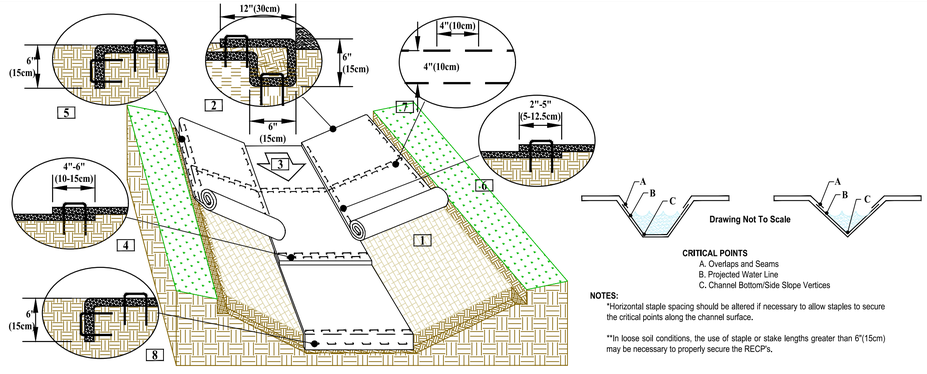
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

*INLET PROTECTION SHALL BE FURNISHED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD 1060.

**3** INLET PROTECTION DETAIL — N.T.S.




**4** SLOPE INSTALLATION OF EROSION MAT DETAIL — N.T.S.




**5** CHANNEL INSTALLATION OF EROSION MAT DETAIL — N.T.S.


Nielsen Madsen + Barber
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1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net


# TSUNAMI EXPRESS CAR WASH

TYPICAL SECTIONS & CONSTRUCTION DETAILS

FOR

TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC

VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
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| PROJ. MGR: | JJC |
| DRAFTED: | JWR |
| DATE: | 4-10-2025 |
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**ISSUE FOR REVIEW: 4-12-2025**

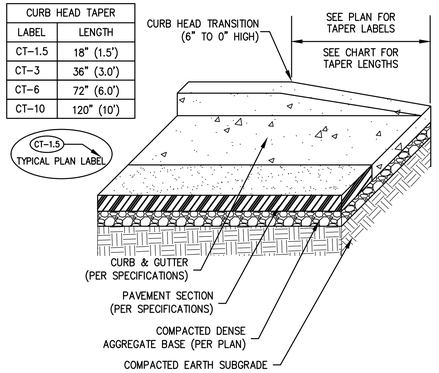
Friday, April 11, 2025 8:06:19 AM

INSTALLATION NOTES FOR CURB AND GUTTER DETAILS

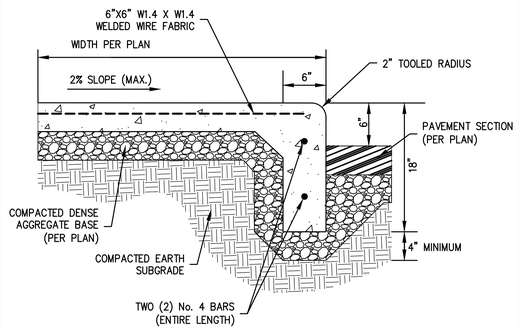
1. CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED DENSE AGGREGATE BASE COURSE EXTENDING A MINIMUM OF 12 INCHES BEHIND THE BACK OF CURB.
2. CURB PAN SHALL BE A MINIMUM OF SIX INCHES (6") THICK, EXPECT AT DRIVEWAY LOCATIONS WHERE IT SHALL BE A MINIMUM OF EIGHT INCHES (8") THICK.
3. INSTALL TWO (2) NO. 4, 18–INCH LONG EPOXY COATED TIE BARS ANCHORED WITH AN EPOXY, EVENLY SPACED, DRIVEN NINE INCHES (9") INTO TO EXISTING OR PREVIOUSLY INSTALLED CURB AND GUTTER.
4. WHEN PLACED ADJACENT TO NEW CONCRETE, INSTALL NO. 4 18–INCH LONG EPOXY COATED TIE BARS, 36" ON CENTER PLACED A MINIMUM OF THREE AND ONE HALF INCHES ($3\frac{1}{2}$") BELOW THE TOP OF THE CURB PAN.
5. LATERAL CONTRACTION JOINTS TO BE PLACED AT AN INTERVAL OF 10 FEET TO A MINIMUM DEPTH OF TWO INCHES (2").
6. EXPANSION JOINTS SHALL BE PLACED TRANSVERSELY AT POINTS OF CURVATURE, ANGLE POINTS, THREE FEET (3') FROM EACH SIDE OF EVERY INLET AND EVERY 300 FEET ALONG TANGENT SECTIONS OR AS DIRECTED BY THE ENGINEER. EXPANSION JOINT FILLER MATERIAL SHALL MEET WISDOT SPECIFICATIONS HAVING THE SAME DIMENSIONS AS THE CURB & GUTTER WITH A 3/4" THICKNESS.
7. APPLY CONCRETE CURING COMPOUND PER WISDOT SPECIFICATIONS.

**1 CONCRETE CURB AND GUTTER DETAIL NOTES** N.T.S.

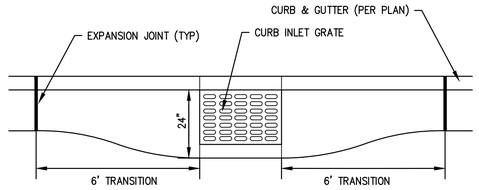
| CURB HEAD TAPER | |
|---|---|
| LABEL | LENGTH |
| CT–1.5 | 18" (1.5') |
| CT–3 | 36" (3.0') |
| CT–6 | 72" (6.0') |
| CT–10 | 120" (10') |



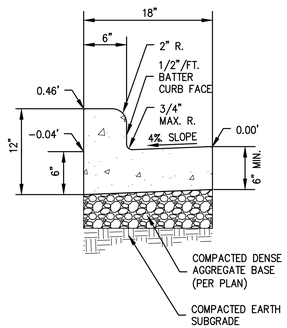

**2 CURB HEAD TAPER DETAIL** N.T.S.



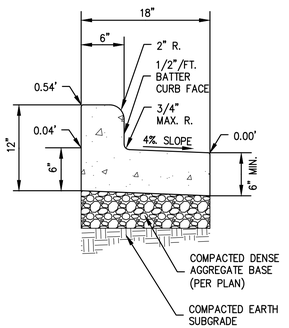

**3 INTEGRAL CONCRETE SIDEWALK / BARRIER CURB DETAIL** N.T.S.



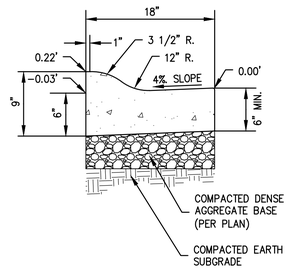

**4 CONCRETE CURB AND GUTTER / STORM SEWER INLET TRANSITION DETAIL** N.T.S.



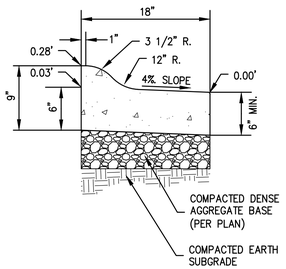

**5 18" VERTICAL FACE CONCRETE CURB AND GUTTER DETAIL** N.T.S.



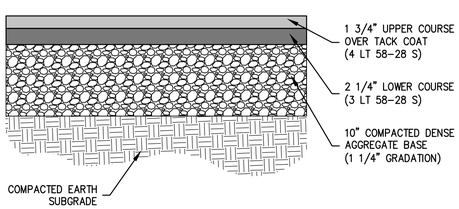

**6 18" VERTICAL FACE REVERSE PAN CONCRETE CURB AND GUTTER DETAIL** N.T.S.



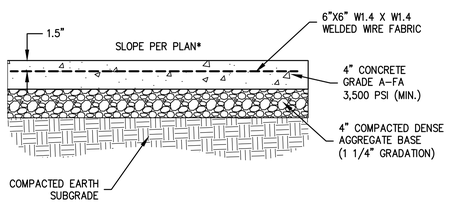

**7 3" MOUNTABLE 18" CONCRETE CURB AND GUTTER DETAIL** N.T.S.




**8 3" MOUNTABLE 18" REVERSE PAN CONCRETE CURB AND GUTTER DETAIL** N.T.S.

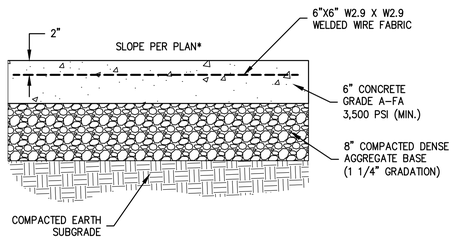



**9 MEDIUM-DUTY ASPHALT PAVEMENT (4") (TYPICAL SECTION)** N.T.S.



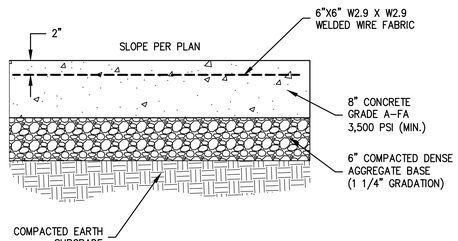

* SIDEWALKS: 1.5% CROSS–SLOPE (TYP.) 2.08% CROSS–SLOPE (MAX.)
PATIOS, PLAZAS, AND LANDINGS: 2.08% SLOPE IN ANY DIRECTION (MAX.)
ALL OTHER PAVEMENTS: SLOPE PER PLAN

**10 LIGHT-DUTY CONCRETE PAVEMENT (4") (TYPICAL SECTION)** N.T.S.




* SIDEWALKS: 1.5% CROSS–SLOPE (TYP.) 2.08% CROSS–SLOPE (MAX.)
PATIOS, PLAZAS, AND LANDINGS: 2.08% SLOPE IN ANY DIRECTION (MAX.)
ALL OTHER PAVEMENTS: SLOPE PER PLAN

**11 MEDIUM-DUTY CONCRETE PAVEMENT (6") (TYPICAL SECTION)** N.T.S.




**12 HEAVY-DUTY CONCRETE PAVEMENT (8") (TYPICAL SECTION)** N.T.S.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FOR
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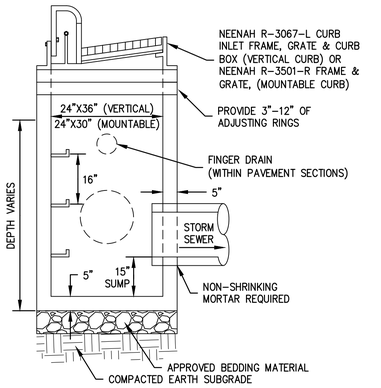
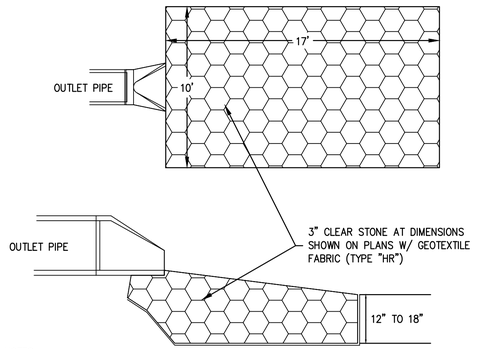
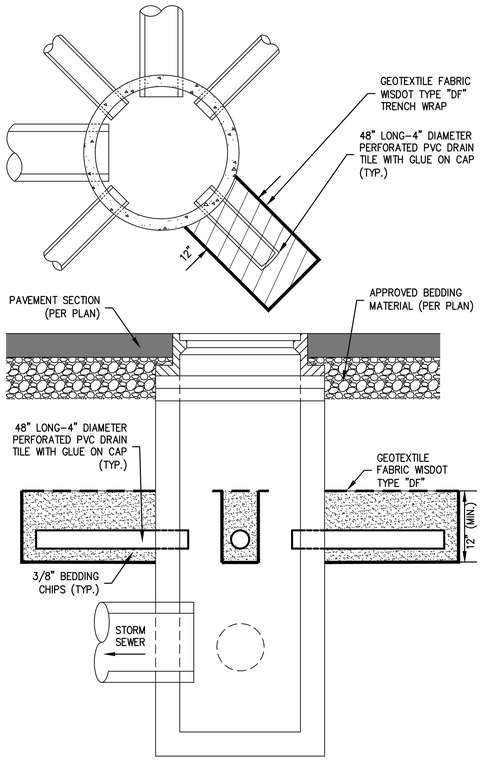



| 1 | STANDARD STORM SEWER INLET/CATCH BASIN DETAIL | N.T.S. |
|---|---|---|



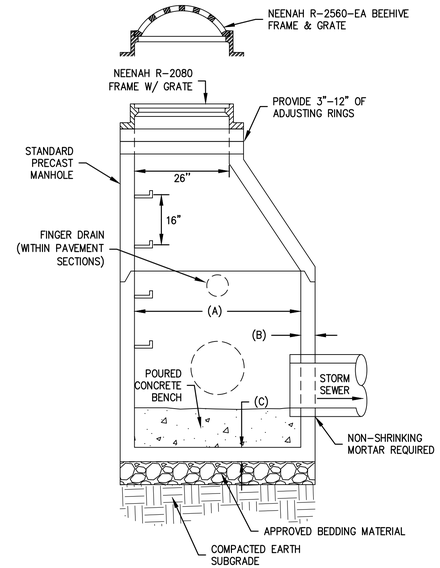

NOTES:
FINAL SIZE AND SHAPE OF LEVELING TRENCH TO MATCH DIMENSIONS SHOWN ON THE GRADING PLAN SHEET

| 2 | LEVELING TRENCH DETAIL | N.T.S. |
|---|---|---|




NOTE:
1. FINGER DRAINS SHALL BE INSTALLED IN ALL DRAINAGE STRUCTURES (WITHIN OR ADJACENT TO) PAVED SURFACES.
2. FINGER DRAIN OPENINGS IN STRUCTURE SHALL BE PRECAST.
3. VERTICAL LOCATION OF FINGER DRAIN MAY VARY DEPENDING ON PIPE CONFIGURATION.
4. FINGER DRAIN MUST BE ABOVE THE TOP OF ALL STORM SEWER INVERTS.
5. FINGER DRAINS SHALL HAVE ??? PERFORATIONS.

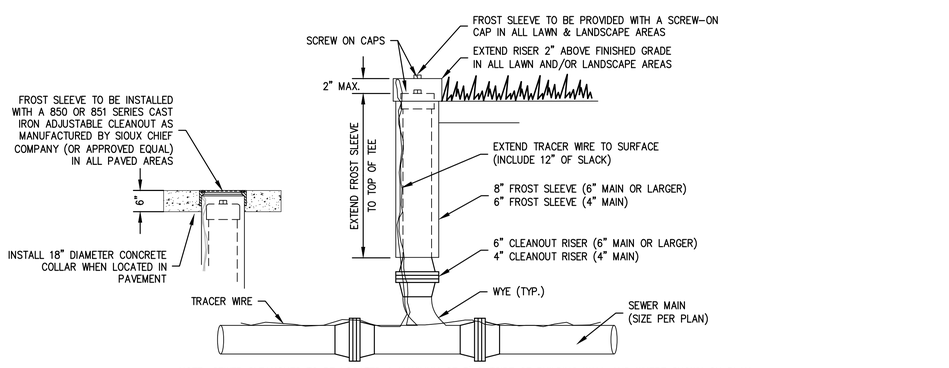
| 4 | STORM SEWER STRUCTURE FINGER DRAIN DETAIL | N.T.S. |
|---|---|---|




| STRUCTURE DIAMETER (A)* | MINIMUM WALL THICKNESS (B)** | MINIMUM BASE AND TOP THICKNESS (C)** |
|---|---|---|
| 4' | 5" | 6" |
| 5' | 6" | 8" |
| 6' | 7" | 8" |
| 7' | 8" | 8" |
| 8'≥ | 9" | 8" |

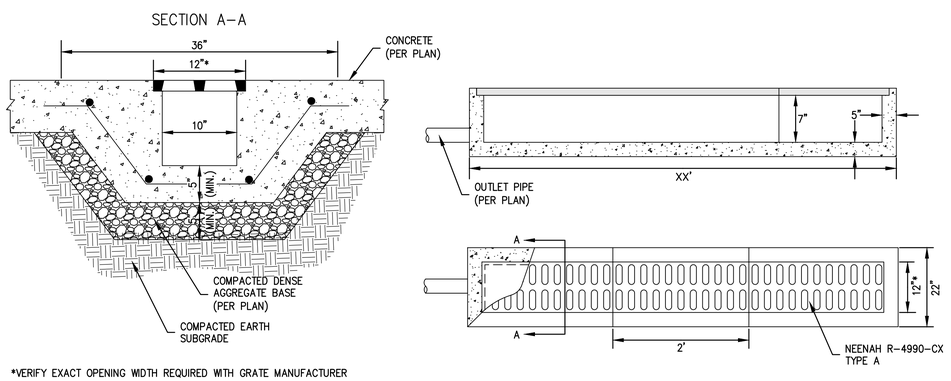
*STRUCTURE DIAMETER SHALL BE STANDARD 48" UNLESS OTHERWISE NOTED ON PLAN
**MINIMUM THICKNESS SHALL NOT BE LESS THAN THAT REQUIRED TO MEET AASHTO H-20 LOADINGS

| 5 | STANDARD STORM SEWER MANHOLE DETAIL | N.T.S. |
|---|---|---|




NOTE: SEWER CLEANOUTS TO BE LOCATED A MAXIMUM OF 5' OUTSIDE OF BUILDING WALL AND WHERE SHOWN ON PLAN

| 3 | SEWER CLEANOUT (CO) RISER DETAIL | N.T.S. |
|---|---|---|




*VERIFY EXACT OPENING WIDTH REQUIRED WITH GRATE MANUFACTURER

| 6 | CAST IN PLACE TRENCH DRAIN DETAIL | N.T.S. |
|---|---|---|

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CIVIL ENGINEERS AND LAND SURVEYORS
1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net

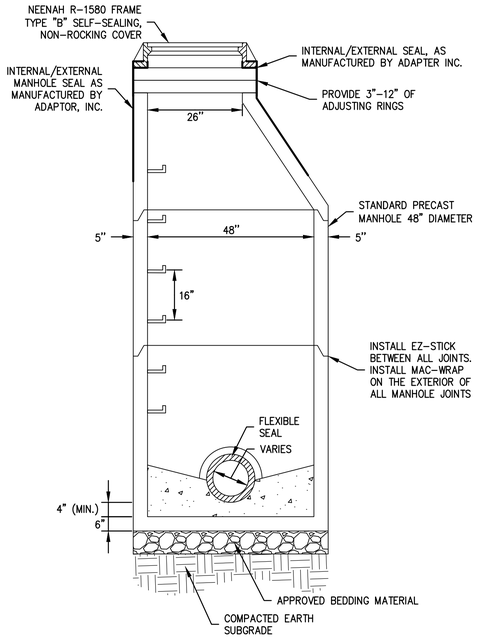
**TSUNAMI EXPRESS CAR WASH**
TYPICAL SECTIONS & CONSTRUCTION DETAILS
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|

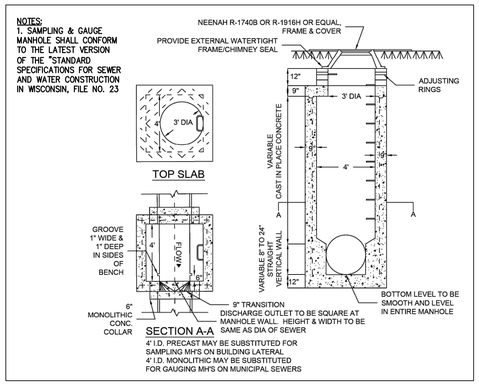
| | |
|---|---|
| PROJ. MGR: | JJC |
| DRAFTED: | JWR |
| DATE: | 4-10-2025 |
| CHECKED: | AJJ |
| DATE: | 4-11-2025 |
| 2024.0060.01 | |
| SHEET | C-12 |

**ISSUE FOR REVIEW: 4-12-2025**

Friday, April 11, 2025 8:06:29 AM



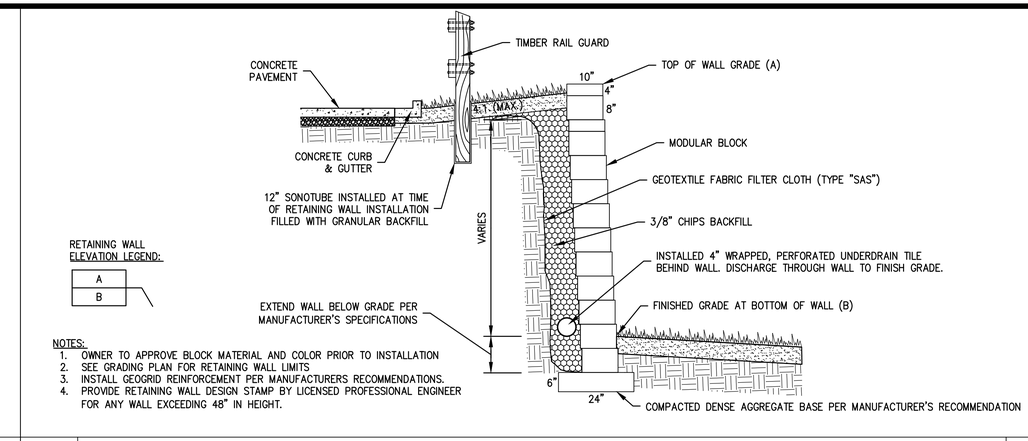

1 STANDARD SANITARY SEWER MANHOLE DETAIL (PRIVATE) N.T.S.




2 SANITARY SEWER SAMPLING & GAUGE MAHOLE DETAIL N.T.S.

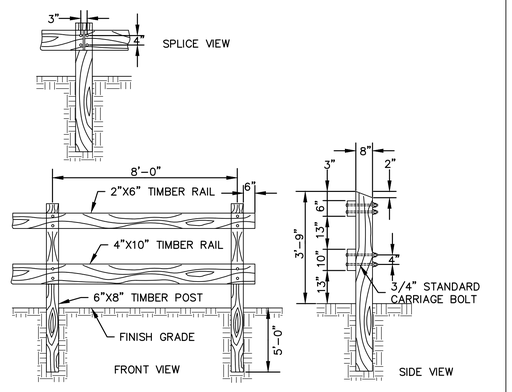



3 NYLOPLAST DRAIN BASIN W/ DOME GRATE DETAIL N.T.S.

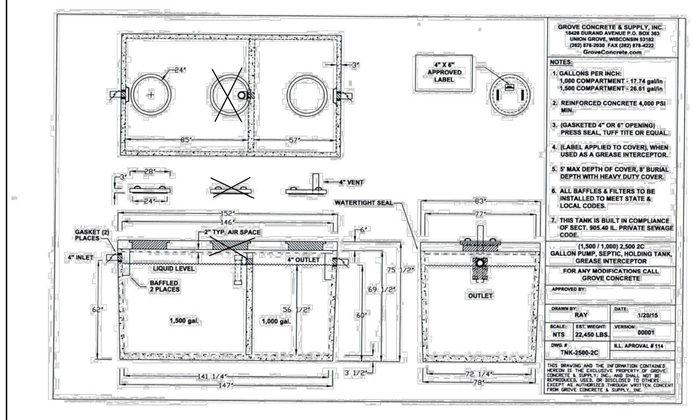



NOTES:
1. OWNER TO APPROVE BLOCK MATERIAL AND COLOR PRIOR TO INSTALLATION
2. SEE GRADING PLAN FOR RETAINING WALL LIMITS
3. INSTALL GEOGRID REINFORCEMENT PER MANUFACTURERS RECOMMENDATIONS.
4. PROVIDE RETAINING WALL DESIGN STAMP BY LICENSED PROFESSIONAL ENGINEER FOR ANY WALL EXCEEDING 48" IN HEIGHT.

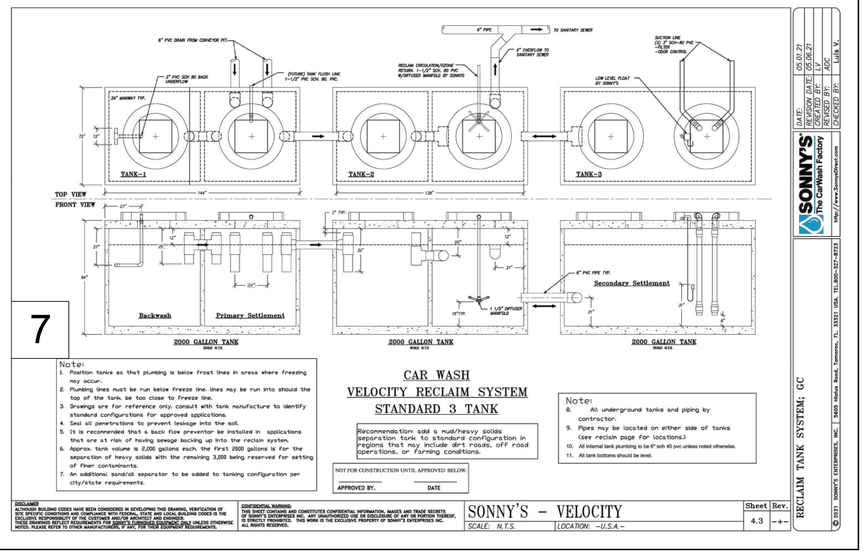
4 DECORATIVE BLOCK RETAINING WALL WITH GUARDRAIL DETAIL N.T.S.




5 TIMBER RAIL GUARD DETAIL N.T.S.




6 GREASE INTERCEPTOR VAULT DETAIL N.T.S.




7

Note:
1. Position tanks so that plumbing is below frost lines in areas where freezing may occur.
2. Plumbing lines must be run below freeze line. lines may be run into should the top of the tank. be too close to freeze line.
3. Drawings are for reference only. consult with tank manufacture to identify standard configurations for approved applications.
4. Seal all penetrations to prevent leakage into the soil.
5. It is recommended that a back flow preventor be installed in applications that are at risk of having sewage backing up into the reclaim system.
6. Approx. tank volume is 2,000 gallons each. the first 2000 gallons is for the separation of heavy solids with the remaining 3,000 being reserved for setting of finer contaminants.
7. An additional sand/oil separator to be added to tanking configuration per city/state requirements.

CAR WASH
VELOCITY RECLAIM SYSTEM
STANDARD 3 TANK

Recomendation add a mud/heavy solids separation tank to standard configuration in regions that may include dirt roads, OFF road operations, or farming conditions.

Note:
8. All underground tanks and piping by contractor.
9. Pipes may be located on either side of tanks (see reclaim page for locations.)
10. All internal tank plumbing to be 6" sch 40 pvc unless noted otherwise.
11. All tank bottoms should be level.

NOT FOR CONSTRUCTION UNTIL APPROVED BELOW.
APPROVED BY. DATE

DISCLAIMER
ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS DRAWING, VERIFICATION OF VARIOUS BUILDING CONDITIONS AND COMPLIANCE WITH FEDERAL, STATE AND LOCAL BUILDING CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT AND ENGINEER.
NOTES DRAWINGS REFLECT REQUIREMENTS FOR SONNY'S EQUIPMENT ONLY UNLESS OTHERWISE NOTED. PLEASE REFER TO OTHER MANUFACTURERS, IF ANY, FOR THEIR EQUIPMENT REQUIREMENTS.

CONFIDENTIAL WARNING:
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ALL RIGHTS RESERVED.

SONNY'S - VELOCITY
SCALE: N.T.S. LOCATION: -U.S.A.-
Sheet 4.3 Rev. -+-

DATE: 05.11.21
REVISION DATE: 05.06.21
CREATED BY: LV
CHECKED BY: Luis V.

SONNY'S The CarWash Factory
http://www.SonnysDirect.com

RECLAIM TANK SYSTEM; GC

© 2021 SONNY'S ENTERPRISES, INC. | 3905 Dallas Road, Tavares, FL 32551 USA | TEL:800-327-8723

| NO. | REVISION | BY | DATE |
|---|---|---|---|

PROJ. MGR: JJC
DRAFTED: JWR
DATE: 4-10-2025
CHECKED: AJL
DATE: 4-11-2025

2024.0060.01

SHEET C-13

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FOR
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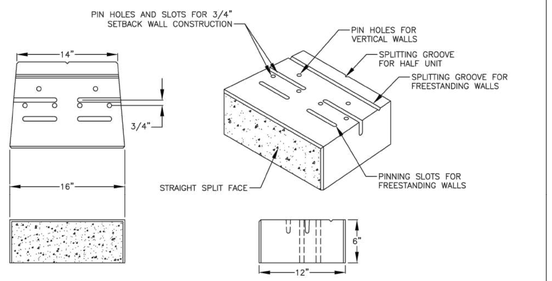
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

ISSUE FOR REVIEW: 4-12-2025

Friday, April 11, 2025 8:06:35 AM




VERSA-LOK UNIT
UNIT DIMENSIONS
SCALE: NONE

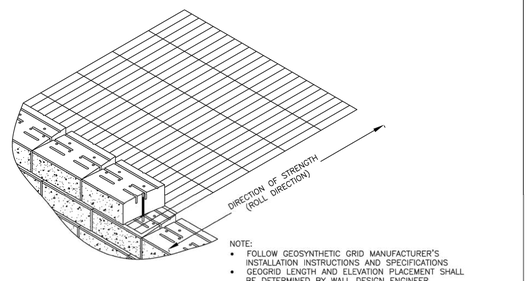
1

THESE PRELIMINARY DETAILS ARE INTENDED AS AN AID IN DESIGNING ATTRACTIVE, DURABLE RETAINING WALLS WITH VERSA-LOK UNITS. FINAL DETERMINATION OF THE SUITABILITY OF ANY INFORMATION OR MATERIAL FOR THE USE CONTEMPLATED, AND ITS MANNER OF USE, IS THE SOLE RESPONSIBILITY OF THE USER. A FINAL PROJECT SPECIFIC DESIGN SHOULD BE PREPARED BY A QUALIFIED, LICENSED, PROFESSIONAL ENGINEER.

VERSA-LOK® Retaining Wall Systems "Solid Solutions."
(800)770-4520 fax(651)770-4599
6348 Hwy36 Stwt, Oakdale,MN 55128

VERSA-LOK STANDARD DETAILS | STANDARD UNIT

SCALE: 1 1/2"=1'
DRAWN BY: PPS
CHECKED BY:
DATE: 10/2007
DWG. NO.: detail standard unit




NOTE:
- FOLLOW GEOSYNTHETIC GRID MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATIONS
- GEOGRID LENGTH AND ELEVATION PLACEMENT SHALL BE DETERMINED BY WALL DESIGN ENGINEER

GEOSYNTHETIC INSTALLATION DETAIL
SCALE: NONE

2

THESE PRELIMINARY DETAILS ARE INTENDED AS AN AID IN DESIGNING ATTRACTIVE, DURABLE RETAINING WALLS WITH VERSA-LOK UNITS. FINAL DETERMINATION OF THE SUITABILITY OF ANY INFORMATION OR MATERIAL FOR THE USE CONTEMPLATED, AND ITS MANNER OF USE, IS THE SOLE RESPONSIBILITY OF THE USER. A FINAL PROJECT SPECIFIC DESIGN SHOULD BE PREPARED BY A QUALIFIED, LICENSED, PROFESSIONAL ENGINEER.

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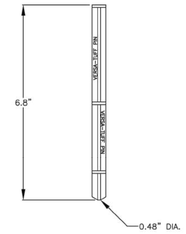
VERSA-LOK STANDARD DETAILS | GEOSYNTHETIC INSTALLATION

SCALE: 3/4"=1'
DRAWN BY: PPS
CHECKED BY:
DATE: 10/2007
DWG. NO.: detail geosynthetic installation




VERSA-TUFF PIN
PIN DIMENSIONS
SCALE: NONE

3

THESE PRELIMINARY DETAILS ARE INTENDED AS AN AID IN DESIGNING ATTRACTIVE, DURABLE RETAINING WALLS WITH VERSA-LOK UNITS. FINAL DETERMINATION OF THE SUITABILITY OF ANY INFORMATION OR MATERIAL FOR THE USE CONTEMPLATED, AND ITS MANNER OF USE, IS THE SOLE RESPONSIBILITY OF THE USER. A FINAL PROJECT SPECIFIC DESIGN SHOULD BE PREPARED BY A QUALIFIED, LICENSED, PROFESSIONAL ENGINEER.

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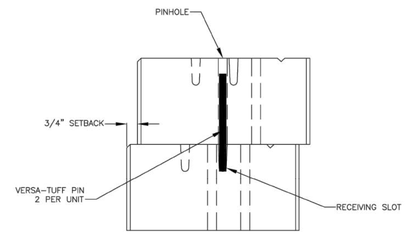
6348 Hwy36 Stwt, Oakdale,MN 55128

VERSA-LOK STANDARD DETAILS | PIN

SCALE: 6"=1'
DRAWN BY: PPS
CHECKED BY:
DATE: 10/2007
DWG. NO.: detail pin




PINNING DETAIL
CROSS SECTION
SCALE: NONE

4

THESE PRELIMINARY DETAILS ARE INTENDED AS AN AID IN DESIGNING ATTRACTIVE, DURABLE RETAINING WALLS WITH VERSA-LOK UNITS. FINAL DETERMINATION OF THE SUITABILITY OF ANY INFORMATION OR MATERIAL FOR THE USE CONTEMPLATED, AND ITS MANNER OF USE, IS THE SOLE RESPONSIBILITY OF THE USER. A FINAL PROJECT SPECIFIC DESIGN SHOULD BE PREPARED BY A QUALIFIED, LICENSED, PROFESSIONAL ENGINEER.

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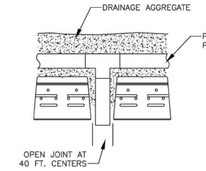
VERSA-LOK STANDARD DETAILS | PINNING

SCALE: 3"=1'
DRAWN BY: PPS
CHECKED BY:
DATE: 10/2007
DWG. NO.: detail pinning




DRAIN DETAIL
SCALE: NONE

5

THESE PRELIMINARY DETAILS ARE INTENDED AS AN AID IN DESIGNING ATTRACTIVE, DURABLE RETAINING WALLS WITH VERSA-LOK UNITS. FINAL DETERMINATION OF THE SUITABILITY OF ANY INFORMATION OR MATERIAL FOR THE USE CONTEMPLATED, AND ITS MANNER OF USE, IS THE SOLE RESPONSIBILITY OF THE USER. A FINAL PROJECT SPECIFIC DESIGN SHOULD BE PREPARED BY A QUALIFIED, LICENSED, PROFESSIONAL ENGINEER.

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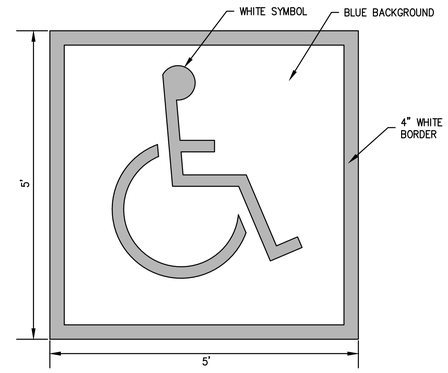
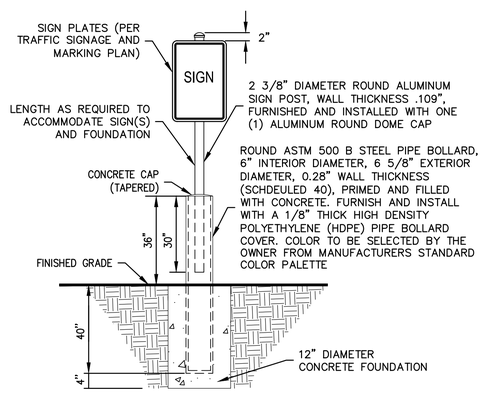
6348 Hwy36 Stwt, Oakdale,MN 55128

VERSA-LOK STANDARD DETAILS | DRAIN DETAIL

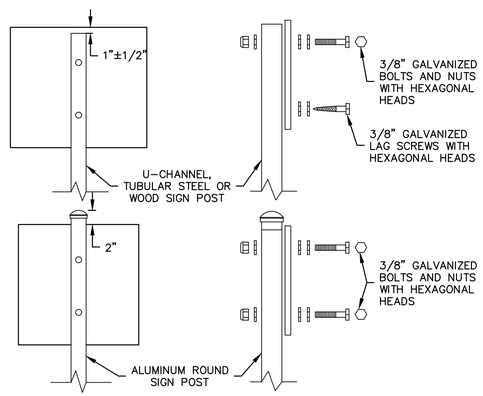
SCALE: 3/4"=1'
DRAWN BY: PPS
CHECKED BY:
DATE: 10/2007
DWG. NO., SHT. NO.: detail drain detail



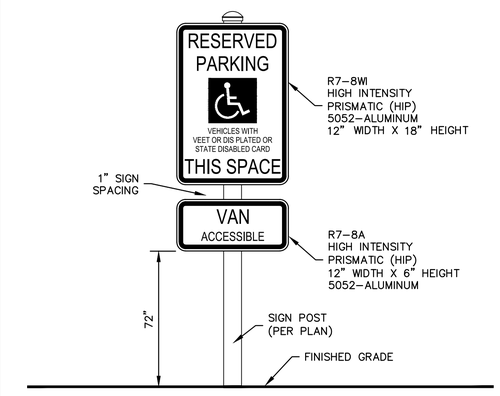

6 PAINTED INTERNATIONAL SYMBOL FOR ACCESSIBILITY DETAIL N.T.S.




7 ALUMINUM ROUND SIGN POST W/ 6" STEEL PIPE BOLLARD DETAIL N.T.S.




8 SIGN MOUNTING HARDWARE DETAIL N.T.S.




9 ADA "RESERVED PARKING VAN ACCESSIBLE" SIGN DETAIL N.T.S.

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| NO. | REVISION | BY | DATE |
|---|---|---|---|

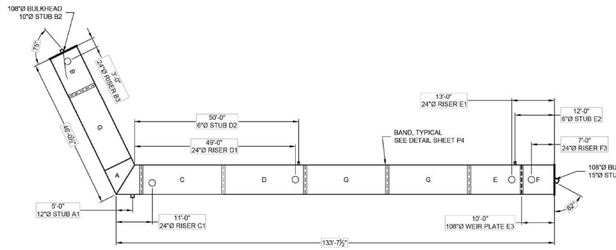
PROJ. MGR: JJC
DRAFTED: JWR
DATE: 4-10-2025
CHECKED: ALJ
DATE: 4-11-2025

2024.0060.01

SHEET C-14

**ISSUE FOR REVIEW: 4-12-2025**

Friday, April 11, 2025 8:06:45 AM




| STUB INFORMATION | | |
|---|---|---|
| PIECE | STUB INVERT | SYSTEM INVERT |
| 12"Ø STUB A1 | 809.00 | 804.33 |
| 10"Ø STUB B2 | 809.00 | 804.33 |
| 6"Ø STUB D2 | 809.00 | 804.33 |
| 6"Ø STUB E2 | 810.50 | 804.33 |
| 15"Ø STUB F2 | 808.83 | 804.33 |

| RISER INFORMATION | | |
|---|---|---|
| PIECE | RIM ELEV. | SYSTEM INVERT |
| 24"Ø RISER B3 | 815.43 | 804.33 |
| 24"Ø RISER C1 | 814.51 | 804.33 |
| 24"Ø RISER D1 | 814.83 | 804.33 |
| 24"Ø RISER E1 | 815.84 | 804.33 |
| 24"Ø RISER F3 | 815.84 | 804.33 |

THE UNDERSIGNED HEREBY APPROVES THE ATTACHED (5) PAGES INCLUDING THE FOLLOWING:

- **PIPE STORAGE = 11,426 CF**
- **MAINLINE PIPE GAGE = 10**
- **WALL TYPE = SOLID**
- **DIAMETER = 108"**
- **FINISH = ALT2**
- **CORRUGATION = 5x1**

CUSTOMER _____ DATE _____

NORTH ARROW PROVIDED FOR REFERENCE ONLY. REFER TO ENGINEERED SITE PLANS FOR EXACT LOCATION AND ORIENTATION

**ASSEMBLY**
SCALE: 1" = 20'
LOADING: H20
PIPE INV. = 804.33'±

NOTES

- ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE.
- ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD (EOR) PRIOR TO RELEASING FOR FABRICATION.
- ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
- ALL RISERS AND STUBS ARE 2⅔" x ½" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
- RISERS TO BE FIELD TRIMMED TO GRADE AS REQUIRED, BY CONTRACTOR.
- QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL ACCESS CASTINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE NOT SUPPLIED BY CONTECH
- BULKHEADS SHALL BE CONSTRUCTED USING 12 GAGE OR HEAVIER MATERIAL, WITH BOTH THE WATER AND SOIL SIDE FINAL COATINGS MATCHING THE SPECIFIED CMP COATING. BULKHEAD PLATES MUST BE FULLY WELDED TO THE CONNECTING PIPE. THE DESIGN OF BULKHEADS SHALL ADHERE TO CHAPTER 8 OF THE NCSPA CSP DESIGN MANUAL, MEETING THE HEIGHT OF COVER DESIGN REQUIREMENTS WITH APPROPRIATE REINFORCEMENTS OR A MINIMUM REQUIRED PLATE THICKNESS. ADDITIONALLY, REINFORCING MEMBERS SHALL BE POST-COATED WITH ZINC RICH PAINT IN ACCORDANCE WITH AASHTO M36 FOR GALVANIZED AND ALUMINUM CMP SYSTEMS, OR AASHTO M245 FOR POLYMER CMP SYSTEMS.

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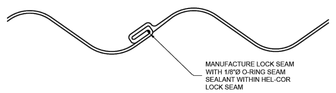
| MARK | DATE | REVISION DESCRIPTION | BY |
|---|---|---|---|

CONTECH ENGINEERED SOLUTIONS LLC
A QUIKRETE COMPANY
9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

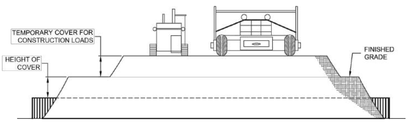
CONTECH CMP DETENTION SYSTEMS
CONTECH PROPOSAL DRAWING

108"Ø UNDERGROUND DETENTION SYSTEM - 830881-010
TSUNAMI EXPRESS CAR WASH - MUKWONAGO
MUKWONAGO, WI
SITE DESIGNATION: UNDERGROUND DETENTION

| PROJECT No.: | SEQ. No.: | DATE: |
|---|---|---|
| 830881 | 010 | 4/9/2025 |
| DESIGNED: CEU | DRAWN: CEU | |
| CHECKED: MSB | APPROVED: CEU | |
| SHEET NO: P1 | OF 5 | |




**LOCK SEAM DETAIL**
NOT TO SCALE




CONSTRUCTION LOADS

FOR TEMPORARY CONSTRUCTION VEHICLE LOADS, AN EXTRA AMOUNT OF COMPACTED COVER MAY BE REQUIRED OVER THE TOP OF THE PIPE. THE HEIGHT-OF-COVER SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THE TABLE BELOW. THE USE OF HEAVY CONSTRUCTION EQUIPMENT NECESSITATES GREATER PROTECTION FOR THE PIPE THAN FINISHED GRADE COVER MINIMUMS FOR NORMAL HIGHWAY TRAFFIC.

| PIPE SPAN, INCHES | AXLE LOADS (kips) | | | |
|---|---|---|---|---|
| | 18-50 | 50-75 | 75-110 | 110-150 |
| | MINIMUM COVER (FT) | | | |
| 12-42 | 2.0 | 2.5 | 3.0 | 3.0 |
| 48-72 | 3.0 | 3.0 | 3.5 | 4.0 |
| 78-120 | 3.0 | 3.5 | 4.0 | 4.0 |
| 126-144 | 3.5 | 4.0 | 4.5 | 4.5 |

*MINIMUM COVER MAY VARY, DEPENDING ON LOCAL CONDITIONS. THE CONTRACTOR MUST PROVIDE THE ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. MINIMUM COVER IS MEASURED FROM THE TOP OF THE PIPE TO THE TOP OF THE MAINTAINED CONSTRUCTION ROADWAY SURFACE.

**CONSTRUCTION LOADING DIAGRAM**
NOT TO SCALE

SPECIFICATION FOR CORRUGATED STEEL PIPE-ALUMINIZED TYPE 2 STEEL

SCOPE

THIS SPECIFICATION COVERS THE MANUFACTURE AND INSTALLATION OF THE CORRUGATED STEEL PIPE (CSP) DETAILED IN THE PROJECT PLANS.

MATERIAL

THE ALUMINIZED TYPE 2 STEEL COILS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M274 OR ASTM A929.

PIPE

THE CSP SHALL BE MANUFACTURED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF AASHTO M36 OR ASTM A760. THE PIPE SIZES, GAGES AND CORRUGATIONS SHALL BE AS SHOWN ON THE PROJECT PLANS.

ALL FABRICATION OF THE PRODUCT SHALL OCCUR WITHIN THE UNITED STATES.

HANDLING AND ASSEMBLY

SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS OF THE NATIONAL CORRUGATED STEEL PIPE ASSOCIATION (NCSPA)

INSTALLATION

SHALL BE IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SECTION 26, DIVISION II OR ASTM A798 AND IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. IF THERE ARE ANY INCONSISTENCIES OR CONFLICTS THE CONTRACTOR SHOULD DISCUSS AND RESOLVE WITH THE SITE ENGINEER.

IT IS ALWAYS THE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.

ANTI-FLOTATION PROVISIONS DUE TO HIGH GROUNDWATER OR OTHER FLOTATION CONCERNS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.

**MATERIAL SPECIFICATION**
NOT TO SCALE

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A QUIKRETE COMPANY
9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CONTECH CMP DETENTION SYSTEMS
CONTECH PROPOSAL DRAWING

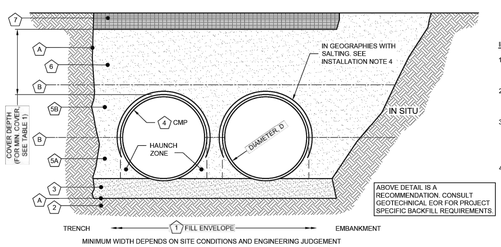
108"Ø UNDERGROUND DETENTION SYSTEM - 830881-010
TSUNAMI EXPRESS CAR WASH - MUKWONAGO
MUKWONAGO, WI
SITE DESIGNATION: UNDERGROUND DETENTION

| PROJECT No.: | SEQ. No.: | DATE: |
|---|---|---|
| 830881 | 010 | 4/9/2025 |
| DESIGNED: CEU | DRAWN: CEU | |
| CHECKED: MSB | APPROVED: CEU | |
| SHEET NO: P2 | OF 5 | |

TABLE 1:

| DIAMETER, D | MIN. COVER | CORR. PROFILE |
|---|---|---|
| 6"-10" | 12" | 1 1/2" x 1/4" |
| 12"-48" | 12" | 2 2/3" x 1/2" |
| >48"-96" | 12" | 3" x 1", 5" x 1" |
| >96" | D/8 | 3" x 1", 5" x 1" |

- STRUCTURAL BACKFILL MUST EXTEND TO LIMITS OF THE TABLE.
- TOTAL HEIGHT OF COMPACTED COVER FOR CONVENTIONAL HIGHWAY LOADS IS MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TOP OF RIGID PAVEMENT
- ULTRAFLO ALSO AVAILABLE FOR SIZES 18" - 120" WITH 3/4"x 3/4"x 7 1/2" CORRUGATION




INSTALLATION NOTES

1. WHEN PLACING THE FIRST LIFTS OF BACKFILL IT IS IMPORTANT TO MAKE SURE THAT THE BACKFILL IS PROPERLY COMPACTED UNDER AND AROUND THE PIPE HAUNCHES.
2. OTHER ALTERNATE BACKFILL MATERIAL MAY BE ALLOWED DEPENDING ON SITE SPECIFIC CONDITIONS, AS APPROVED BY SITE ENGINEER.
3. BACKFILL USING CONTROLLED LOW-STRENGTH MATERIAL (CLSM, "FLASH FILL" OR "FLOWABLE FILL") MAY BE USED WHEN THE SPACING BETWEEN THE PIPES WILL NOT ALLOW FOR PLACEMENT AND ADEQUATE COMPACTION OF THE BACKFILL. CONTACT CONTECH FOR FURTHER EVALUATION.
4. IF SALTING AGENTS FOR SNOW AND ICE REMOVAL ARE USED ON OR NEAR THE PROJECT, A GEOMEMBRANE BARRIER IS RECOMMENDED OVER THE UPPER HALF OF THE PIPE. THE GEOMEMBRANE LINER IS INTENDED TO HELP PROTECT THE SYSTEM FROM THE POTENTIAL ADVERSE EFFECTS THAT MAY RESULT FROM A CHANGE IN THE SURROUNDING ENVIRONMENT OVER A PERIOD OF TIME. PLEASE REFER TO THE CORRUGATED METAL PIPE DETENTION DESIGN GUIDE FOR ADDITIONAL INFORMATION.

TABLE 2:

**CMP DETENTION AND CMP DRAINAGE STANDARD BACKFILL SPECIFICATIONS**

| | MATERIAL LOCATION | MATERIAL SPECIFICATION | DESCRIPTION | |
|---|---|---|---|---|
| 1 | FILL ENVELOPE WIDTH | PER ENGINEER OF RECORD | MINIMUM TRENCH WIDTH MUST ALLOW ROOM FOR PROPER COMPACTION OF HAUNCH MATERIALS UNDER THE PIPE. THE SUGGESTED MINIMUM TRENCH WIDTH, OR EOR RECOMMENDATION: PIPE ≤ 12": D + 16 PIPE > 12": 1.5D + 12" | MINIMUM EMBANKMENT WIDTH (IN FEET) FOR INITIAL FILL ENVELOPE: PIPE < 24": 3.0D PIPE 24" - 144": D + 4'0" PIPE > 144": D + 10'0" |
| 2 | FOUNDATION | **AASHTO 26.5.2** OR PER ENGINEER OF RECORD | PRIOR TO PLACING THE BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED AND FOUNDATION BROUGHT BACK TO GRADE WITH A FILL MATERIAL APPROVED BY THE ENGINEER OF RECORD. | |
| 3 | BEDDING | **AASHTO M 43: 3, 357, 4, 467, 5, 56, 57** (APPROVED REGIONAL EQUIVALENTS INCLUDE CA-7) | ENGINEER OF RECORD TO DETERMINE IF BEDDING IS REQUIRED. PIPE MAY BE PLACED ON THE TRENCH BOTTOM OF A RELATIVELY LOOSE, NATIVE SUITABLE WELL GRADED GRANULAR MATERIAL THAT IS ROUGHLY SHAPED TO FIT THE BOTTOM OF THE PIPE, 2" MIN DEPTH. THE BEDDING MATERIAL MAY BE SUITABLE FOUNDATION SOILS CONFORMING TO AASHTO SOIL CLASSIFICATIONS A1, A2, OR A3 WITH MAXIMUM PARTICLE SIZE OF 3" PER AASHTO 26.3.8.1 | |
| 4 | | | CORRUGATED METAL PIPE | |
| 5A | CRITICAL BACKFILL | **AASHTO M 145: A-1, A-2, A-3 *** | HAUNCH ZONE MATERIAL SHALL BE HAND SHOVELED OR SHOVEL SLICED INTO PLACE TO ALLOW FOR PROPER COMPACTION WITHOUT SOFT SPOTS. BACKFILL SHALL BE PLACED IN 8" +/- LOOSE LIFTS AND COMPACTED TO 90% STANDARD PROCTOR PER AASHTO T 99. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A THREE LIFT (24") DIFFERENTIAL BETWEEN ANY OF THE PIPES AT ANY TIME DURING THE BACKFILL PROCESS. THE BACKFILL SHOULD BE ADVANCED ALONG THE LENGTH OF THE SYSTEM TO AVOID DIFFERENTIAL LOADING. WELL GRADED GRANULAR MATERIAL WHICH MAY CONTAIN SMALL AMOUNTS OF SILT OR CLAY AND MAXIMUM PARTICLE SIZE OF 3" (PER AASHTO 26.3.8.1 AND 12.4-1.3). | |
| 5B | BACKFILL | **AASHTO M 145: A-1, A-2, A-3** | | |
| 6 | COVER MATERIAL | UP TO MIN. COVER - SEE 5A AND 5B ABOVE ABOVE MIN. COVER - PER ENGINEER OF RECORD | COVER MATERIAL MAY INCLUDE NON-BITUMINOUS, GRANULAR ROAD BASE MATERIAL WITHIN MIN COVER LIMITS | |
| 7 | RIGID OR FLEXIBLE PAVEMENT (IF APPLICABLE) | PER ENGINEER OF RECORD | FLEXIBLE PAVEMENT SHOULD NOT BE COUNTED AS PART OF THE FILL HEIGHT OVER THE CMP. FINAL BACKFILL MATERIAL SELECTION AND COMPACTION REQUIREMENTS SHALL FOLLOW THE PROJECT PLANS AND SPECIFICATIONS PER THE ENGINEER OF RECORD. | |
| A | OPTIONAL SIDE GEOTEXTILE | NONE | GEOTEXTILE LAYER IS RECOMMENDED ON SIDES OF EXCAVATION TO PREVENT SOIL MIGRATION. | |
| B | OPTIONAL GEOTEXTILE BETWEEN LAYERS | NONE | IF SOIL TYPES DIFFER AT ANY POINT ABOVE PIPE INVERT, A GEOTEXTILE LAYER IS RECOMMENDED TO BE PLACED BETWEEN THE LAYERS TO PREVENT SOIL MIGRATION. | |

NOTES:
- FOR MULTIPLE BARREL INSTALLATIONS, THE RECOMMENDED STANDARD SPACING BETWEEN PARALLEL PIPE RUNS SHALL BE THE PIPE DIAMETER /2 BUT NO LESS THAN 12" FOR DIAMETERS <72". FOR 72" AND LARGER DIAMETERS, THE MINIMUM SPACING IS 36". CONTACT YOUR CONTECH REPRESENTATIVE FOR NONSTANDARD SPACING.
- * APPROVED REGIONAL EQUIVALENTS FOR SECTION 5A INCLUDE CA-7, MIDOT 2G, 34G, OR 21AA STONE OR GRAVEL; #8; #57; MIDOT 6A, 2G, 3G, 34G.

**MANUFACTURER RECOMMENDED BACKFILL**
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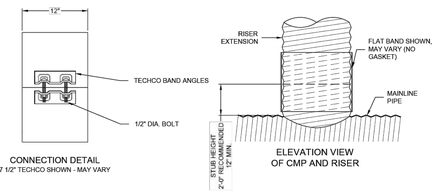
CONTECH CMP DETENTION SYSTEMS
CONTECH PROPOSAL DRAWING

108"Ø UNDERGROUND DETENTION SYSTEM - 830881-010
TSUNAMI EXPRESS CAR WASH - MUKWONAGO
MUKWONAGO, WI
SITE DESIGNATION: UNDERGROUND DETENTION

| PROJECT No.: | SEQ. No.: | DATE: |
|---|---|---|
| 830881 | 010 | 4/9/2025 |
| DESIGNED: CEU | DRAWN: CEU | |
| CHECKED: MSB | APPROVED: CEU | |
| SHEET NO: P3 | OF 5 | |




CONNECTION DETAIL
7 1/2" TECHCO SHOWN - MAY VARY

ELEVATION VIEW OF CMP AND RISER

CONNECTION DETAIL
(DBBS)

FLAT GASKET

**PLAIN END CMP RISER PIPE**

GENERAL NOTES:

1. **DELIVERED BAND STYLE AND FASTENER TYPE MAY VARY BY FABRICATION PLANT.**
2. JOINT IS TO BE ASSEMBLED PER AASHTO BRIDGE CONSTRUCTION SPECIFICATION SEC 26.4.2.4.
3. BAND MATERIAL AND GAGE TO BE SAME AS RISER MATERIAL.
4. IF RISER HAS A HEIGHT OF COVER OF 10' OR MORE, USE A SLIP JOINT.
5. BANDS ARE NORMALLY FURNISHED AS FOLLOWS:
   - 12" THRU 48" 1-PIECE
   - 54" 2-PIECES
6. ALL RISER JOINT COMPONENTS WILL BE FIELD ASSEMBLED.
7. MANHOLE RISERS IN APPLICATIONS WHERE TRAFFIC LOADS ARE IMPOSED REQUIRE SPECIAL DESIGN CONSIDERATIONS.
8. DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES.

**12" RISER BAND DETAIL**
NOT TO SCALE

**2 2/3"x1/2" RE-ROLLED END HEL-COR PIPE**

GENERAL NOTES:

1. JOINT IS TO BE ASSEMBLED PER AASHTO BRIDGE CONSTRUCTION SPECIFICATION SEC 26.4.2.4.
2. BAND MATERIALS AND/OR COATING CAN VARY BY LOCATION. CONTACT YOUR CONTECH REPRESENTATIVE FOR AVAILABILITY.
3. BANDS ARE SHAPED TO MATCH THE PIPE-ARCH WHEN APPLICABLE.
4. BANDS ARE NORMALLY FURNISHED AS FOLLOWS:
   - 12" THRU 48" 1-PIECE
   - 54" THRU 96" 2-PIECES
   - 102" THRU 144" 3-PIECES
5. BAND FASTENERS ARE ATTACHED WITH SPOT WELDS, RIVETS OR HAND WELDS.
6. ALL CMP IS REROLLED TO HAVE ANNULAR END CORRUGATIONS OF 2 2/3"x1/2"
7. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
8. ORDER SHALL DESIGNATE GASKET OPTION, IF REQUIRED (SEE DETAILS ABOVE).

**10-C BAND DETAIL**
NOT TO SCALE

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CONTECH CMP DETENTION SYSTEMS
CONTECH PROPOSAL DRAWING

108"Ø UNDERGROUND DETENTION SYSTEM - 830881-010
TSUNAMI EXPRESS CAR WASH - MUKWONAGO
MUKWONAGO, WI
SITE DESIGNATION: UNDERGROUND DETENTION

| PROJECT No.: | SEQ. No.: | DATE: |
|---|---|---|
| 830881 | 010 | 4/9/2025 |
| DESIGNED: CEU | DRAWN: CEU | |
| CHECKED: MSB | APPROVED: CEU | |
| SHEET NO: P4 | OF 5 | |

Nielsen Madsen + Barber
CIVIL ENGINEERS AND LAND SURVEYORS
1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net

**TSUNAMI EXPRESS CAR WASH**
CONTECH WATER QUALITY STRUCTURE DETAILS
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|

PROJ. MGR: JJC
DRAFTED: JWR
DATE: 4-10-2025
CHECKED: ALJ
DATE: 4-11-2025

2024.0060.01

SHEET C-15

**ISSUE FOR REVIEW: 4-12-2025**

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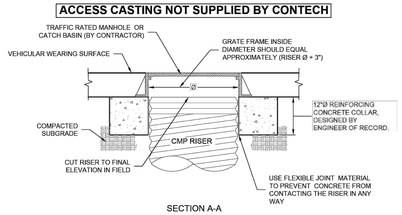
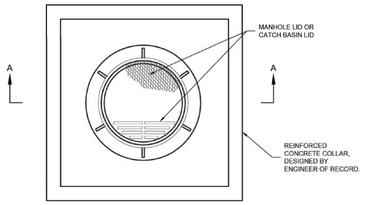
Friday, April 11, 2025 8:06:50 AM

## ACCESS CASTING NOT SUPPLIED BY CONTECH




SECTION A-A




PLAN VIEW

NOTES:

1. REINFORCED CONCRETE COLLAR SHALL BE SIZED AND DESIGNED BY ENGINEER OF RECORD SO THAT THE LOADS ARE TRANSMITTED TO THE SOIL, AND NOT THE RISER.
2. REINFORCED CONCRETE COLLAR SHALL BE SIZED TO PROVIDE AN ADEQUATE BOTTOM AREA BASED ON THE ALLOWABLE BEARING CAPACITY OF THE SOIL.
3. THE FLEXIBLE JOINT MATERIAL (RECYCLED VINYL OR EQUIVALENT) TO BE STIFF ENOUGH SO THAT THE CONCRETE CAN NEVER ENGAGE WITH THE RISER CORRUGATIONS.

**MANHOLE CAP DETAIL**
NOT TO SCALE

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CONTECH CMP DETENTION SYSTEMS

WORKING DRAWING
**PROPOSAL**
DRAWING

108"Ø UNDERGROUND DETENTION SYSTEM - 830881-010
TSUNAMI EXPRESS CAR WASH - MUKWONAGO
MUKWONAGO, WI
SITE DESIGNATION: UNDERGROUND DETENTION

| PROJECT No. | SEQ. No. | DATE |
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| 830881 | 010 | 4/9/2025 |
| DESIGNED: CEU | DRAWN: CEU | |
| CHECKED: MSB | APPROVED: CEU | |
| SHEET NO.: P5 | OF 5 | |

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STRUCTURE DETAILS
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|
| | | | |

PROJ. MGR: JJC
DRAFTED: JWR
DATE: 4-10-2025
CHECKED: ALJ
DATE: 4-11-2025

2024.0060.01

SHEET
C-16

***ISSUE FOR REVIEW: 4-12-2025***

\\QUIKRETE.NET\CONTECH\ENGINEERING\PROJECTS\CAD\CAD\830881\830881-010\SR - CU CMP CETTE\CAD\DRAWINGS\830881-010-SR-CU CMP CCMP.DWG 4/9/2025 11:47 AM
Friday, April 11, 2025 8:06:59 AM

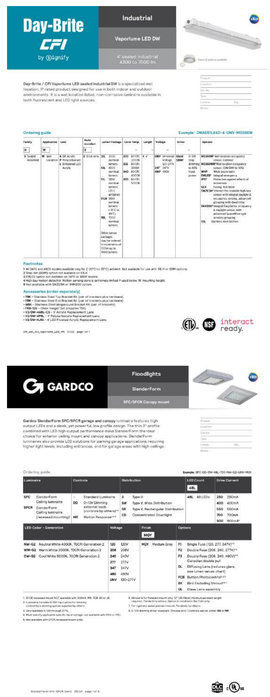
**Schedule**

| Symbol | Label | Image | QTY | Manufacturer | Catalog Number | Description | Lamp | Number Lamps | Lumens per Lamp | LLF | Wattage | Polar Plot |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ◯ | M | | 2 | Gardco | GWM-A06-740-T4M-UNV-BZ | Gardco GeoForm wedge medium LED wall sconce, 40 LED's, 4000K CCT, TYPE T4M OPTIC, 70CRI | (2) LDGN66 Reduced Pixelated Array(s) DRIVEN AT 526mA | 1 | 2898 | 0.9 | 16.3 |  Max: 1454cd |
| ▯ | NA2 | | 10 | Daybrite | DWAE3SL840-4-UNV | PHILIPS 4' VAPORLUME 2-LP3.2.1 4000K BOARDS 54W DRIVER 2.7K RESISTOR | LED, LUMINAIRE OUTPUT = 3699 LMS | 1 | 3698 | 0.9 | 31.5 |  Max: 1252cd |
| ▫ | PA3H | | 4 | Gardco | ECF-S-32L-700-NW-G2-3-HIS | EcoForm Area LED ECF - Small, 32 LED's, 4000K CCT, TYPE 3-HIS OPTIC, House-side Internal Shielding | (2) LEDGINE SLD LIGHT ARRAY(S) DRIVEN AT 700mA | 1 | 7576 | 0.9 | 72.9 |  Max: 6917cd |
| ▫ | PA4H | | 3 | Gardco | ECF-S-32L-1A-NW-G2-4-HIS | EcoForm Area LED ECF - Small, 32 LED's, 4000K CCT, TYPE 4-HIS OPTIC, House-side Internal Shielding | (2) LEDGINE SLD LIGHT ARRAY(S) DRIVEN AT 1050mA | 1 | 10983 | 0.9 | 105.6 |  Max: 8445cd |
| ◯ | RA | | 3 | Gardco | SFC-CD-DL-4BL-250-NW-G2-UNV-MGY-DL | SLENDERFORM CANOPY, 48 LED's, 4000K CCT, TYPE CD-DL OPTIC, DIFFUSE LENS | (3) LEDGINE 3 IP66 DRIVEN AT 250mA | 1 | 4310 | 0.9 | 38.3 |  Max: 2148cd |
| ◯ | SA | | 11 | Gardco | GWM-A06-740-T4M-UNV-BZ | Gardco GeoForm wedge medium LED wall sconce, 40 LED's, 4000K CCT, TYPE T4M OPTIC, 70CRI | (2) LDGN66 Reduced Pixelated Array(s) DRIVEN AT 526mA | 1 | 2898 | 0.9 | 16.3 |  Max: 1454cd |

**Statistics**

| Description | Symbol | Avg | Max | Min | Max/Min | Avg/Min |
|---|---|---|---|---|---|---|
| Parking/Drive Area | + | 2.3 fc | 17.7 fc | 0.4 fc | 44.3:1 | 5.8:1 |

*No substitutions shall be allowed without prior approval from engineer of record and lighting designer.



**Plan View**

All light levels are approximate.
Values will vary due to actual LED/driver combinations, reflectances (currently set at 80/50/20), environmental conditions, and obstructions.
Calculations are based on our interpretation of information provided to us.
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SPECTRUM lighting

**Tsunami Carwash**
**Mukwonago, WI**

**Designer**
BGG
**Date**
04/18/2025
**Scale**
Not to Scale
**Drawing No.**

**Summary**

## *Sec 36-1442* — *Street Frontage Landscape Requirements*

*Minimum Requirement*

A minimum of 60 landscape points shall be provided along a public right-of-way on a prorated basis for every 100 LF of right-of-way frontage

| Street Frontage | LF of Frontage | Required Points |
|---|---|---|
| East Wolf Run | 339.07 LF | 203.4 |
| Maple Avenue | 382.22 LF | 229.3 |
| | | **432.8** |

Required Tall Trees: **10.8**

Located within ten (10) feet of the public right-of-way

Only Tall Trees may be used for street frontage landscaping

## *Sec 36-1443* — *Building Foundation Landscape Requirements*

*Minimum Requirement*

A minimum of 25 landscape points shall be provided on a prorated basis for every 100 LF of building foundation perimeter.

Proposed Building Founation Perimeter: 377.3 LF

Required Landscape Points: 94 Points

Generally located within ten (10) feet of building foundation

## *Sec 36-1444* — *Parking Lot Landscape Requirements*

*Minimum Requirement*

A minimum of 120 landscape points shall be provided on a prorated basis for every 10,000 SF of paved area.

Proposed Paved Area: 21,563 SF

Required Landscape Points: 259 Points

A minimum of 60 percent of all landscape points shall be devoted to tall trees

Required Landscape Points: 155

Required Tall Trees: 4 trees

A minimum of 20 percent of all landscape points shall be devoted to shrubs

Required Landscape Points: 52

Required Shrubs: 17 shrubs

*Placement within landscape area:*

a minimum of 325 SF of landscaped area shall be located withing ten (10) feet of the perimeter of the paved area for the placement of every 100 landscape points or fraction thereof. A landscaped island consisting of a minimum of 380 SF shall be located at the end of a parking aisle (i.e. two rows of stalls). In addition, an intermediate island consisting of a minimum of 180 SF per row of stalls shall be used to separate a continuous run of 20 parking stalls in a single row.

Required 325 SF interior landscaped area: 2.6 SF

Required total interior landcaped areas: 841 SF

*This requirement is part of the overall parking lot landscape requirements*

## *Sec 36-1445* — *Lot Interior Landscape Requirements*

a minimum of ten (10) landscape points shall be provided within the interior of the lot on a pro rated basis for every 1,000 SF of building floor area.

Proposed Building Floor Area: 5321 SF

Required Landscape Points: 53 Points

Located away from other landscape requirements: Street Frontages, Building Foundations, and Parking Lot areas.

## *Sec 36-1446* — *Landscaping around exterior features*

Exterior perimeter appurtenses, such as HVAC/utility boxes, stand pipes, stormwater discharge pipes and other pipes, shall be screened from sight by landscape plantings of a minimum of five feet in height.

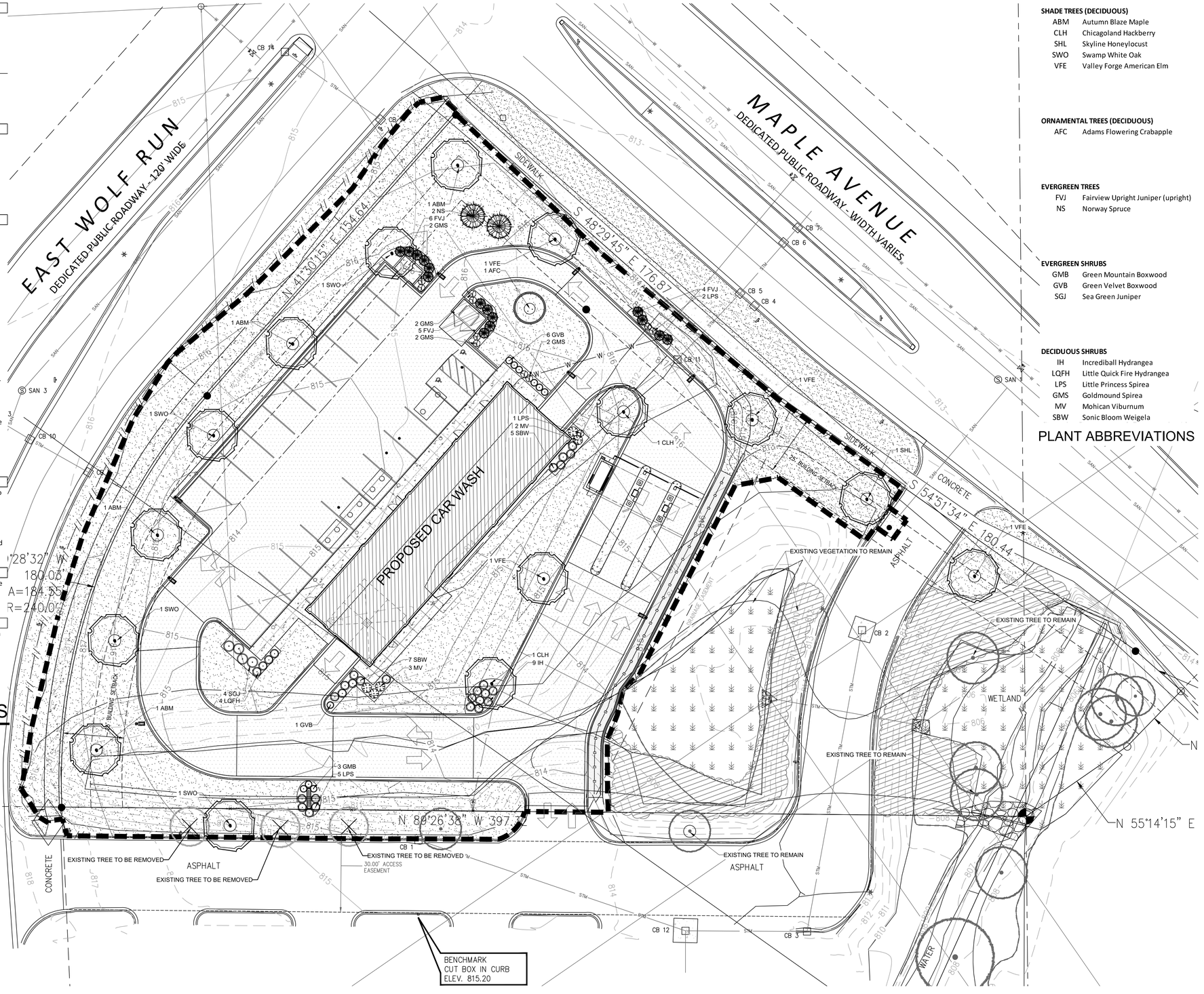
## *Sec 36-1447* — *Landscaping for outdoor storage areas*

When a permitted land use includes an outdoor storage area, such area shall be screened from view from public streets and public use areas on adjoining properties. Such screening may consist of a berm, non-metallic fencing, a decorative wall, landscaping, or any combination, as determined by the plan commission.

Total Required Landscape Points: 787

Total Landscape Points shown on Landscape Plan: 836

# CODE REQUIREMENTS




**SHADE TREES (DECIDUOUS)**

| | |
|---|---|
| ABM | Autumn Blaze Maple |
| CLH | Chicagoland Hackberry |
| SHL | Skyline Honeylocust |
| SWO | Swamp White Oak |
| VFE | Valley Forge American Elm |

**ORNAMENTAL TREES (DECIDUOUS)**

| | |
|---|---|
| AFC | Adams Flowering Crabapple |

**EVERGREEN TREES**

| | |
|---|---|
| FVJ | Fairview Upright Juniper (upright) |
| NS | Norway Spruce |

**EVERGREEN SHRUBS**

| | |
|---|---|
| GMB | Green Mountain Boxwood |
| GVB | Green Velvet Boxwood |
| SGJ | Sea Green Juniper |

**DECIDUOUS SHRUBS**

| | |
|---|---|
| IH | Incrediball Hydrangea |
| LQFH | Little Quick Fire Hydrangea |
| LPS | Little Princess Spirea |
| GMS | Goldmound Spirea |
| MV | Mohican Viburnum |
| SBW | Sonic Bloom Weigela |

# PLANT ABBREVIATIONS

NORTH

# OVERALL LANDSCAPE PLAN

Scale: 1" = 8'0"

0 4 8 16


HELLER & ASSOCIATES, LLC
LANDSCAPE ARCHITECTURE
P.O. Box 1359
Lake Geneva, Wisconsin 53147-1359
ph 262.639.9733
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PROJECT

# TSUNAMI EXPRESS

East Wolf Run
at Maple Ave.
Mukwanago, WI

ISSUANCE AND REVISIONS

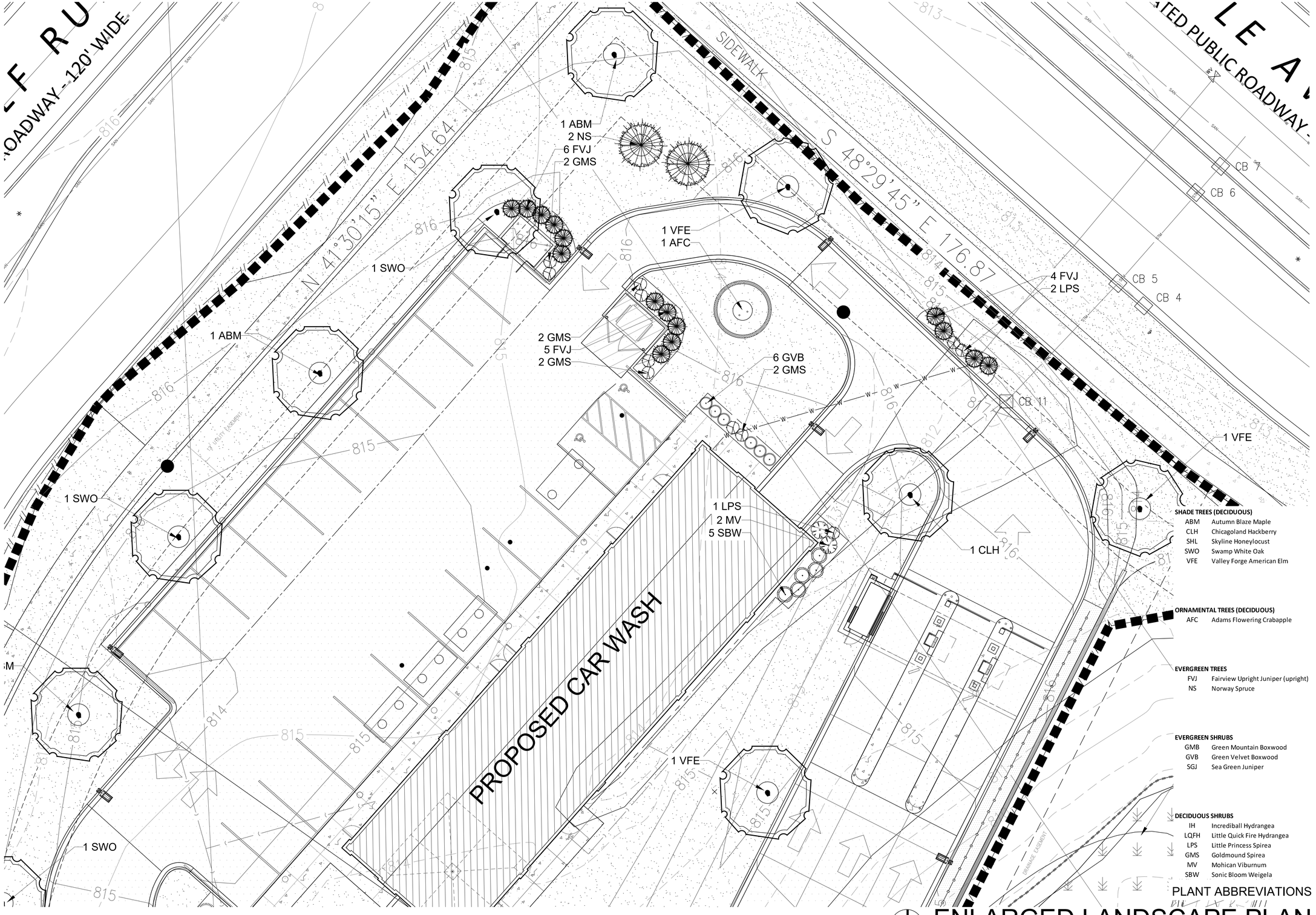
| DATE | DESCRIPTION |
|---|---|
| 8.08.24 | FIRST ISSUE |
| 4.17.25 | REV. SITE PLAN |

Information contained herein is based on survey information, field inspection, and believed to be accurate.

SHEET TITLE

# OVERALL LANDSCAPE PLAN

| | |
|---|---|
| PROJECT MANAGER | WDH |
| PROJECT NUMBER | 24-038 |
| DATE | 04.17.25 |
| SHEET NUMBER | L 1.0 |

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PLANT ABBREVIATIONS

NORTH

# ENLARGED LANDSCAPE PLAN

Scale: 1" = 10'0"

0 5 10 20

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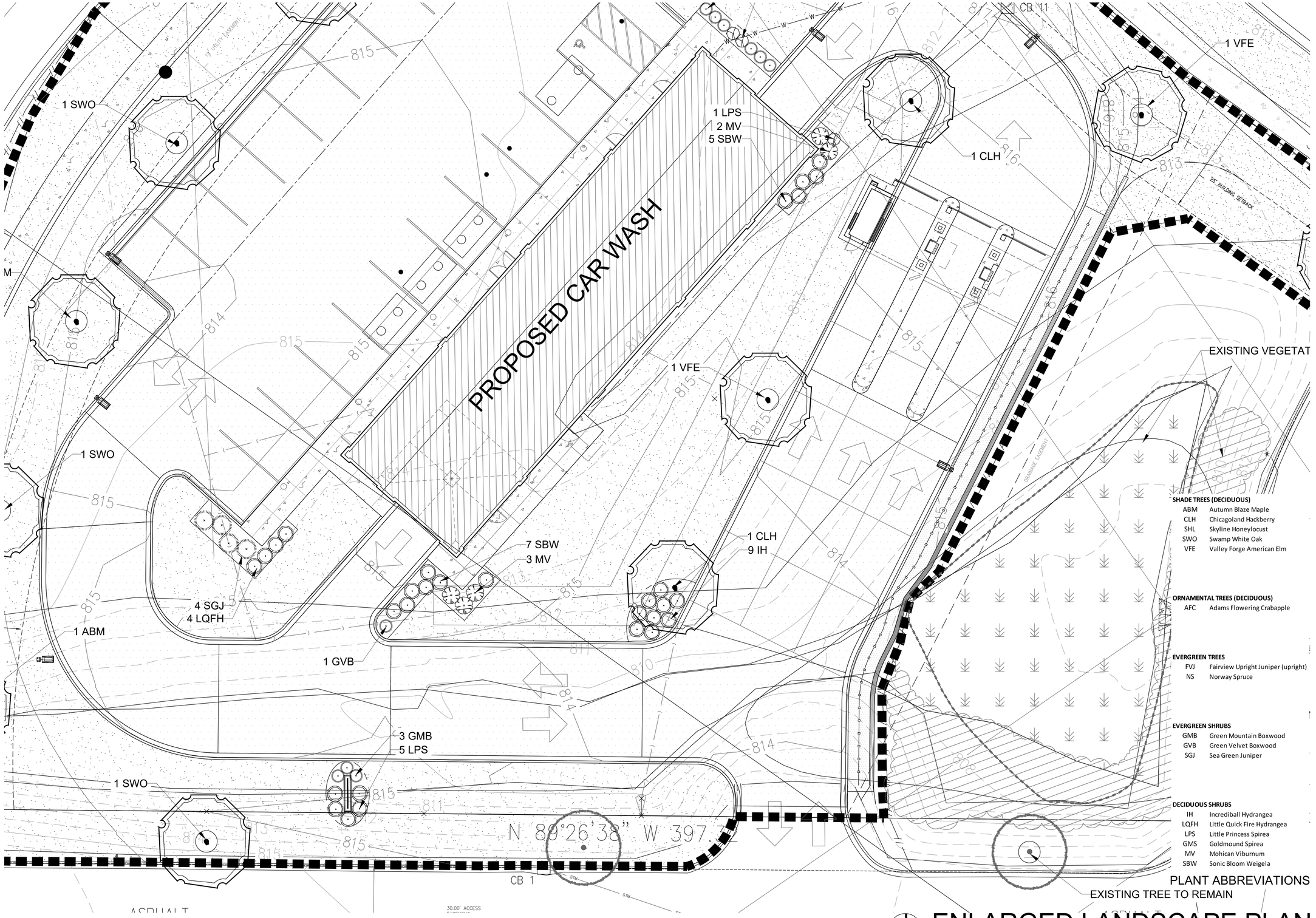
# ENLARGED LANDSCAPE PLAN

| | |
|---|---|
| PROJECT MANAGER | WDH |
| PROJECT NUMBER | 24-038 |
| DATE | 04.17.25 |
| SHEET NUMBER | L 1.1 |




**SHADE TREES (DECIDUOUS)**

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# ENLARGED LANDSCAPE PLAN

| | |
|---|---|
| PROJECT MANAGER | WDH |
| PROJECT NUMBER | 24-038 |
| DATE | 04.17.25 |
| SHEET NUMBER | L 1.2 |

1. Contractor responsible for contacting Diggers Hotline (811 or 800-242-8511) to have site marked prior to excavation or planting.

2. Contractor to verify all plant quantities shown on Plant & Material List and landscape planting symbols and report any discrepancies to Landscape Architect or General Contractor.

3. All plantings shall comply with standards as described in American Standard of Nursery Stock - Z60.1 ANSI (latest version). Landscape Architect reserves the right to inspect, and potentially reject any plants that are inferior, compromised, undersized, diseased, improperly transported, installed incorrectly or damaged. No sub-standard "B Grade" or "Park Grade" plant material shall be accepted. Plant material shall originate from nursery(ies) with a similar climate as the planting site.

4. Any potential plant substitutions must be approved by Landscape Architect or Owner. All plants must be installed as per sizes indicated on Plant & Material Schedule, unless approved by Landscape Architect. Any changes to sizes shown on plan must be submitted in writing to the Landscape Architect prior to installation.

5. Topspoil in Parking Lot Islands (if applicable): All parking lot islands to be backfilled with topsoil to a minimum depth of 12" to insure long-term plant health. Topsoil should be placed within 3" of finish grade by General Contractor / Excavation Contractor during rough grading operations/activity. The landscape contractor shall be responsible for the fine grading of all disturbed areas, planting bed areas, and lawn areas. Crown all parking lot islands a minimum of 4" to provide proper drainage, unless otherwise specified.

6. Tree Planting: Plant all trees slightly higher than finished grade at the root flare. Remove excess soil from the top of the root ball, if needed. Remove and discard non-biodegradable ball wrapping and support wire. Removed biodegradable burlap and wire cage (if present) from the top $\frac{1}{3}$ of the rootball and carefully bend remaining wire down to the bottom of the hole. Once the tree has been placed into the hole and will no longer be moved, score the remaining $\frac{2}{3}$ of the burlap and remove the twine. Provide one slow release fertilizer packets (per 1" caliper) for each tree planted.

7. Tree Planting: Backfill tree planting holes 80% existing soils removed from excavation and 20% Soil Amendments (see Note 11). Avoid air pockets and do not tamp soil down. Discard any gravel, rocks, heavy clay, or concrete pieces. When hole is $\frac{2}{3}$ full, trees shall be watered thoroughly, and water left to soak in before proceeding to fill the remainder of the hole. Water again to full soak in the new planting. Each tree shall receive a 3" deep, 4-5' diameter (see planting details or planting plan) shredded hardwood bark mulch ring / saucer around all trees. Do not build up any mulch onto the trunk of any tree. Trees that are installed incorrectly will be replaced at the time and expense of the Landscape Contractor.

8. Shrub Planting: All shrubs to be planted in groupings as indicated on the Landscape Plan. Install with the planting of shrubs a 50/50 mix of Soil Amendments with blended, pulverized topsoil. Install topsoil into all plant beds as needed to achieve proper grade and displace undesirable soils (see planting detail). Remove all excessive gravel, clay and stones from plant beds prior to planting. When hole(s) are $\frac{2}{3}$ full, shrubs shall be watered thoroughly, and water left to soak in before proceeding. Provide slow-release fertilizer packets at the rater of 1 per 24" height/diameter of shrub at planting.

9. Mulching: All tree rings to receive a 3" deep layer of high quality shredded hardwood bark mulch (not pigment dyed or enviro-mulch). All shrub planting and perennial planting bed areas (groupings) shall receive a 2" layer of double-shredded hardwood bark mulch, and groundcover areas a 2" layer of the same mulch. Do not mulch annual flower beds (if applicable). Do not allow mulch to contact plant stems and tree trunks.

10. Edging: All planting beds shall be edged with a 4" deep spade edge using a flat landscape spade or a mechanical edger. Bedlines are to be cut crisp, smooth as per plan. A clean definition between landscape beds and lawn is required. Pack mulch against lawn edge to hold in place.

11. Plant bed preparation/Soil Amendment composition: All perennial, groundcover and annual areas (if applicable) are required to receive a blend of organic soil (Soil Amendments) amendments prior to installation. Roto-till the following materials at the following ratio, into existing soil beds or installed topsoil beds to a depth of approximately 8"-10". Containerized and balled & burlapped plant material should be back-filled with amended soil:

Per 100 SF of bed area (Soil Amendment composition):
¾ CY Peat Moss or Mushroom Compost
¾ CY blended/pulverized Topsoil
¼ CY composted manure

In roto-tilled beds only, also include in above mixture:
2 lbs Starter Fertilizer

12. Installation preparation for all seeded areas: remove/kill off any existing unwanted vegetation prior to seeding. Prepare the topsoil (if adequate or provide as in item #6 above) and seed bed by removing all surface stones 1" or larger. Apply a starter fertilizer (20-10-5, or approved comparable) and specified seed uniformly at the specified rate, and provide mulch covering suitable to germinate and establish turf. Provide seed and fertilizer specifications to Landscape Architect and Owner prior to installation. Erosion control measures are to be used in swales and on slopes in excess of 1:3 and where applicable (see Civil Engineering Drawings). Methods of installation may vary are the discretion of the Landscape Contractor on his/her responsibility to establish and guarantee a smooth, uniform, quality turf. A minimum of 2" of blended, prepared and non-compacted topsoil is required for all lawn areas. If straw mulch is used as a mulch covering, a tackifier may be necessary to avoid wind dispersal of mulch covering. Marsh hay containing reed canary grass is NOT acceptable as a mulch covering.

An acceptable quality seed installation is defined as having:
No bare spots larger than one (1) square foot
No more than 10% of the total area with bare areas larger than one (1) square foot
A uniform coverage through all turf areas

13. Warranty and Replacements: All plantings are to be watered thoroughly at the time of planting, through construction and upon completion of project as required. Trees, Evergreens, and Shrubs (deciduous and evergreen) shall be guaranteed (100% replacement) for a minimum of one (1) year from the date of project completion. Perennials, groundcovers, and ornamental grasses shall be guaranteed for a minimum of one (1) growing season. Perennials, groundcovers, and ornamental grasses planted after September 15th shall be guaranteed through May 31st of the following year. Only one replacement per plant will be required during the warranty period, except for losses or replacements due to failure to comply with specified requirements. Watering and general ongoing maintenance instructions are to be supplied by the Landscape Contractor to the Owner upon completion of the project.

14. The Landscape Contractor is responsible for the watering and maintenance of all landscape areas for a period of 45 days after the substantial completion of the landscape installation. This shall include all trees, shrubs, evergreens, perennials, ornamental grasses, turf grass, no-mow grass, and native prairie seed mix / stormwater seed mix. Work also includes weeding, edging, mulching (only if required), fertilizing, trimming, sweeping up grass clippings, pruning and deadheading.

15. Project Completion: Landscape Contractor is responsible to conduct a final review of the project, upon completion, with the Landscape Architect, Client or Owner / Client Representative, and the General Contractor to answer questions, provide written care instructions for new plantings and turf, and insure that all specifications have been met.

# LANDSCAPE GENERAL NOTES

| PLANT KEY | QUANTITY | PLANT MATERIAL PROPOSED BOTANICAL NAME | COMMON NAME | CALIPER/HEIGHT SIZE | ROOT | SPECIFICATION / NOTES | PLANT SPACING | LANDSCAPE POINTS EACH | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| **Proposed Landscape Materials** | | | | | | | | | |
| **SHADE TREES (DECIDUOUS)** | | | | | | | | | |
| ABM | 4 | Acer xfreemanii 'Autumn Blaze' | Autumn Blaze Maple | 2.0" | B&B | Straight central leader, full and even crown. Prune only after planting | | 30 | 120 |
| CLH | 2 | Celtis occidentalis 'Chicagoland' | Chicagoland Hackberry | 2.0" | B&B | Straight central leader, full and even crown. Prune only after planting | | 30 | 60 |
| SHL | 1 | Gleditsia triacanthos 'Skyline' | Skyline Honeylocust | 2.0" | B&B | Straight central leader, full and even crown. Prune only after planting | | 30 | 30 |
| SWO | 4 | Quercus bicolor | Swamp White Oak | 2.0" | B&B | Straight central leader, full and even crown. Prune only after planting | | 30 | 120 |
| VFE | 4 | Ulmus americana 'Valley Forge' | Valley Forge American Elm | 2.0" | B&B | Straight central leader, full and even crown. Prune only after planting | | 30 | 120 |
| | | | | | | | ***Total Points Proposed*** | | ***450*** |

| PLANT KEY | QUANTITY | PLANT MATERIAL PROPOSED BOTANICAL NAME | COMMON NAME | HEIGHT SIZE | ROOT | SPECIFICATION / NOTES | PLANT SPACING | LANDSCAPE POINTS EACH | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| **ORNAMENTAL TREES (DECIDUOUS)** | | | | | | | | | |
| AFC | 1 | Malus x 'Adams' | Adams Flowering Crabapple | 6' H | B&B | Well balanced multi-stemmed tree with minimum four canes, and full appearance | | 10 | 10 |
| | | | | | | | ***Total Points Proposed*** | | ***10*** |

| PLANT KEY | QUANTITY | PLANT MATERIAL PROPOSED BOTANICAL NAME | COMMON NAME | HEIGHT SIZE | ROOT | SPECIFICATION / NOTES | PLANT SPACING | LANDSCAPE POINTS EACH | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| **EVERGREEN TREES** | | | | | | | | | |
| FVJ | 15 | Juniperus scopulorum 'Fairview' | Fairview Upright Juniper (upright) | 5' H | B&B | Evenly shaped tree with branching to the ground | 60" | 12 | 180 |
| NS | 2 | Picea abies | Norway Spruce | 6' H | B&B | Evenly shaped tree with branching to the ground | 17' | 40 | 80 |
| | | | | | | | ***Total Points Proposed*** | | ***260*** |

| PLANT KEY | QUANTITY | PLANT MATERIAL PROPOSED BOTANICAL NAME | COMMON NAME | SHRUB SIZE (HEIGHT) | ROOT/ CONT. | SPECIFICATION / NOTES | PLANT SPACING | LANDSCAPE POINTS EACH | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| **EVERGREEN SHRUBS** | | | | | | | | | |
| GMB | 3 | Buxus 'Green Mountain' | Green Mountain Boxwood | 24" | B&B | Full rounded well branched shrub | 24" | 3 | 9 |
| GVB | 7 | Buxus 'Green Velvet' | Green Velvet Boxwood | 18" | Cont. | Full rounded well branched shrub | 24-30" | 3 | 21 |
| SGJ | 4 | Juniperus chinensis 'Sea Green' | Sea Green Juniper | #5 | Cont. | Full rounded well branched shrub | 54" | 5 | 20 |
| | | | | | | | ***Total Points Proposed*** | | ***50*** |

| PLANT KEY | QUANTITY | PLANT MATERIAL PROPOSED BOTANICAL NAME | COMMON NAME | SHRUB SIZE (HEIGHT) | ROOT/ CONT. | SPECIFICATION / NOTES | PLANT SPACING | LANDSCAPE POINTS EACH | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| **DECIDUOUS SHRUBS** | | | | | | | | | |
| IH | 9 | Hydrangea arborescens 'Abetwo' | Incrediball Hydrangea | #5 | Cont. | Full, well rooted plant, evenly shaped | 48" | 1 | 9 |
| LQFH | 4 | Hydrangea paniculata 'SMPHLQF' | Little Quick Fire Hydrangea | #5 | Cont. | Full, well rooted plant, evenly shaped | 60" | 1 | 4 |
| LPS | 8 | Spirea japonica 'Little Princess' | Little Princess Spirea | #3 | Cont. | Full, well rooted plant, evenly shaped | 30" | 1 | 8 |
| GMS | 8 | Spirea xbumalda 'Goldmound' | Goldmound Spirea | 24" | Cont. | Full, well rooted plant, evenly shaped | 36" | 1 | 8 |
| MV | 5 | Viburnum lantana 'Mohican' | Mohican Viburnum | 42" | B&B | Full, well rounded plant with moist rootball and healthy appearance | 60" | 5 | 25 |
| SBW | 12 | Weigela florida 'Sonic Bloom' | Sonic Bloom Weigela | 24" | Cont. | Full, well rooted plant, evenly shaped | 42" | 1 | 12 |
| | | | | | | | ***Total Points Proposed*** | | ***66*** |
| | | | | | | | ***Total Points Proposed (all plantings):*** | | ***836*** |

| PLAN KEY | QUANTITY | PLANT MATERIAL PROPOSED SPECIFIED SEED MIX / SOD | CONTAINER SIZE | | SPECIFICATION / NOTES | PLANT SPACING |
|---|---|---|---|---|---|---|
| LAWN | 4049 | Lawn Establishment Area / Grading Area | | SY | Reinder's Deluxe 50 Seed Mix (800-785-3301) | |
| | 36437 | Erosion Matting for sloped lawn areas | *see plan for area delineation* | SF | EroTex DS75 Erosion Control Blanket (or approved equal) | |
| **Hardscape Materials** | | | | | | |
| | 18 | Shredded Hardwood Mulch (3" depth) | *Area: 1,925 SF* | CY | Bark Mulch; apply Preemergent after installation of mulch | |
| | 12 | Soil Amendments (2" depth) | *Area: 1,925 SF* | CY | | |
| | 112 | Pulverized Topsoil (Lawn Area) | *Area: 36,440 SF* | CY | | |
| | 12 | Pulverized Topsoil (2" over bed areas) | *Area: 1,925 SF* | CY | | |
| | | Downspout Extentions | *determine at time of installation* | LF | | |
| | | Downspout Adapters | *determine at time of installation* | EA | | |

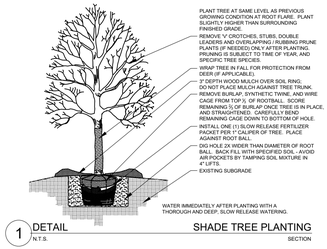
*Landscape counts & quantities are provided as a service to the Landscape Contractor; Landscape Contractor is responsible for verifying these counts and quantities in order to provide a complete landscape installation as outlined on this Landscape Master Plan. In the event that a discrepancy occurs between this schedule and the Landscape Master Plan, the Landscape Master Plan- including the graphics and notations depicted therein- shall govern.

**Seed Compositions:**

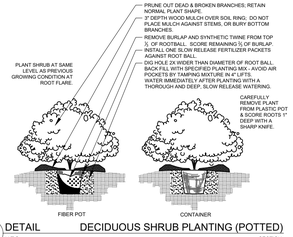
Reinder's Deluxe 50 Seed Mix (800-785-3301): Seed at rate of 150-200# per acre

20% Kentucky Bluegrass (Sod Quality)
15% Newport Kentucky Bluegrass
15% Ken Blue Kentucky Bluegrass
25% Creeping Red Fescue
15% Quebec Perennial Ryegrass
10% Fiesta III Perennial Ryegrass

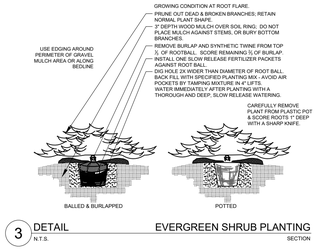
# PLANT & MATERIAL SCHEDULE



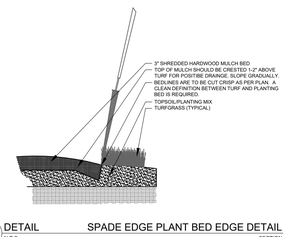

1 DETAIL SHADE TREE PLANTING
N.T.S. SECTION



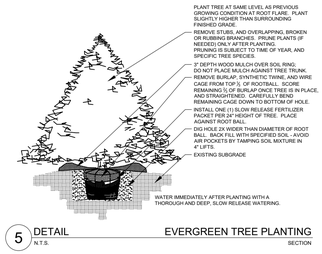

2 DETAIL DECIDUOUS SHRUB PLANTING (POTTED)
N.T.S. SECTION



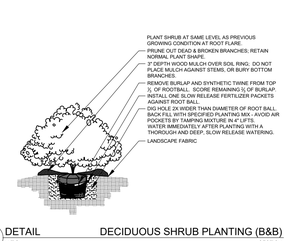

3 DETAIL EVERGREEN SHRUB PLANTING
N.T.S. SECTION



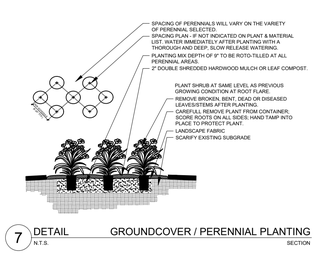

4 DETAIL SPADE EDGE PLANT BED EDGE DETAIL
N.T.S. SECTION



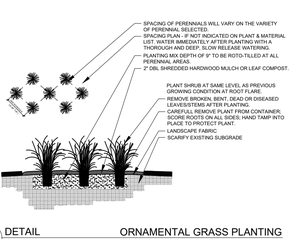

5 DETAIL EVERGREEN TREE PLANTING
N.T.S. SECTION




6 DETAIL DECIDUOUS SHRUB PLANTING (B&B)
N.T.S. SECTION




7 DETAIL GROUNDCOVER / PERENNIAL PLANTING
N.T.S. SECTION




8 DETAIL ORNAMENTAL GRASS PLANTING
N.T.S. SECTION

# PLANTING & HARDSCAPE DETAILS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| DATE | DESCRIPTION |
|---|---|
| 8.08.24 | FIRST ISSUE |
| 4.17.25 | REV. SITE PLAN |

Information contained herein is based on survey information, field inspection, and believed to be accurate.

SHEET TITLE

# LANDSCAPE DETAILS, NOTES & SCHEDULES

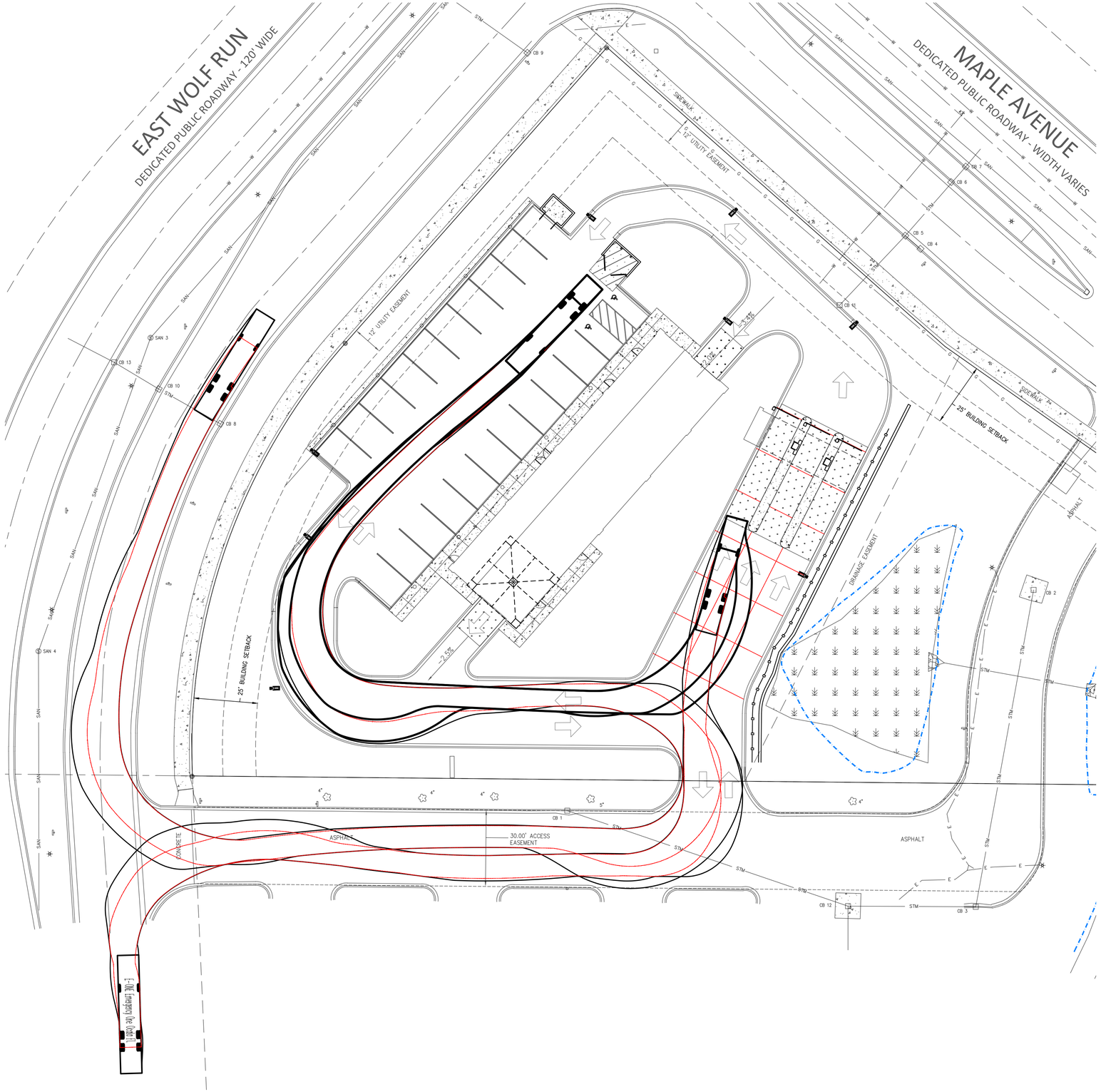
PROJECT MANAGER WDH

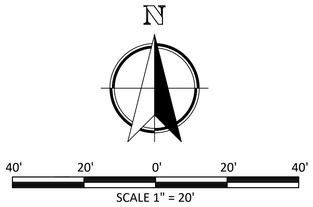
PROJECT NUMBER 24-038

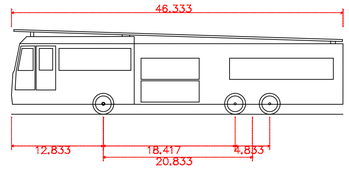
DATE 04.17.25

SHEET NUMBER

L 1.3




E-ONE Emergency One Ocala FL

| | |
|---|---|
| Overall Length | 46.333ft |
| Overall Width | 8.333ft |
| Overall Body Height | 11.833ft |
| Min Body Ground Clearance | 1.393ft |
| Track Width | 8.333ft |
| Lock-to-lock time | 6.00s |
| Max Wheel Angle | 45.00° |

Nielsen Madsen + Barber
CIVIL ENGINEERS AND LAND SURVEYORS
1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net

# TSUNAMI EXPRESS CAR WASH
FIRE TRUCK TURNING MOVEMENT - WB-50
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|
| | | | |

| | |
|---|---|
| PROJ. MGR: | MRM |
| DRAFTED: | JWR |
| DATE: | 4-7-2025 |
| CHECKED: | ALJ |
| DATE: | 4-7-2025 |

2024.0060.01

SHEET
EVTE-1

Monday, April 07, 2025 7:54:03 AM

# STORM WATER MANAGEMENT PLAN

FOR

## TSUNAMI EXPRESS CAR WASH

Village of Mukwonago, Waukesha County, Wisconsin

August 9, 2024
Revised: April 11, 2025

PREPARED FOR:
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# STORM WATER MANAGEMENT PLAN

**FOR**

## Tsunami Express Car Wash

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1. Introduction
2. Method of Analysis
3. Pre-Developed Conditions
4. Post-Developed Conditions
5. Storm Water Quality and Quantity
6. Routing Data
7. Conclusion

Appendix A
- Soil Map

Appendix B
- WinSLAMM Water Quality Analysis

Appendix C
- HydroCAD Routing Details

Appendix D
- Storm Sewer Drainage Area Map and Calculations (STM-1)

Appendix E
- Post-Developed Conditions Map (DEV-1)

## INTRODUCTION

Nielsen Madsen + Barber (NMB) was retained by The Redmond Company to prepare site grading, drainage, paving, utility, and a Storm Water Management Plan for the proposed Tsunami Express Car Wash located south of the intersection of East Wolf Run and Maple Avenue in the Village of Mukwonago, Waukesha County, Wisconsin.

The proposed improvements include the car wash and associated driveway and parking areas, landscaping, and storm water management facilities.

The proposed project will disturb approximately 1.44 acres and increase the impervious area by about 0.7 acres requiring the project to meet the Village of Mukwonago's storm water quality and peak discharge requirements, which includes storm water runoff management as required by the Wisconsin Department of Natural Resources (WDNR) Chapter NR 151 of the State of Wisconsin Administrative Code. The peak discharge control requirements are met by a regional storm water basin at the end of East Wolf Run.

To address the water quality requirements, an underground detention and water quality system (WQS) has been designed to serve the site.

## METHOD OF ANALYSIS

The method used for this storm water analysis was the United States Department of Agriculture, Natural Resources Conservation Service, Urban Hydrology for Small Watersheds, Technical Release No. 55 (TR-55). The specific software is HydroCAD V10, as produced by HydroCAD Software Solutions, LLC. In running this model, NMB determined runoff curve numbers (CN) and times of concentration (Tc) for the individual drainage areas. This information was then used to generate storm hydrographs and peak discharge rates. In addition, WinSLAMM V10.5, as produced by PV and Associates, LLC., was utilized to analyze the water quality of the post-developed runoff.

## PRE - DEVELOPED CONDITIONS

Pre-Developed conditions at the site consist of grassed and wetland areas. Since the peak discharges requirements are met by a regional storm water basin, an existing conditions, or pre-developed conditions, model was not prepared.

## POST - DEVELOPED CONDITIONS

Post-Developed conditions at the site will consist of a building, pavement areas, and grassed areas. An underground WQS has been designed to meet the water quality requirements for the site.

A storm sewer system has been designed to accommodate runoff from the 10-year storm. Calculations for the storm sewer sizing can be found in Appendix "D" of this report.

A Post-Developed Conditions map can be found in Appendix "E" of this report.

The post-developed drainage area is further described as follows:

**DEV-1** (Area tributary to the proposed underground WQS)

Sub-basin DEV-1 totals 1.171 acres and consists of roof, pavement and grassed areas tributary to the proposed underground WQS that discharges to the existing Maple Avenue storm sewer.

**STORM WATER QUALITY AND QUANTITY**

The Village of Mukwonago has established stormwater quality and peak discharge requirements in its Stormwater Management Ordinance. Water quality management standards are as required by WDNR Chapter NR 151.

Due to the increase in impervious surface of about 0.7 acres and a total disturbed area of approximately 1.44 acres, the proposed Tsunami Express Car Wash development will be required to follow the stormwater runoff management requirements established by the Village of Mukwonago and WDNR Chapter NR 151 which apply as follows:

**Soil Data and Infiltration:** Existing soils have been reviewed using the Web Soil Survey developed by the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS). The Web Soil Survey indicates Brookston silt loam, Griswold silt loam, and Kane silt loam throughout the site. From the WDNR Technical Standard 1002, "Site Evaluation for Stormwater Infiltration" silt loam is listed with a design infiltration rate of 0.13 inches/hour. This infiltration rate is less than the 0.6 inches/hour exemption threshold rate. A map of the existing soils on site is included in Appendix "A".

**Total Suspended Solids Load Reduction**: The Village of Mukwonago and WDNR Chapter NR 151 require an 80% reduction of the Total Suspended Solids (TSS) load for new developments. An underground WQS has been designed to treat runoff from the site.

The WQS consists of 170 linear feet of 108" corrugated metal pipe (CMP) enclosed on both ends with a designed outlet control structure. The outlet control structure is a multi-stage device with an orifice and weir opening and requires an additional four (4) linear feet of 108" CMP that was not included in calculations for a total system length of 174 linear feet. The discharge from this device will then enter a 15" PVC culvert that discharges to the existing Maple Avenue storm sewer system. The WQS is designed to have a 4.5' deep permanent wet pool which will act as a settling basin. The 'wet pond' control practice was used to model the WQS in accordance with WDNR and WinSLAMM guidance.

When these parameters were analyzed in WinSLAMM, the WQS was found to remove a total of 361.0 lbs of particulate solids from the DEV-1 area, resulting in a TSS reduction of 80.93% for the

1.171-acre site (DEV-1). In addition, the WQS removed 0.6806 lbs of total phosphorus from the DEV-1 area, resulting in a phosphorus reduction of 66.34%.

The proposed treatment system, as designed, meets the Village's and WDNR's treatment goals by achieving a TSS reduction of 80%. The WinSLAMM input data and output summaries can be found in Appendix "B" of this report.

**Peak Discharge Management:** The peak discharge control requirements are met by a regional storm water basin at the end of East Wolf Run.

Detailed routing information can be found in Appendix "C" of this report.

A summary of the proposed design is as follows:

**Proposed Water Quality System**

| | |
|---|---|
| Contributory Watershed: | 1.171 Acres (DEV-1) |
| System Design: | 170 LF – 108" CMP |
| Design Surface Area: | 1447 Square Feet |
| Normal Water Level (NWL): | 808.83 |
| Bottom of WQS: | 804.33 |
| Top of WQS: | 813.33 |
| High Water Mark (100-Year): | 811.83 |
| High Water Mark (10-Year): | 811.65 |
| High Water Mark (2-Year): | 811.43 |
| High Water Mark (1-Year): | 811.37 |
| Outlet Control: | 1-1.1" Orifice @ 808.83 |
| | 7.5' Sharp Crested Weir @ 811.33 |
| | 38'-15" PVC @ 0.53%, IE @ 808.83 |

Emergency Spillway Conditions:
A 100-year emergency spillway condition was routed for the proposed WQS assuming the 1.1" orifice was plugged and flow over the weir was the only available outflow for the system. The resultant routing indicates a peak discharge of 8.33 cfs and an elevation of 811.83.

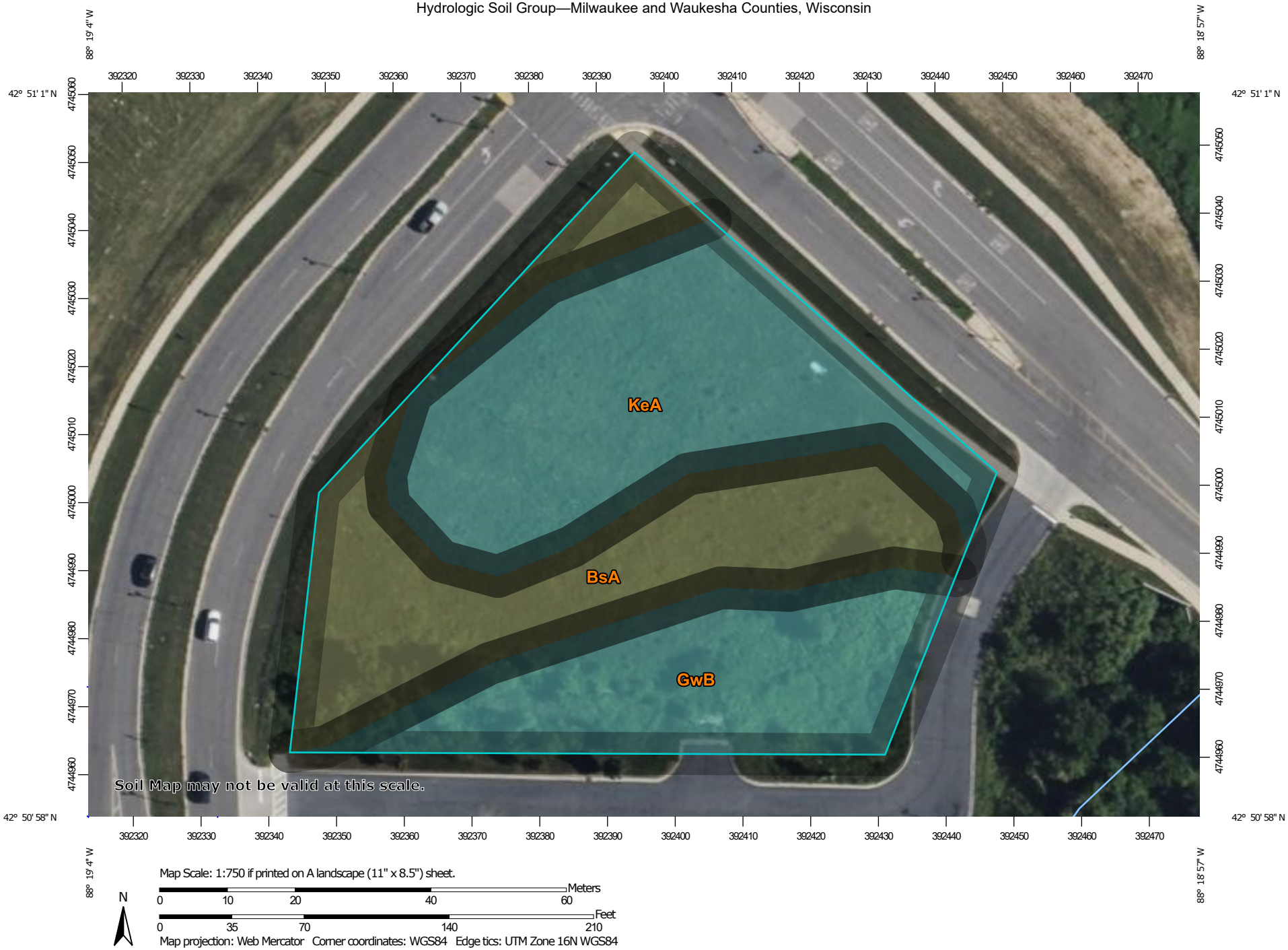
**ROUTING DATA**

| **WQS** | NWL | Peak Inflow | Peak Outflow | HWM | Storage Above NWL (Ac-ft) |
|---|---|---|---|---|---|
| 1-Yr. 24-Hour Storm | 808.83 | 2.51 cfs | 0.26 cfs | 811.37 | 0.084 |
| 2-Yr. 24-Hour Storm | 808.83 | 2.98 cfs | 0.81 cfs | 811.43 | 0.086 |
| 10-Yr. 24-Hour Storm | 808.83 | 4.75 cfs | 4.47 cfs | 811.65 | 0.092 |
| 100-Yr. 24-Hour Storm | 808.83 | 8.52 cfs | 8.32 cfs | 811.83 | 0.097 |

## CONCLUSION

By utilizing the proposed WQS, the Village of Mukwinago's and WDNR's water quality goals have been met reducing TSS loading by 80%, on an average annual basis.

# APPENDIX
# “A”


88° 19' 4" W
88° 18' 57" W
42° 51' 1" N
42° 50' 58" N
392320
392330
392340
392350
392360
392370
392380
392390
392400
392410
392420
392430
392440
392450
392460
392470
4745060
4745050
4745040
4745030
4745020
4745010
4745000
4744990
4744980
4744970
4744960
KeA
BsA
GwB
Soil Map may not be valid at this scale.
Map Scale: 1:750 if printed on A landscape (11" x 8.5") sheet.
N
Meters
0 10 20 40 60
Feet
0 35 70 140 210
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

## MAP LEGEND

**Area of Interest (AOI)**

- Area of Interest (AOI)

**Soils**

**Soil Rating Polygons**

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Soil Rating Lines**

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Soil Rating Points**

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**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.

# Hydrologic Soil Group

| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
|---|---|---|---|---|
| BsA | Brookston silt loam, 0 to 2 percent slopes | C/D | 0.5 | 35.7% |
| GwB | Griswold silt loam, mottled subsoil variant, 2 to 6 percent slopes | C | 0.4 | 25.4% |
| KeA | Kane silt loam, 1 to 3 percent slopes | C | 0.6 | 38.9% |
| **Totals for Area of Interest** | | | **1.5** | **100.0%** |

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff: None Specified*

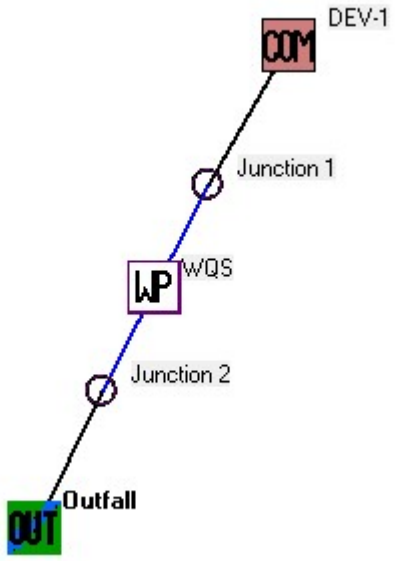
*Tie-break Rule:* Higher

# APPENDIX
# “B”

# Tsunami Express Car Wash

Water Quality Analysis

System Map




1458 Horizon Blvd, Suite 200, Racine, WI 53406
Ph: (262) 634-5588 * Fax: (262) 634-5024
www.nmbsc.net

Data file name: Z:\2024\2024.0060.01\Design Documents\Stormwater Management\WinSLAMM\2024.0060.01-WinSLAMM.mdb
WinSLAMM Version 10.5.0
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: 04-10-2025 Time: 07:23:33
Site information:

LU# 1 - Commercial: DEV-1 Total area (ac): 1.171
1 - Roofs 1: 0.117 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
13 - Paved Parking 1: 0.627 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 0.427 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

Control Practice 1: Wet Detention Pond CP# 1 (DS) - WQS
Particle Size Distribution file name: Not needed - calculated by program
Initial stage elevation (ft): 4.5
Peak to Average Flow Ratio: 3.8
Maximum flow allowed into pond (cfs): No maximum value entered
Outlet Characteristics:
Outlet type: Orifice 1
1. Orifice diameter (ft): 0.09
2. Number of orifices: 1
3. Invert elevation above datum (ft): 4.5
Outlet type: Broad Crested Weir
1. Weir crest length (ft): 7.48
2. Weir crest width (ft): 0.05
3. Height from datum to bottom of weir opening: 7
Pond stage and surface area

| Entry Number | Stage (ft) | Pond Area (acres) | Natural Seepage (in/hr) | Other Outflow (cfs) |
|---|---|---|---|---|
| 0 | 0.00 | 0.0000 | 0.00 | 0.00 |
| 1 | 0.01 | 0.0332 | 0.00 | 0.00 |
| 2 | 1.00 | 0.0332 | 0.00 | 0.00 |
| 3 | 2.00 | 0.0332 | 0.00 | 0.00 |
| 4 | 3.00 | 0.0332 | 0.00 | 0.00 |
| 5 | 4.00 | 0.0332 | 0.00 | 0.00 |
| 6 | 5.00 | 0.0332 | 0.00 | 0.00 |
| 7 | 6.00 | 0.0332 | 0.00 | 0.00 |
| 8 | 7.00 | 0.0332 | 0.00 | 0.00 |
| 9 | 8.00 | 0.0332 | 0.00 | 0.00 |
| 10 | 9.00 | 0.0332 | 0.00 | 0.00 |

SLAMM for Windows Version 10.5.0
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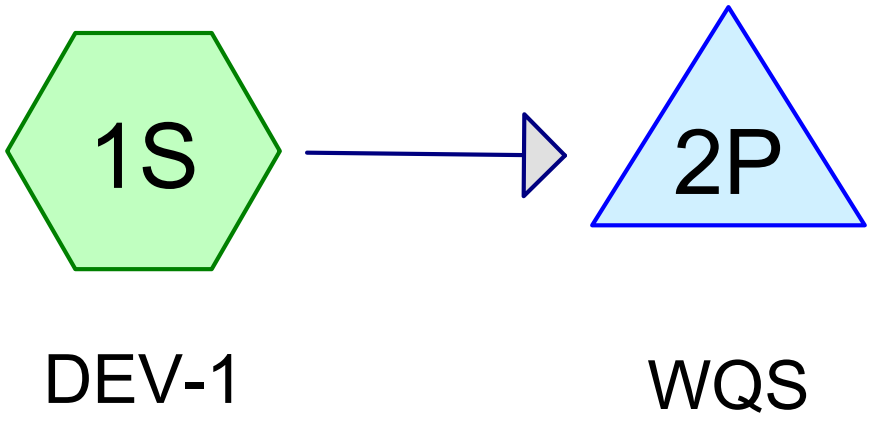
Data file name: Z:\2024\2024.0060.01\Design Documents\Stormwater Management\WinSLAMM\2024.0060.01-WinSLAMM.mdb
WinSLAMM Version 10.5.0
Rain file name: C:\WinSLAMM Files\Rain Files\WI Milwaukee 69.RAN
Particulate Solids Concentration file name: C:\WinSLAMM Files\v10.1 WI_AVG01.pscx
Runoff Coefficient 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: 04-10-2025 Time of run: 07:23:03
Total Area Modeled (acres): 1.171
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: | 61744 | - | 115.7 | 446.0 | - |
| Outfall Total with Controls: | 61767 | -0.04% | 22.05 | 85.03 | 80.93% |
| Annualized Total After Outfall Controls: | 62625 | | | 86.21 | |

| Pollutant | Conc. No Controls | Conc. With Controls | Conc. Units | Pollutant Yield No Controls | Pollutant Yield With Controls | Pol. Yield Units | Percent Reduction |
|---|---|---|---|---|---|---|---|
| Particulate Solids | 115.7 | 22.05 | mg/L | 446.0 | 85.03 | lbs | 80.93 % |
| Total Phosphorus | 0.2663 | 0.08958 | mg/L | 1.026 | 0.3454 | lbs | 66.34 % |

# APPENDIX
# "C"

# POST-DEVELOPED CONDITIONS




Subcat Reach Pond Link

**Routing Diagram for 2024.0060.01-Post-Developed**
Prepared by Nielsen Madsen & Barber, Printed 4/9/2025
HydroCAD® 10.20-5c s/n 10479 © 2023 HydroCAD Software Solutions LLC

## Rainfall Events Listing

| Event# | Event Name | Storm Type | Curve | Mode | Duration (hours) | B/B | Depth (inches) | AMC |
|---|---|---|---|---|---|---|---|---|
| 1 | 1-yr | MSE 24-hr | 3 | Default | 24.00 | 1 | 2.40 | 2 |
| 2 | 2-yr | MSE 24-hr | 3 | Default | 24.00 | 1 | 2.70 | 2 |
| 3 | 10-yr | MSE 24-hr | 3 | Default | 24.00 | 1 | 3.81 | 2 |
| 4 | 100-yr | MSE 24-hr | 3 | Default | 24.00 | 1 | 6.18 | 2 |

## Area Listing (all nodes)

| Area (acres) | CN | Description (subcatchment-numbers) |
|---|---|---|
| 0.427 | 74 | >75% Grass cover, Good, HSG C (1S) |
| 0.627 | 98 | Pavement (1S) |
| 0.117 | 98 | Roofs (1S) |
| **1.171** | **89** | **TOTAL AREA** |

Time span=0.00-72.00 hrs, dt=0.03 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment 1S: DEV-1** Runoff Area=1.171 ac 63.54% Impervious Runoff Depth=1.37"
Flow Length=299' Tc=9.6 min CN=89 Runoff=2.51 cfs 0.133 af

**Pond 2P: WQS** Peak Elev=811.37' Storage=0.208 af Inflow=2.51 cfs 0.133 af
Outflow=0.26 cfs 0.133 af

**Total Runoff Area = 1.171 ac Runoff Volume = 0.133 af Average Runoff Depth = 1.37"**
**36.46% Pervious = 0.427 ac 63.54% Impervious = 0.744 ac**

## Summary for Subcatchment 1S: DEV-1

Runoff = 2.51 cfs @ 12.17 hrs, Volume= 0.133 af, Depth= 1.37"
Routed to Pond 2P : WQS

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
MSE 24-hr 3 1-yr Rainfall=2.40"

| | Area (ac) | CN | Description |
|---|---|---|---|
| * | 0.117 | 98 | Roofs |
| * | 0.627 | 98 | Pavement |
| | 0.427 | 74 | >75% Grass cover, Good, HSG C |
| | 1.171 | 89 | Weighted Average |
| | 0.427 | | 36.46% Pervious Area |
| | 0.744 | | 63.54% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 8.1 | 37 | 0.0140 | 0.08 | | **Sheet Flow,** Grass: Dense n= 0.240 P2= 2.70" |
| 0.9 | 145 | 0.0160 | 2.57 | | **Shallow Concentrated Flow,** Paved Kv= 20.3 fps |
| 0.6 | 117 | 0.0040 | 3.39 | 2.66 | **Pipe Channel,** 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 PVC, smooth interior |
| 9.6 | 299 | Total | | | |

## Summary for Pond 2P: WQS

Inflow Area = 1.171 ac, 63.54% Impervious, Inflow Depth = 1.37" for 1-yr event
Inflow = 2.51 cfs @ 12.17 hrs, Volume= 0.133 af
Outflow = 0.26 cfs @ 12.89 hrs, Volume= 0.133 af, Atten= 90%, Lag= 42.8 min
Primary = 0.26 cfs @ 12.89 hrs, Volume= 0.133 af

Routing by Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
Starting Elev= 808.83' Surf.Area= 0.035 ac Storage= 0.124 af
Peak Elev= 811.37' @ 12.89 hrs Surf.Area= 0.029 ac Storage= 0.208 af (0.084 af above start)

Plug-Flow detention time= 2,580.1 min calculated for 0.009 af (7% of inflow)
Center-of-Mass det. time= 819.0 min ( 1,622.8 - 803.7 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 804.33' | 0.248 af | **108.0" Round CMP_Round 108"**<br>L= 170.0' |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 808.83' | **15.0" Round Culvert**<br>L= 38.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 808.83' / 808.63' S= 0.0053 '/' Cc= 0.900<br>n= 0.011 PVC, smooth interior, Flow Area= 1.23 sf |
| #2 | Device 1 | 808.83' | **1.1" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 811.33' | **7.5' long x 2.00' rise Sharp-Crested Rectangular Weir**<br>2 End Contraction(s) |

**Primary OutFlow** Max=0.21 cfs @ 12.89 hrs HW=811.37' (Free Discharge)
└**1=Culvert** (Passes 0.21 cfs of 8.17 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 7.60 fps)
  └**3=Sharp-Crested Rectangular Weir** (Weir Controls 0.16 cfs @ 0.61 fps)

Time span=0.00-72.00 hrs, dt=0.03 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment 1S: DEV-1** Runoff Area=1.171 ac 63.54% Impervious Runoff Depth=1.63"
Flow Length=299' Tc=9.6 min CN=89 Runoff=2.98 cfs 0.159 af

**Pond 2P: WQS** Peak Elev=811.43' Storage=0.210 af Inflow=2.98 cfs 0.159 af
Outflow=0.81 cfs 0.159 af

**Total Runoff Area = 1.171 ac Runoff Volume = 0.159 af Average Runoff Depth = 1.63"**
**36.46% Pervious = 0.427 ac 63.54% Impervious = 0.744 ac**

## Summary for Subcatchment 1S: DEV-1

Runoff = 2.98 cfs @ 12.17 hrs, Volume= 0.159 af, Depth= 1.63"
Routed to Pond 2P : WQS

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
MSE 24-hr 3 2-yr Rainfall=2.70"

| | Area (ac) | CN | Description |
|---|---|---|---|
| * | 0.117 | 98 | Roofs |
| * | 0.627 | 98 | Pavement |
| | 0.427 | 74 | >75% Grass cover, Good, HSG C |
| | 1.171 | 89 | Weighted Average |
| | 0.427 | | 36.46% Pervious Area |
| | 0.744 | | 63.54% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 8.1 | 37 | 0.0140 | 0.08 | | **Sheet Flow,** Grass: Dense n= 0.240 P2= 2.70" |
| 0.9 | 145 | 0.0160 | 2.57 | | **Shallow Concentrated Flow,** Paved Kv= 20.3 fps |
| 0.6 | 117 | 0.0040 | 3.39 | 2.66 | **Pipe Channel,** 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 PVC, smooth interior |
| 9.6 | 299 | Total | | | |

## Summary for Pond 2P: WQS

Inflow Area = 1.171 ac, 63.54% Impervious, Inflow Depth = 1.63" for 2-yr event
Inflow = 2.98 cfs @ 12.17 hrs, Volume= 0.159 af
Outflow = 0.81 cfs @ 12.46 hrs, Volume= 0.159 af, Atten= 73%, Lag= 17.0 min
Primary = 0.81 cfs @ 12.46 hrs, Volume= 0.159 af

Routing by Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
Starting Elev= 808.83' Surf.Area= 0.035 ac Storage= 0.124 af
Peak Elev= 811.43' @ 12.46 hrs Surf.Area= 0.029 ac Storage= 0.210 af (0.086 af above start)

Plug-Flow detention time= 1,994.2 min calculated for 0.035 af (22% of inflow)
Center-of-Mass det. time= 712.4 min ( 1,512.6 - 800.2 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 804.33' | 0.248 af | **108.0" Round CMP_Round 108"**<br>L= 170.0' |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 808.83' | **15.0" Round Culvert**<br>L= 38.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 808.83' / 808.63' S= 0.0053 '/' Cc= 0.900<br>n= 0.011 PVC, smooth interior, Flow Area= 1.23 sf |
| #2 | Device 1 | 808.83' | **1.1" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 811.33' | **7.5' long x 2.00' rise Sharp-Crested Rectangular Weir**<br>2 End Contraction(s) |

**Primary OutFlow** Max=0.77 cfs @ 12.46 hrs HW=811.43' (Free Discharge)
└**1=Culvert** (Passes 0.77 cfs of 8.29 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 7.69 fps)
  └**3=Sharp-Crested Rectangular Weir** (Weir Controls 0.72 cfs @ 1.01 fps)

Time span=0.00-72.00 hrs, dt=0.03 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment 1S: DEV-1** Runoff Area=1.171 ac 63.54% Impervious Runoff Depth=2.65"
Flow Length=299' Tc=9.6 min CN=89 Runoff=4.75 cfs 0.258 af

**Pond 2P: WQS** Peak Elev=811.65' Storage=0.216 af Inflow=4.75 cfs 0.258 af
Outflow=4.47 cfs 0.258 af

**Total Runoff Area = 1.171 ac Runoff Volume = 0.258 af Average Runoff Depth = 2.65"**
**36.46% Pervious = 0.427 ac 63.54% Impervious = 0.744 ac**

## Summary for Subcatchment 1S: DEV-1

Runoff = 4.75 cfs @ 12.17 hrs, Volume= 0.258 af, Depth= 2.65"
Routed to Pond 2P : WQS

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
MSE 24-hr 3 10-yr Rainfall=3.81"

| | Area (ac) | CN | Description |
|---|---|---|---|
| * | 0.117 | 98 | Roofs |
| * | 0.627 | 98 | Pavement |
| | 0.427 | 74 | >75% Grass cover, Good, HSG C |
| | 1.171 | 89 | Weighted Average |
| | 0.427 | | 36.46% Pervious Area |
| | 0.744 | | 63.54% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 8.1 | 37 | 0.0140 | 0.08 | | **Sheet Flow,** Grass: Dense n= 0.240 P2= 2.70" |
| 0.9 | 145 | 0.0160 | 2.57 | | **Shallow Concentrated Flow,** Paved Kv= 20.3 fps |
| 0.6 | 117 | 0.0040 | 3.39 | 2.66 | **Pipe Channel,** 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 PVC, smooth interior |
| 9.6 | 299 | Total | | | |

## Summary for Pond 2P: WQS

Inflow Area = 1.171 ac, 63.54% Impervious, Inflow Depth = 2.65" for 10-yr event
Inflow = 4.75 cfs @ 12.17 hrs, Volume= 0.258 af
Outflow = 4.47 cfs @ 12.21 hrs, Volume= 0.258 af, Atten= 6%, Lag= 2.5 min
Primary = 4.47 cfs @ 12.21 hrs, Volume= 0.258 af

Routing by Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
Starting Elev= 808.83' Surf.Area= 0.035 ac Storage= 0.124 af
Peak Elev= 811.65' @ 12.21 hrs Surf.Area= 0.027 ac Storage= 0.216 af (0.092 af above start)

Plug-Flow detention time= 1,029.6 min calculated for 0.134 af (52% of inflow)
Center-of-Mass det. time= 473.8 min ( 1,264.4 - 790.6 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 804.33' | 0.248 af | **108.0" Round CMP_Round 108"**<br>L= 170.0' |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 808.83' | **15.0" Round Culvert**<br>L= 38.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 808.83' / 808.63' S= 0.0053 '/' Cc= 0.900<br>n= 0.011 PVC, smooth interior, Flow Area= 1.23 sf |
| #2 | Device 1 | 808.83' | **1.1" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 811.33' | **7.5' long x 2.00' rise Sharp-Crested Rectangular Weir**<br>2 End Contraction(s) |

**Primary OutFlow** Max=4.41 cfs @ 12.21 hrs HW=811.65' (Free Discharge)
└**1=Culvert** (Passes 4.41 cfs of 8.75 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 8.02 fps)
  └**3=Sharp-Crested Rectangular Weir** (Weir Controls 4.35 cfs @ 1.84 fps)

Time span=0.00-72.00 hrs, dt=0.03 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment 1S: DEV-1** Runoff Area=1.171 ac 63.54% Impervious Runoff Depth=4.91"
Flow Length=299' Tc=9.6 min CN=89 Runoff=8.52 cfs 0.479 af

**Pond 2P: WQS** Peak Elev=811.83' Storage=0.221 af Inflow=8.52 cfs 0.479 af
Outflow=8.32 cfs 0.479 af

**Total Runoff Area = 1.171 ac Runoff Volume = 0.479 af Average Runoff Depth = 4.91"**
**36.46% Pervious = 0.427 ac 63.54% Impervious = 0.744 ac**

## Summary for Subcatchment 1S: DEV-1

Runoff = 8.52 cfs @ 12.17 hrs, Volume= 0.479 af, Depth= 4.91"
Routed to Pond 2P : WQS

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
MSE 24-hr 3 100-yr Rainfall=6.18"

| | Area (ac) | CN | Description |
|---|---|---|---|
| * | 0.117 | 98 | Roofs |
| * | 0.627 | 98 | Pavement |
| | 0.427 | 74 | >75% Grass cover, Good, HSG C |
| | 1.171 | 89 | Weighted Average |
| | 0.427 | | 36.46% Pervious Area |
| | 0.744 | | 63.54% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 8.1 | 37 | 0.0140 | 0.08 | | **Sheet Flow,** Grass: Dense n= 0.240 P2= 2.70" |
| 0.9 | 145 | 0.0160 | 2.57 | | **Shallow Concentrated Flow,** Paved Kv= 20.3 fps |
| 0.6 | 117 | 0.0040 | 3.39 | 2.66 | **Pipe Channel,** 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 PVC, smooth interior |
| 9.6 | 299 | Total | | | |

## Summary for Pond 2P: WQS

Inflow Area = 1.171 ac, 63.54% Impervious, Inflow Depth = 4.91" for 100-yr event
Inflow = 8.52 cfs @ 12.17 hrs, Volume= 0.479 af
Outflow = 8.32 cfs @ 12.18 hrs, Volume= 0.479 af, Atten= 2%, Lag= 0.9 min
Primary = 8.32 cfs @ 12.18 hrs, Volume= 0.479 af

Routing by Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
Starting Elev= 808.83' Surf.Area= 0.035 ac Storage= 0.124 af
Peak Elev= 811.83' @ 12.18 hrs Surf.Area= 0.026 ac Storage= 0.221 af (0.097 af above start)

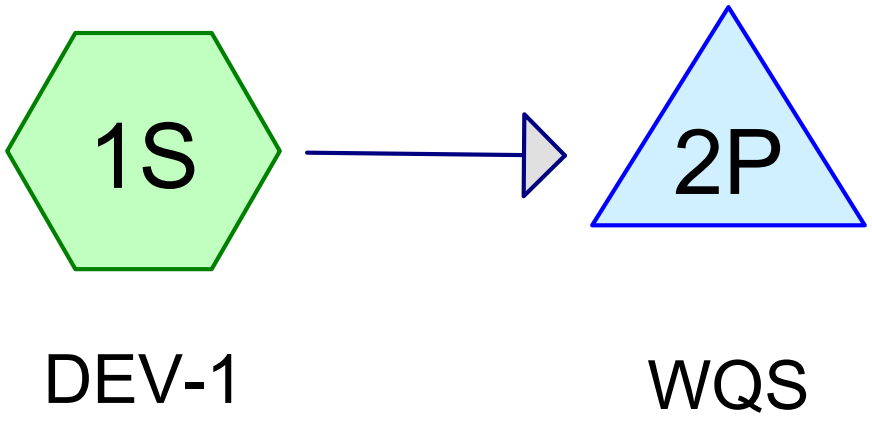
Plug-Flow detention time= 457.1 min calculated for 0.355 af (74% of inflow)
Center-of-Mass det. time= 275.8 min ( 1,054.2 - 778.3 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 804.33' | 0.248 af | **108.0" Round CMP_Round 108"**<br>L= 170.0' |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 808.83' | **15.0" Round Culvert**<br>L= 38.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 808.83' / 808.63' S= 0.0053 '/' Cc= 0.900<br>n= 0.011 PVC, smooth interior, Flow Area= 1.23 sf |
| #2 | Device 1 | 808.83' | **1.1" Vert. Orifice/Grate** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 811.33' | **7.5' long x 2.00' rise Sharp-Crested Rectangular Weir**<br>2 End Contraction(s) |

**Primary OutFlow** Max=8.57 cfs @ 12.18 hrs HW=811.83' (Free Discharge)
└**1=Culvert** (Passes 8.57 cfs of 9.10 cfs potential flow)
  ├**2=Orifice/Grate** (Orifice Controls 0.05 cfs @ 8.27 fps)
  └**3=Sharp-Crested Rectangular Weir** (Weir Controls 8.52 cfs @ 2.31 fps)

# POST-DEVELOPED CONDITIONS (EMERGENCY)




Subcat Reach Pond Link

**Routing Diagram for 2024.0060.01-Post-Developed-Emergency Spillway**
Prepared by Nielsen Madsen & Barber, Printed 4/9/2025
HydroCAD® 10.20-5c s/n 10479 © 2023 HydroCAD Software Solutions LLC

## Rainfall Events Listing (selected events)

| Event# | Event Name | Storm Type | Curve | Mode | Duration (hours) | B/B | Depth (inches) | AMC |
|---|---|---|---|---|---|---|---|---|
| 1 | 100-yr | MSE 24-hr | 3 | Default | 24.00 | 1 | 6.18 | 2 |

## Area Listing (all nodes)

| Area (acres) | CN | Description (subcatchment-numbers) |
|---|---|---|
| 0.427 | 74 | >75% Grass cover, Good, HSG C (1S) |
| 0.627 | 98 | Pavement (1S) |
| 0.117 | 98 | Roofs (1S) |
| **1.171** | **89** | **TOTAL AREA** |

Time span=0.00-72.00 hrs, dt=0.03 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment 1S: DEV-1** Runoff Area=1.171 ac 63.54% Impervious Runoff Depth=4.91"
Flow Length=299' Tc=9.6 min CN=89 Runoff=8.52 cfs 0.479 af

**Pond 2P: WQS** Peak Elev=811.83' Storage=0.221 af Inflow=8.52 cfs 0.479 af
Outflow=8.33 cfs 0.396 af

**Total Runoff Area = 1.171 ac Runoff Volume = 0.479 af Average Runoff Depth = 4.91"**
**36.46% Pervious = 0.427 ac 63.54% Impervious = 0.744 ac**

## Summary for Subcatchment 1S: DEV-1

Runoff = 8.52 cfs @ 12.17 hrs, Volume= 0.479 af, Depth= 4.91"
Routed to Pond 2P : WQS

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
MSE 24-hr 3 100-yr Rainfall=6.18"

| | Area (ac) | CN | Description |
|---|---|---|---|
| * | 0.117 | 98 | Roofs |
| * | 0.627 | 98 | Pavement |
| | 0.427 | 74 | >75% Grass cover, Good, HSG C |
| | 1.171 | 89 | Weighted Average |
| | 0.427 | | 36.46% Pervious Area |
| | 0.744 | | 63.54% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 8.1 | 37 | 0.0140 | 0.08 | | **Sheet Flow,** Grass: Dense n= 0.240 P2= 2.70" |
| 0.9 | 145 | 0.0160 | 2.57 | | **Shallow Concentrated Flow,** Paved Kv= 20.3 fps |
| 0.6 | 117 | 0.0040 | 3.39 | 2.66 | **Pipe Channel,** 12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.011 PVC, smooth interior |
| 9.6 | 299 | Total | | | |

## Summary for Pond 2P: WQS

Inflow Area = 1.171 ac, 63.54% Impervious, Inflow Depth = 4.91" for 100-yr event
Inflow = 8.52 cfs @ 12.17 hrs, Volume= 0.479 af
Outflow = 8.33 cfs @ 12.18 hrs, Volume= 0.396 af, Atten= 2%, Lag= 0.9 min
Primary = 8.33 cfs @ 12.18 hrs, Volume= 0.396 af

Routing by Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.03 hrs
Starting Elev= 808.83' Surf.Area= 0.035 ac Storage= 0.124 af
Peak Elev= 811.83' @ 12.18 hrs Surf.Area= 0.026 ac Storage= 0.221 af (0.097 af above start)

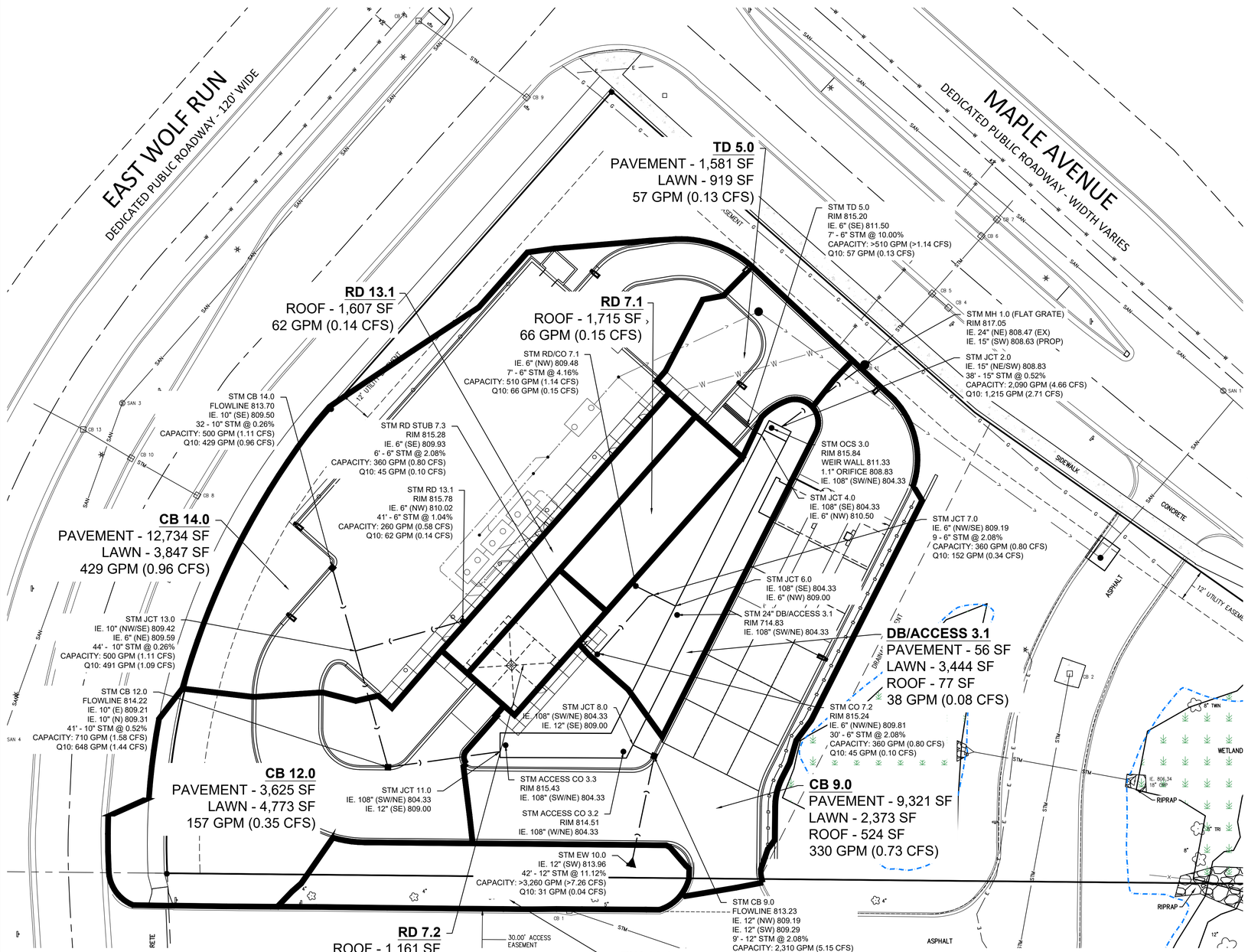
Plug-Flow detention time= 145.5 min calculated for 0.272 af (57% of inflow)
Center-of-Mass det. time= 30.5 min ( 808.9 - 778.3 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 804.33' | 0.248 af | **108.0" Round CMP_Round 108"**<br>L= 170.0' |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 808.83' | **15.0" Round Culvert**<br>L= 38.0' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 808.83' / 808.63' S= 0.0053 '/' Cc= 0.900<br>n= 0.011 PVC, smooth interior, Flow Area= 1.23 sf |
| #2 | Device 1 | 811.33' | **7.5' long x 2.00' rise Sharp-Crested Rectangular Weir**<br>2 End Contraction(s) |

**Primary OutFlow** Max=8.59 cfs @ 12.18 hrs HW=811.83' (Free Discharge)
└**1=Culvert** (Passes 8.59 cfs of 9.11 cfs potential flow)
└**2=Sharp-Crested Rectangular Weir** (Weir Controls 8.59 cfs @ 2.32 fps)

# APPENDIX
# “D”




## REFERENCES

MATERIALS FOR STORM SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (SPS) AND THE VILLAGE OF MUKWONAGO STANDARD CONSTRUCTION SPECIFICATIONS.

STORM SEWER CONSTRUCTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN", 6TH EDITION, DECEMBER 22, 2003 WITH ADDENDA NO. 1 AND NO. 2, HEREIN REFERRED TO AS THE "STANDARD SPECIFICATIONS" AND THE VILLAGE OF MUKWONAGO STANDARD CONSTRUCTION SPECIFICATIONS.

## PUBLIC UTILITY NOTES

CABLE TV AND TELEPHONE SERVICE INSTALLATION TO BE COORDINATED WITH THE ELECTRICAL SERVICE.

ELECTRICAL SERVICE TO BE COORDINATED WITH WE ENERGIES. EXACT LOCATION OF THE SERVICE ENTRANCE / METER TO BE COORDINATED WITH WE ENERGIES, THE MECHANICAL DESIGNER AND THE ARCHITECT.

IF ANY VILLAGE OF MUKWONAGO OWNED UNDERGROUND ELECTRIC MAY NEED TO BE RELOCATED, THE OWNER/DEVELOPER TO PAY ALL COSTS FOR RELOCATION. CONSTRUCTION TO BE PERFORMED TO MEET THE VILLAGE OF MUKWONAGO STANDARD CONSTRUCTION SPECIFICATIONS. CONTACT THE VILLAGE OF MUKWONAGO ENGINEERING DIVISION TO SCHEDULE INSPECTION.

THE EXACT LOCATION OF THE SANITARY SEWER LATERAL, DOMESTIC WATER LINE, FIRE PROTECTION LEAD, NATURAL GAS SERVICE, ELECTRIC, AND PHONE LINES (AS THEY ENTER THE BUILDING) SHALL BE PER THE ARCHITECTURAL OR MECHANICAL DRAWINGS.

## UTILITY CONSTRUCTION GENERAL NOTES

CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS AND SIZES OF EXISTING SANITARY AND STORM SEWERS, WATER MAINS, GAS & ELECTRIC LINES OR OTHER UTILITIES PRIOR TO STARTING CONSTRUCTION. AS-BUILT (FIELD) DATA SHALL BE USED TO CHECK ALL PROPOSED UTILITY CROSSINGS FOR CONFLICTS.

CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE A MINIMUM OF 72 HOURS BEFORE THE START OF CONSTRUCTION TO IDENTIFY ADJACENT UNDERGROUND UTILITIES. THE LOCATION OF EXISTING PRIVATE UTILITIES MAY NOT BE SHOWN ON THE PLANS AND SHOULD BE LOCATED BY THE OWNER PRIOR TO CONSTRUCTION.

ANY WATER PUMPED FROM PITS, TRENCHES, WELLS OR PONDS SHALL BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGE OFF-SITE. PUMPING OPERATIONS SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061. PUMPED WATER CAN BE TREATED IN RETENTION BASINS, FILTER BAGS, STONE FILTERS OR BY OTHER WDNR APPROVED METHODS. QUALITY OF PUMPED WATER SHALL BE CONTINUOUSLY MONITORED DURING PUMPING OPERATIONS.

THE EXACT LOCATION OF ALL BUILDING LATERALS, ROOF DRAIN RISERS AND DOWNSPOUTS (IF APPLICABLE) SHALL BE PER THE ARCHITECTURAL OR MECHANICAL DRAWINGS.

## STORM SEWER SPECIFICATIONS

STORM SEWERS WERE SIZED IN ACCORDANCE WITH SPS TABLE 382.36-4 "MAXIMUM CAPACITY OF STORM WATER HORIZONTAL CONVEYANCE PIPING FOR CONCRETE, ASTM C76 AND ASTM C14". ANY MATERIAL APPROVED BY THE VILLAGE OF MUKWONAGO AND THE WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES MAY BE USED AT THE SLOPES AND SIZES DESIGNED.

STORM SEWER, ROOF DRAIN AND STORM BUILDING SEWER PIPE AND TUBING MATERIALS SHALL CONFORM TO SPS 384.30 OF THE WISCONSIN ADMINISTRATIVE CODE. REINFORCED CONCRETE PIPE (RCP) AND POLYVINYL CHLORIDE (PVC) MATERIALS SHALL BE SELECTED FROM TABLE 384.30-6. CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) PIPE MATERIAL (IF SELECTED) SHALL MEET THE REQUIREMENTS OF AASHTO M-252 FOR 4"-10" DIAMETER SIZES AND AASHTO M294 FOR 12"-48" DIAMETER SIZES.

BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE "STANDARD SPECIFICATIONS".

ALL STORM SEWERS INSTALLED IN EXISTING OR PROPOSED PAVED AREAS SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH TABLE 37, CHAPTER 8.43.4 OF THE "STANDARD SPECIFICATIONS". BACKFILL MATERIAL SHALL EXTEND A MINIMUM OF FIVE FEET (5') OUTSIDE OF THE PAVEMENT LIMITS. TRENCHES RUNNING PARALLEL TO AND LESS THAN FIVE FEET (5') FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE COMPACTED GRANULAR BACKFILL.

A 10-GAUGE TRACER WIRE SHALL BE INSTALLED THE ENTIRE LENGTH OF ALL PRIVATE STORM SEWERS, ROOF DRAINS AND STORM BUILDING SEWER LATERALS PER SPS 382.36(7)(d)10. THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE AT THE BUILDING WALL AND ALL OTHER SYSTEM LIMITS (FOR EACH SYSTEM INSTALLED) AND ENCLOSED IN A RISER BOX WITH "STORM" ON THE COVER.

ALL MANHOLES, CATCH BASINS AND/OR DRAIN BASINS INSTALLED IN PAVED SURFACES AND ACCEPTING RUNOFF SHALL BE FURNISHED WITH THE NEENAH FOUNDRY R-2080-D FRAME AND GRATE.

ALL MANHOLES, CATCH BASINS AND/OR DRAIN BASINS INSTALLED IN LAWN AREAS AND ACCEPTING RUNOFF SHALL BE FURNISHED WITH THE NEENAH FOUNDRY R-2560-EA BEEHIVE FRAME AND GRATE.

ALL MANHOLES, CATCH BASINS AND DRAIN BASINS SHALL BE FURNISHED WITH A MINIMUM 12" SUMP.

ALL STORM SEWERS, MANHOLES, CATCH BASINS AND/OR DRAIN BASINS SHALL BE CONSTRUCTED WITH WATER AND GAS TIGHT JOINTS IN CONFORMANCE WITH SPS 384.40.

## UTILITY LEGEND

- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY LATERAL
- EXISTING SANITARY SEWER
- PROPOSED WATER SERVICE
- EXISTING WATERMAIN

**PRIVATE STORM SEWER DESIGN CALCULATIONS**

| | Upstream Flow (GPM) | Pipe Inflow (GPM) | Total Flow (GPM) | Pipe Length (feet) | Min. Pipe Diameter (inches) | Min. Slope (%) | Design Pipe Diameter | Design Slope (%) | Design Pipe Capacity (CFS/GPM) |
|---|---|---|---|---|---|---|---|---|---|
| CB 14.0 - JCT 13.0 | 0 | 429 | 429 | 32 | 10" | 0.26% | 10" | 0.26% | 1.11 / 500 |
| RD 13.1 - JCT 13.0 | 0 | 62 | 62 | 41 | 6" | 0.26% | 6" | 1.04% | 0.58 / 260 |
| JCT 13.0 - CB 12.0 | 491 | 0 | 491 | 44 | 10" | 0.26% | 10" | 0.26% | 1.11 / 500 |
| CB 12.0 - JCT 11.0 (UDS) | 491 | 157 | 648 | 41 | 10" | 0.52% | 10" | 0.52% | 1.58 / 710 |
| | | | | | | | | | |
| EW 10.0 - CB 9.0 | 0 | 31 | 31 | 42 | 12" | 0.26% | 12" | 11.12% | >7.26 / >3,260 |
| CB 9.0 - JCT 8.0 (UDS) | 31 | 330 | 361 | 9 | 12" | 0.26% | 12" | 2.08% | 5.15 / 2,310 |
| | | | | | | | | | |
| RD 7.3 - CO 7.2 | 0 | 45 | 45 | 6 | 6" | 0.26% | 6" | 2.08% | 0.80 / 360 |
| CO 7.2 - JCT 7.0 | 45 | 0 | 45 | 30 | 6" | 0.26% | 6" | 2.08% | 0.80 / 360 |
| RD 7.1 - JCT 7.0 | 0 | 66 | 66 | 7 | 6" | 0.26% | 6" | 4.16% | 1.14 / 510 |
| JCT 7.0 - JCT 6.0 (UDS) | 111 | 0 | 111 | 9 | 6" | 0.26% | 6" | 2.08% | 0.80 / 360 |
| | | | | | | | | | |
| TD 5.0 - JCT 4.0 (UDS) | 0 | 57 | 57 | 7 | 6" | 0.26% | 6" | 10.00% | >1.14 / >510 |
| | | | | | | | | | |
| DB/ACCESS 3.1 (UDS) | 0 | 38 | 38 | - | 108" | 0.00% | 108" | 0.00% | N/A |
| | | | | | | | | | |
| OCS 3.0 (UDS) - JCT 2.0 | 1215 | 0 | 1215 | - | 108" | 0.00% | 108" | 0.00% | N/A |
| JCT 2.0 - MH 1.0 | 1215 | 0 | 1215 | 38 | 15" | 0.26% | 15" | 0.52% | 4.66 / 2,090 |

DIGGERS HOTLINE
Call 811 or (800) 242-8511
www.DiggersHotline.com

## UTILITY NOTE

EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND / OR TO AVOID DAMAGE THERETO, CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.


Nielsen Madsen + Barber
CIVIL ENGINEERS AND LAND SURVEYORS
1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net


# TSUNAMI EXPRESS CAR WASH
STORM SEWER & DRAINAGE PLAN
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|

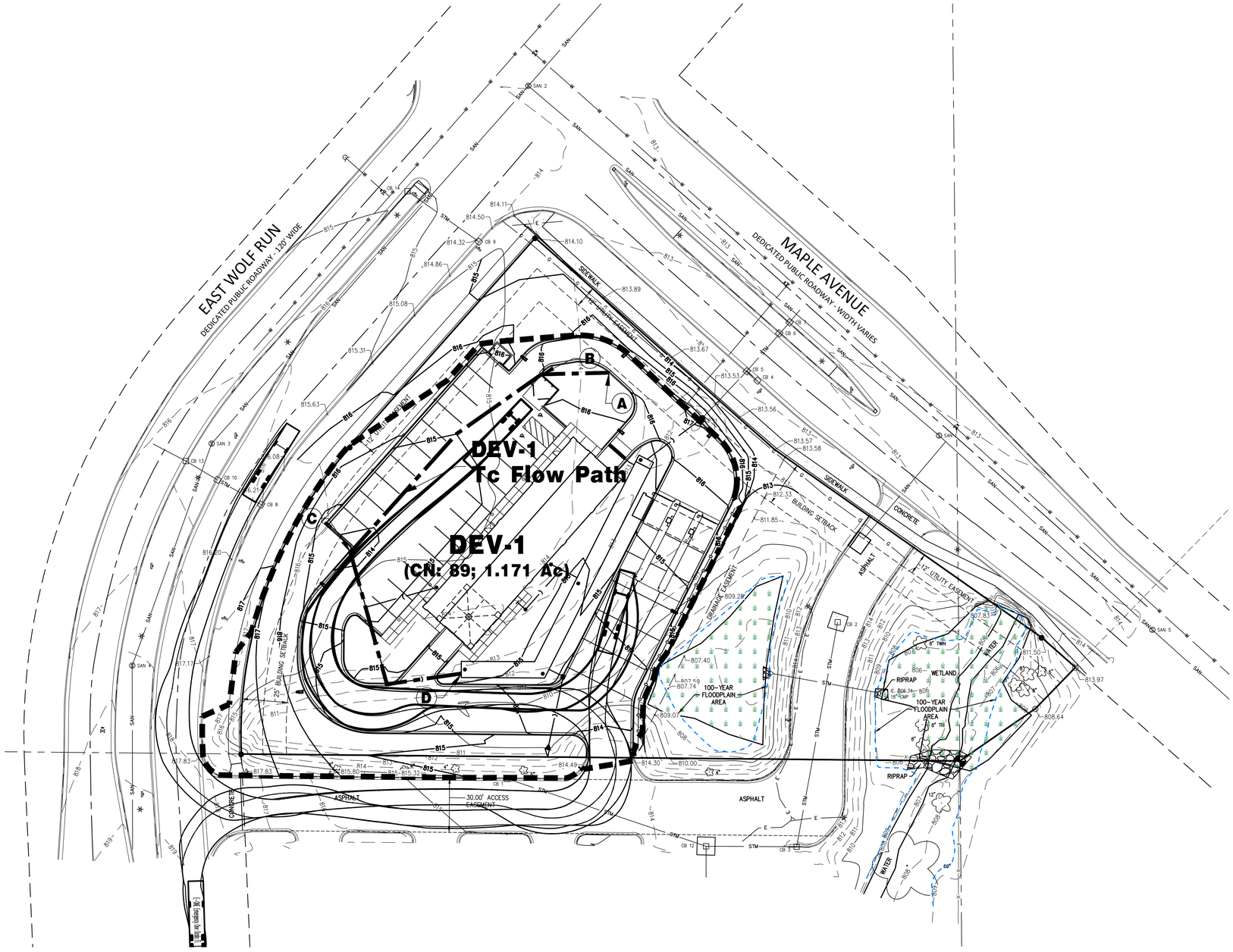
PROJ. MGR: JJC
DRAFTED: JWR
DATE: 4-3-2025
CHECKED: ALJ
DATE: 4-4-2025

2024.0060.01

SHEET
STM-1

Thursday, April 10, 2025 1:07:16 PM

# APPENDIX
# “E”




N

60' 30' 0' 30' 60'

SCALE 1" = 30'

## LEGEND

- 692 — EXISTING CONTOURS
- —702— PROPOSED CONTOURS
- 604.88 EXISTING SPOT GRADES
- VERTICAL FACE, CURB & GUTTER
- REVERSE PAN, CURB & GUTTER
- POST-DEVELOPED DRAINAGE AREA
- POST-DEVELOPED TC FLOW PATH

DIGGERS HOTLINE
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Nielsen Madsen + Barber
CIVIL ENGINEERS AND LAND SURVEYORS
1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net

# TSUNAMI EXPRESS CAR WASH
POST-DEVELOPED DRAINAGE EXHIBIT
FOR
TSUNAMI CAR WASH INTERMEDIATE HOLDCO, LLC
VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|
| | | | |

| | |
|---|---|
| PROJ. MGR: | JJC |
| DRAFTED: | JWR |
| DATE: | 4-4-2025 |
| CHECKED: | JAM |
| DATE: | 4-9-2025 |

2024.0060.01

SHEET
DEV-1

Thursday, April 10, 2025 7:49:22 AM

**RESOLUTION 2025-09**

**Village of Mukwonago Order Granting a Conditional Use and Prescribing Conditions for a Middle School Expansion on Parcel MUKV1964992, Mukwonago, WI**

WHEREAS, VILLAGE OF MUKWONAGO (hereinafter "property owner") owns the property identified MUKV1964992 (hereinafter "subject property") in the Village of Mukwonago, more particularly described as follows:

PT SE1/4 SEC 23 T5N R18E :: ALSO PT SE1/4 & SW1/4 SEC 23 T5N R18E :: ALSO PT SW1/4SE1/4 SEC 23 T5N R18E; COM S1/4 COR; W 319.4 FT; N20°36'W 954.4 FT; S87°E 1615.7 FT; S 809.4 FT; W 968.8 FT TO BGN :: ALSO DIVISION ST ADJ LOT 1 BLK 1 CRAIGS ADD :: EX W 16 FT :: EX DOC# 2672831 :: EX COM SW COR SE1/4 SEC 23; N00°09'08"W 826.12 FT TO SLY R/W CTH NN; S86°33'17"E 452.05 FT THE BGN; S86°33'17"E 713.33 FT; S86°48'39"E 486.28 FT TO WLY R/W LI CLARENDON AVE; S00°02'32"E 44.66 FT; N54°32'08"W 61.03 FT; N86°48'39"W 300.00 FT; N03°11'21"E 5.00 FT; N86°48'39"W 137.24 FT; N86°26'59"W 713.00 FT; N03°26'43"E 6.05 FT TO BGN :: VOL 514/143 DEEDS & VOL 663/303 DEEDS & R998/792

**Return to:**
Lana Kropf, Clerk-Treasurer
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

**Parcel Number:** MUKV1964992

WHEREAS, the property owner has, consistent with the Village of Mukwonago's zoning regulations, submitted a conditional use application for the expansion of an existing Middle School 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 13, 2025, 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.

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 building expansion of an existing Middle School.

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.
b. 25-FT pavement setback shall be maintained on all perimeters.
c. Max Principal Structure height shall not exceed 46-FT.

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 21st day of May, 2025.

BY THE VILLAGE BOARD OF THE VILLAGE OF MUKWONAGO

_____
Fred Winchowky, Village President

Attest:

_____
Lana Kropf, Village Clerk-Treasurer

STATE OF WISCONSIN, WAUKESHA COUNTY

Personally came before me this ____ day of _____ 2025, the persons described above, Fred Winchowky, Village President, and Lana Kropf, 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 _____, 2025.

_____
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 MUKWONAGO AREA SCHOOL DISTRICT accepts the terms stated herein.

Dated this _____ day of _____, 2025

_____
_____, agent

STATE OF WISCONSIN, WAUKESHA

Personally, came before me this ____ day of _____, 2025, 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.

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

# VILLAGE OF MUKWONAGO

## CONDITIONAL USE PERMIT APPLICATION

**Application Fee: $475**

Date Submitted: 04/02/2025 Complete, accurate and specific information must be entered. Please Print.

## CONTACTS

**Village Building**
Contact: Tim Rutenbeck, Supervisor of Inspection
Email: trutenbeck@villageofmukwonago.gov
Phone: (262) 363-6419 option 1

**Zoning and Planning Department**
Contact: Peter Gesch, Planner
Email: pgesch@ruekert-mielke.com
Phone: (262) 542-5733

## APPLICATION INFORMATION

Request: 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.

Meeting Dates: Plan Commission meets on the second Tuesday of each month at 6:30 p.m. A schedule of meeting dates can be found at our www.villageofmukwonago.gov

Application Deadlines: Applications deadlines are approximately 5 weeks prior to the scheduled meeting.

Public Hearing: Conditional use applications require a public hearing. To ensure the public hearing will be properly advertised, the application must be submitted **on the application deadline** to allow staff time to process and meet newspaper deadlines.

Application Completeness: Materials listed on page 3 must be provided to the Village of Mukwonago in accordance with Village Municipal Code Chapter 100-354 and other pertinent sections of Village ordinances, WI Stats. 62.23, and as necessary to permit review that is consistent with proper planning practice.

Pre-Application Meetings: 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.

Application Submission: Applications must be submitted Electronically through the Village on-line permit system. The system may be accessed through this link. Once you arrive to the site you will need to apply for a "Planning, Zoning, or Engineering Process". This link can be found on the left side of the screen under Building Department. The program will allow you search by the address, apply for a conditional use, input various information and upload documents.

Fees: Fees may be paid in one of three ways.

1. You may pay your fee online. After the application is submitted staff has received and reviewed the application an email will be sent to the applicant (email that is provided) letting you know that you can pay the fee online. There is a credit card fee associated with this option.
2. You may pay with cash or a check by mailing or brining the check to Village Hall. There is not a transaction fee associated with this option.
3. You may pay with a credit card at Village Hall during normal hours and in person. There is a transaction fee association with this option.

Paper Copies: Any Application that involves larger format copies (larger than 8 ½ x 11 ) shall have two copies of the application provided to the Village in printed form.
Paper Copies can be sent to: Village Planner, ATTN: Conditional Use Permits, 440 River Crest Ct Mukwonago, WI 53149

**APPLICANT IS REPRESENTED BY *(Full Legal Name)***

**Name:** Chris Eger
**Company:** Bray Architects
**Address:** 829 S. 1st Street **City:** Milwaukee **State:** WI **Zip:** 53204
**Daytime Phone:** 414-226-0200 **Fax:**
**E-Mail:** ceger@brayarch.com

**ARCHITECT**

**Name:** Chris Eger
**Company:** Bray Architects
**Address:** 829 S. 1st Street **City:** Milwaukee **State:** WI **Zip:** 53204
**Daytime Phone:** 414-226-0200 **Fax:**
**E-Mail:** ceger@brayarch.com

**PROFESSIONAL ENGINEER**

**Name:** Michael Froehlich, PE
**Company:** Kapur
**Address:** 788 N. Jefferson Street **City:** Milwaukee **State:** WI **Zip:** 53202
**Daytime Phone:** 414-751-7245 **Fax:**
**E-Mail:** mfroehlich@kapurinc.com

**REGISTERED SURVEYOR**

**Name:** Brian Sandberg
**Company:** Kapur
**Address:** 788 N. Jefferson Street **City:** Milwaukee **State:** WI **Zip:** 53202
**Daytime Phone:** **Fax:**
**E-Mail:** mfroehlich@kapurinc.com

**CONTRACTOR**

**Name:** Jasun Berka
**Company:** J.P. Cullen
**Address:** 104 E. Pleasant Street **City:** Milwaukee **State:** WI **Zip:** 53212
**Daytime Phone:** 414-988-0088 **Fax:**
**E-Mail:** jasun.berka@jpcullen.com

**PROPERTY AND PROJECT INFORMATION**

**Present Zoning:** P-1 **Tax Key No(s).:** MUKV 1964.992

**Address/Location:** 930 N. Rochester Street

A. I/We request a conditional use permit for:
Park View Middle School Addition and Renovation

B. The property is presently used as:
Public Middle School

C. Name of Architect, Professional Engineer, or Contractor: Bray Architects/ Kapur/ JP Cullen

D. Project Timetable: Start Date: 9/2025 Completion Date: 8/2026

E. All of the Proposed Use(s) of the property will be:

Principal Use Park View Middle School

Secondary Use N/A

Accessory Use N/A

F. I/We represent that I/we have a vested interest in this property in the following manner:

☒ Owner

❑ Leasehold. Length of Lease: _____

❑ Contractual. Nature of contract: _____

❑ Other. Please explain

## PROCEDURAL CHECKLIST FOR CONDITIONAL USE REVIEW AND APPROVAL

This form is designed to be a guide for submitting a complete application for a conditional use.

**Application Submittal Packet Requirements for Village and Applicant Use** (Check off List)

**Application:**

- ☒ Completed application form including the procedural checklist and justification of the proposed conditional use.
- ☒ Application fee: $475
- ☒ Agreement for Reimbursable Services (separate application)

**Required site drawings:**

- ☒ Survey of the property
- ☒ Landscape plan
- ☒ Parking plan (including parking computations)
- ☒ Lighting plan (including photo metrics)
- ☒ Proposed location and connection to the sanitary sewer and water mains
- ☒ Drainage plan (if applicable)
- ☒ All building elevations
- ☒ Floor plans

**Other Documents:**

- ☒ Plan of operation/proposal
- ☒ Overview of the adjoining lots (including list of parcel identification numbers and names and mailing addresses of the current owners for all properties within 300 feet of the subject property)
- ☒ **Electronic Submittals are required.** Email (or CD ROM) with all plans and submittal materials in Adobe PDF to trutenbeck@villageofmukwonago.gov.
- ❑ Any additional information as determined by Village staff

## 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 sheets 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?

Park View Middle School has already been a part of the community and the use and building type will not change.

B. How is the proposed conditional use, in its specific location, in harmony with the purposed, 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?

Park View Middle School has already been a part of the community and the use and building type will not change.

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 new site changes for the parking and for the onsite flow will add some vehicle traffic with the change to 6 thru 8th grade at the Middle School as opposed to just 7 and 8. However the entrances to the site will be better separated from each other and better separated from the main intersection at NN & 83. The TIA also suggests the addition of a light and a deceleration lane at the main drop off entrance at Hawks Ridge Drive which along with the area within the site will allow for less back-up onto NN.

---

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?

Park View Middle School has already been a part of the community and the use and building type will not change.

---

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 provided by public agencies serving the subject property?

The new building will require new water service and new electrical utilities however none of the new services will affect the surrounding area.

---

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 building type in itself as education, certainly outweighs any adverse traffic impacts the the site.

---

## 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

Andrew Wegner
Name & Title (PRINT)

4/02/2025
Date

Signature - Applicant

Chris Eger, AIA
Name & Title (PRINT)

4/02/2025
Date

Signature - Property Owner

Name & Title (PRINT)

Date

Signature – Applicant's Representative

Name & Title (PRINT)

Date

| FOR OFFICE USE ONLY | | | |
|---|---|---|---|
| **Date Paid** | **Receipt #** | **Date(s) Notice Published** | **Date Notices Mailed** |
| **Public Hearing Date** | **Plan Commission Date(s)** | **Village Board Date(s)** | **Resolution Number** |
| **Escrow Required?** ❑ Yes ❑No | | **Escrow Amount** | |
| **Plan Commission Disposition** | | | |
| **Village Board Disposition** | | | |

# VILLAGE OF MUKWONAGO

## SITE PLAN, ARCHITECTURAL, AND PLANNED UNIT DEVELOPMENT (PUD) APPLICATION

**Application Fee: Below**

Date Submitted: 4.01.2025

## FEES

*(Please check one)*

- ❑ Minor Site Plan (No Building): $160.00
- ☒ Major Site Plan; New Building/Addition (> 600 sq. ft.): $475.00 plus $.02 per sq. ft.
- ❑ Planned Unit Development (PUD) Review: $225.00 plus $50.00/unit
- ❑ Other (See Current Fee Schedule)_____

## CONTACTS

**Building Department**
Contact: Supervisor of Inspections
Tim Rutenbeck
Phone: (262) 363-6419 Option 1
Fax: (262) 363-6425
Email: trutenbeck@villageofmukwonago.gov

**Zoning and Planning**
Contact: Village Planner
Peter Gesch
Phone: (262) 542-5733
Fax: (262) 363-6425
Email: pgesch@ruekert-mielke.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<br>440 River Crest Ct<br>Mukwonago, WI 53149 |
| Deliver to: | Village Clerk's Office<br>440 River Crest Ct |
| Email to: | trutenbeck@villageofmukwonago.gov |

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

## APPLICANT *(Full Legal Name)*

**Name:** Andrew Wegner

**Company:** Mukwonago Area School District

**Address:** 385 E. Veterans Way **City:** Mukwonago **State:** WI **Zip:** 53149

**Daytime Phone:** 262-363-6300 Ext 24300 **Fax:**

**E-Mail:** wegnean@masd.k12.wi.us

**APPLICANT IS REPRESENTED BY *(Full Legal Name)***

**Name:** Chris Eger
**Company:** Bray Architects
**Address:** 829 S. 1st Street **City:** Milwaukee **State:** WI **Zip:** 53204
**Daytime Phone:** 414-226-0200 **Fax:**
**E-Mail:** ceger@brayarch.com

**ARCHITECT**

**Name:** Chris Eger
**Company:** Bray Architects
**Address:** 829 S. 1st Street **City:** Milwaukee **State:** WI **Zip:** 53204
**Daytime Phone:** 414-226-0200 **Fax:**
**E-Mail:** ceger@brayarch.com

**PROFESSIONAL ENGINEER**

**Name:** Michael Froehlich, PE
**Company:** Kapur
**Address:** 788 N. Jefferson Street **City:** Milwaukee **State:** WI **Zip:** 53202
**Daytime Phone:** 414-751-7245 **Fax:**
**E-Mail:** mfroehlich@kapurinc.com

**REGISTERED SURVEYOR**

**Name:** Brian Sandberg
**Company:** Kapur
**Address:** 788 N. Jefferson Street **City:** Milwaukee **State:** WI **Zip:** 53202
**Daytime Phone:** **Fax:**
**E-Mail:** mfroehlich@kapurinc.com

**CONTRACTOR**

**Name:** Jasun Berka
**Company:** J.P. Cullen
**Address:** 104 E. Pleasant Street **City:** Milwaukee **State:** WI **Zip:** 53212
**Daytime Phone:** 414-988-0088 **Fax:**
**E-Mail:** jasun.berka@jpcullen.com

## PROPERTY INFORMATION

**Property Owner (s)** *(if different from applicant)*: Mukwonago Area School District - Andrew Wegner

**Address:** 385 E. Veterans Way **City:** Mukwonago **State:** WI **Zip:** 53149

**Daytime Phone:** 262-363-6300 Ext 24300 **Fax:**

**E-Mail:** wegnean@masd.k12.wi.us

**Present Zoning:** P-1 - Public **Tax Key No(s).:** MUKV 1964.992

**Location/Address:** 930 N. Rochester Street

**Present Use:** Public Middle School **Intended Use:** Public Middle School

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

**Submittals for review must include and be accompanied by the following:**

**Application:**

- ☒ Completed application form including the procedural checklist.
- ☒ Application fee: See page 1.
- ☒ Agreement for Reimbursable Services (separate application).

**Other Documents:**

- ☒ One(1) complete set of Application and materials, in addition to the original, for Village of Mukwonago review.
- ☒ Project Summary: Please attach a statement detailing the reasons and background for this request including: details of proposal, services provided, wares sold, plans and hours of operation, number of employees, frequency of customer visits, frequency of deliveries to site, description of any interior/exterior modifications or additions to be made to property, any outside storage (dumpsters, trucks, materials…), number of parking stalls, screening/buffer type, any other information available. ***PLEASE EXPLAIN IN DETAIL.***
- ☒ **Electronic Submittals are required.** Email (or CD ROM) with all plans and submittal materials in Adobe PDF to trutenbeck@villageofmukwonago.gov .
- ☐ Any additional information as determined by Village staff.

- **Upon receipt of a complete submittal, staff review will be conducted within ten business days.**
- **All Site Plan, Architectural, and Planned Unit Development review requests require Plan Commission review and Village Board approval.**

## 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

Andrew Wegner

Name & Title (PRINT)

4/02/2025

Date

Signature - Applicant

Chris Eger, AIA

Name & Title (PRINT)

4/02/2025

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** | |

# **PVMS** site plan project summary

Mukwonago Area School District

## BRAY PROJECT NUMBER | 3526

| | |
|---|---|
| **Project Name** | Park View Middle School – MUKV 1964.992 |
| **Project Location** | 930 N. Rochester Street, Mukwonago WI 53149 |
| **Submittal Date** | April 2, 2025 |
| **Submittal** | Village of Mukwonago - Site Plan & Architectural Review/ Conditional Use |
| **Owner** | Mukwonago Area School District<br>Andrew Wegner – wegnean@masd.k12.wi.us<br>385 E. Veterans Way, Mukwonago WI 53149 |
| **Architect** | Bray Architects<br>Chris Eger, AIA – ceger@brayarch.com - 414-290-1986<br>829 S. 1st Street, Milwaukee, WI 53204 |
| **Civil Engineer** | Kapur and Associates<br>Michael Froehlich – mfroehlich@kapurinc.com - 414-659-8193<br>788 N. Jefferson Street, Milwaukee WI 53202 |
| **Electrical Engineer** | MSA Professional Services, Inc.<br>Dave Schulze – dschulze@msa-ps.com<br>116 Freemont Street, P.O. Box 235, Kiel, WI 53042 |
| **Construction Manager** | JP Cullen<br>Jasun Berka – jason.berka@jpcullen.com – 414-988-0088<br>104 E. Pleasant Street, Milwaukee WI 53212 |

**Project Description:**
This project includes the demolition of much of the existing Park View middle school building, renovation of the most recent portion of the existing building and a major addition to the East of the existing building for the Mukwonago Area School District as part of the successful November 2024 referendum supported by the community. The scope of site development will include new drive lanes and parking surrounding the remaining existing building and addition.

**Property:**
The property at 930 N. Rochester Street on the corner of HWY 83 and NN, is currently zoned as a P-1 Public and Semi-Public district and will require a conditional use permit. The project will disturb approximately 25 of the 37 acres on the parcel for the addition, stormwater areas and parking. Traffic Analysis and Design has completed a traffic impact analysis and is recommending an additional deceleration lane and traffic signal on Veterans Way (NN).

**Building:**

The addition to the existing Park View Middle School building will have an approximate footprint of 120,,000 square feet and will be comprised of one-story, two story and three story buildings. The building has been designed to align with the High School design. The third story will be 47 feet to the top of the parapet. There will be HVAC equipment screened to the West of the third story that will be above the 47 foot parapet, but will be screened by the building from the street.

The North elevation of the new addition will highlight the new cafeteria and main entrance which will both be double height two story areas with wood look and metal panel picture window surrounds with large amount of storefront window systems providing daylight and drawing attention to the spaces within. The main base material at both areas will be stone. For the rest of the building, the base material will be brick masonry veneer with some metal panel infill and storefront window openings. The athletic entrance will be a similar design as the main secure entrance and will also have a canopy and signage.

The materials for the project are warm and inviting and are meant to be a timeless skin that will stand the test of time.

All mechanical rooftop equipment will be screened from view either using proper placement behind buildings and parapets or with metal panel screening designed specifically to hide the equipment.

Typical school day hours of operation will be the same as the existing middle school where the school day currently starts at 7:30am and ends at 2:30pm. The building and site will be active on nights and weekends with various school groups, music events, and athletic practices and competitions.

| Building Areas | |
|---|---|
| Existing Middle School to remain = | 38,600 square feet |
| Addition to Middle School First Floor = | 118,250 square feet |
| Addition to Middle School Second & Third Floors = | 86,650 square feet |
| Total area of all buildings & additions = | 243,500 square feet |

**Site Plan:**

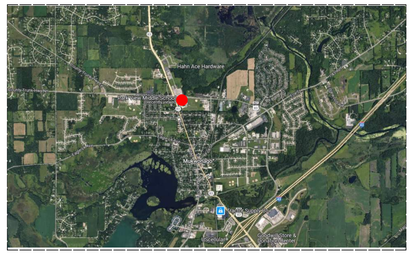
The site plan has been developed in response to the building addition which must be completed prior to the existing building being demolished. Therefore the addition has been placed in the only location that it can be. There will be new sidewalks added for safety to several new building entrances for students walking from the neighborhood. We have added bicycle racks to the West part of the building. The receiving area, generator, and transformer will be heavily screened with landscaping. Along with landscaping the trash area will be screened with a masonry enclosure with cedar doors. The existing pavilion on the site will be relocated to South of the addition. Outdoor athletics including a refinished track, new basketball hoops, and throwing and running events will be added to the South portion of the site as well. The district has asked for a design at the NorthWest corner of the site that allows for seating, flag poles, and views of the park to the West with a well-designed connection to the main intersection of NN and 83. There will also be a new ground mounted sign located at this intersection to replace the existing sign on Hwy 83. It will be designed as a digital sign on a masonry base.

A new drive and parking layout has been designed in two parts. They are separated at the North using gates and a large drop off area in order to keep parent drop-off and bus parking separate. The visitor parking and drop off lanes will be located at the North of the property near the main entrance and will be entered from a new mid-block traffic signal on Veterans Way (NN). There is an entrance and exit to the existing Clarendon Avenue elementary school parking lot to the East of the property. There is an athletic event and staff parking lot to the East and South of the new addition. The parking lot to the West will have bus parking and staff parking along with parking and an entrance for music events. The district is seeking an exemption/variance from the required parking count of 1 space per 2 students and 1 stall for each staff member. With a maximum enrollment of 1,200 students and 150 staff that would result in a requirement for 750 parking spaces. For the current school there would be a requirement for 461 spaces and there is currently enough parking for needs with only 236 spaces. The new lots will hold 482 parking spaces doubling the current amount, with fewer than double the amount of students and staff. Unlike at the High School, 6-8 grades do not require vehicle parking. We do provide bike parking near the bus entrance for anyone travelling from the neighborhood. The gymnasium at full spectator capacity would allow for 1300 people and along with the cafeteria which could be used for 400 additional seats simultaneously for a total of 1700 occupants for night events. That would equate to less than 4 occupants per car. There is also additional parking at Clarendon Elementary School. The district has provided overflow parking for the Field Park on the West side of the site. The site lighting in parking lots and along drives will be LED with cut-off fixtures that meet all Village of Mukwonago standards.

| | |
|---|---|
| Existing Park View Middle School Occupant Count | |
| Existing enrollment (7th & 8th) = | +/- 722 students |
| Projected teachers/staff = | +/- 100 teachers/staff |
| | |
| Existing PVMS Parking | |
| Middle School West Lot | 12 parking spaces |
| Middle School NorthWest Lot | 157 parking spaces |
| Middle School NorthEast Lot | 67 parking spaces |
| Total existing parking spaces | 236 parking spaces |
| | |
| New Park View Middle School Occupant Count | |
| Existing enrollment (6th thru 8th) = | +/- 1200 students |
| Projected teachers/staff = | +/- 150 teachers/staff |
| | |
| Proposed PVMS Parking | |
| Middle School North Lots | 88 parking spaces |
| Middle School South Lots | 118 parking spaces |
| Middle School West Lot | 169 parking spaces |
| Middle School East Lot | 107 parking spaces |
| Total proposed parking spaces | 482 parking spaces |

Landscaping will be provided throughout the development in compliance with landscaping requirements in the zoning ordinance. The south side next to the parking lot and neighborhood will include heavy tree screening.

**Schedule:**
An early site civil package and foundation bid package are anticipated to be issued in August for a September 2025 construction start. The balance of construction documents for the project are scheduled to be issued in November 2025. The district's construction manager, JP Cullen, is planning to complete the new building by February 2027 so that the students can move over from existing to new in March of 2027. The existing building will then be demolished, and the rest of the site will be completed by August 2027 for the start of the 2027-2028 school year.



RENOVATION AND ADDITION TO:

# Park View Middle School

Mukwonago Area School District
930 N Rochester St,
Mukwonago, WI 53149

PLAN COMMISSION SUBMITTAL

**4/2/2025**

## DRAWING INDEX

### DRAWING INDEX - PC

| | |
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| ARCHITECTURAL | |
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| PC2.1 | FIRST FLOOR |
| PC2.2 | SECOND FLOOR |
| PC2.3 | THIRD FLOOR |
| PC3.1 | OVERALL EXTERIOR ELEVATIONS |
| PC3.2 | OVERALL EXTERIOR ELEVATIONS |
| PC3.3 | UNIT A - EXTERIOR ELEVATIONS |
| PC3.4 | UNIT B - EXTERIOR ELEVATIONS |
| PC3.5 | UNIT C - EXTERIOR ELEVATIONS |
| PC3.6 | UNIT D - EXTERIOR ELEVATIONS |
| PC3.7 | UNIT E - EXTERIOR ELEVATIONS |
| PC3.8 | UNIT F - EXTERIOR ELEVATIONS |
| PC3.9 | EXTERIOR MATERIAL BOARD |
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| CIVIL | |
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| C1.13C | SITE DEMOLITION PLAN - AREA C |
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| C1.20 | OVERALL SITE LAYOUT PLAN |
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| C1.26F | SITE LAYOUT PLAN - AREA F |
| C1.30 | OVERALL SITE SIGNAGE & TRAFFIC CONTROL PLAN |
| C1.31A | SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA A |
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| C1.33C | SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA C |
| C1.34D | SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA D |
| C1.35E | SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA E |
| C1.36F | SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA F |
| C1.40 | OVERALL SITE GRADING PLAN |
| C1.41A | SITE GRADING PLAN - AREA A |
| C1.42B | SITE GRADING PLAN - AREA B |
| C1.43C | SITE GRADING PLAN - AREA C |
| C1.44D | SITE GRADING PLAN - AREA D |
| C1.45E | SITE GRADING PLAN - AREA E |
| C1.46F | SITE GRADING PLAN - AREA F |
| C1.50 | OVERALL SITE UTILITY PLAN |
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| C1.57G | SITE UTILITY PLAN - TABLES |
| C1.58H | SITE UTILITY PLAN - TABLES |
| C1.59I | PUBLIC WATER MAIN - PLAN & PROFILE |
| C1.60J | PUBLIC WATER MAIN - PLAN & PROFILE |
| C1.61K | PUBLIC WATER MAIN - PLAN & PROFILE |
| C1.70 | OVERALL SITE EROSION CONTROL PLAN |
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| C1.74D | SITE EROSION CONTROL PLAN - AREA D |
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| C1.76F | SITE EROSION CONTROL PLAN - AREA F |
| C2.10 | SITE EROSION CONTROL DETAILS |
| CL1.10 | OVERALL SITE LANDSCAPE PLAN |
| L1.11A | SITE LANDSCAPE PLAN - AREA A |
| L1.12B | SITE LANDSCAPE PLAN - AREA B |
| L1.13C | SITE LANDSCAPE PLAN - AREA C |
| L1.14D | SITE LANDSCAPE PLAN - AREA D |
| L1.15E | SITE LANDSCAPE PLAN - AREA E |
| L1.16F | SITE LANDSCAPE PLAN - AREA F |
| L2.10 | SITE LANDSCAPE DETAILS |
| L2.11 | SITE LANDSCAPE DETAILS |
| | |
| PCE1.0 | SITE PLAN - ELECTRICAL |
| PCE1.1 | SITE PLAN - LIGHTING PHOTOMETRIC |


Civil

**Kapur & Associates, Inc.**
7711 N. Port Washington Road
Milwaukee, Wisconsin 53217
(414) 751-7200

Landscape

**Kapur & Associates, Inc.**
7711 N. Port Washington Road
Milwaukee, Wisconsin 53217
(414) 751-7200

Structural

**Ambrose Engineering, Inc.**
W66 N215 Commerce Court, Suite #100
Cedarburg, Wisconsin 53012
(262) 377-7602

Food Service

**The Boelter Companies**
4200 N. Port Washington Road
Milwaukee, Wisconsin 53212
(414) 967-4204

Mechanical

**MSA Professional Services, Inc.**
220 East Buffalo Street, Suite 201
Milwaukee, WI 53202
(414) 296-4333

Plumbing & Fire Protection

**MSA Professional Services, Inc.**
220 East Buffalo Street, Suite 201
Milwaukee, WI 53202
(414) 296-4333

Electrical

**MSA Professional Services, Inc.**
116 Fremont Street, PO Box 235
Kiel, Wisconsin 53042
(920) 894-7800



BRAY ARCHITECTS

Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200

Sheboygan • Davenport • Moline

www.brayarch.com


Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St,**
**Mukwonago, WI 53149**

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

***NOT FOR CONSTRUCTION***

Project Number:
**3526**

Issued For:
**PLAN COMMISSION SUBMITTAL**
**4/2/2025**

Sheet Title:
**COVER SHEET**

Sheet Number:
PC0.0

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Autodesk Docs://3526-MSD Master Plan/3526_MASD_New Middle School.rvt
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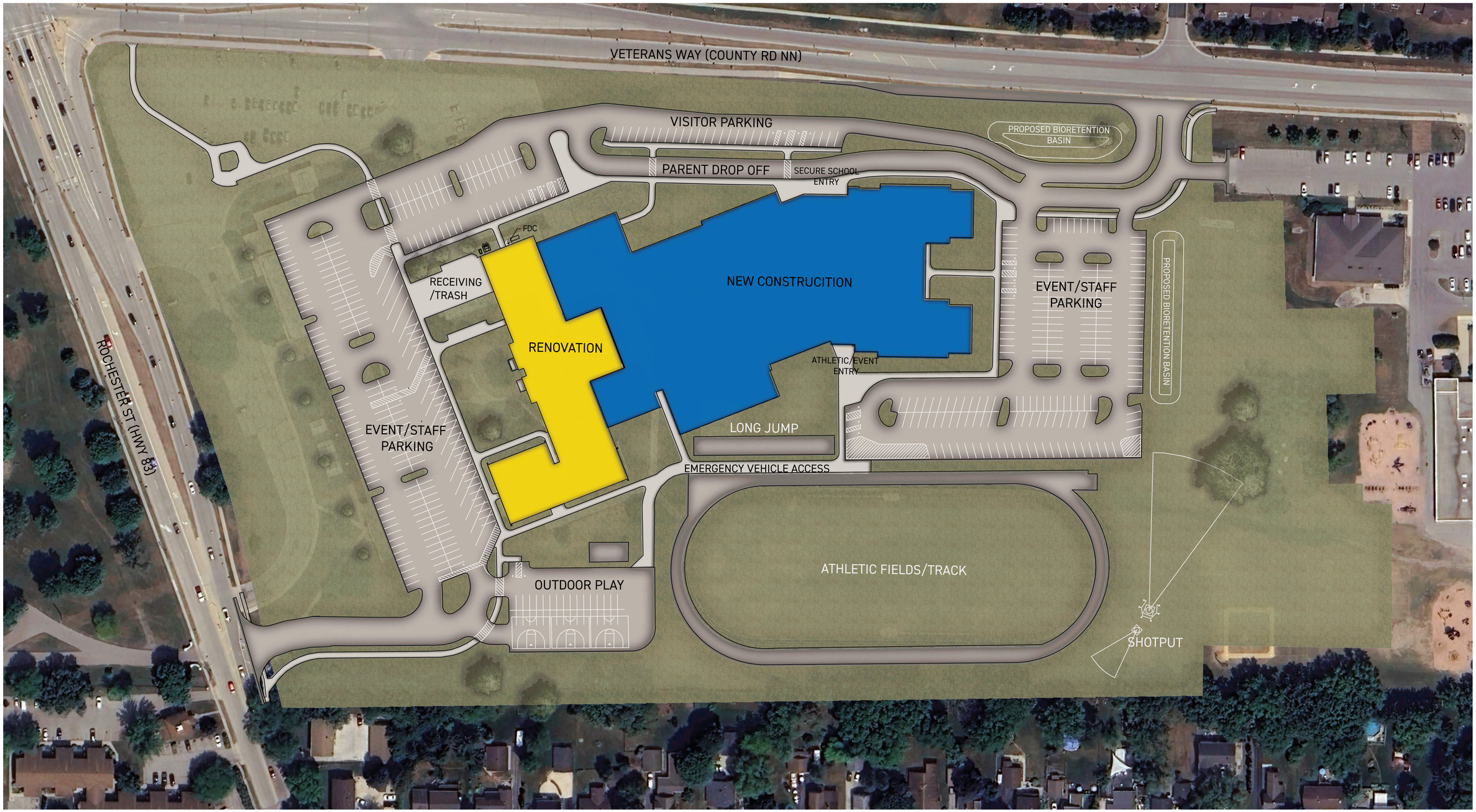



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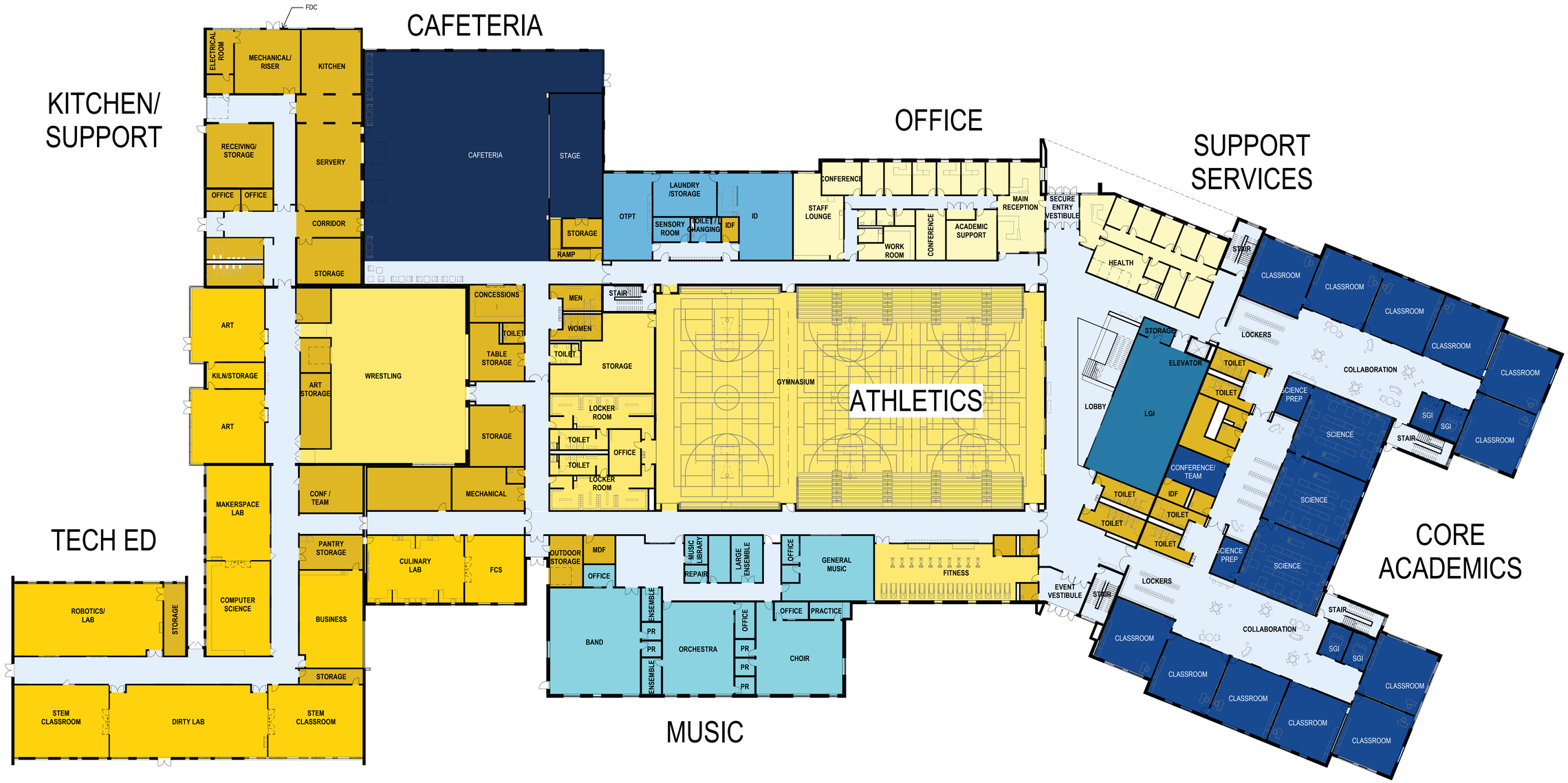


- Admin
- Athletics
- Cafeteria/Commons
- Circulation
- Core Academic
- Electives
- Kitchen/Support
- Library
- Music
- Special Education



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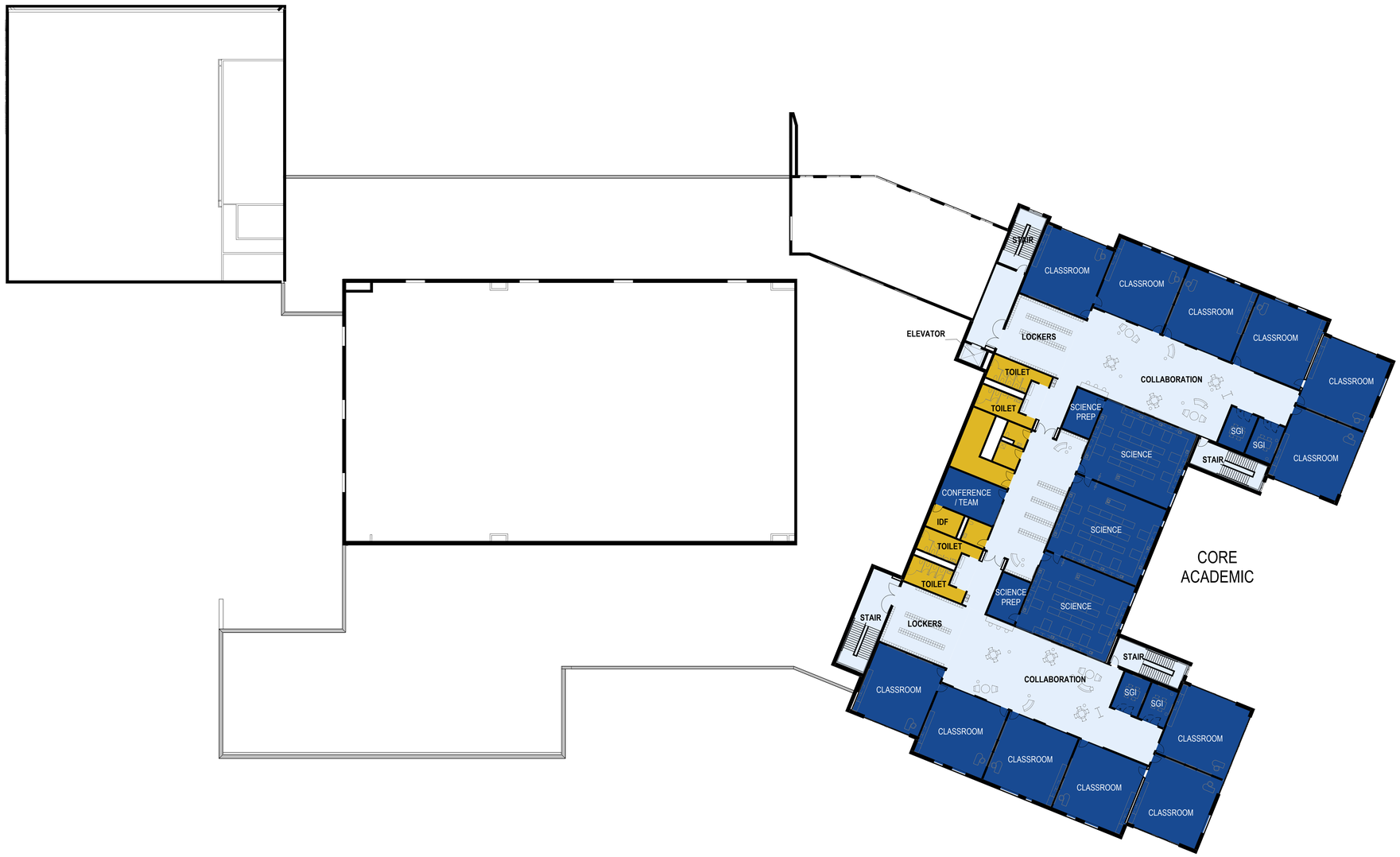




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## ELEVATION MATERIAL LEGEND

- FACE BRICK - DARK
- FACE BRICK - LIGHT
- FACE BRICK - EXISTING
- ANCHORED STONE VENEER
- INSULATED GLAZING UNIT - CLEAR
- MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL
- MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER
- MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC
- MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK
- INSULATED GLAZING UNIT - SPANDREL

## KEYNOTE LEGEND

| | |
|---|---|
| FB-1 | FACE BRICK - DARK |
| FB-2 | FACE BRICK - LIGHT |
| FB-3 | FACE BRICK - EXISTING |
| IGU-1 | INSULATED GLAZING UNIT - CLEAR |
| IGU-4B | INSULATED GLAZING UNIT - SPANDREL |
| MWP-1 | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| MWP-2 | MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| MWP-3 | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| MWP-4 | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| STNV-1 | ANCHORED STONE VENEER |

6C PC3.1 NORTH BUILDING ELEVATION
Scale: 1/16" = 1'-0"

6B PC3.1 UNIT A - EAST
Scale: 1/16" = 1'-0"

3B PC3.1 UNIT A - NORTH
Scale: 1/16" = 1'-0"

3A PC3.1 UNIT B - SOUTH
Scale: 1/16" = 1'-0"



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## ELEVATION MATERIAL LEGEND

- FACE BRICK - DARK
- FACE BRICK - LIGHT
- FACE BRICK - EXISTING
- ANCHORED STONE VENEER
- INSULATED GLAZING UNIT - CLEAR
- MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL
- MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER
- MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC
- MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK
- INSULATED GLAZING UNIT - SPANDREL

## KEYNOTE LEGEND

| | |
|---|---|
| FB-1 | FACE BRICK - DARK |
| FB-2 | FACE BRICK - LIGHT |
| FB-3 | FACE BRICK - EXISTING |
| IGU-1 | INSULATED GLAZING UNIT - CLEAR |
| IGU-4B | INSULATED GLAZING UNIT - SPANDREL |
| MWP-1 | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| MWP-2 | MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| MWP-3 | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| MWP-4 | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| STNV-1 | ANCHORED STONE VENEER |

5B PC3.2 SOUTH BUILDING ELEVATION
Scale: 1/16" = 1'-0"

6A PC3.2 EAST BUILDING ELEVATION
Scale: 1/16" = 1'-0"



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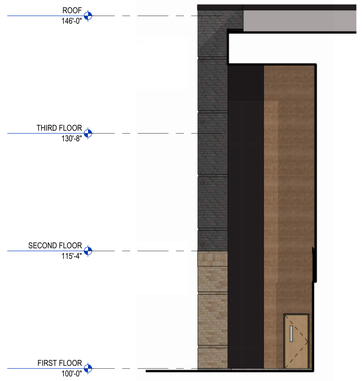
6D PC3.3 UNIT A - SOUTH
Scale: 1/8" = 1'-0"




4D PC3.3 UNIT A -PARTIAL - WEST
Scale: 1/8" = 1'-0"

## ELEVATION MATERIAL LEGEND

- FACE BRICK - DARK
- FACE BRICK - LIGHT
- FACE BRICK - EXISTING
- ANCHORED STONE VENEER
- INSULATED GLAZING UNIT - CLEAR
- MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL
- MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER
- MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC
- MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK
- INSULATED GLAZING UNIT - SPANDREL

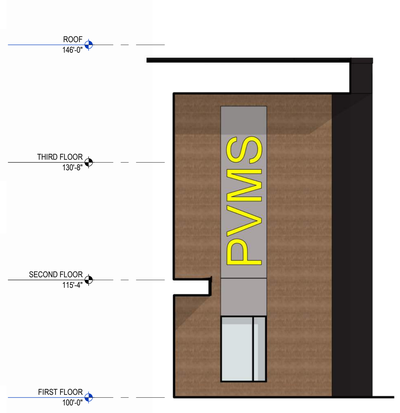
## KEYNOTE LEGEND

| | |
|---|---|
| FB-1 | FACE BRICK - DARK |
| FB-2 | FACE BRICK - LIGHT |
| FB-3 | FACE BRICK - EXISTING |
| IGU-1 | INSULATED GLAZING UNIT - CLEAR |
| IGU-4B | INSULATED GLAZING UNIT - SPANDREL |
| MWP-1 | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| MWP-2 | MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| MWP-3 | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| MWP-4 | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| STNV-1 | ANCHORED STONE VENEER |

6B PC3.3 UNIT A - NORTH
Scale: 1/8" = 1'-0"

6A PC3.3 UNIT A - EAST
Scale: 1/8" = 1'-0"

3A PC3.3 UNIT A-PARTIAL - NORTH
Scale: 1/8" = 1'-0"




2A PC3.3 UNIT A-PARTIAL - EAST
Scale: 1/8" = 1'-0"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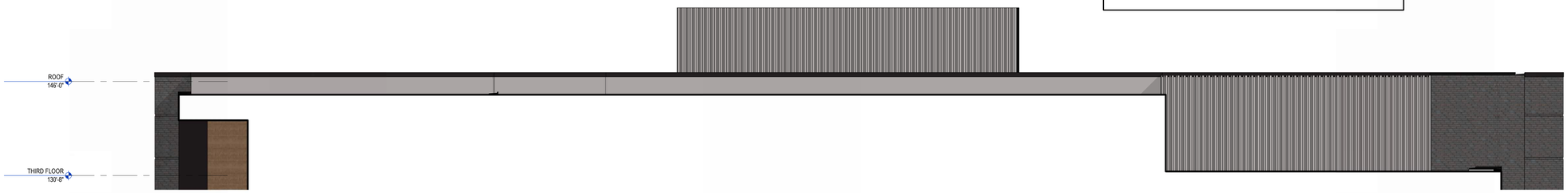
## ELEVATION MATERIAL LEGEND

- FACE BRICK - DARK
- FACE BRICK - LIGHT
- FACE BRICK - EXISTING
- ANCHORED STONE VENEER
- INSULATED GLAZING UNIT - CLEAR
- MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL
- MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER
- MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC
- MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK
- INSULATED GLAZING UNIT - SPANDREL

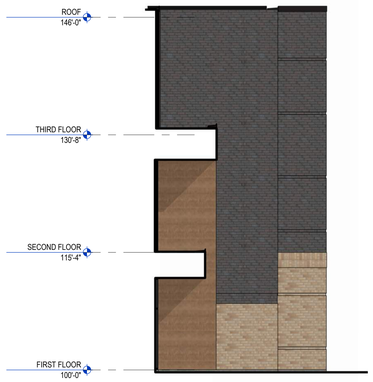
## KEYNOTE LEGEND

| | |
|---|---|
| FB-1 | FACE BRICK - DARK |
| FB-2 | FACE BRICK - LIGHT |
| FB-3 | FACE BRICK - EXISTING |
| IGU-1 | INSULATED GLAZING UNIT - CLEAR |
| IGU-AB | INSULATED GLAZING UNIT - SPANDREL |
| MWP-1 | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| MWP-2 | MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| MWP-3 | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| MWP-4 | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| STNV-1 | ANCHORED STONE VENEER |




6D PC3.4 UNIT A/B PARTIAL WEST
Scale: 1/8" = 1'-0"

5B PC3.4 UNIT B - SOUTH
Scale: 1/8" = 1'-0"




6A PC3.4 UNIT B - PARTIAL WEST
Scale: 1/8" = 1'-0"

5A PC3.4 UNIT B -EAST
Scale: 1/8" = 1'-0"

2A PC3.4 UNIT B - NORTH
Scale: 1/8" = 1'-0"



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## ELEVATION MATERIAL LEGEND

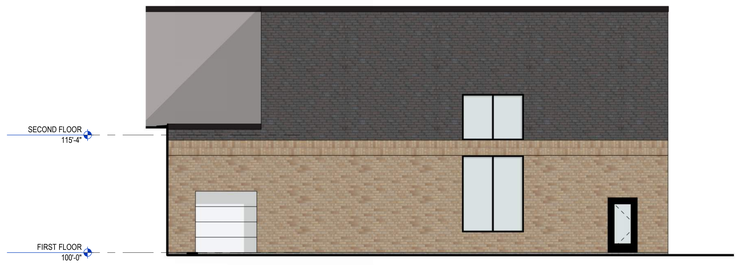
- FACE BRICK - DARK
- FACE BRICK - LIGHT
- FACE BRICK - EXISTING
- ANCHORED STONE VENEER
- INSULATED GLAZING UNIT - CLEAR
- MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL
- MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER
- MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC
- MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK
- INSULATED GLAZING UNIT - SPANDREL

## KEYNOTE LEGEND

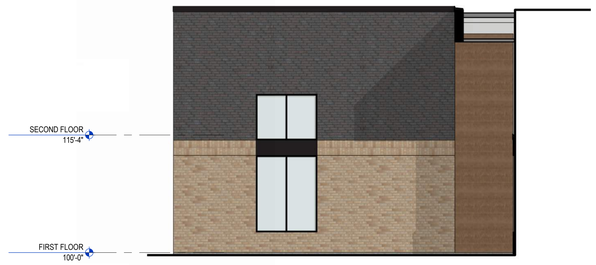
| | |
|---|---|
| FB-1 | FACE BRICK - DARK |
| FB-2 | FACE BRICK - LIGHT |
| FB-3 | FACE BRICK - EXISTING |
| IGU-1 | INSULATED GLAZING UNIT - CLEAR |
| IGU-AB | INSULATED GLAZING UNIT - SPANDREL |
| MWP-1 | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| MWP-2 | MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| MWP-3 | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| MWP-4 | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| STNV-1 | ANCHORED STONE VENEER |

6D / PC3.5 UNIT C - PARTIAL NORTH
Scale: 1/8" = 1'-0"

6B / PC3.5 UNIT C - SOUTH
Scale: 1/8" = 1'-0"




6A / PC3.5 UNIT C - WEST
Scale: 1/8" = 1'-0"




4A / PC3.5 UNIT C - EAST
Scale: 1/8" = 1'-0"



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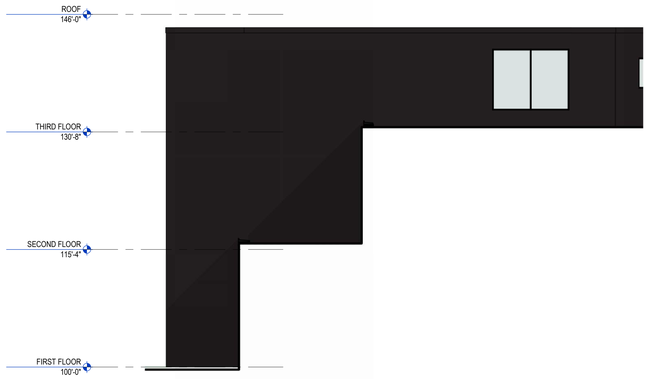
## ELEVATION MATERIAL LEGEND

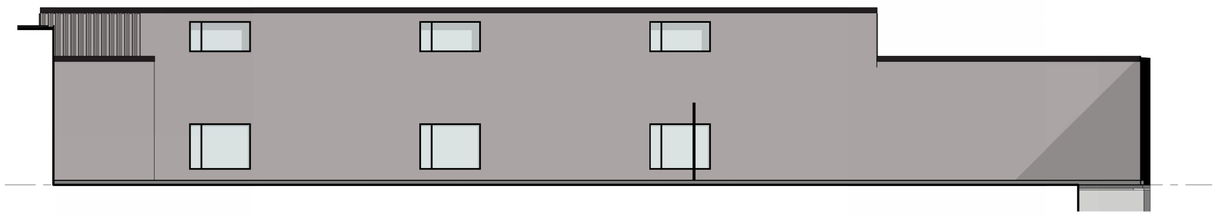
- FACE BRICK - DARK
- FACE BRICK - LIGHT
- FACE BRICK - EXISTING
- ANCHORED STONE VENEER
- INSULATED GLAZING UNIT - CLEAR
- MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL
- MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER
- MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC
- MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK
- INSULATED GLAZING UNIT - SPANDREL

## KEYNOTE LEGEND

| | |
|---|---|
| FB-1 | FACE BRICK - DARK |
| FB-2 | FACE BRICK - LIGHT |
| FB-3 | FACE BRICK - EXISTING |
| IGU-1 | INSULATED GLAZING UNIT - CLEAR |
| IGU-4B | INSULATED GLAZING UNIT - SPANDREL |
| MWP-1 | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| MWP-2 | MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| MWP-3 | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| MWP-4 | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| STNV-1 | ANCHORED STONE VENEER |

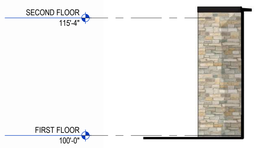



6C PC3.6 UNIT C/A - PARTIAL WEST
Scale: 1/8" = 1'-0"




6B PC3.6 UNIT C - PARTIAL WEST1
Scale: 1/8" = 1'-0"

6A PC3.6 UNIT D - NORTH
Scale: 1/8" = 1'-0"




2A PC3.6 UNIT D - PARTIAL WEST
Scale: 1/8" = 1'-0"



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## ELEVATION MATERIAL LEGEND

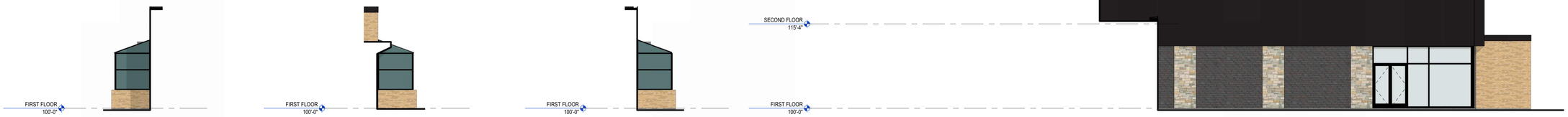
- FACE BRICK - DARK
- FACE BRICK - LIGHT
- FACE BRICK - EXISTING
- ANCHORED STONE VENEER
- INSULATED GLAZING UNIT - CLEAR
- MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL
- MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER
- MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC
- MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK
- INSULATED GLAZING UNIT - SPANDREL

## KEYNOTE LEGEND

| | |
|---|---|
| FB-1 | FACE BRICK - DARK |
| FB-2 | FACE BRICK - LIGHT |
| FB-3 | FACE BRICK - EXISTING |
| IGU-1 | INSULATED GLAZING UNIT - CLEAR |
| IGU-4B | INSULATED GLAZING UNIT - SPANDREL |
| MWP-1 | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| MWP-2 | MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| MWP-3 | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| MWP-4 | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| STNV-1 | ANCHORED STONE VENEER |

6E PC3.7 UNIT E - PARTIAL SOUTH
Scale: 1/8" = 1'-0"

6C PC3.7 UNIT E - NORTH
Scale: 1/8" = 1'-0"




6B PC3.7 UNIT E - PARTIAL SOUTH
Scale: 1/8" = 1'-0"

5B PC3.7 UNIT E - PARTIAL NORTH2
Scale: 1/8" = 1'-0"

4B PC3.7 UNIT E - PARTIAL NORTH
Scale: 1/8" = 1'-0"

3B PC3.7 UNIT E - EAST
Scale: 1/8" = 1'-0"

6A PC3.7 UNIT E - WEST
Scale: 1/8" = 1'-0"



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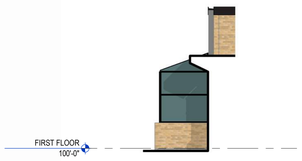
## ELEVATION MATERIAL LEGEND

- FACE BRICK - DARK
- FACE BRICK - LIGHT
- FACE BRICK - EXISTING
- ANCHORED STONE VENEER
- INSULATED GLAZING UNIT - CLEAR
- MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL
- MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER
- MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC
- MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK
- INSULATED GLAZING UNIT - SPANDREL

## KEYNOTE LEGEND

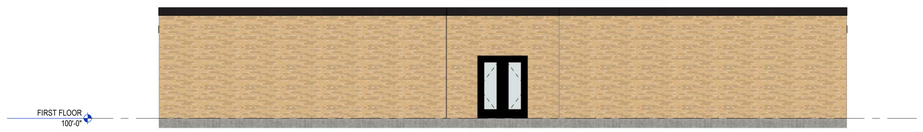
| | |
|---|---|
| FB-1 | FACE BRICK - DARK |
| FB-2 | FACE BRICK - LIGHT |
| FB-3 | FACE BRICK - EXISTING |
| IGU-1 | INSULATED GLAZING UNIT - CLEAR |
| IGU-AB | INSULATED GLAZING UNIT - SPANDREL |
| MWP-1 | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| MWP-2 | MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| MWP-3 | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| MWP-4 | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| STNV-1 | ANCHORED STONE VENEER |

3D / PC3.8 UNIT F - PARTIAL WEST_
Scale: 1/8" = 1'-0"




6C / PC3.8 UNIT F - PARTIAL SOUTH_
Scale: 1/8" = 1'-0"

4C / PC3.8 UNIT F - PARTIAL EAST_
Scale: 1/8" = 1'-0"




3C / PC3.8 UNIT F - WEST_
Scale: 1/8" = 1'-0"

6B / PC3.8 UNIT F - SOUTH_
Scale: 1/8" = 1'-0"

6A / PC3.8 UNIT F - NORTH_
Scale: 1/8" = 1'-0"

3A / PC3.8 UNIT F - EAST_
Scale: 1/8" = 1'-0"



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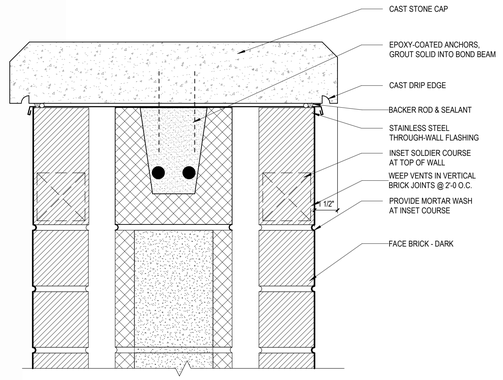
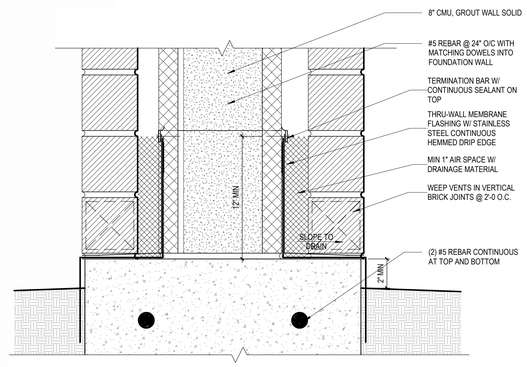
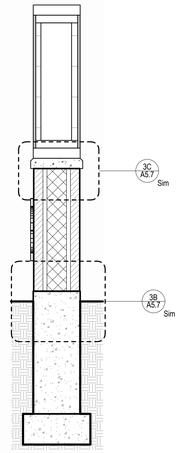


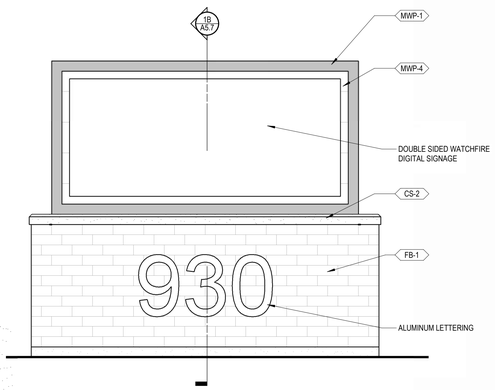

3C A5.7 DETAIL - MONUMENT CAP
Scale: 3" = 1'-0"



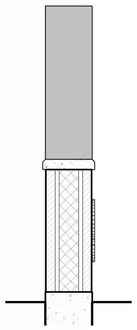

3B A5.7 DETAIL - MONUMENT BASE
Scale: 3" = 1'-0"



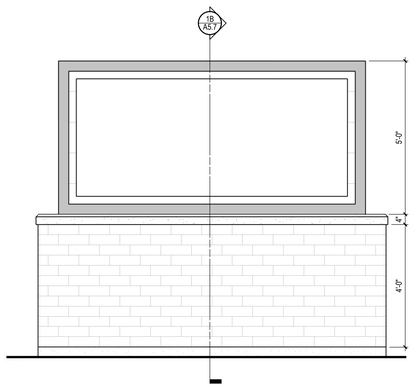

1B A5.7 SECTION MONUMENT SIGN
Scale: 1/2" = 1'-0"



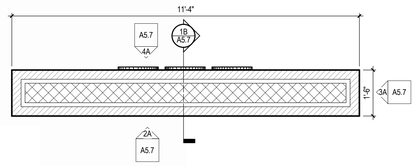

4A A5.7 MONUMENT SIGN ELEVATION 2
Scale: 1/2" = 1'-0"



3A A5.7 MONUMENT SIGN SIDE ELEVATION
Scale: 1/2" = 1'-0"




2A A5.7 MONUMENT SIGN ELEVATION 1
Scale: 1/2" = 1'-0"




1A A5.7 MONUMENT SIGN
Scale: 1/2" = 1'-0"

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www.brayarch.com

Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St,**
**Mukwonago, WI 53149**

REVISIONS:

| # | DATE | DESCRIPTION |
|---|---|---|

Project Number:
**3526**

Issued For:

Sheet Title:
**EXTERIOR DETAILS - SITE**

Sheet Number:
**A5.7**

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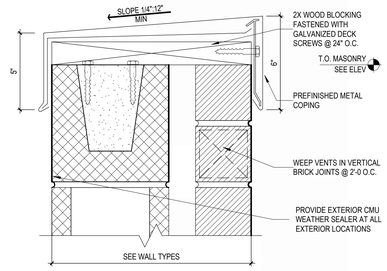
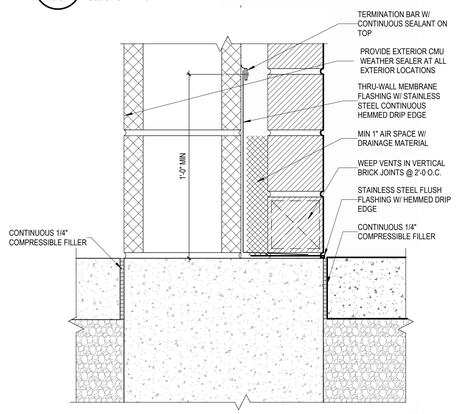
Autodesk Docs://3526-MSD Master Plan/3526_MASD_New Middle School.rvt
5/7/2025 4:21:16 PM




## 4E TOP OF WALL @ X#Bni
A6.5.1 Scale: 3" = 1'-0"



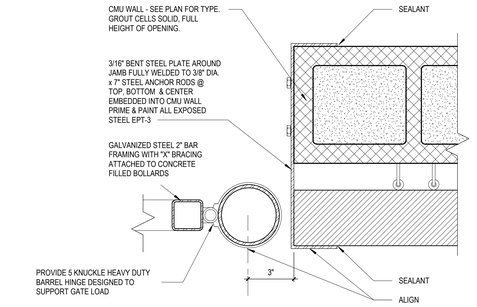

## 4C BASE @X#Bni
A6.5.1 Scale: 3" = 1'-0"

## ELEVATION MATERIAL LEGEND

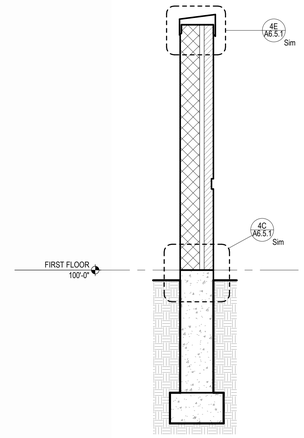
| | |
|---|---|
| FACE BRICK - DARK | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| FACE BRICK - LIGHT | MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| FACE BRICK - EXISTING | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| ANCHORED STONE VENEER | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| INSULATED GLAZING UNIT - CLEAR | INSULATED GLAZING UNIT - SPANDREL |

## KEYNOTE LEGEND

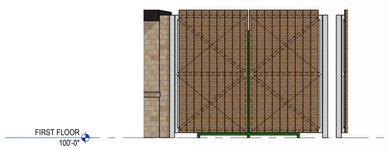
| | |
|---|---|
| 07-02 | 2X WOOD BLOCKING FASTENED WITH GALVANIZED DECK SCREWS @ 24" O.C. |
| 0330-04 | CONTINUOUS 1/4" COMPRESSIBLE FILLER |
| 0420-05 | TERMINATION BAR W/ CONTINUOUS SEALANT ON TOP |
| 0420-07 | MIN 1" AIR SPACE W/ DRAINAGE MATERIAL |
| 0420-08 | WEEP VENTS IN VERTICAL BRICK JOINTS @ 2'-0 O.C. |
| 0725-08 | THRU-WALL MEMBRANE FLASHING W/ STAINLESS STEEL CONTINUOUS HEMMED DRIP EDGE |
| 0762-02 | PREFINISHED METAL COPING |
| 0762-10 | STAINLESS STEEL FLUSH FLASHING W/ HEMMED DRIP EDGE |
| FB-1 | FACE BRICK - DARK |
| FB-2 | FACE BRICK - LIGHT |
| FB-3 | FACE BRICK - EXISTING |
| MWP-1 | MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL |
| MWP-2A | MWP-2A - FORMED METAL WALL PANEL - EXPOSED FASTENER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER |
| MWP-2B | MWP-2B - FORMED METAL WALL PANEL - EXPOSED FASTENER, LAP SEAM - MUZA - MZ 5 PANEL - PEWTER |
| MWP-3 | MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC |
| MWP-4 | MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK |
| STNV-1 | ANCHORED STONE VENEER |




## 3C GATE JAMB DETAIL
A6.5.1 Scale: 3" = 1'-0"




## 1C TRASH ENCLOSURE SECTION
A6.5.1 Scale: 1/2" = 1'-0"

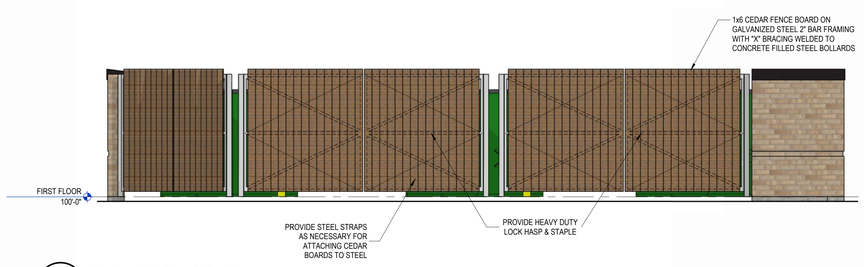



## 6B ELEVATION PARTIAL WEST
A6.5.1 Scale: 1/4" = 1'-0"

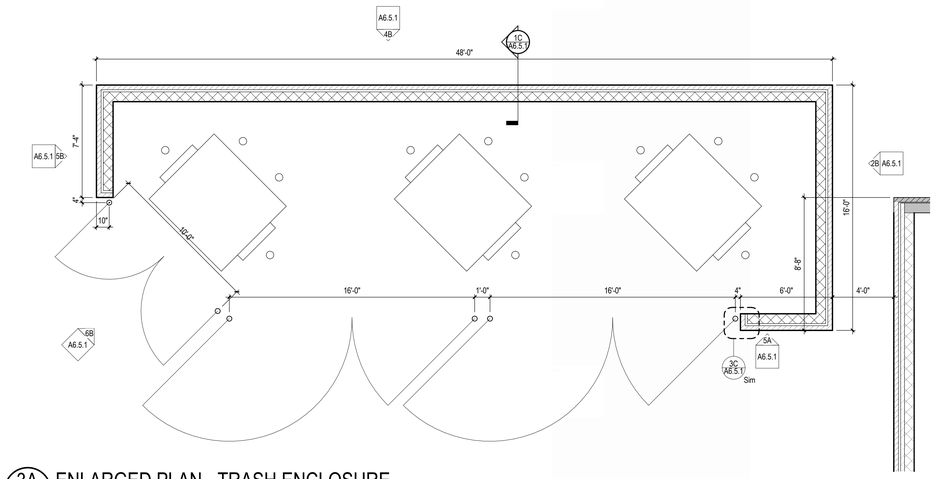
## 5B ELEVATION WEST
A6.5.1 Scale: 1/4" = 1'-0"

## 4B ELEVATION NORTH
A6.5.1 Scale: 1/4" = 1'-0"

## 2B ELEVATION EAST
A6.5.1 Scale: 1/4" = 1'-0"




## 5A ELEVATION SOUTH
A6.5.1 Scale: 1/4" = 1'-0"




## 3A ENLARGED PLAN - TRASH ENCLOSURE
A6.5.1 Scale: 1/4" = 1'-0"

BRAY ARCHITECTS
Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
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www.brayarch.com

Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St.**
**Mukwonago, WI 53149**

REVISIONS:

| # | DATE | DESCRIPTION |
|---|---|---|

***NOT FOR CONSTRUCTION***

Project Number:
**3526**

Issued For:
**PLAN COMMISSION SUBMITTAL**
**4/2/2025**

Sheet Title:
**ENLARGED PLANS - TRASH ENCLOSURE**

Sheet Number:
**A6.5.1**

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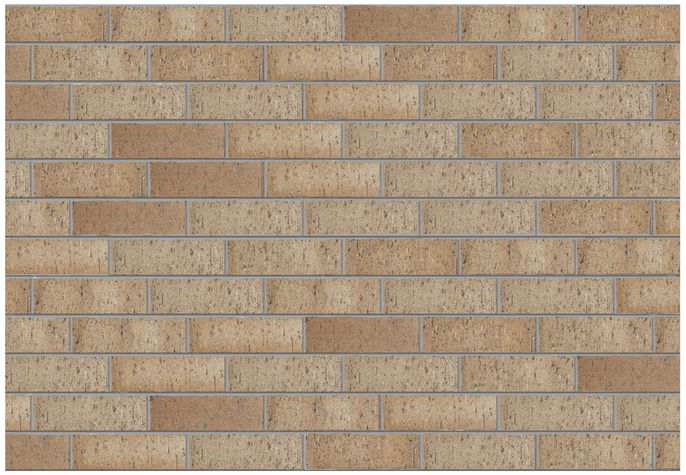
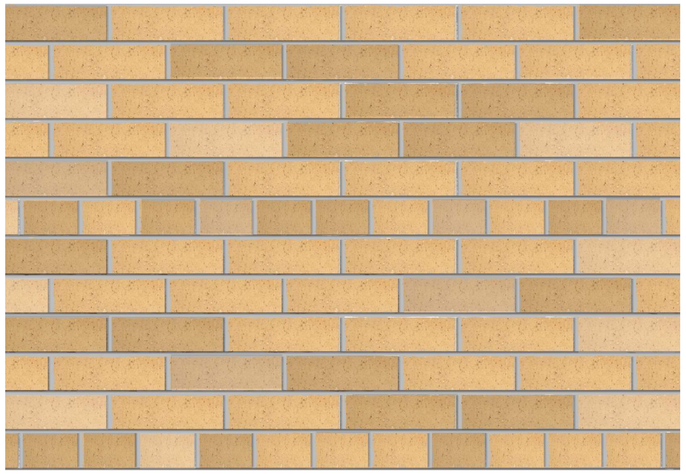
Autodesk Docs://3526-MSD Master Plan/3526_MASD_New Middle School.rvt
5/7/2025 11:22:03 AM

FACE BRICK - DARK

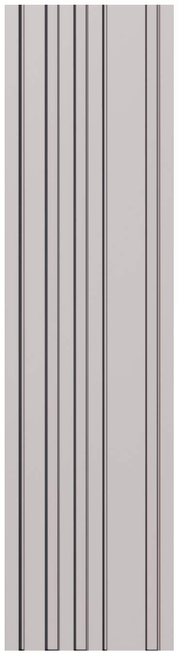


FACE BRICK - LIGHT



FACE BRICK - EXISTING

METAL PANEL - CHARCOAL



METAL PANEL WITH PROFILE - GREY

METAL PANEL - ZINC

METAL PANEL - WOOD LOOK

ANCHORED STONE VENEER

BLACK ANODIZED ALUMINUM FRAMING

INSULATING GLAZING UNIT - CLEAR

INSULATING GLAZING UNIT - SPANDREL

## ELEVATION MATERIAL LEGEND

- FACE BRICK - DARK
- FACE BRICK - LIGHT
- FACE BRICK - EXISTING
- ANCHORED STONE VENEER
- INSULATED GLAZING UNIT - CLEAR
- MWP-1 - METAL COMPOSITE MATERIAL WALL PANELS - MUZA - MZ-2000 - CHARCOAL
- MWP-2 - FORMED METAL WALL PANEL - EXPOSED FASTERNER, LAP SEAM - MUZA - MZ 8 PANEL - PEWTER
- MWP-3 - METAL WALL PANEL - MUZA BLUE ZINC
- MWP-4 - METAL WALL PANEL - MUZA WOOD LOOK
- INSULATED GLAZING UNIT - SPANDREL



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VIEW FROM NORTHWEST INTERSECTION OF HWY 83 & NN

VIEW LOOKING SOUTH AT NEW CAFETERIA

VIEW LOOKING SOUTH AT MAIN ENTRANCE

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VIEW FROM SOUTH PARKING LOT LOOKING NORTHWEST TOWARDS ATHLETIC ENTRANCE

VIEW FROM WEST PARKING LOT LOOKING EAST AT 3-STORY CLASSROOM PORTION

VIEW LOOKING NORTH AT ATHLETIC ENTRANCE



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VIEW FROM WEST PARKING LOT LOOKING NORTHEAST TOWARDS EXISTING BUILDING

VIEW FROM SOUTH PARKING LOT LOOKING NORTH

VIEW LOOKING WEST TOWARDS EXISTING BUILDING AND NEW CAFETERIA



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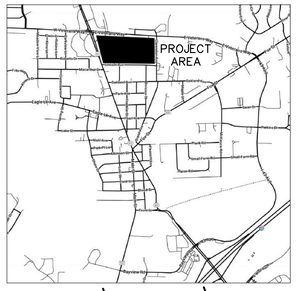
# PLAT OF SURVEY WITH TOPOGRAPHY

PART OF THE SOUTHEAST 1/4 OF SECTION 23, TOWNSHIP 5 NORTH, RANGE 18 EAST, IN THE VILLAGE (FORMERLY IN THE TOWN) OF MUKWONAGO, COUNT OF WAUKESHA, STATE OF WISCONSIN.

BEARINGS ARE REFERENCED TO NAD83 WISCONSIN STATE PLANE – SOUTH ZONE VERTICAL DATUM IS NAVD 88

## VICINITY MAP

NOT TO SCALE

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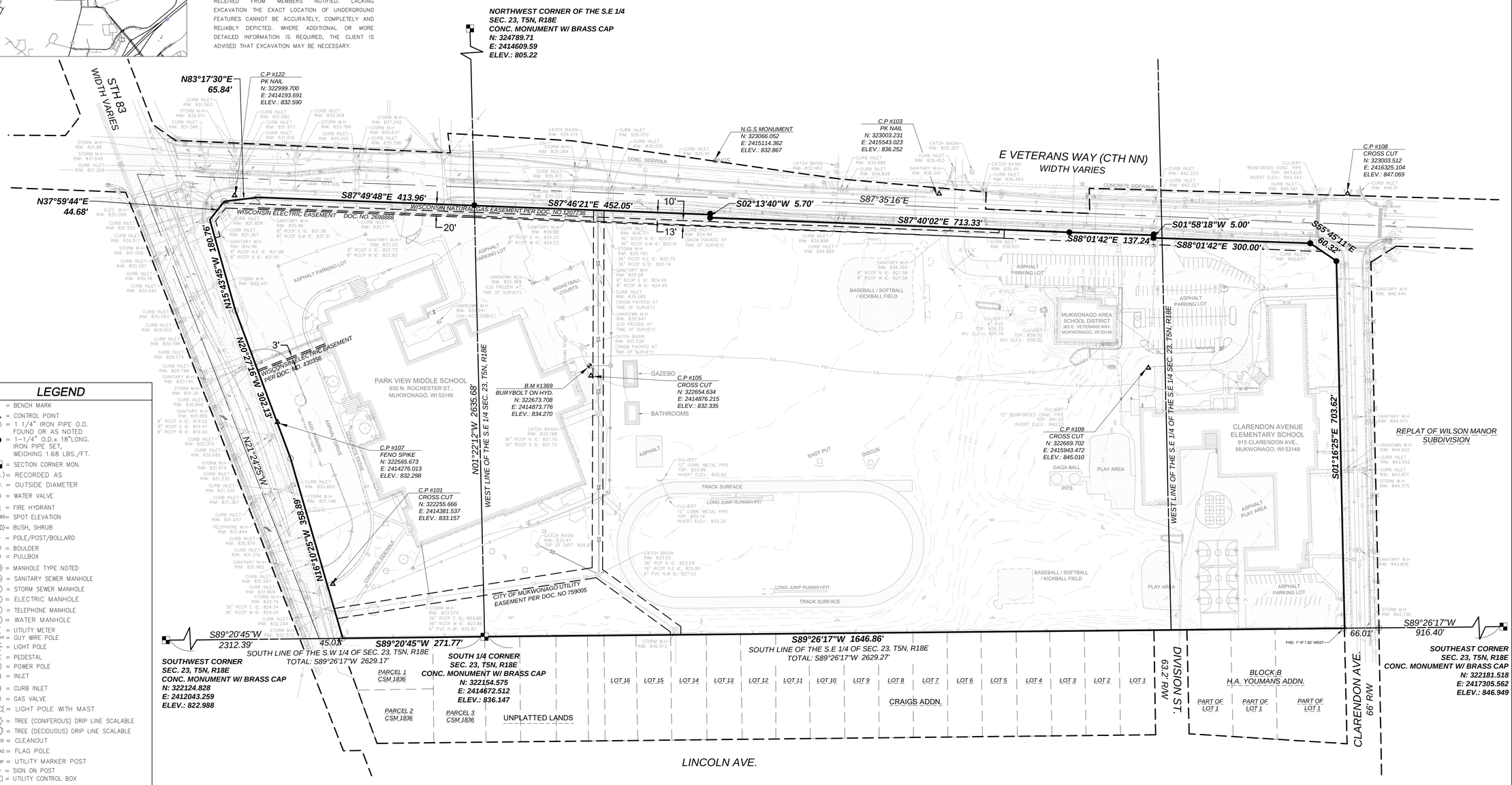
ALTHOUGH DIGGERS' HOTLINE WAS NOTIFIED THIS SURVEY DOES NOT GUARANTEE THAT ALL UTILITIES HAVE BEEN LOCATED ON SITE. SOME OF THE UTILITIES MAY HAVE BEEN DRAWN IN PER PLAN BASED ON MAPS RECEIVED FROM MEMBERS NOTIFIED. LACKING EXCAVATION THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.




## LEGEND

- = BENCH MARK
- = CONTROL POINT
- = 1 1/4" IRON PIPE O.D. FOUND OR AS NOTED
- = 1-1/4" O.D.x 18"LONG. IRON PIPE SET, WEIGHING 1.68 LBS./FT.
- = SECTION CORNER MON.
- (R.A.)= RECORDED AS
- O.D. = OUTSIDE DIAMETER
- = WATER VALVE
- = FIRE HYDRANT
- 970.90= SPOT ELEVATION
- = BUSH, SHRUB
- = POLE/POST/BOLLARD
- = BOULDER
- = PULLBOX
- (MH) = MANHOLE TYPE NOTED
- (SA) = SANITARY SEWER MANHOLE
- (ST) = STORM SEWER MANHOLE
- (E) = ELECTRIC MANHOLE
- (T) = TELEPHONE MANHOLE
- (W) = WATER MANHOLE
- = UTILITY METER
- (GUY) = GUY WIRE POLE
- = LIGHT POLE
- = PEDESTAL
- = POWER POLE
- = INLET
- = CURB INLET
- = GAS VALVE
- = LIGHT POLE WITH MAST
- = TREE (CONIFEROUS) DRIP LINE SCALABLE
- = TREE (DECIDUOUS) DRIP LINE SCALABLE
- (CO) = CLEANOUT
- (FLAG) = FLAG POLE
- (UMP) = UTILITY MARKER POST
- = SIGN ON POST
- = UTILITY CONTROL BOX
- (VLV) = UNKNOWN UTILITY VALVE
- FL. EL. = FIRST FLOOR ELEVATION
- = BUILDING OUTLINE
- 3 = MINOR CONTOUR
- 5 = MAJOR CONTOUR
- = FENCE
- = BEAM GUARD
- = CHAINLINK FENCE
- = WOODED AREA/SHRUB EDGE
- W = WATER MAIN
- ST = STORM SEWER
- SAN = SANITARY SEWER
- G = NATURAL GAS MAIN
- T = UNDERGROUND TELEPHONE
- E = UNDERGROUND ELECTRIC
- OH = OVERHEAD UTILITY LINES
- FO = UNDERGROUND FIBER OPTIC
- TV = UNDERGROUND CABLE TV
- C = COMMUNICATION CONDUIT
- (P) = UTILITIES PER PLAN
- = ASPHALT SURFACE
- = CONCRETE SURFACE
- = GRAVEL / CRUSHED AGG. SURFACE

## LEGAL DESCRIPTION:

PROVIDED BY: KNIGHT BARRY TITLE GROUP
FILE #: 2310623. EFFECTIVE DATE: DECEMBER 20, 2024.

All that part of the Southeast 1/4 of Section 23, Township 5 North, Range 18 East, in the Village (formerly in the Town) of Mukwonago, County of Waukesha, State of Wisconsin, described as follows: Beginning at a point on the South line of said Section 23 located 985 feet West of the Southeast corner of said Section 23; thence North 751.5 feet; thence North 86°30' West parallel to County Trunk Highway "EE" a distance of 678.3 feet; thence South 792.9 feet; thence East 677 feet to the place of beginning. The place of beginning can be further described as being 35 feet West of the intersection of the center line of Clarendon Street with the South line of said Section 23.

ALSO

All that part of the Southwest 1/4 and Southeast 1/4 of Section 23, Township 5 North, Range 18 East, in the Village (formerly in the Town) of Mukwonago, County of Waukesha, State of Wisconsin, described as follows: Beginning at the South quarter corner of said Section 23; thence 319.4 feet West on the South line of said Section 23 to the center line of State Trunk Highway 83; thence North 20° 36' West on the center line of said State Trunk Highway 83, 954.4 feet to the intersection with the center line of County Trunk Highway "EE"; thence South 87° East along the centerline of said County Trunk Highway "EE" 1615.7 feet; thence South 809.4 feet to the South line of said Section 23; thence West on said South section line 968.8 feet to the point of beginning.

ALSO

All of Division Street adjoining the East line of Lot 1, Block 1, of Craigs Addition to the Village of Mukwonago, in the North 1/2 of Section 26, Town 5 North, Range 18 East, in the Village of Mukwonago, County of Waukesha, State of Wisconsin, EXCEPTING THEREFROM the West 16 feet thereof.

EXCEPTING THEREFROM those lands conveyed to State of Wisconsin, Department of Transportation as described in Document No. 1347347. FURTHER EXCEPTING THEREFROM those lands conveyed to the State of Wisconsin, Department of Transportation as described in Warranty Deed recorded as Document No. 2672831, as corrected by Affidavit of Correction recorded as Document No. 3389564. AND FURTHER EXCEPTING THEREFROM those lands conveyed to Waukesha County as described in Warranty Deed recorded as Document No. 4226126.

For informational purposes only:
Property Address: 385 East Veterans Way, Mukwonago, WI 53149
Tax Key Number: MUKV 1964.992

SURVEYOR'S CERTIFICATE:

I, Brian Sandberg do hereby certify that that under My direction and control the the above described property was surveyed on 12/31/2024 in accordance with AE-7 of the Wisconsin Administrative Code and is correct to the best of my knowledge and belief.

Brian E. Sandberg S-2500
February 19th, 2025.

FILENAME: S:_SiteDagn\Broy Architects\250140 Mukwonago SD Referendum 2024\Survey\DWG\250140_Plat.dwg


kapur
7711 N. Port Washington Road
Milwaukee, Wisconsin 53217
kapurinc.com


PROJECT:
MUKWONAGO AREA SCHOOL DISTRICT

LOCATION:
385 E. VETERANS WAY, MUKWONAGO, WI 53149

CLIENT:
BRAY ARCHITECTS

RELEASE:
FINAL

REVISIONS:

| # | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

NORTH ARROW:

SCALE: 1" = 80'
0 40' 80' 160'

SEAL:
WISCONSIN
BRIAN SANDBERG
S-2500
PORT WASHINGTON
WISCONSIN
LAND SURVEYOR

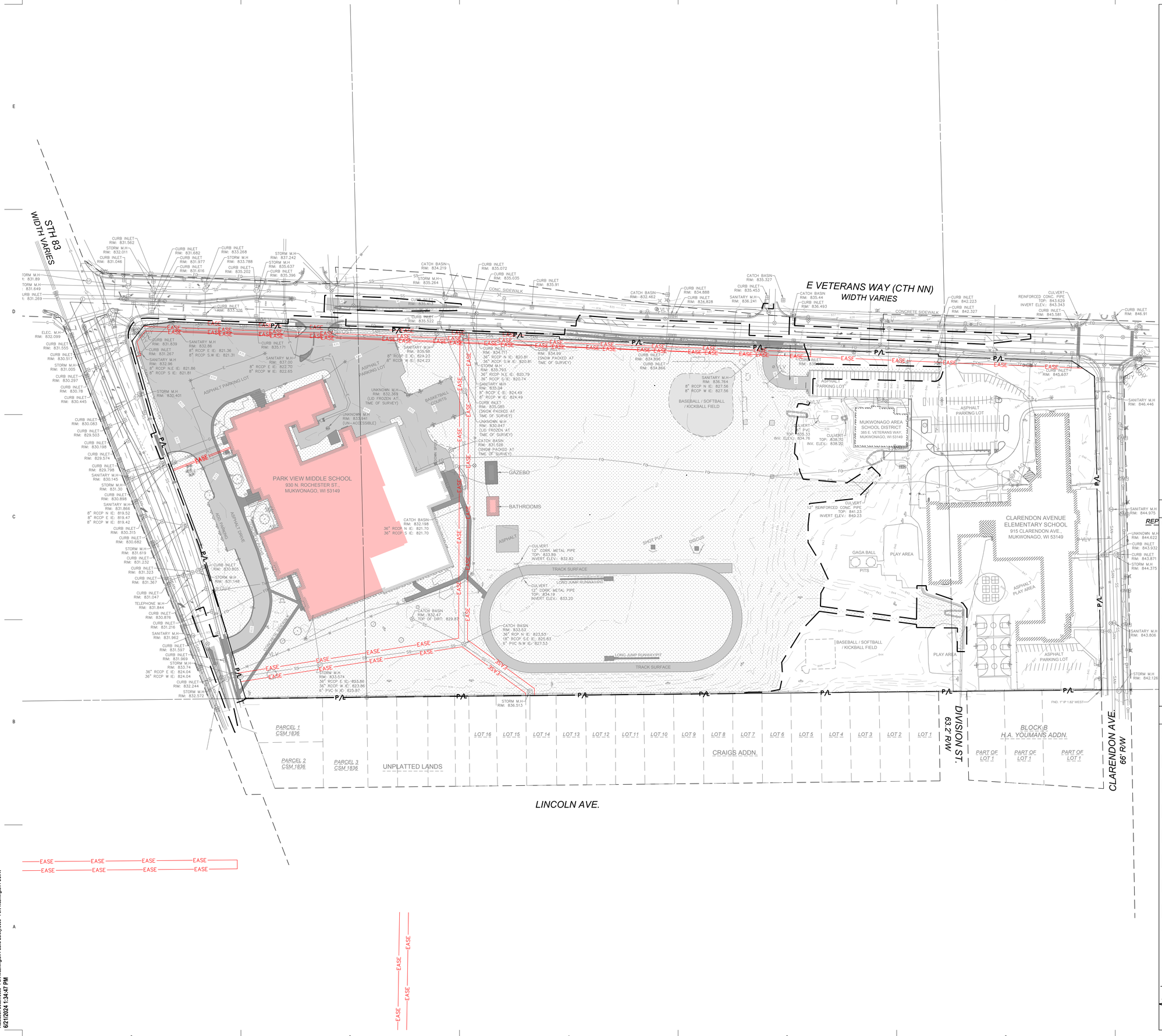
all in

SHEET:
PLAT OF SURVEY WITH TOPOGRAPHY

| | |
|---|---|
| PROJECT MANAGER: | M.F |
| PROJECT NUMBER: | 25.0140 |
| DATE: | 02/19/2025 |

SHEET NUMBER:
SU1.10

312




Scale: 0 40 80 160
Scale: 1" = 80'

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## DEMOLITION NOTES

1. CONSULT WITH OWNER TO DETERMINE A SAFE STORAGE LOCATION OF ITEMS SPECIFICALLY CALLED OUT TO BE SALVAGED FOR OWNER REUSE. EXERCISE CARE DURING REMOVAL AND TRANSPORT TO PREVENT DAMAGE.
2. THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITY, PROPERTY OWNER, AND DIGGERS HOTLINE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
3. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL APPLY FOR AND OBTAIN ALL THEIR REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF THEIR WORK. CONSULT WITH AND OBTAIN FROM ENGINEER COPIES OF ENGINEERING DESIGN APPROVAL PERMITS, INCLUDING BUT NOT LIMITED TO MDNR, STATE OR LOCAL PLUMBING, WDOT, COUNTY, AND STORM WATER MANAGEMENT.
4. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL CONTACT DIGGER'S HOTLINE TO ALLOW THEM SUFFICIENT TIME TO LOCATE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.
5. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL OTHER CONTRACTORS.
6. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND / OR RELOCATION / ELEVATION ADJUSTMENT OF ALL EXISTING PUBLIC OR PRIVATE UTILITIES WITHIN THE PROJECT LIMITS THAT MAY BE AFFECTED BY TOPOGRAPHICAL CHANGES, UTILITIES, OR OTHER PROPOSED CONSTRUCTION ON THE PROJECT, INCLUDING BUT NOT LIMITED TO ELECTRICAL / FIBER OPTIC / TELEPHONE / CABLE / GAS / WATER / SANITARY / STORM. DEMOLITION / RELOCATION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND UTILITY OWNER REGULATIONS.
7. FOR ALL WORK, GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR REVIEWING BID DOCUMENTS, VERIFYING THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, AND INCLUDE IN THEIR CONTRACT THE RELOCATION OF SAID UTILITIES (NOTED OR NOT ON THE BID DOCUMENTS) AS NECESSARY TO PROVIDE PROPER DEPTH/CLEARANCE PER UTILITY OWNER'S REQUIREMENTS.

## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- VEGETATION TO BE REMOVED & DISPOSED OF OFFSITE. IF SUITABLE FOR REUSE, TOPSOIL TO BE STOCKPILED. UNUSED & UNSUITABLE TOPSOIL TO BE REMOVED OFFSITE. TOPSOIL THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
- ASPHALT PAVEMENT & BASE MATERIAL TO BE REMOVED TO SUB-BASE & DISPOSED OF OFFSITE. PAVEMENT & BASE THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
- CONCRETE & BASE MATERIAL TO BE REMOVED TO SUB-BASE & DISPOSED OF OFFSITE. CONCRETE & BASE THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
- GRAVEL MATERIAL TO BE REMOVED & DISPOSED OF OFFSITE. IF SUITABLE FOR REUSE, GRAVEL TO BE STOCKPILED. UNUSED GRAVEL MATERIAL TO BE REMOVED OFFSITE. GRAVEL THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
- CLEAR & GRUB VEGETATION, REMOVE ROOTS & STUMPS. REMOVE & DISPOSE OF OFFSITE.
- EXISTING BUILDING & FOUNDATION TO BE RAZED. REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ASPHALT PAVEMENT & BASE MATERIAL TO BE PULVERIZED & REUSED AS PAVEMENT BASE MATERIAL. REFER TO SPECIFICATION SECTION 321216–ASPHALT PAVING.
- SCSCSCSC — SAWCUT FULL DEPTH
- X — TREES & STUMPS TO BE REMOVED
- DENOTES UTILITIES TO BE ABANDONED & REMOVED.
- AB — DENOTES UTILITIES TO BE ABANDONED IN PLACE.
- CAUTION — KNOWN UTILITY AND POTENTIAL CONFLICT EXIST
- –UTILITY STRUCTURE REMOVAL/ABANDONMENT

BRAY ARCHITECTS
Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
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Sheboygan • Davenport • Moline
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kapur

Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: OVERALL SITE DEMOLITION PLAN

Sheet Number: C1.10

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Autodesk Docs://3663 - Port Washington Public Safety/3663 - Port Washington PSC.rvt
6/21/2024 1:34:47 PM

STH 83
WIDTH VARIES

MATCHLINE

CURB INLET
RIM: 831.562

STORM M.H
RIM: 832.011

CURB INLET
RIM: 831.046

CURB INLET
RIM: 831.682

CURB INLET
RIM: 831.977

CURB INLET
RIM: 831.616

CURB INLET
RIM: 833.268

STORM M.H
RIM: 833.788

CURB INLET
RIM: 835.202

STORM M.H
RIM: 837.242

STORM M.H
RIM: 835.637

CURB INLET
RIM: 835.396

CATCH BASIN
RIM: 834.219

STORM M.H
RIM: 835.264

M M.H
331.89

RM M.H
31.649

3 INLET
331.269

CURB INLET
RIM: 833.326

CURB INLET
RIM: 835.322

ELEC. M.H
RIM: 832.099

CURB INLET
RIM: 831.555

CURB INLET
RIM: 830.517

STORM M.H
RIM: 831.005

CURB INLET
RIM: 830.297

CURB INLET
RIM: 830.78

CURB INLET
RIM: 830.445

CURB INLET
RIM: 831.839

CURB INLET
RIM: 831.267

SANITARY M.H
RIM: 832.96
8" RCCP N.E IE: 821.86
8" RCCP S IE: 821.81

SANITARY M.H
RIM: 832.86
8" RCCP E IE: 821.36
8" RCCP S.W IE: 821.31

CURB INLET
RIM: 835.171

SANITARY M.H
RIM: 837.00
8" RCCP E IE: 822.70
8" RCCP W IE: 822.65

SANITARY M.H
RIM: 835.98
8" RCCP E IE: 824.23
8" RCCP W IE: 824.23

ASPHALT PARKING LOT

STORM M.H
RIM: 830.401

UNKNOWN M.H
RIM: 832.369
(LID FROZEN AT
TIME OF SURVEY)

BASKETBALL COURTS

UNKNOWN M.H
RIM: 833.941
(UN-ACCESSIBLE)

CURB INLET
RIM: 830.083

CURB INLET
RIM: 829.503

CURB INLET
RIM: 830.198

CURB INLET
RIM: 829.574

CURB INLET
RIM: 829.798

SANITARY M.H
RIM: 830.145

STORM M.H
RIM: 831.30

CURB INLET
RIM: 830.898

SANITARY M.H
RIM: 831.866
RCCP N IE: 819.52
RCCP E IE: 819.47
RCCP W IE: 819.42

CURB INLET
RIM: 830.315

CURB INLET
RIM: 830.682

STORM M.H
RIM: 831.619

CURB INLET
RIM: 831.232

CURB INLET
RIM: 831.323

CURB INLET
RIM: 831.367

CURB INLET
RIM: 830.805

STORM M.H
RIM: 831.148

PARK VIEW MIDDLE SCHOOL
930 N. ROCHESTER ST.,
MUKWONAGO, WI 53149

ADD. PARKING

ASPHALT DRIVE

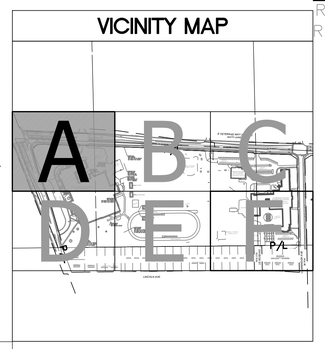
CONCRETE PATHS

MATCHLINE
CATCH BASIN
RIM: 832.19
36" RCCP N IE: 821.7
36" RCCP S IE: 821.7

N

Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP

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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number:
3526

Issued For:
PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
SITE DEMOLITION PLAN - AREA A

Sheet Number:
C1.11A

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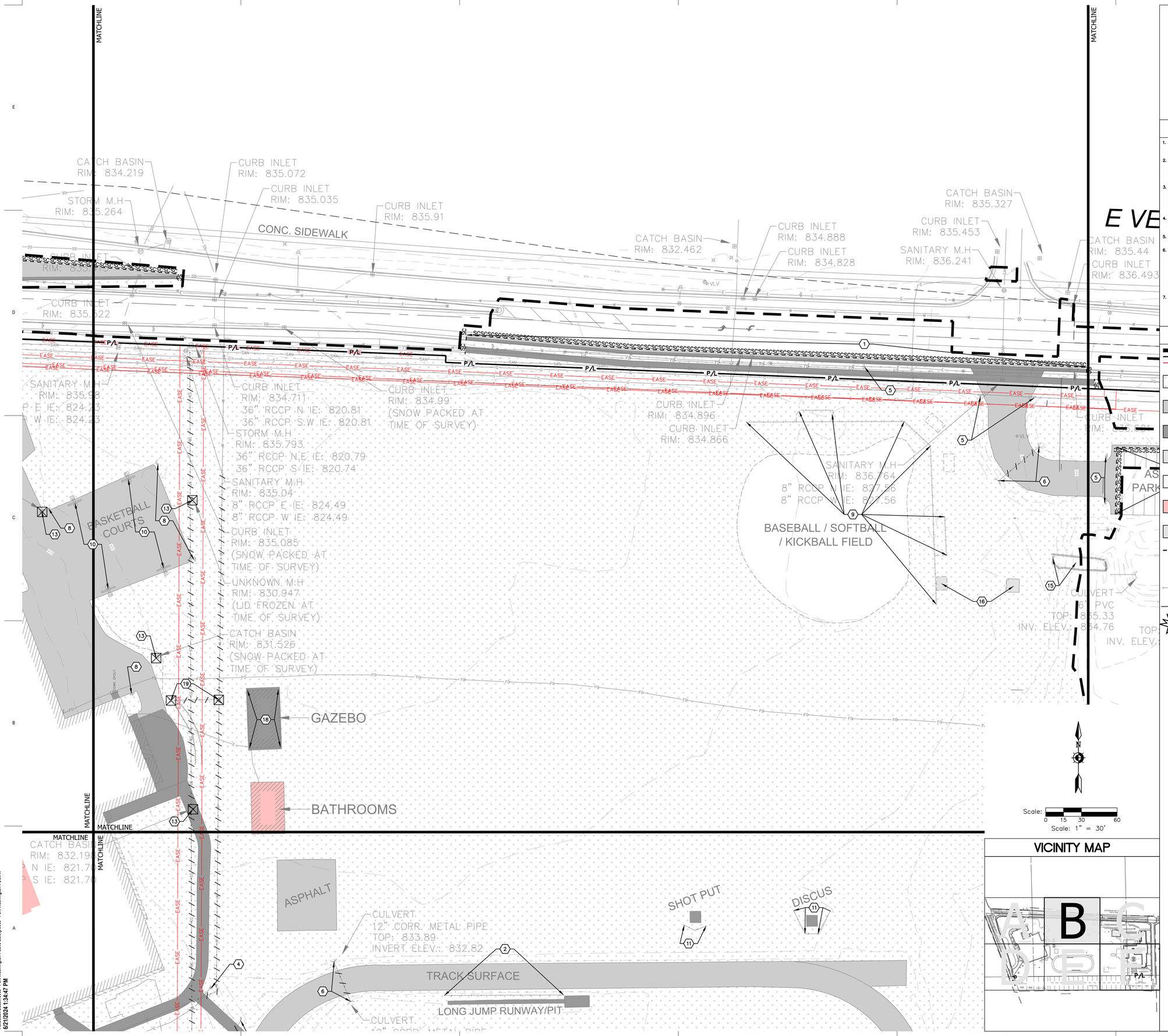


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Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP




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Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St.**
**Mukwonago, WI 53149**

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

**NOT FOR CONSTRUCTION**

Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **SITE DEMOLITION PLAN - AREA B**

Sheet Number: **C1.12B**

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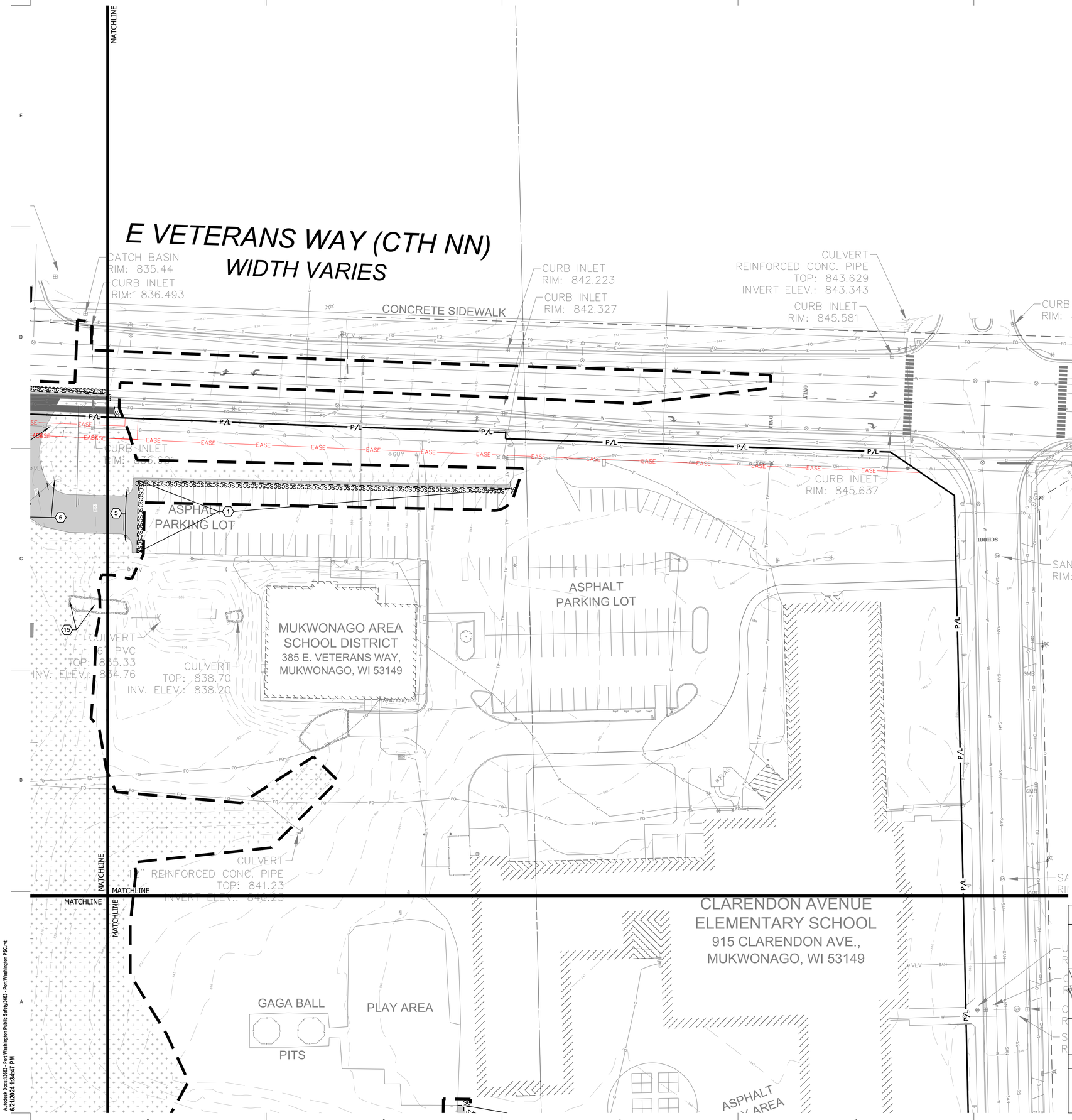


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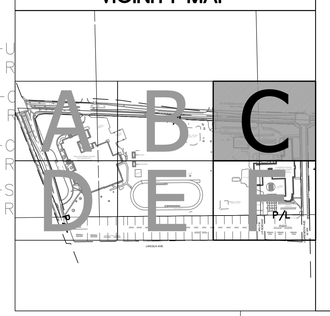


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REVISIONS:

| | DATE | DESCRIPTION |
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Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE DEMOLITION PLAN - AREA C

Sheet Number: C1.13C

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PARK VIEW MIDDLE SCHOOL
930 N. ROCHESTER ST.,
MUKWONAGO, WI 53149

CURB INLET RIM: 830.198
CURB INLET RIM: 829.574
CURB INLET RIM: 829.798
SANITARY M.H RIM: 830.145
STORM M.H RIM: 831.30
CURB INLET RIM: 830.898
SANITARY M.H RIM: 831.866
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8" RCCP W IE: 819.42
CURB INLET RIM: 830.315
CURB INLET RIM: 830.682
STORM M.H RIM: 831.619
CURB INLET RIM: 831.232
CURB INLET RIM: 831.323
CURB INLET RIM: 831.367
CURB INLET RIM: 831.047
TELEPHONE M.H RIM: 831.844
CURB INLET RIM: 830.876
CURB INLET RIM: 831.216
SANITARY M.H RIM: 831.962
CURB INLET RIM: 831.597
CURB INLET RIM: 831.969
STORM M.H RIM: 833.74
36" RCCP E IE: 824.04
36" RCCP W IE: 824.04
CURB INLET RIM: 832.244
STORM M.H RIM: 832.572

CURB INLET RIM: 830.805
STORM M.H RIM: 831.148

CATCH BASIN RIM: 832.19
36" RCCP N IE: 821.7
36" RCCP S IE: 821.70

CATCH BASIN RIM: 832.47
TOP OF DIRT: 829

STORM M.H RIM: 833.574
36" RCCP E IE: 823.86
36" RCCP W IE: 823.86
6" PVC N IE: 825.87

ASPHALT DRIVE
ADD. PARKING
CONCRETE PATHS
CONCRETE SIDEWALK

MATCHLINE

PARCEL 1
CSM 1836
PARCEL 2
CSM 1836
PARCEL 3
CSM 1836
UNPLATTED LANDS

Scale: 0 15 30 60
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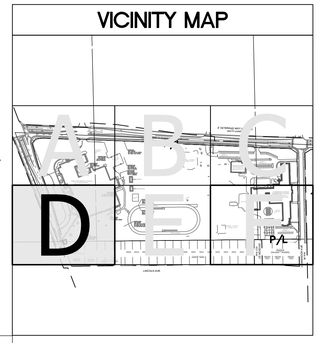


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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St,
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE DEMOLITION PLAN - AREA D

Sheet Number: C1.14D

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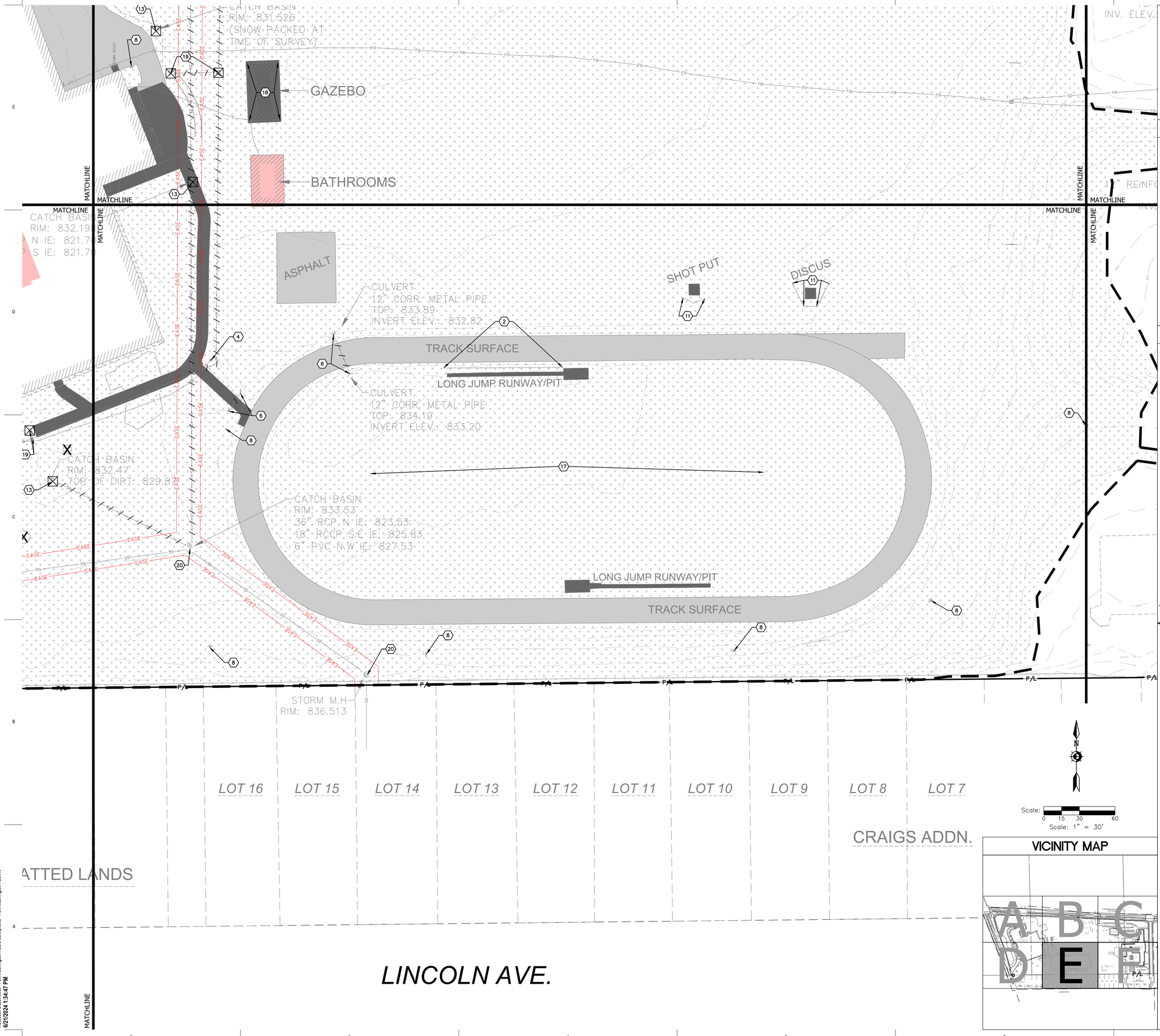


Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP




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**Mukwonago, WI 53149**

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**NOT FOR CONSTRUCTION**

Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **SITE DEMOLITION PLAN - AREA E**

Sheet Number: **C1.15E**

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INV. ELEV.: 838.20

CULVERT
15" REINFORCED CONC. PIPE
TOP: 841.23
INVERT ELEV.: 840.23

MATCHLINE

CLARENDON AVENUE
ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL PITS

PLAY AREA

ASPHALT PLAY AREA

BASEBALL / SOFTBALL / KICKBALL FIELD

PLAY AREA

ASPHALT PARKING LOT

SANITARY M.H
RIM: 844.975

UNKNOWN M.H
RIM: 844.622

CURB INLET
RIM: 843.932

CURB INLET
RIM: 843.871

STORM M.H
RIM: 844.375

SANITARY M.H
RIM: 843.806

STORM M.H
RIM: 842.126

FND. 1" IP 1.82' WEST

REPLAT OF WILSO
SUBDIVISI

OT 6 | LOT 5 | LOT 4 | LOT 3 | LOT 2 | LOT 1

DIVISION ST.
63.2' R/W

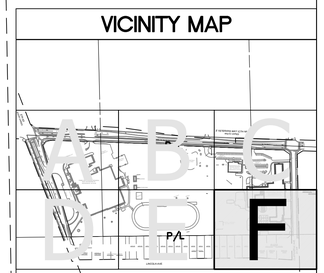
BLOCK B
H.A. YOUMANS ADDN.

PART OF LOT 1 | PART OF LOT 1 | PART OF LOT 1

CLARENDON AVE.
66' R/W

Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP

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Sheet Title: SITE DEMOLITION PLAN - AREA F

Sheet Number: C1.16F

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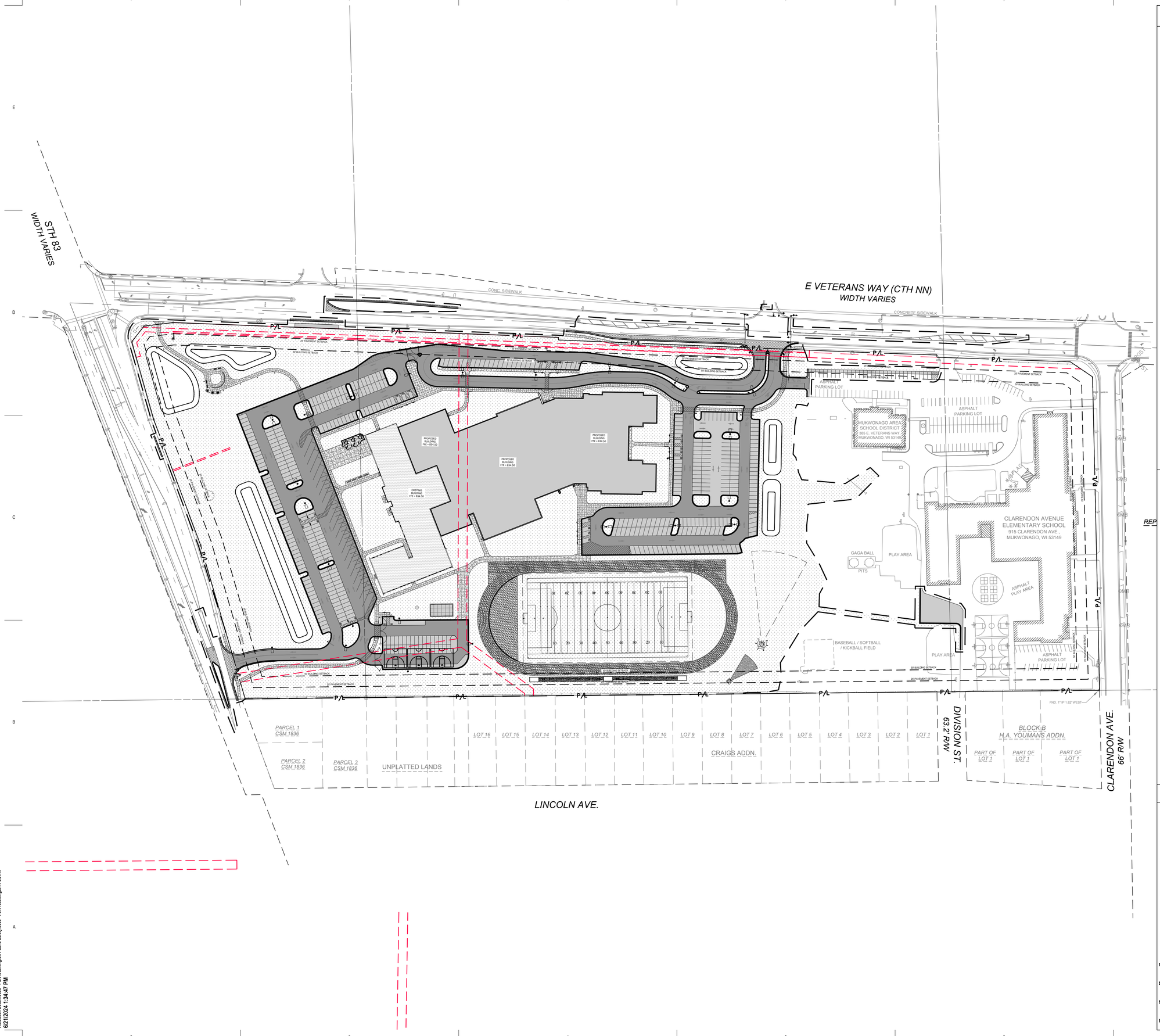


## SITE STATISTICS
## PARK VIEW MIDDLE SCHOOL

PARCEL ADDRESS: 930 NORTH ROCHESTER STREET
MUKWONAGO, WI 53149

PARCEL LEGAL DESCRIPTION: PART OF THE SOUTHEAST ¼ OF SECTION 23, TOWNSHIP 5 NORTH, RANGE 18 EAST, IN THE VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN.

PARCEL AREA: 1,612,646 SQ. FT. OR 37.021 ACRES

ZONING DESIGNATION – P–1 PUBLIC AND SEMIPUBLIC DISTRICT

PARCEL PERVIOUS AREA BEFORE IMPROVEMENTS: 28.650 AC. (77.39%)
PARCEL IMPERVIOUS AREA BEFORE IMPROVEMENTS: 8.371 AC. (22.61%)
PARCEL PERVIOUS AREA AFTER IMPROVEMENTS: 25.166 AC. (67.98%)
PARCEL IMPERVIOUS AREA AFTER IMPROVEMENTS: 11.855 AC. (32.02%)

NET INCREASE IN IMPERVIOUS AREA: 3.484 ACRES

PROPOSED AREA OF LAND DISTURBANCE ON PARCEL: 25.658 ACRES

PARKING SUMMARY

MINIMUM REQUIRED PARKING SPACES: 1 SPACE FOR EVERY 2 STUDENTS AT MAXIMUM ENROLLMENT AND 1 SPACE PER PERSON EMPLOYED AT THE SCHOOL. A PORTION OF THE PARKING MAY BE PROVIDED ON A SOLID SURFACE PLAY AREA, AS DETERMINED BY THE PLAN COMMISSION. (SECTION 100–402(A)(2) OF THE MUNICIPAL CODE)

EXISTING ENROLLMENT: 722 STUDENTS
EXISTING EMPLOYMENT: 100 PERSONS
MINIMUM REQUIRED PARKING SPACES PER CODE: 461 STALLS

EXISTING PARKING STALLS IN WEST PARKING AREA: 12
STANDARD PARKING STALLS: 8
ADA PARKING STALLS: 4

EXISTING PARKING STALLS IN NORTHWEST PARKING AREA: 157
STANDARD PARKING STALLS: 151
ADA PARKING STALLS: 6

EXISTING PARKING STALLS IN NORTHEAST PARKING AREA: 67
STANDARD PARKING STALLS: 67
ADA PARKING STALLS: 0

TOTAL EXISTING PARKING STALLS ON SITE: 236
STANDARD PARKING STALLS: 226
ADA PARKING STALLS: 10

PROPOSED MAXIMUM FUTURE ENROLLMENT: 1,200 STUDENTS
PROPOSED EMPLOYMENT: 150 PERSONS
MINIMUM REQUIRED PARKING SPACES PER CODE: 750 STALLS

PROPOSED PARKING STALLS IN SOUTHWEST PARKING AREA: 36
STANDARD PARKING STALLS: 34
ADA PARKING STALLS: 2

PROPOSED PARKING STALLS IN WEST PARKING AREA: 169
STANDARD PARKING STALLS: 135
OVERFLOW PARKING STALLS: 28
ADA PARKING STALLS: 6

PROPOSED PARKING STALLS IN NORTHWEST PARKING AREA: 60
STANDARD PARKING STALLS: 57
ADA PARKING STALLS: 3

PROPOSED PARKING STALLS IN NORTH PARKING AREA: 28
STANDARD PARKING STALLS: 24
ADA PARKING STALLS: 4

PROPOSED PARKING STALLS IN EAST PARKING AREA: 107
STANDARD PARKING STALLS: 102
ADA PARKING STALLS: 5

PROPOSED PARKING STALLS IN SOUTHEAST PARKING AREA: 82
STANDARD PARKING STALLS: 78
ADA PARKING STALLS: 4

TOTAL PROPOSED PARKING STALLS ON SITE: 482
STANDARD PARKING STALLS: 458
ADA PARKING STALLS: 24

PROPOSED PARKING STALL COUNT IS MORE THAN DOUBLE THE EXISTING STALL COUNT, WHEREAS THE MAXIMUM FUTURE ENROLLMENT WILL BE LESS THAN DOUBLE THE EXISTING ENROLLMENT.

N

Scale: 0 40 80 160
Scale: 1" = 80'

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- NEW ASPHALTIC CONCRETE (HEAVY DUTY) — 1/C2.11
- NEW CONCRETE SLAB (LIGHT DUTY) — 2/C2.11, 3/C2.11
- NEW CONCRETE SLAB (HEAVY DUTY) — 2/C2.11, 3/C2.11
- 18" BARRIER LOW–SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED — 4/C2.11
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Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St.**
**Mukwonago, WI 53149**

REVISIONS:

| # | DATE | DESCRIPTION |
|---|---|---|

**NOT FOR CONSTRUCTION**

Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **OVERALL SITE LAYOUT PLAN**

Sheet Number: **C1.20**

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320

STH 83
WIDTH VARIES

MATCHLINE

BIO-RETENTION BASIN-3
TOP OF BERM 829.00
BOTTOM OF BASIN 825.00

NEW MONUMENT SIGN

P/L

25' PAVEMENT SETBACK

50' BUILDING SETBACK

WIDENED PAVEMENT TO FACILITATE FIRE TRUCK TURN MOVEMENTS

MANUAL SWING GATES TO CONTROL ACCESS

60 TOTAL PARKING STALLS
57 STANDARD STALLS
3 ACCESSIBLE STALLS

NEW BENCHES

NEW SEAT WALL

NEW FLAG POLES

BUS TURNAROUND

NEW UTILITY TRANSFORMER

NEW PAD MOUNTED CT CABINET W/ METER

NEW TRASH ENCLOSURE

MAINTENANCE & RECEIVING AREA

PROPOSED BUILDING
FFE = 834.50

EXISTING BUILDING
FFE = 834.50

NEW BIKE RACKS

169 TOTAL PARKING STALLS
135 STANDARD STALLS
28 OVERFLOW STALLS
6 ACCESSIBLE STALLS

169 TOTAL PARKING STALLS
135 STANDARD STALLS
28 OVERFLOW STALLS
6 ACCESSIBLE STALLS

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

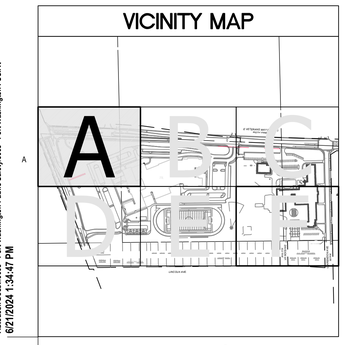
ONLY ONLY

ONLY

N

Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP

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| | | |
|---|---|---|
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| 2 | NEW 30" BARRIER HIGH-SIDE CONCRETE CURB & GUTTER | 6/C2.11 |
| 3 | NEW 24" MOUNTABLE LOW-SIDE CONCRETE CURB & GUTTER | 7/C2.11 |
| 4 | NEW 24" MOUNTABLE HIGH-SIDE CONCRETE CURB & GUTTER | 7/C2.11 |
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| 6 | 10' TRANSITION FROM 24" MOUNTABLE CURB & GUTTER TO 18" BARRIER CURB & GUTTER | 4/C2.11, 8/C2.11 |
| 7 | 3' TRANSITION FROM 18" BARRIER CURB & GUTTER TO ZERO FACE CURB & GUTTER | 1/C2.11, 10/C2.11 |
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| 24 | NEW BASKETBALL COURTS | 1/C2.14, 2/C2.14, 6/C2.14 |
| 25 | CONCRETE SHOT PUT/DISCUS THROWING PAD | 4/C2.15 |
| 26 | RUNNING TRACK RADIUS POINT | 6/C2.15 |
| 27 | LONG JUMP/TRIPLE JUMP RUNWAYS AND SAND PIT BOXES | 1/C2.16, 2/C2.15 |

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**Mukwonago, WI 53149**

REVISIONS:

| ⚠ | DATE | DESCRIPTION |
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Project Number:
**3526**

Issued For:
**PLAN COMMISSION SUBMITTAL**
**4/2/2025**

Sheet Title:
**SITE LAYOUT PLAN - AREA A**

Sheet Number:
**C1.21A**

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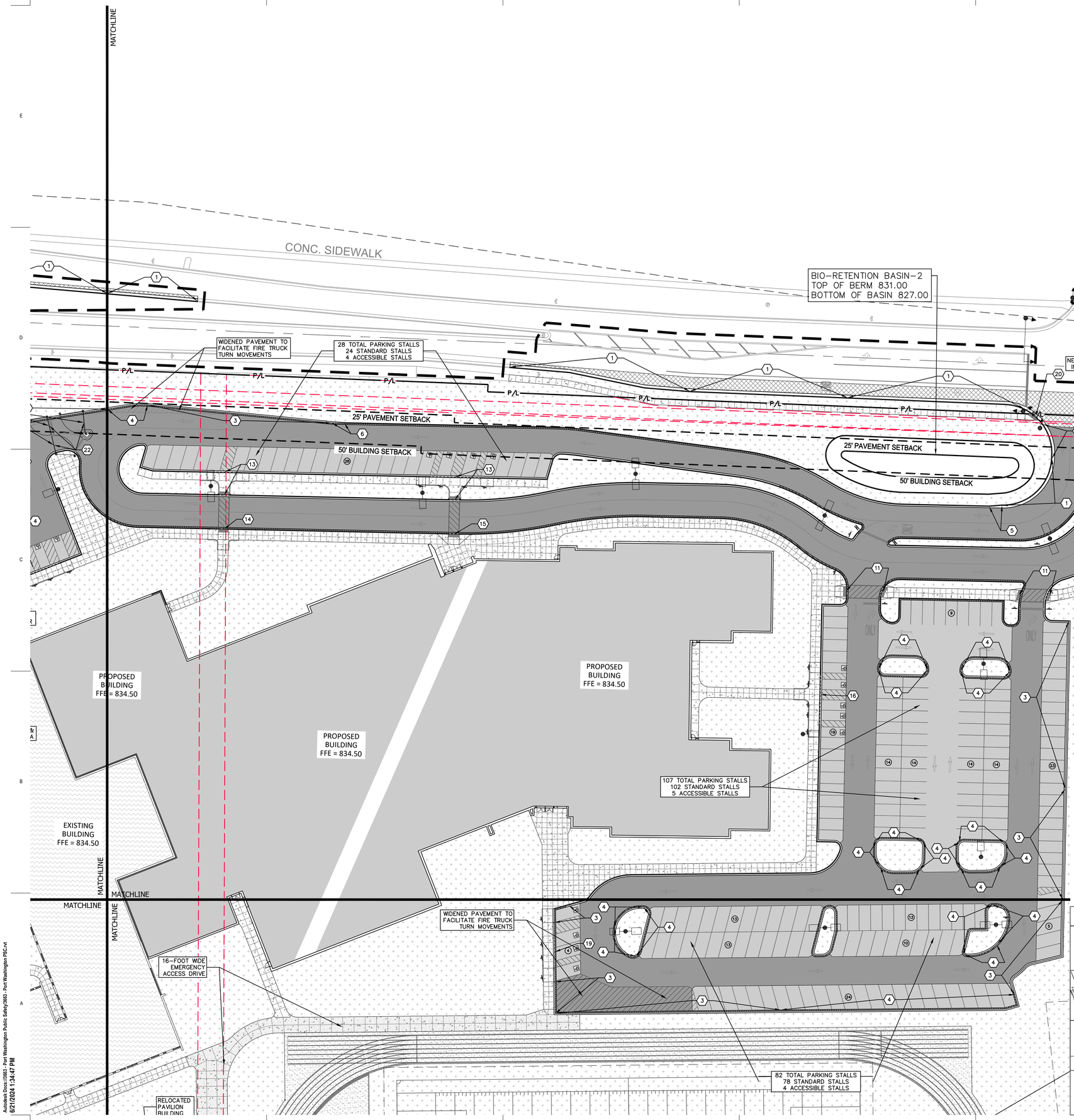
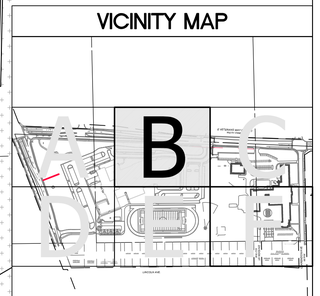



## VICINITY MAP

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Project Title:
**RENOVATION AND ADDITION TO:**
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REVISIONS:

| # | DATE | DESCRIPTION |
|---|---|---|

**NOT FOR CONSTRUCTION**

Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **SITE LAYOUT PLAN - AREA B**

Sheet Number: **C1.22B**

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# E VETERANS WAY (CTH NN)
## WIDTH VARIES

CONCRETE SIDEWALK

MATCHLINE

P/L

25' PAVEMENT SETBACK

50' BUILDING SETBACK

ASPHALT PARKING LOT

MUKWONAGO AREA SCHOOL DISTRICT
385 E. VETERANS WAY,
MUKWONAGO, WI 53149

BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

CLARENDON AVENUE ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL PIT

PLAY AREA

ASPHALT PLAY AREA

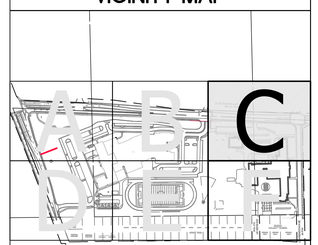
ONYX

SCHOOL

OMB

Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP

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**NOT FOR CONSTRUCTION**

Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **SITE LAYOUT PLAN - AREA C**

Sheet Number: **C1.23C**

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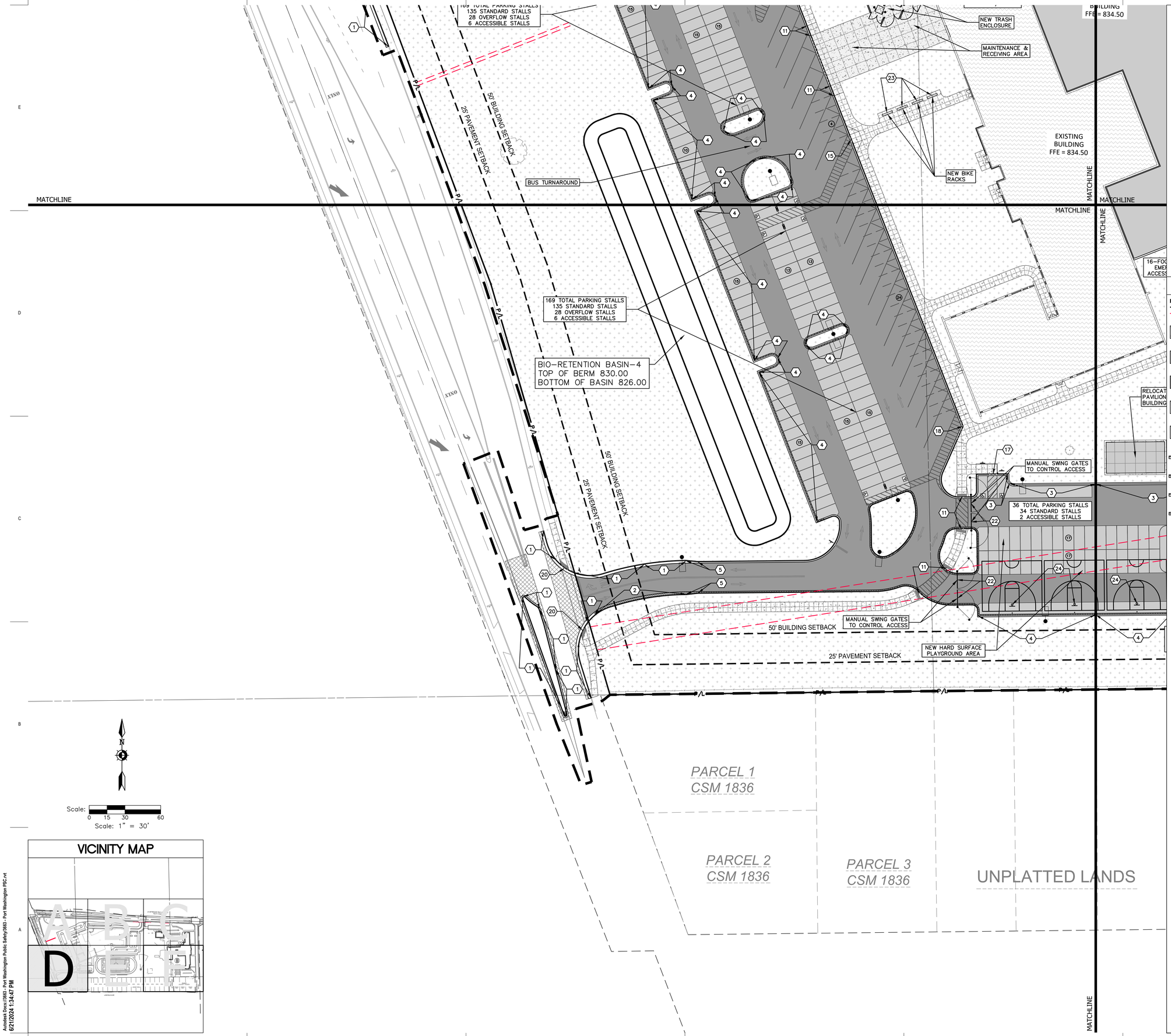


## VICINITY MAP




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| | | |
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| 23 | NEW BIKE RACKS | 3/C2.14 |
| 24 | NEW BASKETBALL COURTS | 4/C2.14, 5/C2.14, 6/C2.14 |
| 25 | CONCRETE SHOT PUT/DISCUS THROWING PAD | 4/C2.15 |
| 26 | RUNNING TRACK RADIUS POINT | 6/C2.15 |
| 27 | LONG JUMP/TRIPLE JUMP RUNWAYS AND SAND PIT BOXES | 2/C2.16, 2/C2.15 |

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Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St.**
**Mukwonago, WI 53149**

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

**NOT FOR CONSTRUCTION**

Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **SITE LAYOUT PLAN - AREA D**

Sheet Number: **C1.24D**

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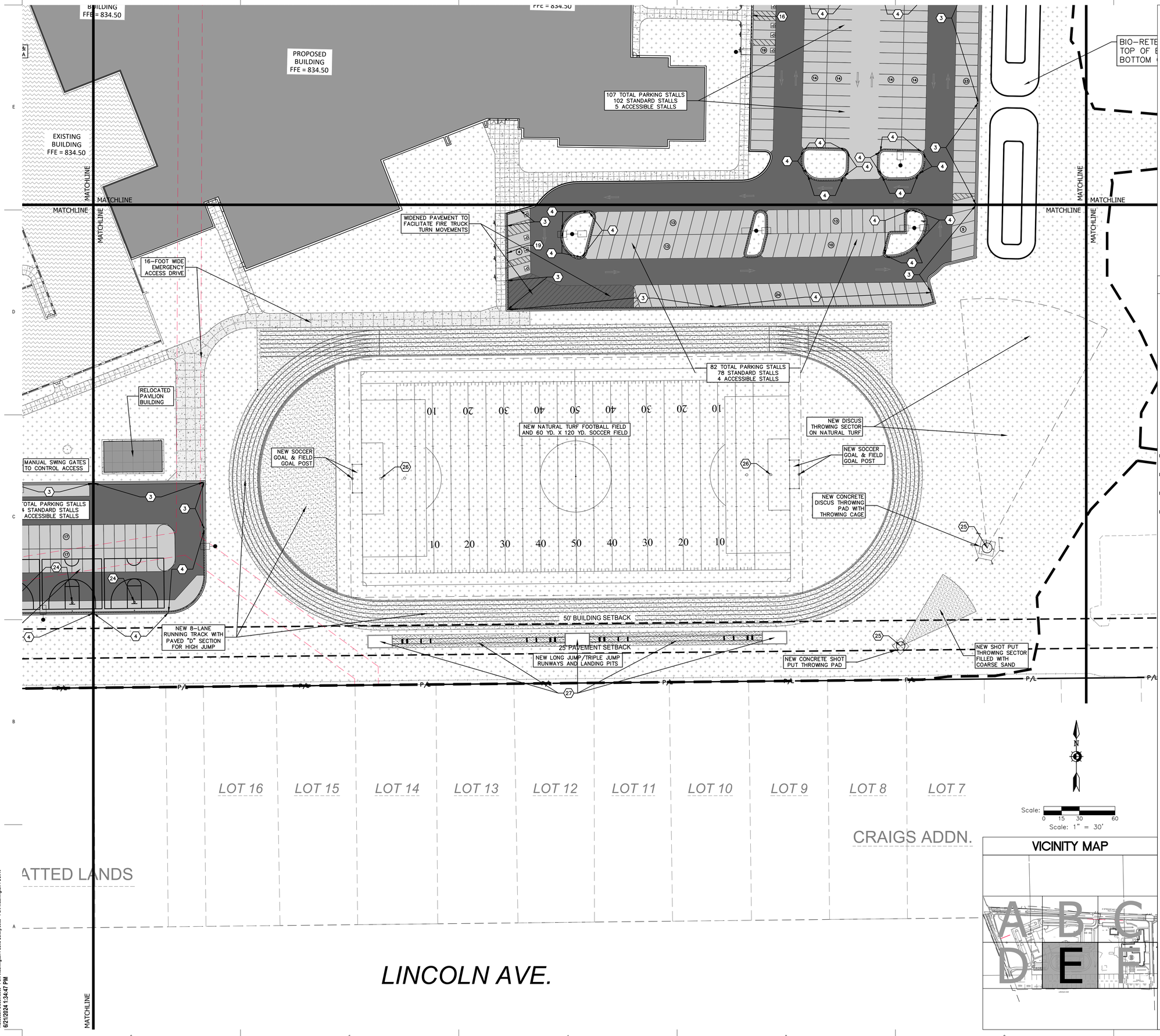


## VICINITY MAP




## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- AREAS DISTURBED BY CONSTRUCTION (NOT SPECIFICALLY CALLED OUT ON THE LANDSCAPE PLANS) TO BE RESTORED WITH MINIMUM 4" TOPSOIL, SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.
- NEW ASPHALTIC CONCRETE (LIGHT DUTY) — 1/C2.11
- NEW ASPHALTIC CONCRETE (HEAVY DUTY) — 1/C2.11
- NEW CONCRETE SLAB (LIGHT DUTY) — 2/C2.11, 3/C2.11
- NEW CONCRETE SLAB (HEAVY DUTY) — 2/C2.11, 3/C2.11
- 18" BARRIER LOW–SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED — 4/C2.11
- 18" BARRIER HIGH–SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED — 1/C2.11
- 18" DEPRESSED LOW–SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED — 5/C2.11
- 18" DEPRESSED HIGH–SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED — 3/C2.11

| | | |
|---|---|---|
| 1 | NEW 30" BARRIER LOW–SIDE CONCRETE CURB & GUTTER | 6/C2.11 |
| 2 | NEW 30" BARRIER HIGH–SIDE CONCRETE CURB & GUTTER | 6/C2.11 |
| 3 | NEW 24" MOUNTABLE LOW–SIDE CONCRETE CURB & GUTTER | 7/C2.11 |
| 4 | NEW 24" MOUNTABLE HIGH–SIDE CONCRETE CURB & GUTTER | 7/C2.11 |
| 5 | 10' TRANSITION FROM 18" BARRIER CURB & GUTTER TO 30" BARRIER CURB & GUTTER | 4/C2.11, 6/C2.11 |
| 6 | 10' TRANSITION FROM 24" MOUNTABLE CURB & GUTTER TO 18" BARRIER CURB & GUTTER | 4/C2.11, 8/C2.11 |
| 7 | 3' TRANSITION FROM 18" BARRIER CURB & GUTTER TO ZERO FACE CURB & GUTTER | 4/C2.11, 10/C2.11 |
| 8 | 3' TRANSITION FROM 30" BARRIER CURB & GUTTER TO ZERO FACE CURB & GUTTER | 6/C2.11, 10/C2.11 |
| 9 | 3' TRANSITION FROM 24" MOUNTABLE CURB & GUTTER TO ZERO FACE CURB & GUTTER | 8/C2.11, 10/C2.11 |
| 10 | 9' TRANSITION FROM 18" BARRIER CURB & GUTTER TO 18" DEPRESSED CURB & GUTTER. | 8/C2.11 |
| 11 | NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS | 13/C2.11, 12/C2.11 |
| 12 | NEW ACCESSIBILITY RAMP | 1/C2.12 |
| 13 | NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS | 2/C2.12, 12/C2.11 |
| 14 | NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS | 3/C2.12, 12/C2.11 |
| 15 | NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS | 4/C2.12, 12/C2.11 |
| 16 | NEW ACCESSIBILITY RAMP | |
| 17 | NEW ACCESSIBILITY RAMP | 8/C2.12 |
| 18 | NEW ACCESSIBILITY RAMP | 6/C2.11 |
| 19 | NEW ACCESSIBILITY RAMP | 6/C2.11 |
| 20 | NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS | 8/C2.11 |
| 21 | NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS | 6/C2.11 |
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| 23 | NEW BIKE RACKS | 1/C2.14 |
| 24 | NEW BASKETBALL COURTS | 4/C2.14, 5/C2.14, 6/C2.14 |
| 25 | CONCRETE SHOT PUT/DISCUS THROWING PAD | 4/C2.15 |
| 26 | RUNNING TRACK RADIUS POINT | 6/C2.15 |
| 27 | LONG JUMP/TRIPLE JUMP RUNWAYS AND SAND PIT BOXES | 1/C2.16, 2/C2.15 |

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Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE LAYOUT PLAN - AREA E

Sheet Number: C1.25E

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BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

MATCHLINE

CLARENDON AVENUE
ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL PITS

PLAY AREA

ASPHALT PLAY AREA

BASEBALL / SOFTBALL / KICKBALL FIELD

PLAY AREA

ASPHALT PARKING LOT

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

FND. 1" IP 1.82' WEST

REPLAT OF WILSO
SUBDIVISI

LOT 6 | LOT 5 | LOT 4 | LOT 3 | LOT 2 | LOT 1

DIVISION ST.
63.2' R/W

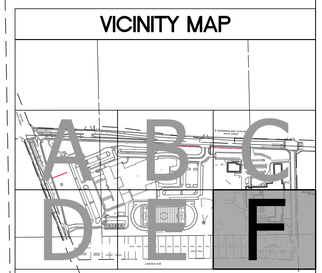
BLOCK B
H.A. YOUMANS ADDN.

PART OF LOT 1 | PART OF LOT 1 | PART OF LOT 1

CLARENDON AVE.
66' R/W

Scale: 0 15 30 60
Scale: 1" = 30'

VICINITY MAP

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## KEY INDEX

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- 18" DEPRESSED LOW-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED — 5/C2.11
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- (5) 10' TRANSITION FROM 18" BARRIER CURB & GUTTER TO 30" BARRIER CURB & GUTTER — 4/C2.11, 6/C2.11
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- (7) 3' TRANSITION FROM 18" BARRIER CURB & GUTTER TO ZERO FACE CURB & GUTTER — 4/C2.11, 10/C2.11
- (8) 3' TRANSITION FROM 30" BARRIER CURB & GUTTER TO ZERO FACE CURB & GUTTER — 6/C2.11, 10/C2.11
- (9) 3' TRANSITION FROM 24" MOUNTABLE CURB & GUTTER TO ZERO FACE CURB & GUTTER — 8/C2.11, 10/C2.11
- (10) 9' TRANSITION FROM 18" BARRIER CURB & GUTTER TO 18" DEPRESSED CURB & GUTTER. — 6/C2.11
- (11) NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS — 13/C2.11, 12/C2.11
- (12) NEW ACCESSIBILITY RAMP — 1/C2.12
- (13) NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS — 2/C2.12, 12/C2.11
- (14) NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS — 3/C2.12, 12/C2.11
- (15) NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS — 4/C2.12, 12/C2.11
- (16) NEW ACCESSIBILITY RAMP
- (17) NEW ACCESSIBILITY RAMP — 6/C2.12
- (18) NEW ACCESSIBILITY RAMP — 6/C2.11
- (19) NEW ACCESSIBILITY RAMP — 8/C2.11
- (20) NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS — 6/C2.11
- (21) NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS — 6/C2.11
- (22) NEW ORNAMENTAL STEEL MANUAL SECURITY GATES — 2/C2.14
- (23) NEW BIKE RACKS — 3/C2.14
- (24) NEW BASKETBALL COURTS — 4/C2.14, 5/C2.14, 6/C2.14
- (25) CONCRETE SHOT PUT/DISCUS THROWING PAD — 4/C2.15
- (26) RUNNING TRACK RADIUS POINT — 8/C2.15
- (27) LONG JUMP/TRIPLE JUMP RUNWAYS AND SAND PIT BOXES — 1/C2.16, 2/C2.16

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Mukwonago Area School District
930 N Rochester St,
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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE LAYOUT PLAN - AREA F

Sheet Number: C1.26F

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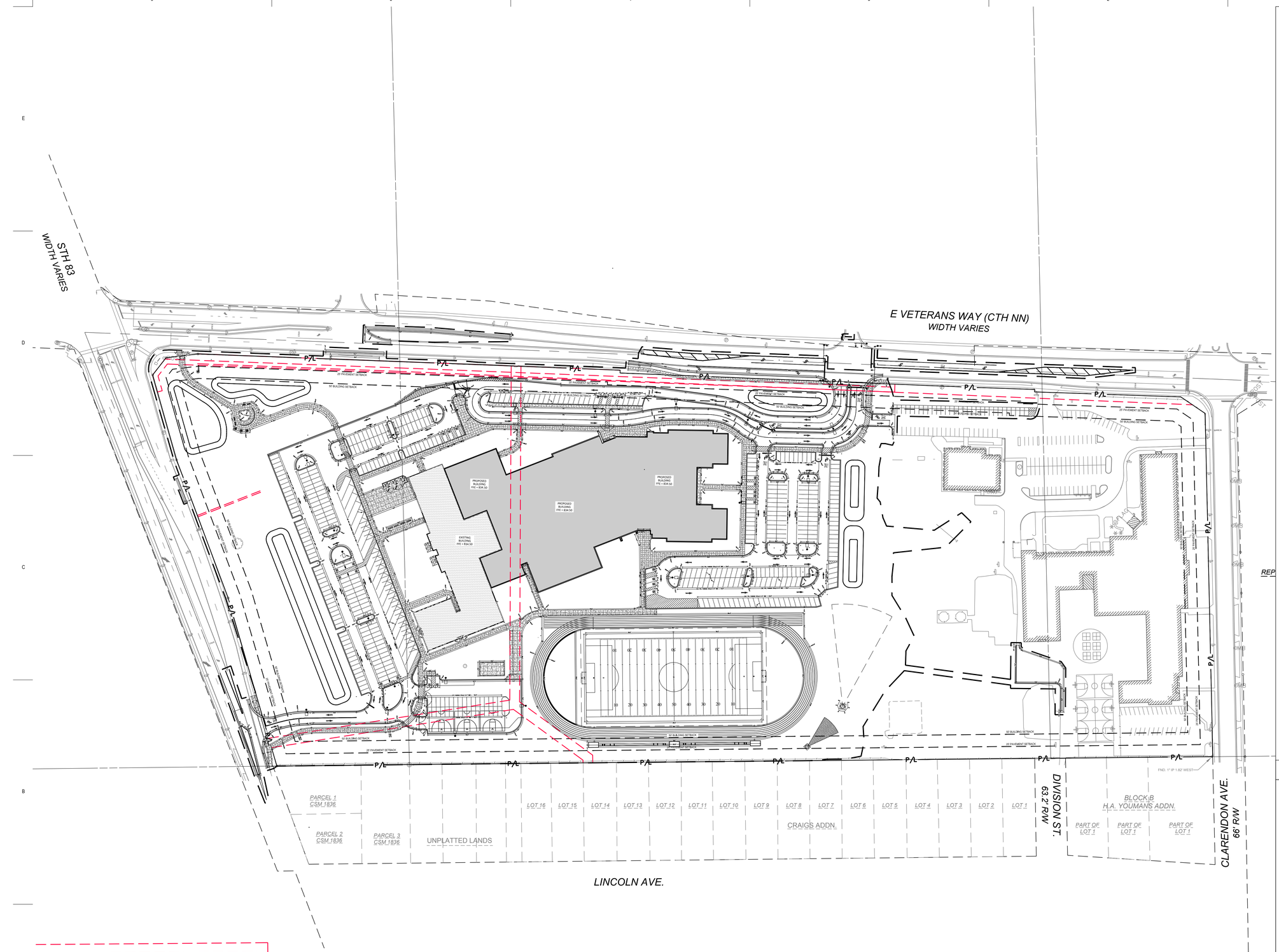


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Project Number:
3526

Issued For:
PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
OVERALL SITE SIGNAGE & TRAFFIC CONTROL PLAN

Sheet Number:
C1.30

Scale: 0 40 80 160
Scale: 1" = 80'

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## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- (1) PAVEMENT MARKING ARROWS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.)
- (2) PAVEMENT MARKING WORDS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.)
- (3) PAVEMENT MARKING STOP LINE, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.)
- (4) PAVEMENT MARKING MANLINE, LATEX PAVEMENT MARKING PAINT, 4" YELLOW (DOUBLE) (SEE WisDOT PAVEMENT MARKING S.D.D.)
- (5) PAVEMENT MARKING INTERSECTION, LATEX PAVEMENT MARKING PAINT, 4" WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.)
- (6) PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, WHITE, 4-INCH WIDE DIAGONAL STRIPING, 3' O.C. SPACING
- (7) PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, WHITE, 6-INCH WIDE TRANSVERSE LINES, 6-FOOT SPACING. (SEE WisDOT PAVEMENT MARKING S.D.D.)
- (8) NEW ACCESSIBLE PARKING SYMBOL (TYP.). → 8/C2.12
- (9) NEW ACCESSIBLE SIGN (TYP.). → 9/C2.12
- (10) NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS → 1/C2.13
- (11) NEW 4" WHITE PAINT → 2

## SIGN INDEX

(A) STOP — R1-1, 30" X 30"

DO NOT ENTER — R5-1, 30" X 30" (B)

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STH 83
WIDTH VARIES

MATCHLINE

P/L

25' PAVEMENT SETBACK

50' BUILDING SETBACK

PROPOSED BUILDING FFE = 834.50

EXISTING BUILDING FFE = 834.50

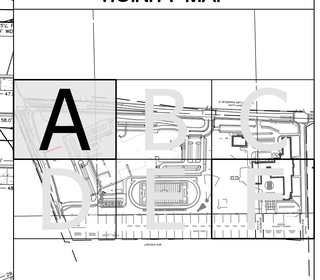
MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

## VICINITY MAP



## KEY INDEX

- PROJECT LIMITS
- P/L PROPERTY LINE
- EASE EASEMENT LINE

| | | |
|---|---|---|
| 1 | PAVEMENT MARKING ARROWS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.) | |
| 2 | PAVEMENT MARKING WORDS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.) | |
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| 4 | PAVEMENT MARKING MAINLINE, LATEX PAVEMENT MARKING PAINT, 4" YELLOW (DOUBLE) (SEE WisDOT PAVEMENT MARKING S.D.D.) | |
| 5 | PAVEMENT MARKING INTERSECTION, LATEX PAVEMENT MARKING PAINT, 4" WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.) | |
| 6 | PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, WHITE, 4—INCH WIDE DIAGONAL STRIPING, 3' O.C. SPACING | |
| 7 | PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, WHITE, 6—INCH WIDE TRANSVERSE LINES, 6—FOOT SPACING, (SEE WisDOT PAVEMENT MARKING S.D.D.) | |
| 8 | NEW ACCESSIBLE PARKING SYMBOL (TYP.). | 8 C2.12 |
| 9 | NEW ACCESSIBLE SIGN (TYP.). | 9 C2.12 |
| 10 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 1 C2.13 |
| 11 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 2 C2.13 |
| 12 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 3 C2.13 |
| 13 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 4 C2.13 |
| 14 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 5 C2.13 |
| 15 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 6 C2.13 |
| 16 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 7 C2.13 |
| 17 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | |

## SIGN INDEX

A — STOP — R1-1 30" X 30"

B — DO NOT ENTER — R5-1 30" X 30"

Scale: 0 15 30 60
Scale: 1" = 30'

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**Mukwonago, WI 53149**

REVISIONS:

| | DATE | DESCRIPTION |
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Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA A**

Sheet Number: **C1.31A**

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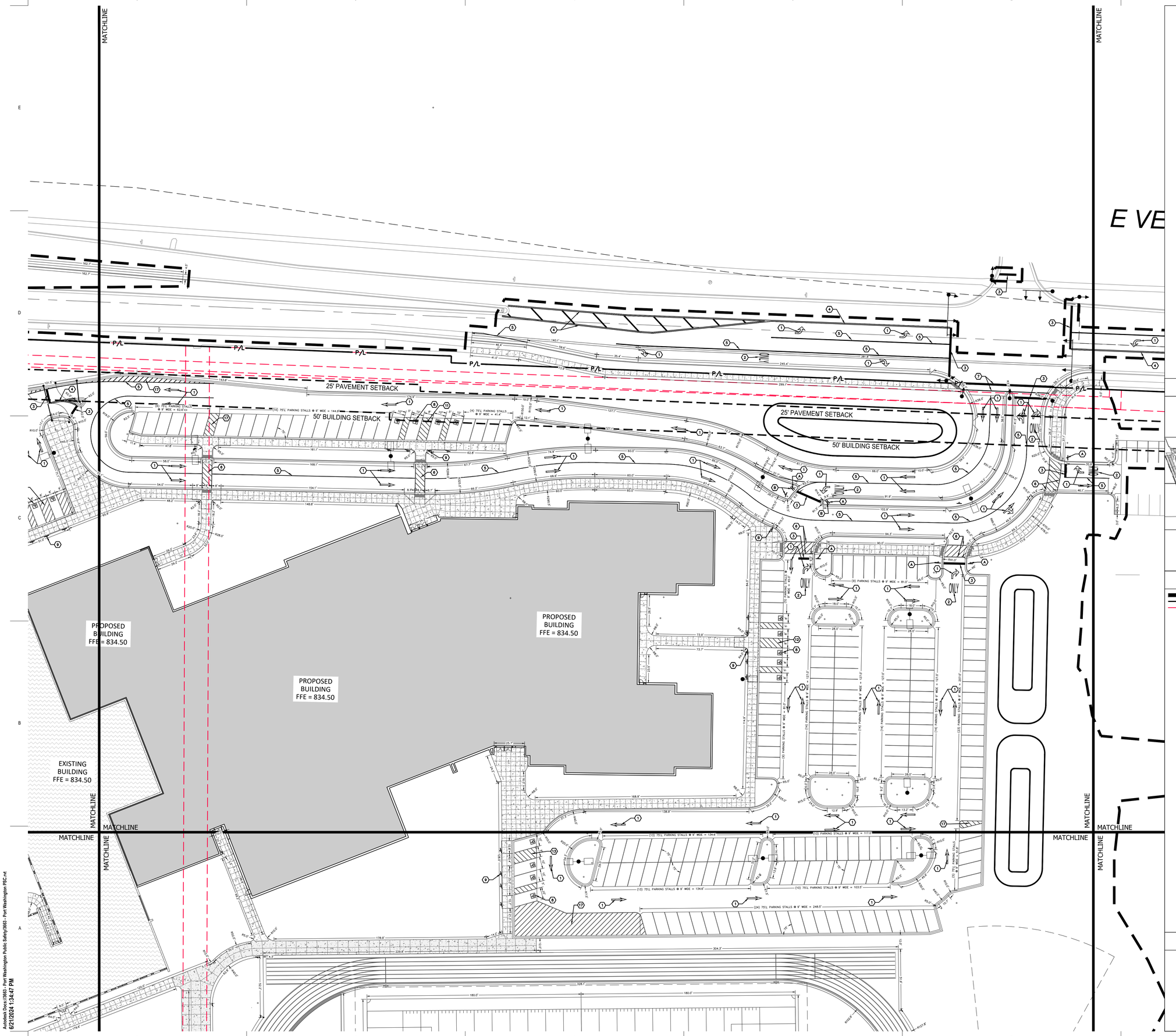


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Scale: 1" = 30'

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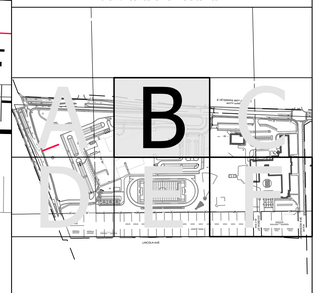
## VICINITY MAP




## KEY INDEX

| | | |
|---|---|---|
| | PROJECT LIMITS | |
| P/L | PROPERTY LINE | |
| EASE | EASEMENT LINE | |
| 1 | PAVEMENT MARKING ARROWS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.) | |
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| 7 | PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, WHITE, 6-INCH WIDE TRANSVERSE LINES, 6-FOOT SPACING, (SEE WisDOT PAVEMENT MARKING S.D.D.) | |
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| 9 | NEW ACCESSIBLE SIGN (TYP.). | 9 C2.12 |
| 10 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 1 C2.13 |
| 11 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 2 C2.13 |
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| 13 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 4 C2.13 |
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| 15 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 6 C2.13 |
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REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

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Project Number:
**3526**

Issued For:
**PLAN COMMISSION SUBMITTAL**
**4/2/2025**

Sheet Title:
**SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA B**

Sheet Number:
**C1.32B**

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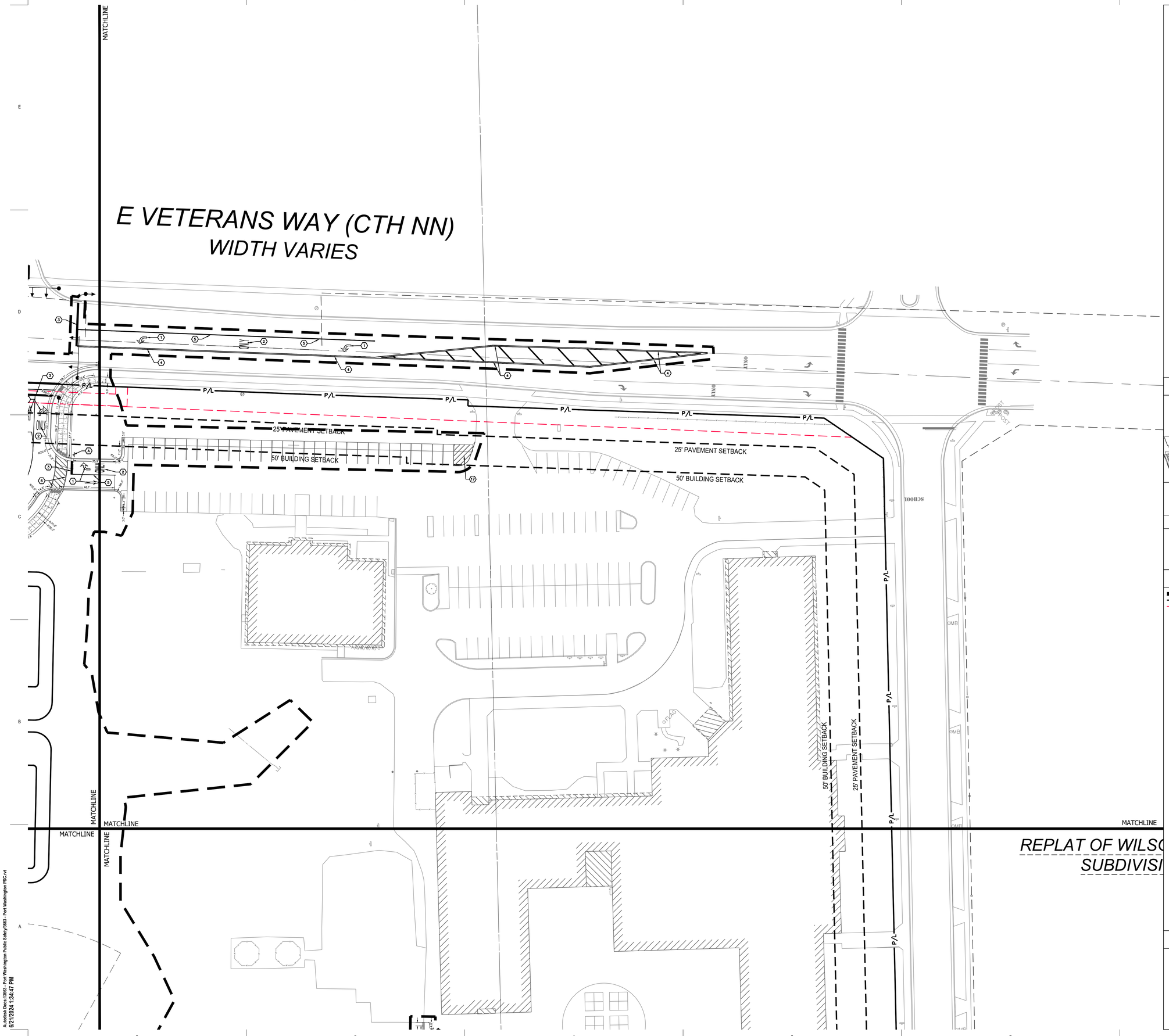


Scale:
0 15 30 60
Scale: 1" = 30'

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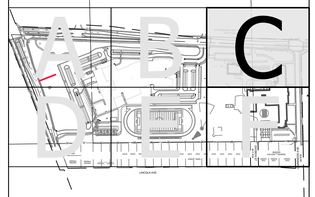
## VICINITY MAP

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- EASE — EASEMENT LINE
- 1 — PAVEMENT MARKING ARROWS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.)
- 2 — PAVEMENT MARKING WORDS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.)
- 3 — PAVEMENT MARKING STOP LINE, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.)
- 4 — PAVEMENT MARKING MAINLINE, LATEX PAVEMENT MARKING PAINT, 4" YELLOW (DOUBLE) (SEE WisDOT PAVEMENT MARKING S.D.D.)
- 5 — PAVEMENT MARKING INTERSECTION, LATEX PAVEMENT MARKING PAINT, 4" WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.)
- 6 — PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, WHITE, 4—INCH WIDE DIAGONAL STRIPING, 3' O.C. SPACING
- 7 — PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, WHITE, 6—INCH WIDE TRANSVERSE LINES, 6—FOOT SPACING. (SEE WisDOT PAVEMENT MARKING S.D.D.)
- 8 — NEW ACCESSIBLE PARKING SYMBOL (TYP.). (8 C2.12)
- 9 — NEW ACCESSIBLE SIGN (TYP.). (9 C2.12)
- 10 — NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS (1 C2.13)
- 11 — NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS (2 C2.13)
- 12 — NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS (3 C2.13)
- 13 — NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS (4 C2.13)
- 14 — NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS (5 C2.13)
- 15 — NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS (6 C2.13)
- 16 — NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS (7 C2.13)
- 17 — NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS

## SIGN INDEX

(A) STOP — R1—1, 30" X 30"

(B) DO NOT ENTER — R5—1, 30" X 30"

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Project Title:
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Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA C

Sheet Number: C1.33C

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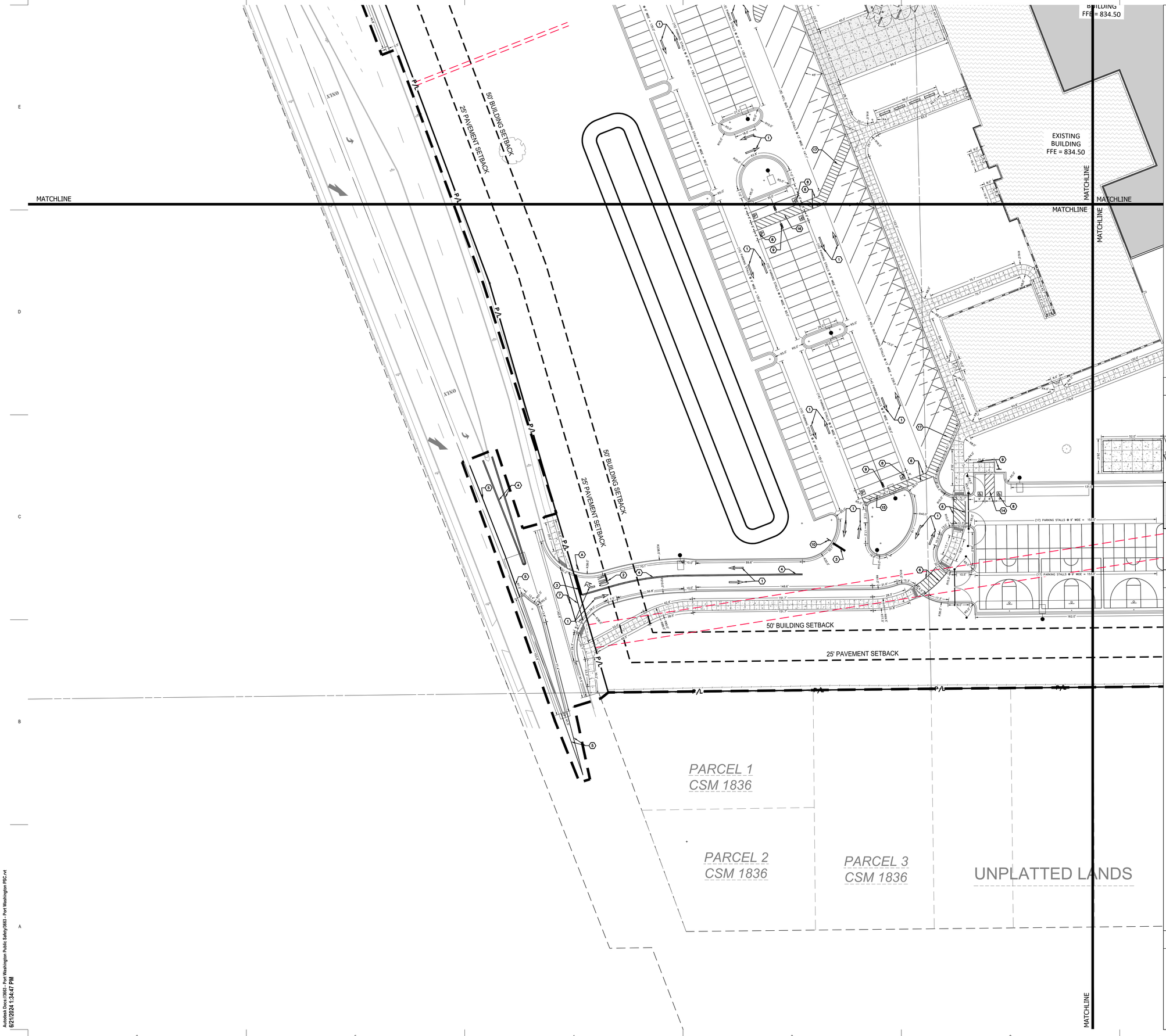


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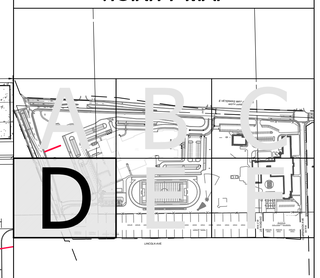
## VICINITY MAP




## KEY INDEX

- PROJECT LIMITS
- P/L PROPERTY LINE
- EASE EASEMENT LINE

| | | |
|---|---|---|
| 1 | PAVEMENT MARKING ARROWS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WisDOT PAVEMENT MARKING S.D.D.) | |
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Project Title:
**RENOVATION AND ADDITION TO:**
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**930 N Rochester St.**
**Mukwonago, WI 53149**

REVISIONS:

| | DATE | DESCRIPTION |
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Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA D**

Sheet Number: **C1.34D**

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PROPOSED BUILDING FFE = 834.50

EXISTING BUILDING FFE = 834.50

MATCHLINE

50' BUILDING SETBACK

25' PAVEMENT SETBACK

LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5

CRAIGS ADDN.

ATTED LANDS

LINCOLN AVE.

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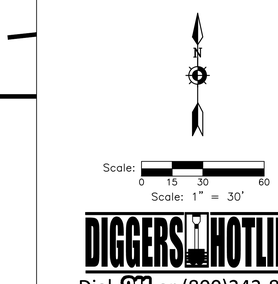


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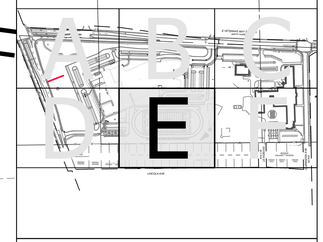


## KEY INDEX

- PROJECT LIMITS
- P/L PROPERTY LINE
- EASE EASEMENT LINE

| | | |
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**Mukwonago Area School District**
**930 N Rochester St,**
**Mukwonago, WI 53149**

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Project Number:
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Issued For:
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**4/2/2025**

Sheet Title:
**SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA E**

Sheet Number:
**C1.35E**

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MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

50' BUILDING SETBACK

25' PAVEMENT SETBACK

50' BUILDING SETBACK

25' PAVEMENT SETBACK

FND. 1" IP 1.82' WEST

REPLAT OF WILSO
SUBDIVISI

OT 6

LOT 5

LOT 4

LOT 3

LOT 2

LOT 1

DIVISION ST.
63.2' R/W

BLOCK B
H.A. YOUMANS ADDN.

PART OF
LOT 1

PART OF
LOT 1

PART OF
LOT 1

CLARENDON AVE.
66' R/W

MATCHLINE

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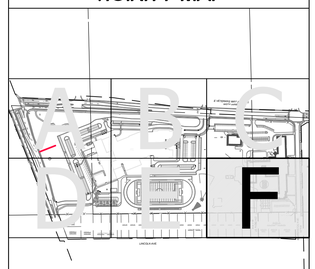
## VICINITY MAP




## KEY INDEX

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EASE EASEMENT LINE

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## SIGN INDEX

A — STOP — R1-1 30" X 30"

B — DO NOT ENTER — R5-1 30" X 30"

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**Mukwonago Area School District**
**930 N Rochester St.**
**Mukwonago, WI 53149**

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Sheet Title:
**SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA F**

Sheet Number:
**C1.36F**

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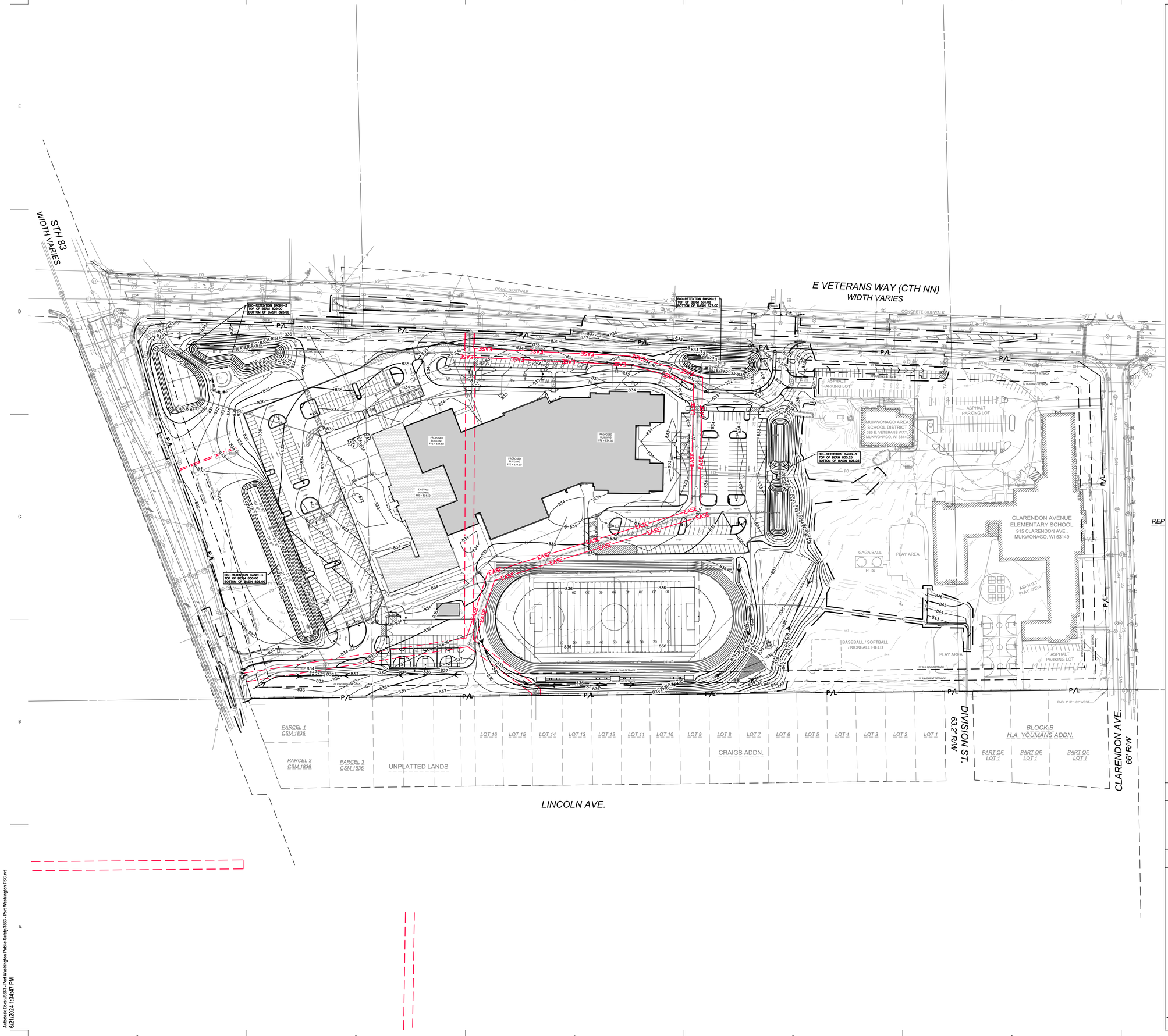


## GRADING NOTES

GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND / OR RELOCATION / ELEVATION ADJUSTMENT OF ALL EXISTING PUBLIC OR PRIVATE UTILITIES WITHIN THE PROJECT LIMITS THAT MAY BE AFFECTED BY TOPOGRAPHICAL CHANGES, UTILITIES, OR OTHER PROPOSED CONSTRUCTION ON THE PROJECT, INCLUDING BUT NOT LIMITED TO ELECTRICAL / FIBER OPTIC / TELEPHONE / CABLE / GAS / WATER / SANITARY / STORM. DEMOLITION / RELOCATION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND UTILITY OWNER REGULATIONS.

## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- 999 — EXISTING CONTOUR MINOR
- 999 — EXISTING CONTOUR MAJOR
- 999 — PROPOSED CONTOUR MINOR
- 999 — PROPOSED CONTOUR MAJOR
- 970.00 — PROPOSED SPOT GRADE
- 970.0± — MATCH EXISTING GRADE
- T970.00 — PROPOSED TOP OF CURB GRADE, REFER TO SITE LAYOUT PLANS FOR MORE INFORMATION. GUTTER IS 6" BELOW TOP OF CURB UNLESS OTHERWISE NOTED.
- T970.0± — MATCH EXISTING TOP OF CURB GRADE
- TW970.00 / BW965.00 — PROPOSED TOP OF WALL, PROPOSED BOTTOM OF WALL
- TW970.0± / BW965.0± — MATCH EXISTING TOP OF WALL, MATCH EXISTING BOTTOM OF WALL
- DRAINAGE SWALE

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Scale: 1" = 80'

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Sheet Title: **OVERALL SITE GRADING PLAN**

Sheet Number: **C1.40**

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Mukwonago, WI 53149

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Project Number: 3526

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Sheet Title: SITE GRADING PLAN - AREA A

Sheet Number: C1.41A

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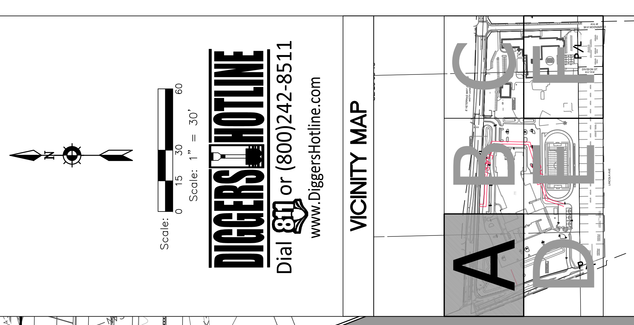


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KEY INDEX

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- PROPERTY LINE
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- MATCH EXISTING TOP OF WALL / MATCH EXISTING BOTTOM OF WALL
- DRAINAGE SWALE




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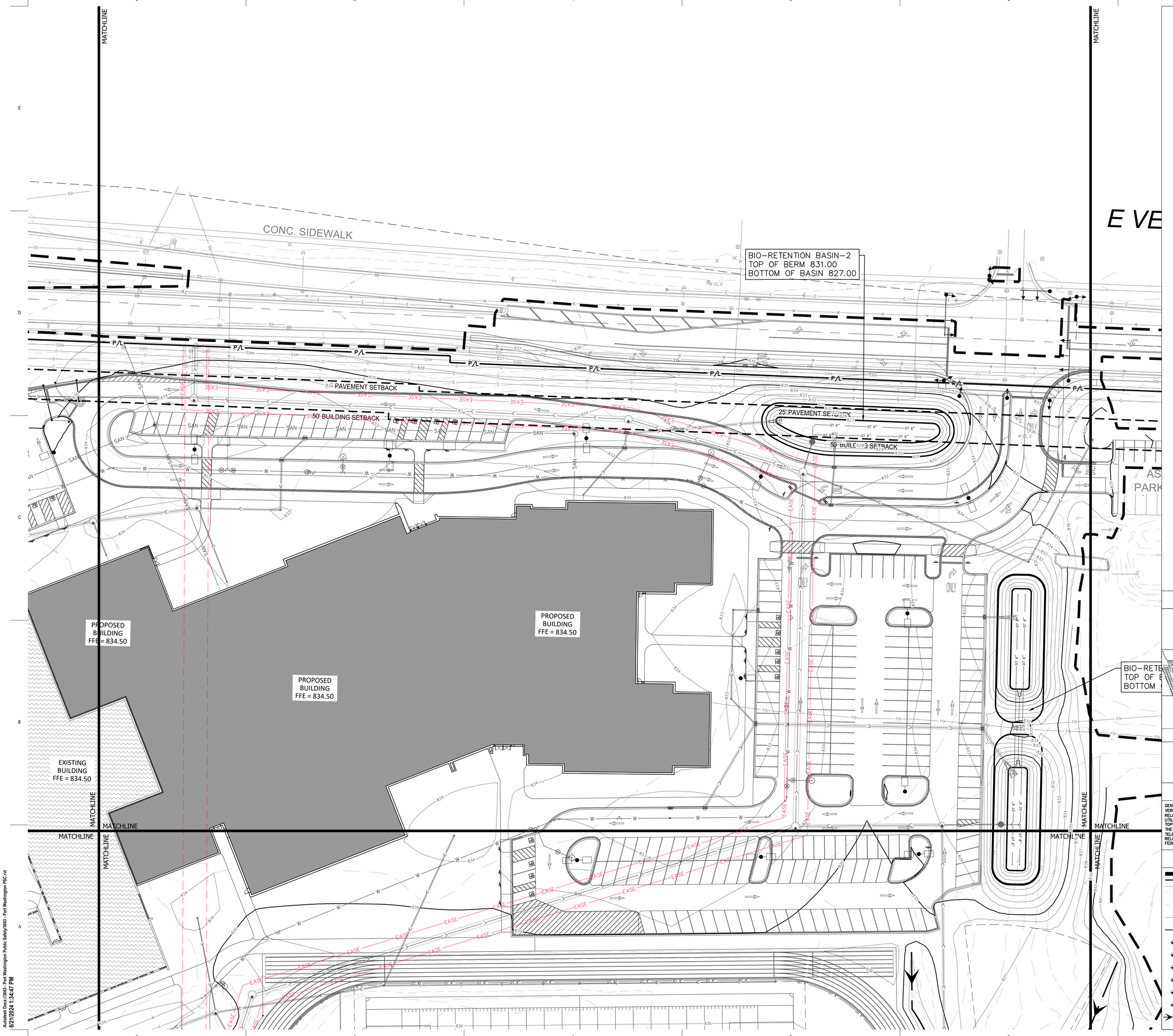


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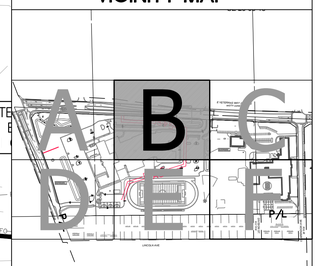


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Sheet Title: SITE GRADING PLAN - AREA B

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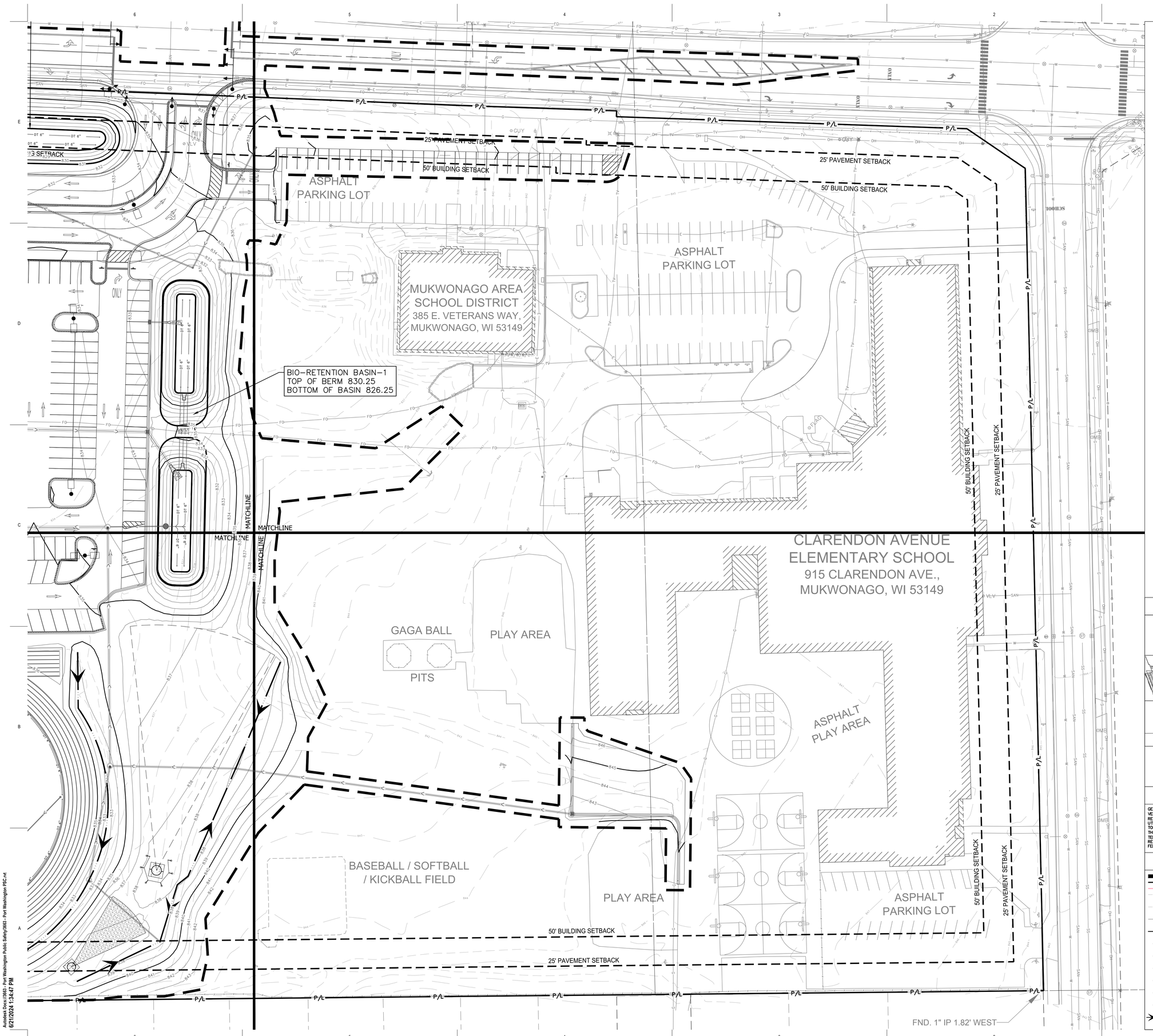


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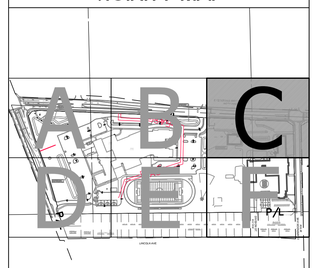
## VICINITY MAP

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- TW970.0± / BW965.0± — MATCH EXISTING TOP OF WALL / MATCH EXISTING BOTTOM OF WALL
- DRAINAGE SWALE

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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St,
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE GRADING PLAN - AREA C

Sheet Number: C1.43C

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MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

EXISTING BUILDING FFE = 834.50

EXISTING BUILDING FFE = 834.50

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

50' BUILDING SETBACK

25' PAVEMENT SETBACK

50' BUILDING SETBACK

25' PAVEMENT SETBACK

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

PARCEL 1
CSM 1836

PARCEL 2
CSM 1836

PARCEL 3
CSM 1836

UNPLATTED LANDS

MATCHLINE

Scale:
0 15 30 60
Scale: 1" = 30'

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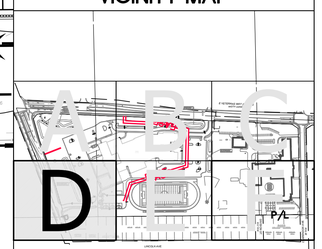
## VICINITY MAP

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Project Title:
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REVISIONS:

| | DATE | DESCRIPTION |
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NOT FOR CONSTRUCTION

Project Number:
3526

Issued For:
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4/2/2025

Sheet Title:
SITE GRADING PLAN - AREA D

Sheet Number:
C1.44D

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PROPOSED BUILDING FFE = 834.50

EXISTING BUILDING FFE = 834.50

MATCHLINE

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

EASE

LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5

CRAIGS ADDN.

ATTED LANDS

LINCOLN AVE.

Scale: 0 15 30 60

Scale: 1" = 30'

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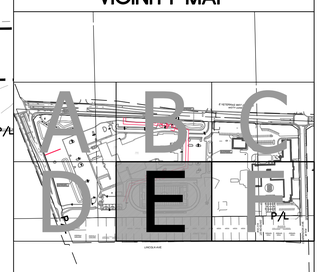
## VICINITY MAP

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Project Number:
3526

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4/2/2025

Sheet Title:
SITE GRADING PLAN - AREA E

Sheet Number:
C1.45E

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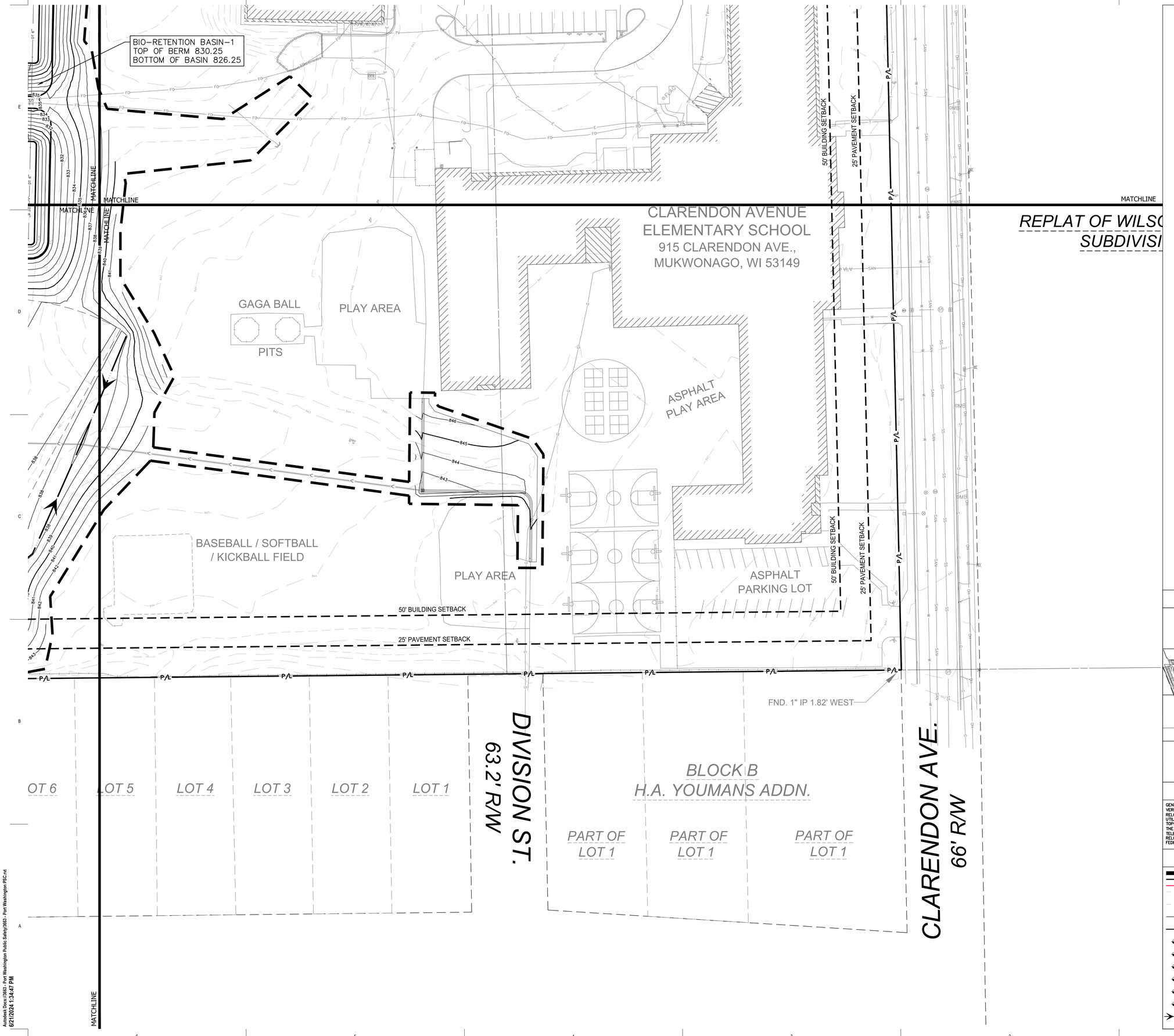


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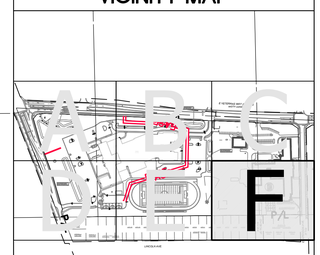


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REVISIONS:

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Sheet Title: SITE GRADING PLAN - AREA F

Sheet Number: C1.46F

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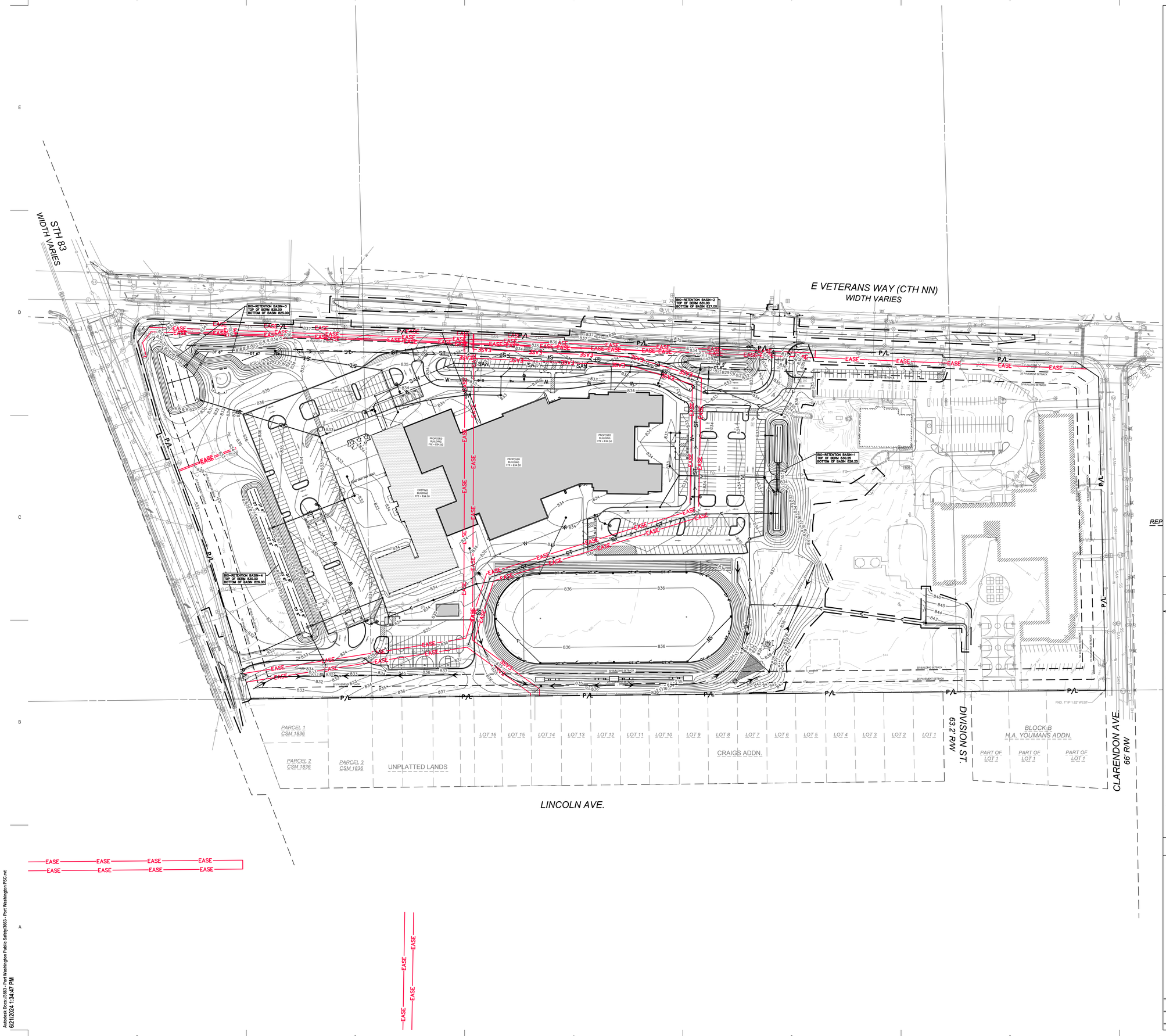


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Scale:
0 40 80 160
Scale: 1" = 80'

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## UTILITY NOTES

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- STORM SEWER
- SAN — SANITARY SEWER
- W — WATER MAIN

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Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St.**
**Mukwonago, WI 53149**

REVISIONS:

| | DATE | DESCRIPTION |
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**NOT FOR CONSTRUCTION**

Project Number:
**3526**

Issued For:
**PLAN COMMISSION SUBMITTAL**
**4/2/2025**

Sheet Title:
**OVERALL SITE UTILITY PLAN**

Sheet Number:
**C1.50**

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STH 83
WIDTH VARIES

BIO-RETENTION BASIN-3
TOP OF BERM 829.00
BOTTOM OF BASIN 825.00

25' PAVEMENT SETBACK

50' BUILDING SETBACK

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

PROPOSED BUILDING
FFE = 834.50

EXISTING BUILDING
FFE = 834.50

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

Scale:
0 15 30 60
Scale: 1" = 30'

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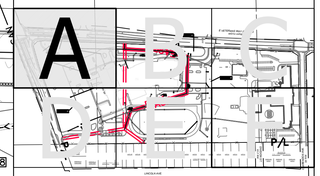
## VICINITY MAP



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Project Number:
3526

Issued For:
PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
SITE UTILITY PLAN - AREA A

Sheet Number:
C1.51A

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BIO-RETENTION BASIN-2
TOP OF BERM 831.00
BOTTOM OF BASIN 827.00

EX ST MH-2

PAVEMENT SETBACK

35' BUILDING SETBACK

25' PAVEMENT SETBACK

50' BUILDING SETBACK

ST BLDG-1

ST BLDG-2

ST BLDG-3

PROPOSED BUILDING FFE = 834.50

PROPOSED BUILDING FFE = 834.50

PROPOSED BUILDING FFE = 834.50

EXISTING BUILDING FFE = 834.50

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

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Scale: 1" = 30'

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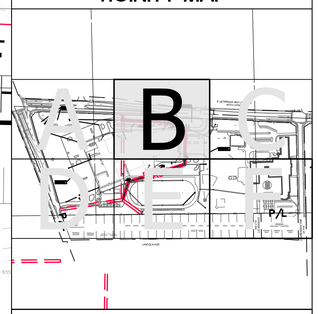


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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| ⚠ | DATE | DESCRIPTION |
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NOT FOR CONSTRUCTION

Project Number:
3526

Issued For:
PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
SITE UTILITY PLAN - AREA B

Sheet Number:
C1.52B

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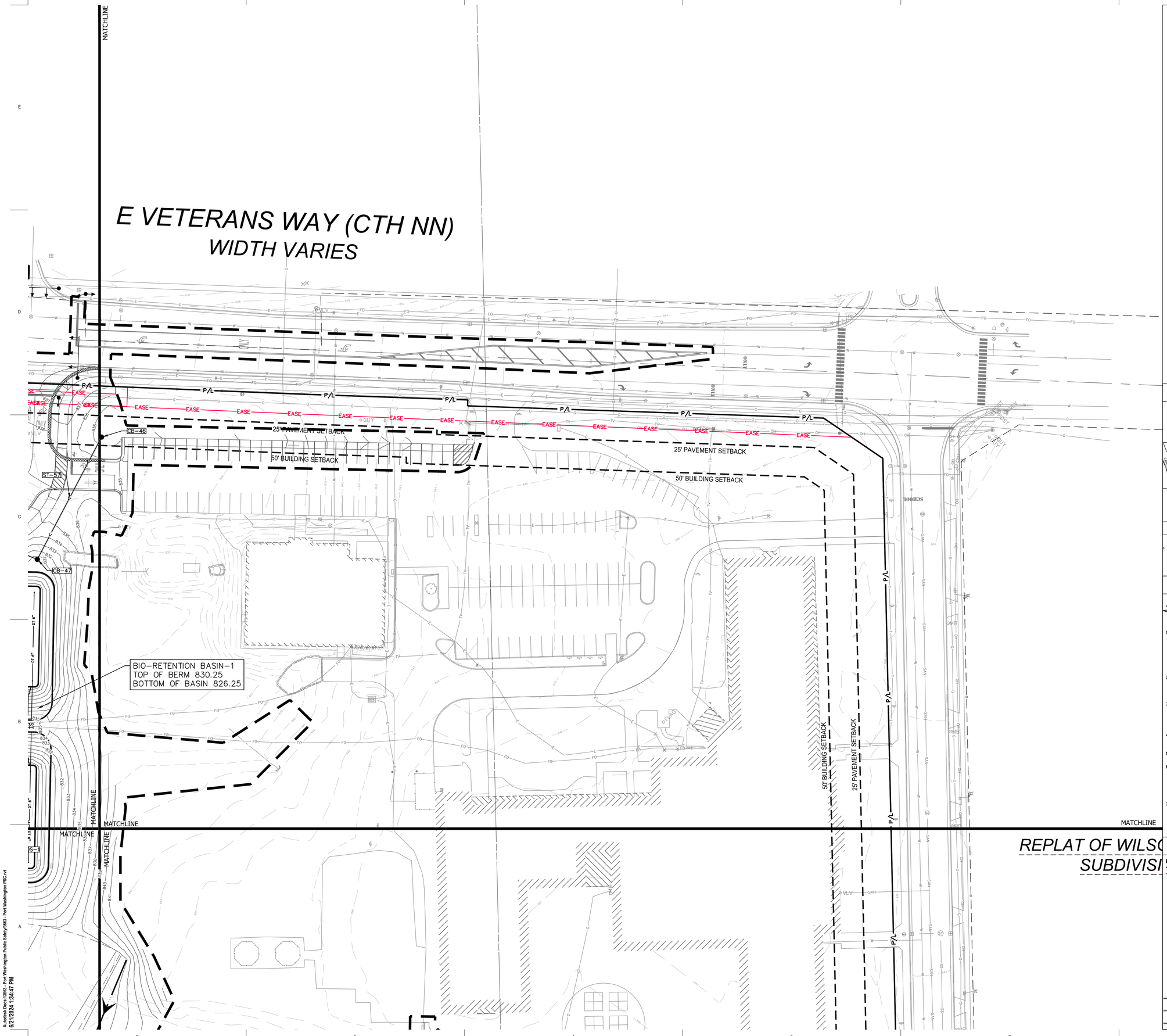


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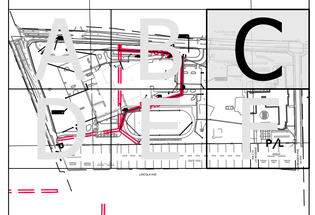
## VICINITY MAP

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**Mukwonago, WI 53149**

REVISIONS:

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**NOT FOR CONSTRUCTION**

Project Number:
**3526**

Issued For:
**PLAN COMMISSION SUBMITTAL**
4/2/2025

Sheet Title:
**SITE UTILITY PLAN - AREA C**

Sheet Number:
**C1.53C**

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MATCHLINE

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

50' BUILDING SETBACK
25' PAVEMENT SETBACK

EXISTING BUILDING
FFE = 834.50

PARCEL 1
CSM 1836

PARCEL 2
CSM 1836

PARCEL 3
CSM 1836

UNPLATTED LANDS

Scale: 1" = 30'

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## VICINITY MAP

## UTILITY NOTES

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4/2/2025

Sheet Title:
**SITE UTILITY PLAN - AREA D**

Sheet Number:
**C1.54D**

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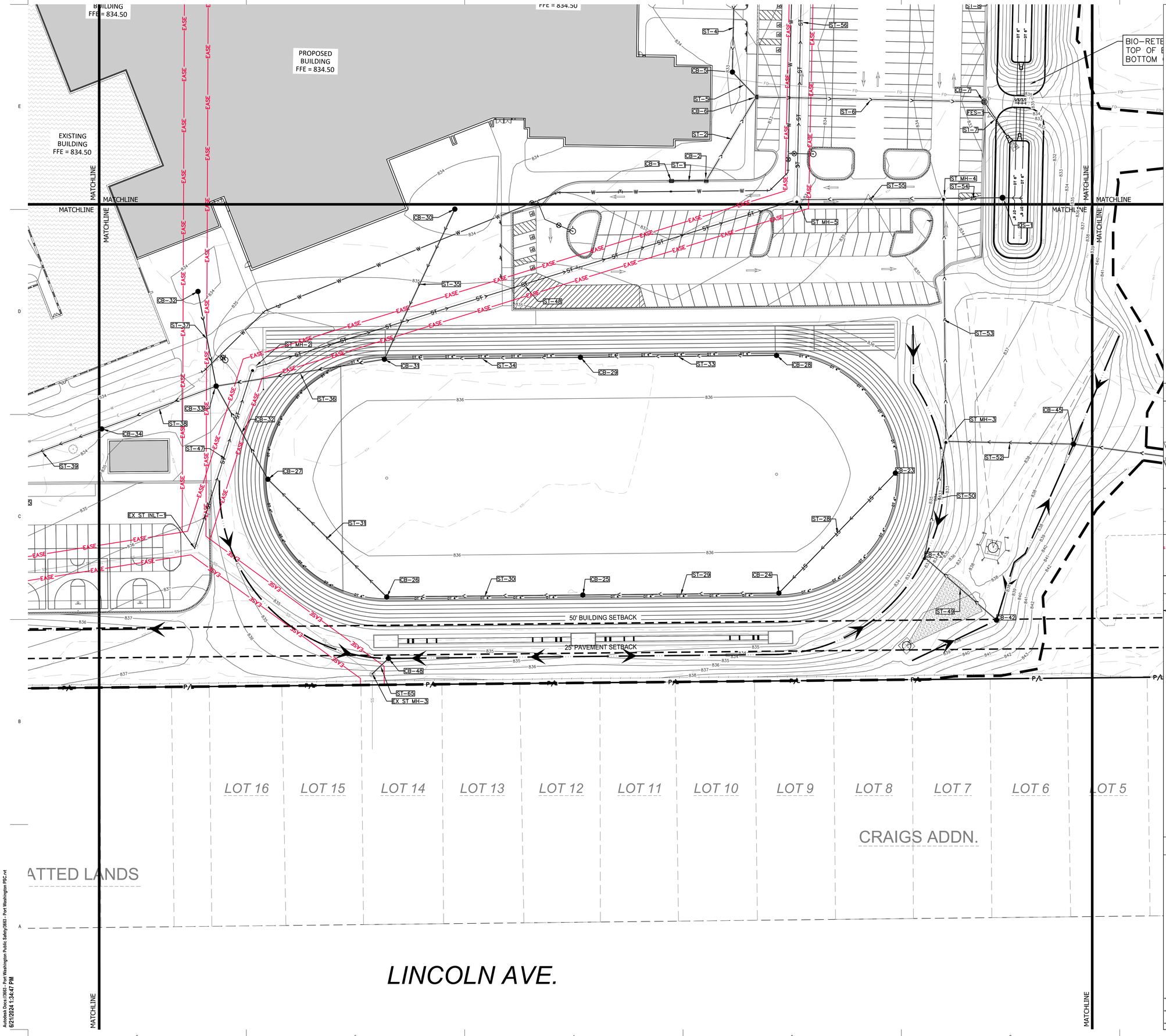


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Project Number: **3526**

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Sheet Title: **SITE UTILITY PLAN - AREA E**

Sheet Number: **C1.55E**

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BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

MATCHLINE

REPLAT OF WILSO
SUBDIVISI

50' BUILDING SETBACK
25' PAVEMENT SETBACK
P/L

CB-45
ST-53
CB-44

50' BUILDING SETBACK
25' PAVEMENT SETBACK

FND. 1" IP 1.82' WEST

LOT 6 | LOT 5 | LOT 4 | LOT 3 | LOT 2 | LOT 1

DIVISION ST.
63.2' R/W

BLOCK B
H.A. YOUMANS ADDN.

PART OF LOT 1 | PART OF LOT 1 | PART OF LOT 1

CLARENDON AVE.
66' R/W

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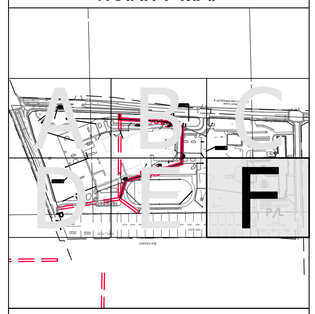


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Issued For:
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4/2/2025

Sheet Title:
**SITE UTILITY PLAN - AREA F**

Sheet Number:
**C1.56F**

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## STORM SEWER STRUCTURE TABLE

| STRUCTURE NAME: | TYPE (FRAME AND GRATE): | RIM ELEVATION: | PIPES IN: | PIPES OUT | BOTTOM: | DETAIL: |
|---|---|---|---|---|---|---|
| CB-1 | 2' X 3' RECTANGULAR (R-3067-R) | 831.96 | | ST-1, 15" E INV = 828.71 | 827.21 | |
| CB-2 | 48" DIAMETER (R-3067-L) | 832.25 | ST-1, 15" W INV = 828.42 | ST-2, 18" NE INV = 828.17 | 826.67 | |
| CB-3 | 2' X 3' RECTANGULAR (R-3067-R) | 832.43 | | ST-3, 12" W INV = 829.43 | 827.93 | |
| CB-4 | 18" NYLOPLAST DRAIN (1899CGS) | 832.43 | ST-3, 12" E INV = 829.33 | ST-4, 12" S INV = 829.33 | 827.83 | |
| CB-5 | 18" NYLOPLAST DRAIN (1899CGS) | 832.65 | ST-4, 12" N INV = 828.95 | ST-5, 12" SE INV = 828.95 | 827.45 | |
| CB-6 | 48" DIAMETER (R-3067-R) | 832.49 | ST-5, 12" NW INV = 828.73<br>ST-2, 18" SW INV = 827.76 | ST-6, 24" E INV = 827.26 | 825.76 | |
| CB-7 | 48" DIAMETER (R-2502-RA) | 832.49 | ST-6, 24" W INV = 826.68 | ST-7, 24" SE INV = 826.68 | 825.18 | |
| CB-8 | 2' X 3' RECTANGULAR (R-3067-R) | 832.43 | | ST-8, 12" E INV = 828.16 | 826.66 | |
| CB-9 | 48" DIAMETER (R-3067-R) | 831.72 | ST-9, 12" SW INV = 828.10 | ST-10, 15" N INV = 827.85 | 826.35 | |
| CB-10 | 48" DIAMETER (R-3067-R) | 833.35 | ST-10, 15" S INV = 827.73 | ST-11, 18" E INV = 827.48 | 825.98 | |
| CB-11 | 2' X 3' RECTANGULAR (R-3067-R) | 832.39 | | ST-12, 12" N INV = 828.45 | 826.95 | |
| CB-12 | 2' X 3' RECTANGULAR (R-3067-R) | 831.36 | ST-12, 12" S INV = 828.13 | ST-13, 12" N INV = 828.13 | 826.63 | |
| CB-13 | 48" DIAMETER (R-3067-R) | 832.09 | | ST-14, 12" SW INV = 829.09 | 827.59 | |
| CB-14 | 48" DIAMETER (R-3067-R) | 832.02 | ST-14, 12" NE INV = 828.83 | ST-15, 15" S INV = 828.58 | 827.08 | |
| CB-15 | 18" NYLOPLAST DRAIN (1899CGS) | 832.91 | ST-15, 15" N INV = 828.26 | ST-16, 15" W INV = 828.26 | 826.76 | |
| CB-16 | 48" DIAMETER (R-2502-D) | 833.49 | ST-16, 15" E INV = 827.74<br>ST-17, 12" S INV = 827.83 | ST-18, 24" W INV = 826.83 | 825.33 | |
| CB-17 | 60" DIAMETER (R-2502-D) | 833.53 | ST-18, 24" E INV = 826.50<br>ST-19, 12" S INV = 828.19 | ST-20, 24" W INV = 826.50 | 825.00 | |
| CB-18 | 18" NYLOPLAST DRAIN (1899CGS) | 833.44 | ST-21, 12" SW INV = 828.16 | ST-22, 12" N INV = 828.16 | 826.66 | |
| CB-19 | 60" DIAMETER (R-3067-R) | 832.98 | ST-20, 24" E INV = 826.30<br>ST-22, 12" S INV = 828.03 | ST-23, 30" N INV = 825.80 | 824.30 | |
| CB-20 | 48" DIAMETER (R-3067-R) | 832.73 | | ST-25, 15" W INV = 829.48 | 827.98 | |
| CB-21 | 2' X 3' RECTANGULAR (R-3067-R) | 832.88 | | ST-26, 15" N INV = 829.62 | 828.12 | |
| CB-21B | 48" DIAMETER (R-3067-L) | 833.03 | ST-25, 15" E INV = 829.31<br>ST-26, 15" S INV = 829.47 | ST-27, 18" W INV = 829.06 | 827.56 | |
| CB-23 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | | ST-28, 8" SW INV = 832.26 | 830.76 | |
| CB-24 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-28, 8" NE INV = 831.90 | ST-29, 12" W INV = 831.57 | 830.07 | |
| CB-25 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-29, 12" E INV = 831.16 | ST-30, 12" W INV = 831.16 | 829.66 | |
| CB-26 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-30, 12" E INV = 830.33 | ST-31, 12" NW INV = 830.33 | 828.83 | |
| CB-27 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-31, 12" SE INV = 829.63 | CB-32, 12" NW INV = 829.63 | 829.63 | |
| CB-28 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | | ST-33, 8" W INV = 831.90 | 830.40 | |
| CB-29 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-33, 8" E INV = 831.07 | ST-34, 12" W INV = 830.74 | 829.24 | |
| CB-30 | 18" NYLOPLAST DRAIN (1899CGS) | 833.13 | | ST-35, 12" SW INV = 830.13 | 828.63 | |
| CB-31 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-34, 12" E INV = 830.33<br>ST-35, 12" NE INV = 829.77 | ST-36, 15" W INV = 829.52 | 828.02 | |
| CB-32 | 18" NYLOPLAST DRAIN (1899CGS) | 833.60 | | ST-37, 8" S INV = 830.60 | 829.10 | |
| CB-33 | 48" DIAMETER (R-2502-D) | 833.97 | ST-37, 8" N INV = 829.79<br>CB-32, 12" SE INV = 828.70<br>ST-36, 15" E INV = 828.44 | ST-38, 24" W INV = 827.69 | 826.19 | |
| CB-34 | 24" NYLOPLAST DRAIN (2499CGS) | 833.09 | ST-38, 24" E INV = 827.38 | ST-39, 24" W INV = 827.38 | 825.88 | |
| CB-35 | 60" DIAMETER (R-3067-R) | 833.56 | ST-39, 24" E INV = 827.06 | CB-40, 24" N INV = 827.06 | 825.56 | |
| CB-36 | 60" DIAMETER (R-3067-C) | 833.32 | CB-40, 24" S INV = 826.84 | ST-41, 24" W INV = 827.01 | 825.34 | |
| CB-37 | 18" NYLOPLAST DRAIN (1899CGS) | 832.01 | | ST-42, 8" S INV = 829.01 | 827.51 | |
| CB-38 | 18" NYLOPLAST DRAIN (1899CGS) | 831.68 | ST-42, 8" N INV = 828.55 | ST-43, 8" W INV = 828.55 | 827.05 | |
| CB-39 | 2' X 6' (R-3295-2) | 831.70 | ST-43, 8" E INV = 828.30 | ST-44, 18" W INV = 827.20 | 825.70 | |
| CB-40 | 48" DIAMETER (R-3067-R) | 831.70 | | ST-45, 12" NE INV = 827.70 | 826.20 | |
| CB-41 | 18" NYLOPLAST DRAIN (1899CGS) | 831.40 | | ST-46, 12" N INV = 827.40 | 825.90 | |
| CB-42 | 18" NYLOPLAST DRAIN (1899CGS) | 837.41 | | ST-49, 12" NW INV = 831.46 | 829.96 | |
| CB-43 | 48" DIAMETER (R-2502-D) | 832.05 | ST-49, 12" SE INV = 829.05 | ST-50, 15" N INV = 829.05 | 827.55 | |
| CB-44 | 48" DIAMETER (R-3501-RA) | 842.05 | | ST-51, 15" W INV = 839.71 | 839.71 | |
| CB-45 | 18" NYLOPLAST DRAIN (1899CGS) | 836.77 | ST-51, 15" E INV = 832.52 | ST-52, 15" W INV = 832.52 | 831.02 | |
| CB-46 | 18" NYLOPLAST DRAIN (1899CGS) | 834.27 | | ST-57, 12" SW INV = 829.30 | 827.80 | |
| CB-47 | 18" NYLOPLAST DRAIN (1899CGS) | 830.04 | ST-57, 12" NE INV = 827.04 | ST-58, 12" W INV = 827.04 | 825.54 | |
| CB-48 | 18" NYLOPLAST DRAIN (1899CGS) | 833.46 | | ST-65, 12" SW INV = 828.21 | 826.71 | |
| EX ST INLT-1 | N/A | | EX ST, 18" SE INV = 825.83<br>EX ST, 36" W INV = 825.53 | ST-47, 42" N INV = 823.53 | | |
| EX ST MH-1 | N/A | | ST-46, 12" S INV = 827.14<br>ST-64, 10" NW INV = 823.86<br>EX ST, 36" W INV = 823.86 | EX ST, 36" E INV = 823.86 | | |
| EX ST MH-2 | N/A | | ST-62, 42" S INV = 820.79 | EX ST, 36" NE INV = 820.79 | | |
| EX ST MH-3 | N/A | | ST-65, 12" NE INV = 827.21<br>EX ST, 18" S INV = 826.83 | EX ST, 18" NW INV = 826.83 | | |
| FES-1 | 24" RCP APRON ENDWALL | | ST-7, 24" NW INV = 826.51 | | | |
| FES-2 | 12" RCP APRON ENDWALL | | ST-8, 12" W INV = 828.00 | | | |
| FES-3 | 18" RCP APRON ENDWALL | | ST-11, 18" W INV = 827.00 | | | |
| FES-4 | 12" RCP APRON ENDWALL | | ST-13, 12" S INV = 828.00 | | | |
| FES-5 | 30" RCP APRON ENDWALL | | ST-24, 30" E INV = 825.00 | | | |
| FES-6 | 18" RCP APRON ENDWALL | | ST-27, 18" E INV = 826.00 | | | |
| FES-7 | 24" RCP APRON ENDWALL | | ST-41, 24" E INV = 826.00 | | | |
| FES-8 | 18" RCP APRON ENDWALL | | ST-44, 18" E INV = 826.00 | | | |

## STORM SEWER STRUCTURE TABLE

| STRUCTURE NAME: | TYPE (FRAME AND GRATE): | RIM ELEVATION: | PIPES IN: | PIPES OUT | BOTTOM: | DETAIL: |
|---|---|---|---|---|---|---|
| FES-9 | 12" RCP APRON ENDWALL | | ST-45, 12" SW INV = 826.86 | | | |
| FES-10 | 36" RCP APRON ENDWALL | | | ST-66, 36" NE INV = 821.25 | | |
| FES-11 | 36" RCP APRON ENDWALL | | ST-66, 36" SW INV = 820.97 | | | |
| OS-1 | 48" OUTLET STRUCTURE | 828.25 | DT, 6" E INV = 823.75 | ST-54, 10" W INV = 823.75 | 822.25 | |
| OS-2 | 48" OUTLET STRUCTURE | 829.00 | DT, 6" N INV = 824.50 | ST-59, 10" S INV = 824.50 | 825.00 | |
| OS-3 | 48" OUTLET STRUCTURE | 827.00 | DT, 6" S INV = 822.50 | ST-63, 10" E INV = 822.50 | 821.50 | |
| OS-4 | 48" OUTLET STRUCTURE | 828.00 | DT, 6" NW INV = 824.00 | ST-64, 10" SE INV = 824.00 | 822.50 | |
| ST BLDG-1 | N/A | | | ST-9, 12" NE INV = 828.50 | | |
| ST BLDG-2 | N/A | | | ST-17, 12" N INV = 828.50 | | |
| ST BLDG-3 | N/A | | | ST-19, 12" N INV = 828.50 | | |
| ST BLDG-4 | N/A | | | ST-21, 12" NE INV = 828.50 | | |
| ST MH-1 | 60" DIAMETER (R-1661) | 835.03 | ST-23, 30" S INV = 825.58 | ST-24, 30" W INV = 825.58 | 825.58 | |
| ST MH-2 | 72" DIAMETER (R-1661) | 835.61 | ST-47, 42" S INV = 823.24 | ST-48, 42" E INV = 823.24 | 823.24 | |
| ST MH-3 | 48" DIAMETER (R-1661) | 833.60 | ST-50, 15" S INV = 828.55<br>ST-52, 15" E INV = 828.55 | ST-53, 18" N INV = 828.30 | 828.30 | |
| ST MH-4 | 48" DIAMETER (R-1661) | 833.99 | ST-53, 18" S INV = 826.77<br>ST-54, 10" E INV = 823.13 | ST-55, 24" W INV = 823.13 | 823.13 | |
| ST MH-5 | 72" DIAMETER (R-1661) | 833.90 | ST-48, 42" W INV = 822.37<br>ST-55, 24" E INV = 822.82 | ST-56, 42" N INV = 822.37 | 822.37 | |
| ST MH-6 | 72" DIAMETER (R-1661) | 831.86 | ST-56, 42" S INV = 821.85<br>ST-58, 12" E INV = 825.00<br>ST-59, 10" N INV = 824.23 | ST-60, 42" W INV = 821.85 | 821.85 | |
| ST MH-7 | 72" DIAMETER (R-1661) | 833.63 | ST-60, 42" E INV = 821.57 | ST-61, 42" W INV = 821.57 | 821.57 | |
| ST MH-8 | 72" DIAMETER (R-1661) | 833.73 | ST-61, 42" E INV = 820.88<br>ST-63, 10" W INV = 820.88 | ST-62, 42" N INV = 820.88 | 820.88 | |

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Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St,**
**Mukwonago, WI 53149**

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

***NOT FOR CONSTRUCTION***

Project Number:
**3526**

Issued For:
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**4/2/2025**

Sheet Title:
**SITE UTILITY PLAN - TABLES**

Sheet Number:
C1.57G

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## STORM SEWER PIPE TABLE

| PIPE NAME: | FROM: | TO: | UPSTREAM INVERT ELEVATION: | DOWNSTREAM INVERT ELEVATION: | LENGTH: | SLOPE: | SIZE AND MATERIAL: | GPM: |
|---|---|---|---|---|---|---|---|---|
| CB-32 | CB-27 | CB-33 | 829.63 | 828.70 | 89.63' | 1.04% | 12" DUAL WALL HDPE | |
| CB-40 | CB-35 | CB-36 | 827.06 | 826.84 | 44.13' | 0.50% | 24" DUAL WALL HDPE | |
| ST-1 | CB-1 | CB-2 | 828.71 | 828.42 | 29.23' | 1.00% | 15" DUAL WALL HDPE | |
| ST-2 | CB-2 | CB-6 | 828.17 | 827.76 | 81.90' | 0.50% | 18" DUAL WALL HDPE | |
| ST-3 | CB-3 | CB-4 | 829.43 | 829.33 | 20.50' | 0.50% | 12" DUAL WALL HDPE | |
| ST-4 | CB-4 | CB-5 | 829.33 | 828.95 | 75.03' | 0.50% | 12" DUAL WALL HDPE | |
| ST-5 | CB-5 | CB-6 | 828.95 | 828.73 | 28.99' | 0.75% | 12" DUAL WALL HDPE | |
| ST-6 | CB-6 | CB-7 | 827.26 | 826.68 | 192.00' | 0.30% | 24" DUAL WALL HDPE | |
| ST-7 | CB-7 | FES-1 | 826.68 | 826.51 | 34.44' | 0.50% | 24" CLASS IV RCP | |
| ST-8 | CB-8 | FES-2 | 828.16 | 828.00 | 11.09' | 1.47% | 12" CLASS IV RCP | |
| ST-9 | ST BLDG-1 | CB-9 | 828.50 | 828.10 | 52.90' | 0.75% | 12" SDR 35 PVC | |
| ST-10 | CB-9 | CB-10 | 827.85 | 827.73 | 11.78' | 1.00% | 15" DUAL WALL HDPE | |
| ST-11 | CB-10 | FES-3 | 827.48 | 827.00 | 120.55' | 0.40% | 18" CLASS IV RCP | |
| ST-12 | CB-11 | CB-12 | 828.45 | 828.13 | 32.07' | 1.00% | 12" DUAL WALL HDPE | |
| ST-13 | CB-12 | FES-4 | 828.13 | 828.00 | 12.59' | 1.00% | 12" CLASS IV RCP | |
| ST-14 | CB-13 | CB-14 | 829.09 | 828.83 | 26.42' | 1.00% | 12" DUAL WALL HDPE | |
| ST-15 | CB-14 | CB-15 | 828.58 | 828.26 | 42.50' | 0.75% | 15" DUAL WALL HDPE | |
| ST-16 | CB-15 | CB-16 | 828.26 | 827.74 | 69.35' | 0.75% | 15" DUAL WALL HDPE | |
| ST-17 | ST BLDG-2 | CB-16 | 828.50 | 827.83 | 66.75' | 1.00% | 12" SDR 35 PVC | |
| ST-18 | CB-16 | CB-17 | 826.83 | 826.50 | 89.22' | 0.37% | 24" DUAL WALL HDPE | |
| ST-19 | ST BLDG-3 | CB-17 | 828.50 | 828.19 | 30.62' | 1.00% | 12" DUAL WALL HDPE | |
| ST-20 | CB-17 | CB-19 | 826.50 | 826.30 | 79.28' | 0.25% | 24" DUAL WALL HDPE | |
| ST-21 | ST BLDG-4 | CB-18 | 828.50 | 828.16 | 33.74' | 1.00% | 12" DUAL WALL HDPE | |
| ST-22 | CB-18 | CB-19 | 828.16 | 828.03 | 12.50' | 1.00% | 12" DUAL WALL HDPE | |
| ST-23 | CB-19 | ST MH-1 | 825.80 | 825.58 | 89.00' | 0.25% | 30" DUAL WALL HDPE | |
| ST-24 | ST MH-1 | FES-5 | 825.58 | 825.00 | 232.99' | 0.25% | 30" CLASS IV RCP | |
| ST-25 | CB-20 | CB-21B | 829.48 | 829.31 | 16.88' | 1.00% | 15" DUAL WALL HDPE | |
| ST-26 | CB-21 | CB-21B | 829.62 | 829.47 | 14.97' | 1.00% | 15" DUAL WALL HDPE | |
| ST-27 | CB-21B | FES-6 | 829.06 | 826.00 | 274.54' | 1.11% | 18" CLASS IV RCP | |
| ST-28 | CB-23 | CB-24 | 832.26 | 831.90 | 140.75' | 0.25% | 8" SDR 35 PVC | |
| ST-29 | CB-24 | CB-25 | 831.57 | 831.16 | 165.00' | 0.25% | 12" DUAL WALL HDPE | |
| ST-30 | CB-25 | CB-26 | 831.16 | 830.33 | 165.00' | 0.50% | 12" DUAL WALL HDPE | |
| ST-31 | CB-26 | CB-27 | 830.33 | 829.63 | 140.75' | 0.50% | 12" DUAL WALL HDPE | |
| ST-33 | CB-28 | CB-29 | 831.90 | 831.07 | 165.00' | 0.50% | 8" DUAL WALL HDPE | |
| ST-34 | CB-29 | CB-31 | 830.74 | 830.33 | 165.00' | 0.25% | 12" DUAL WALL HDPE | |
| ST-35 | CB-30 | CB-31 | 830.13 | 829.77 | 139.51' | 0.26% | 12" DUAL WALL HDPE | |
| ST-36 | CB-31 | CB-33 | 829.52 | 828.44 | 143.39' | 0.75% | 15" DUAL WALL HDPE | |
| ST-37 | CB-32 | CB-33 | 830.60 | 829.79 | 81.10' | 1.00% | 8" SDR 35 PVC | |
| ST-38 | CB-33 | CB-34 | 827.69 | 827.38 | 102.78' | 0.30% | 24" DUAL WALL HDPE | |
| ST-39 | CB-34 | CB-35 | 827.38 | 827.06 | 107.16' | 0.30% | 24" DUAL WALL HDPE | |
| ST-41 | CB-36 | FES-7 | 827.01 | 826.00 | 167.62' | 0.60% | 24" CLASS IV RCP | |
| ST-42 | CB-37 | CB-38 | 829.01 | 828.55 | 46.13' | 1.00% | 8" SDR 35 PVC | |
| ST-43 | CB-38 | CB-39 | 828.55 | 828.30 | 24.50' | 1.00% | 8" SDR 35 PVC | |
| ST-44 | CB-39 | FES-8 | 827.20 | 826.00 | 167.49' | 0.72% | 18" CLASS IV RCP | |
| ST-45 | CB-40 | FES-9 | 827.70 | 826.86 | 83.64' | 1.00% | 12" CLASS IV RCP | |
| ST-46 | CB-41 | EX ST MH-1 | 827.40 | 827.14 | 26.18' | 1.00% | 12" DUAL WALL HDPE | |
| ST-47 | EX ST INLT-1 | ST MH-2 | 823.53 | 823.24 | 159.03' | 0.18% | 42" CLASS IV RCP | |
| ST-48 | ST MH-2 | ST MH-5 | 823.24 | 822.37 | 479.45' | 0.18% | 42" CLASS IV RCP | |
| ST-49 | CB-42 | CB-43 | 831.46 | 829.05 | 80.48' | 3.00% | 12" DUAL WALL HDPE | |
| ST-50 | CB-43 | ST MH-3 | 829.05 | 828.55 | 99.13' | 0.50% | 15" DUAL WALL HDPE | |
| ST-51 | CB-44 | CB-45 | 839.71 | 832.52 | 290.06' | 2.48% | 15" DUAL WALL HDPE | |
| ST-52 | CB-45 | ST MH-3 | 832.52 | 828.55 | 107.48' | 3.69% | 15" DUAL WALL HDPE | |
| ST-53 | ST MH-3 | ST MH-4 | 828.30 | 826.77 | 204.50' | 0.75% | 18" DUAL WALL HDPE | |
| ST-54 | OS-1 | ST MH-4 | 823.75 | 823.13 | 49.69' | 1.25% | 10" SDR 35 PVC | |
| ST-55 | ST MH-4 | ST MH-5 | 823.13 | 822.82 | 123.40' | 0.25% | 24" DUAL WALL HDPE | |
| ST-56 | ST MH-5 | ST MH-6 | 822.37 | 821.85 | 298.62' | 0.18% | 42" CLASS IV RCP | |
| ST-57 | CB-46 | CB-47 | 829.30 | 827.04 | 116.27' | 1.94% | 12" DUAL WALL HDPE | |
| ST-58 | CB-47 | ST MH-6 | 827.04 | 825.00 | 204.34' | 1.00% | 12" DUAL WALL HDPE | |
| ST-59 | OS-2 | ST MH-6 | 824.50 | 824.23 | 26.61' | 1.00% | 10" SDR 35 PVC | |
| ST-60 | ST MH-6 | ST MH-7 | 821.85 | 821.57 | 153.77' | 0.18% | 42" CLASS IV RCP | |
| ST-61 | ST MH-7 | ST MH-8 | 821.57 | 820.88 | 366.51' | 0.19% | 42" CLASS IV RCP | |
| ST-62 | ST MH-8 | EX ST MH-2 | 820.88 | 820.79 | 44.21' | 0.20% | 42" CLASS IV RCP | |
| ST-63 | OS-3 | ST MH-8 | 822.50 | 820.88 | 433.62' | 0.37% | 10" SDR 35 PVC | |
| ST-64 | OS-4 | EX ST MH-1 | 824.00 | 823.86 | 70.59' | 0.20% | 10" SDR 35 PVC | |
| ST-65 | CB-48 | EX ST MH-3 | 828.21 | 827.21 | 18.76' | 5.33% | 12" DUAL WALL HDPE | |
| ST-66 | FES-10 | FES-11 | 821.25 | 820.97 | 28.65' | 1.00% | 36" CLASS IV RCP | |

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Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St.**
**Mukwonago, WI 53149**

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| | DATE | DESCRIPTION |
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**SITE UTILITY PLAN - TABLES**

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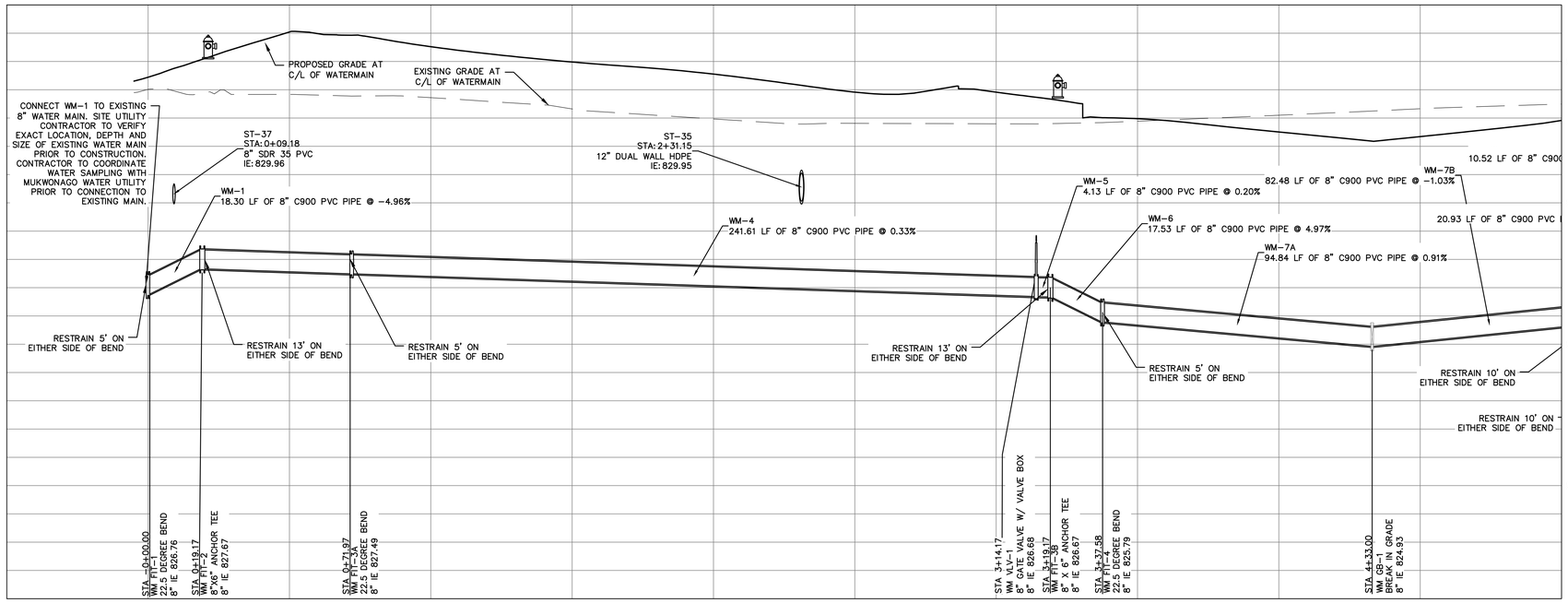


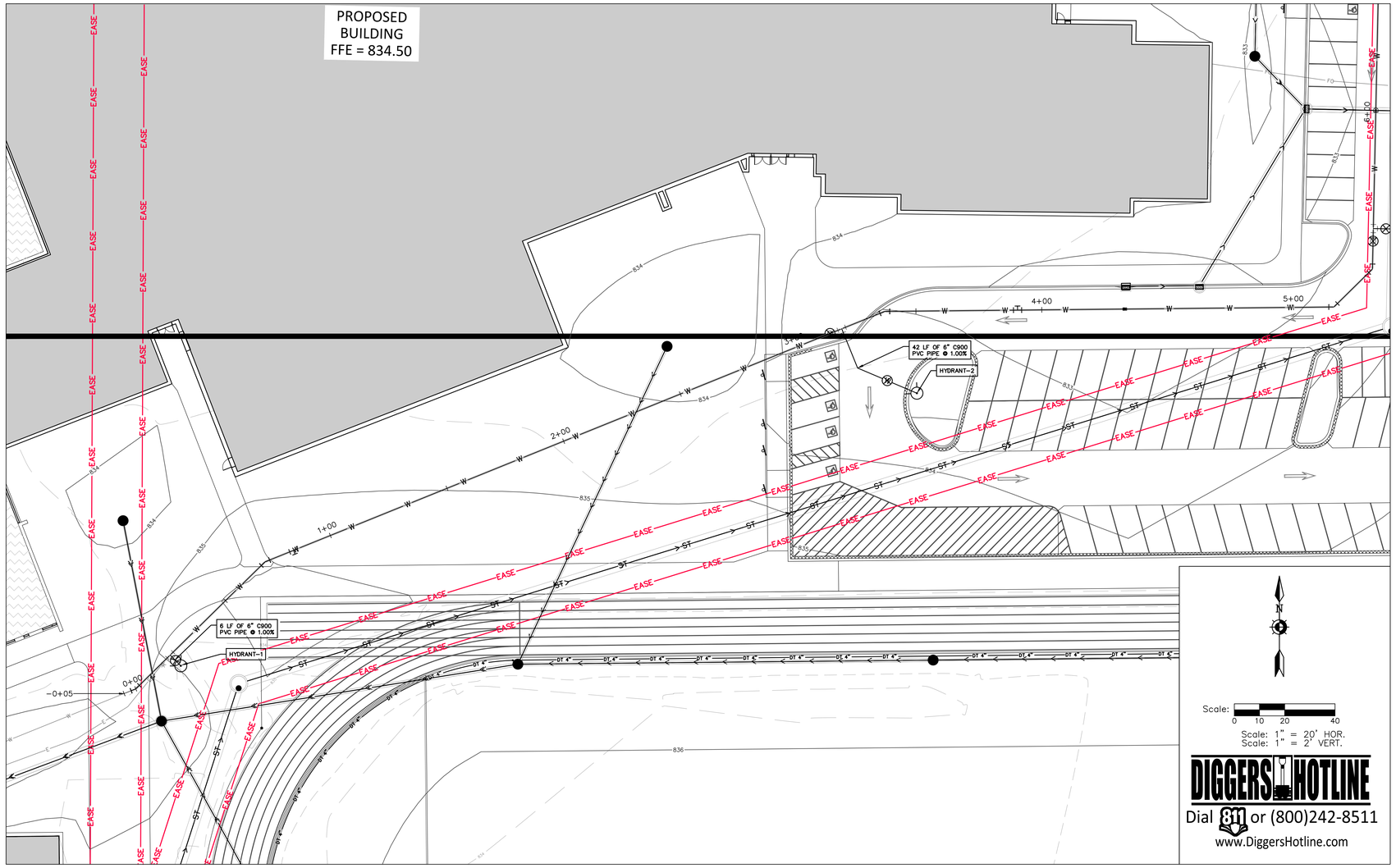


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## GENERAL NOTES

1. ALL WATER MAIN MATERIALS, INSTALLATION, CONSTRUCTION, AND TESTING SHALL BE DONE PER APPLICABLE SECTIONS OF THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, WISCONSIN ADMINISTRATION PLUMBING CODE AND THE VILLAGE OF MUKWONAGO STANDARDS.
2. CONTRACTOR SHALL COORDINATE WITH PEWAUKEE WATER UTILITY FOR ALL CONSTRUCTION INSPECTION 72 HOURS PRIOR TO COMMENCING WORK.
3. PROPOSED WATER MAIN SHALL REMAIN ISOLATED FROM EXISTING WATER MAIN UNTIL PROPOSED WATER MAIN HAS PASSED ALL REQUIRED TESTS.
4. ALL WATER MAIN AND SERVICES ARE TO BE BEDDED AND COVERED WITH STONE CHIPS PER SWS 8.43.2(A), AND BACKFILLED WITH MECHANICALLY COMPACTED GRANULAR BACKFILL PER SWS 8.43.4 IN PAVED AREAS/SHOULDERS AND WITHIN 5 FEET OF THE PAVED/SHOULDER AREAS. SPOIL BACKFILL WILL BE ALLOWED IN NON-PAVEMENT AND NON-SHOULDERED AREAS. SLURRY BACKFILL REQUIRED IN EXISTING PAVED AREAS.
6. PIPE MATERIAL SHALL BE PVC MEETING THE FOLLOWING: FOR 4"-12" DIAMETER MAIN, AWWA C900, CLASS 150 WITH DR 18 OR LESS. FOR 6" DIAMETER HYDRANT LATERALS, AWWA C900, CLASS 200 WITH DR 18 OR LESS.
7. CONTRACTOR SHALL PROVIDE DOUBLE POLYWRAPPING AROUND ALL VALVE, TEES, AND FITTINGS.
8. RESTRAIN ALL VALVES, FITTINGS, BENDS, REDUCERS, AND DEAD ENDS AT THE PIPE CONNECTION.
9. HYDRANTS SHALL BE FULLY RESTRAINED. ALL HYDRANT LEADS SHALL BE RESTRAINED WITH CONCRETE BUTTRESS AT TEE AND HYDRANT SHOE.
10. ALL STATIONING ALONG CENTERLINE OF WATER MAIN.
11. CONTRACTOR SHALL TEST WATER MAIN MAINLINE AND LATERAL TRACER WIRE TRACEABILITY OF THE ENTIRE WATER MAIN SYSTEM INSTALLED DURING THE PROJECT.

## UTILITY NOTES

PROJECT LIMITS

EASE — 20' PROPOSED UTILITY EASEMENT

CAUTION — KNOWN UTILITY AND POTENTIAL CONFLICT EXIST WITH EXISTING UNDERGROUND UTILITIES. PRIOR TO UTILITY INSTALLATION, CONTRACTOR TO EXCAVATE AND EXPOSE EXISTING UTILITIES, VERIFY LOCATIONS AND ELEVATIONS, AND CONTACT ENGINEER IF CONFLICTS EXIST WITH PROPOSED CONSTRUCTION AND EXISTING UNDERGROUND UTILITIES..

1. PER PROJECT SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, THE POINT OF COMMENCEMENT FOR THE LAYING OF SEWER PIPE SHALL BE AT THE LOWEST POINT IN THE PROPOSED SEWER LINE. THE PIPE SHALL BE LAID WITH THE BELL END OF THE BELL AND SPIGOT PIPE, OR WITH THE RECEIVING GROOVE END OF THE TONGUE AND GROOVE PIPE, POINTING UPGRADE. WHEN A NEW SEWER IS TO BE CONNECTED TO AN EXISTING SEWER NOT TERMINATING IN A MANHOLE, THE CONTRACTOR SHALL UNCOVER THE EXISTING SEWER TO ALLOW ANY ADJUSTMENTS IN LINE AND GRADE TO BE MADE BEFORE PIPE IS LAID.
2. THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITY, PROPERTY OWNER, AND DIGGERS HOTLINE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
3. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL APPLY FOR AND OBTAIN ALL THEIR REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF THEIR WORK. CONSULT WITH AND OBTAIN FROM ENGINEER COPIES OF ENGINEERING DESIGN APPROVAL PERMITS, INCLUDING BUT NOT LIMITED TO WDNR, STATE OR LOCAL PLUMBING, WDOT, COUNTY, AND STORM WATER MANAGEMENT.
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5. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL OTHER CONTRACTORS.
6. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND / OR RELOCATION / ELEVATION ADJUSTMENT OF ALL EXISTING PUBLIC OR PRIVATE UTILITIES WITHIN THE PROJECT LIMITS THAT MAY BE AFFECTED BY TOPOGRAPHICAL CHANGES, UTILITIES, OR OTHER PROPOSED CONSTRUCTION ON THE PROJECT, INCLUDING BUT NOT LIMITED TO ELECTRICAL / FIBER OPTIC / TELEPHONE / CABLE / GAS / WATER / SANITARY / STORM. DEMOLITION / RELOCATION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND UTILITY OWNER REGULATIONS.
7. FOR ALL WORK, GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR REVIEWING BID DOCUMENTS, VERIFYING THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, AND INCLUDE IN THEIR CONTRACT THE RELOCATION OF SAID UTILITIES (NOTED OR NOT ON THE BID DOCUMENTS) AS NECESSARY TO PROVIDE PROPER DEPTH/CLEARANCE PER UTILITY OWNER'S REQUIREMENTS.

## KEY INDEX

- STORM SEWER — REFER TO STORM SEWER PLANS FOR MORE INFORMATION
- SAN — SANITARY SEWER — REFER TO SANITARY SEWER PLANS FOR MORE INFORMATION
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- STORM MANHOLE
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- APRON ENDWALL
- RIP RAP
- WATER MAIN TEE
- WATER MAIN BEND
- WATER MAIN VALVE
- HYDRANT
- UTILITY PLUG

Scale: 0 10 20 40
Scale: 1" = 20' HOR.
Scale: 1" = 2' VERT.

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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: WATER MAIN - PLAN & PROFILE - STA. 0+00 TO 5+00

Sheet Number: C1.59I

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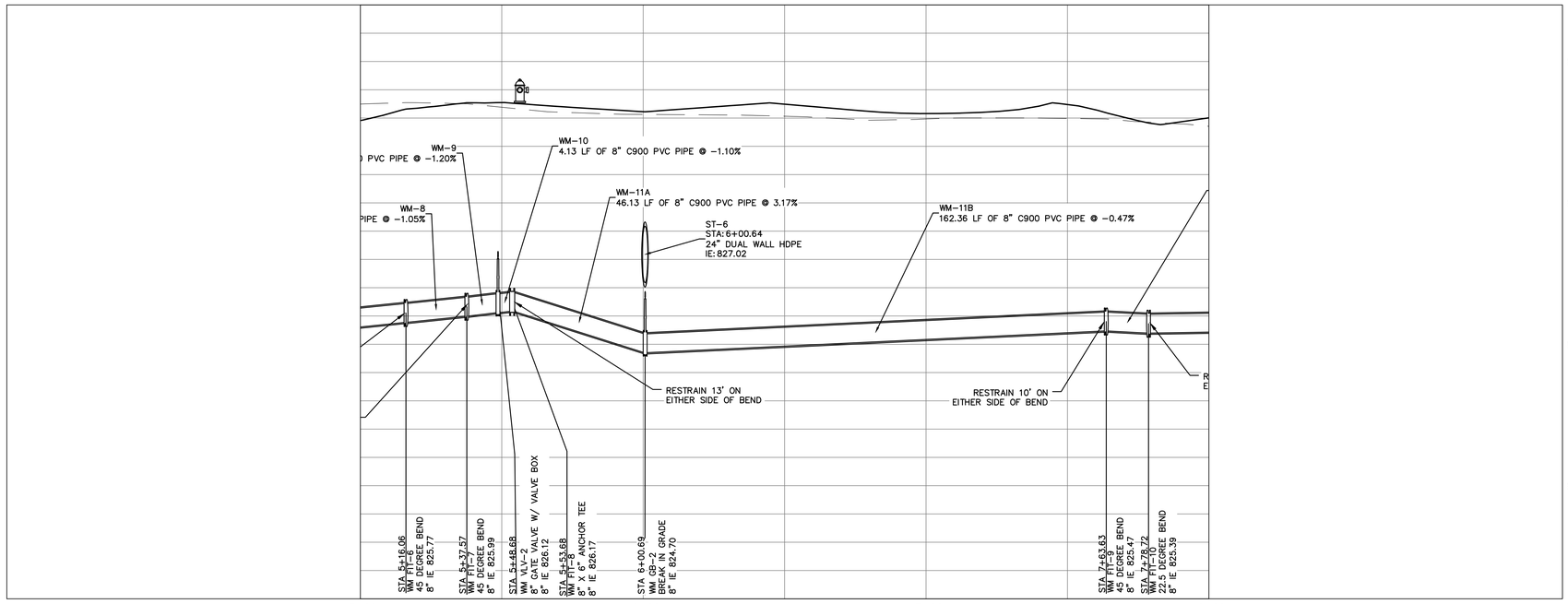


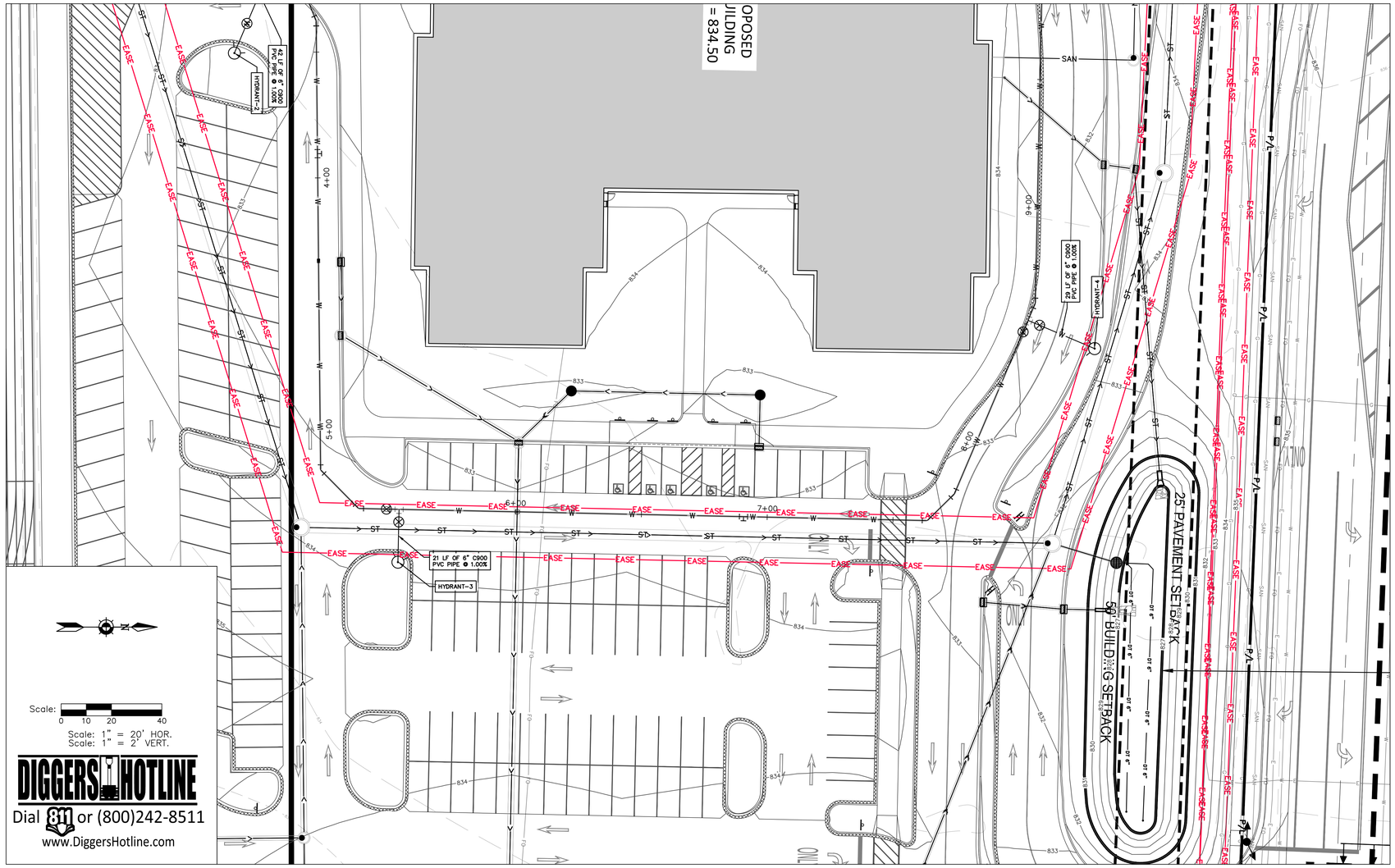


## GENERAL NOTES

1. ALL WATER MAIN MATERIALS, INSTALLATION, CONSTRUCTION, AND TESTING SHALL BE DONE PER APPLICABLE SECTIONS OF THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, WISCONSIN ADMINISTRATION PLUMBING CODE AND THE VILLAGE OF MUKWONAGO STANDARDS.
2. CONTRACTOR SHALL COORDINATE WITH PEWAUKEE WATER UTILITY FOR ALL CONSTRUCTION INSPECTION 72 HOURS PRIOR TO COMMENCING WORK.
3. PROPOSED WATER MAIN SHALL REMAIN ISOLATED FROM EXISTING WATER MAIN UNTIL PROPOSED WATER MAIN HAS PASSED ALL REQUIRED TESTS.
4. ALL WATER MAIN AND SERVICES ARE TO BE BEDDED AND COVERED WITH STONE CHIPS PER SWS 8.43.2(A), AND BACKFILLED WITH MECHANICALLY COMPACTED GRANULAR BACKFILL PER SWS 8.43.4 IN PAVED AREAS/SHOULDERS AND WITHIN 5 FEET OF THE PAVED/SHOULDER AREAS. SPOIL BACKFILL WILL BE ALLOWED IN NON-PAVEMENT AND NON-SHOULDERED AREAS. SLURRY BACKFILL REQUIRED IN EXISTING PAVED AREAS.
6. PIPE MATERIAL SHALL BE PVC MEETING THE FOLLOWING: FOR 4"-12" DIAMETER MAIN, AWWA C900, CLASS 150 WITH DR 18 OR LESS. FOR 6" DIAMETER HYDRANT LATERALS, AWWA C900, CLASS 200 WITH DR 18 OR LESS,
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8. RESTRAIN ALL VALVES, FITTINGS, BENDS, REDUCERS, AND DEAD ENDS AT THE PIPE CONNECTION.
9. HYDRANTS SHALL BE FULLY RESTRAINED. ALL HYDRANT LEADS SHALL BE RESTRAINED WITH CONCRETE BUTTRESS AT TEE AND HYDRANT SHOE.
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11. CONTRACTOR SHALL TEST WATER MAIN MAINLINE AND LATERAL TRACER WIRE TRACEABILITY OF THE ENTIRE WATER MAIN SYSTEM INSTALLED DURING THE PROJECT.

## UTILITY NOTES

PROJECT LIMITS

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Project Title:
**RENOVATION AND ADDITION TO:**
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**Mukwonago Area School District**
**930 N Rochester St,**
**Mukwonago, WI 53149**

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

**NOT FOR CONSTRUCTION**

Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **WATER MAIN - PLAN & PROFILE STA. - 5+00 TO 8+00**

Sheet Number: **C1.60J**

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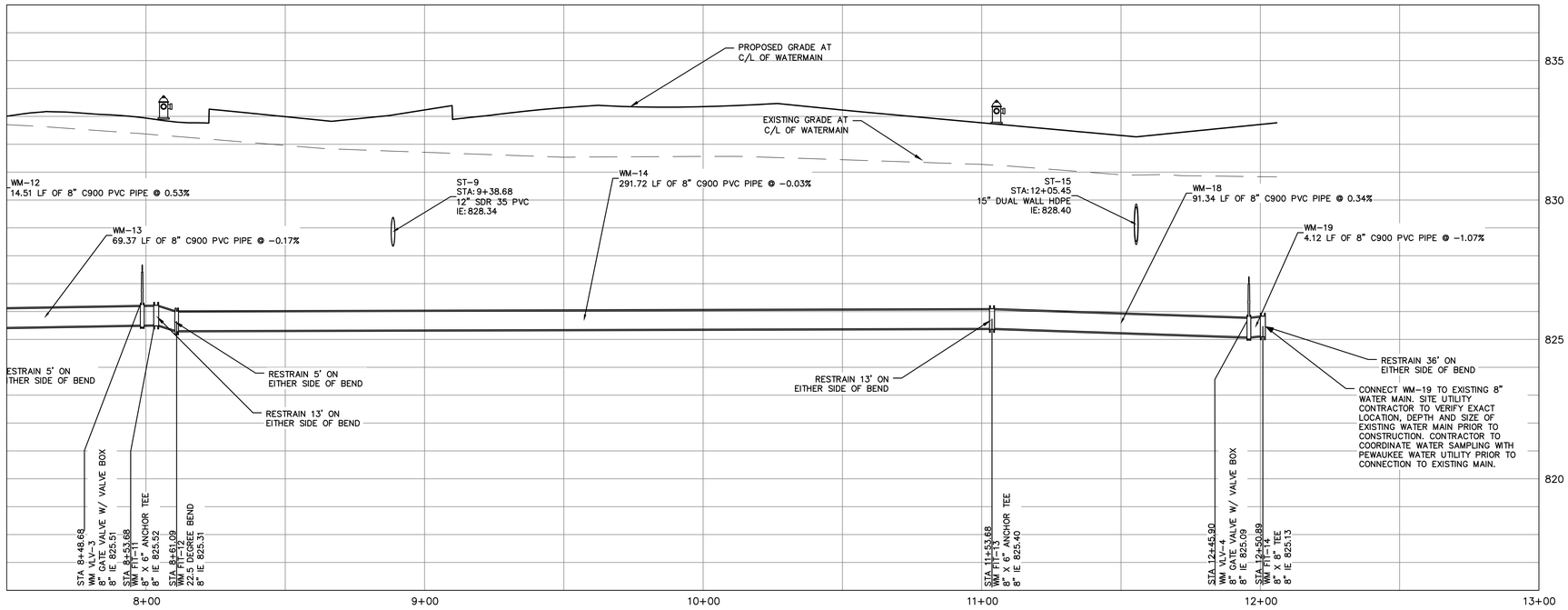


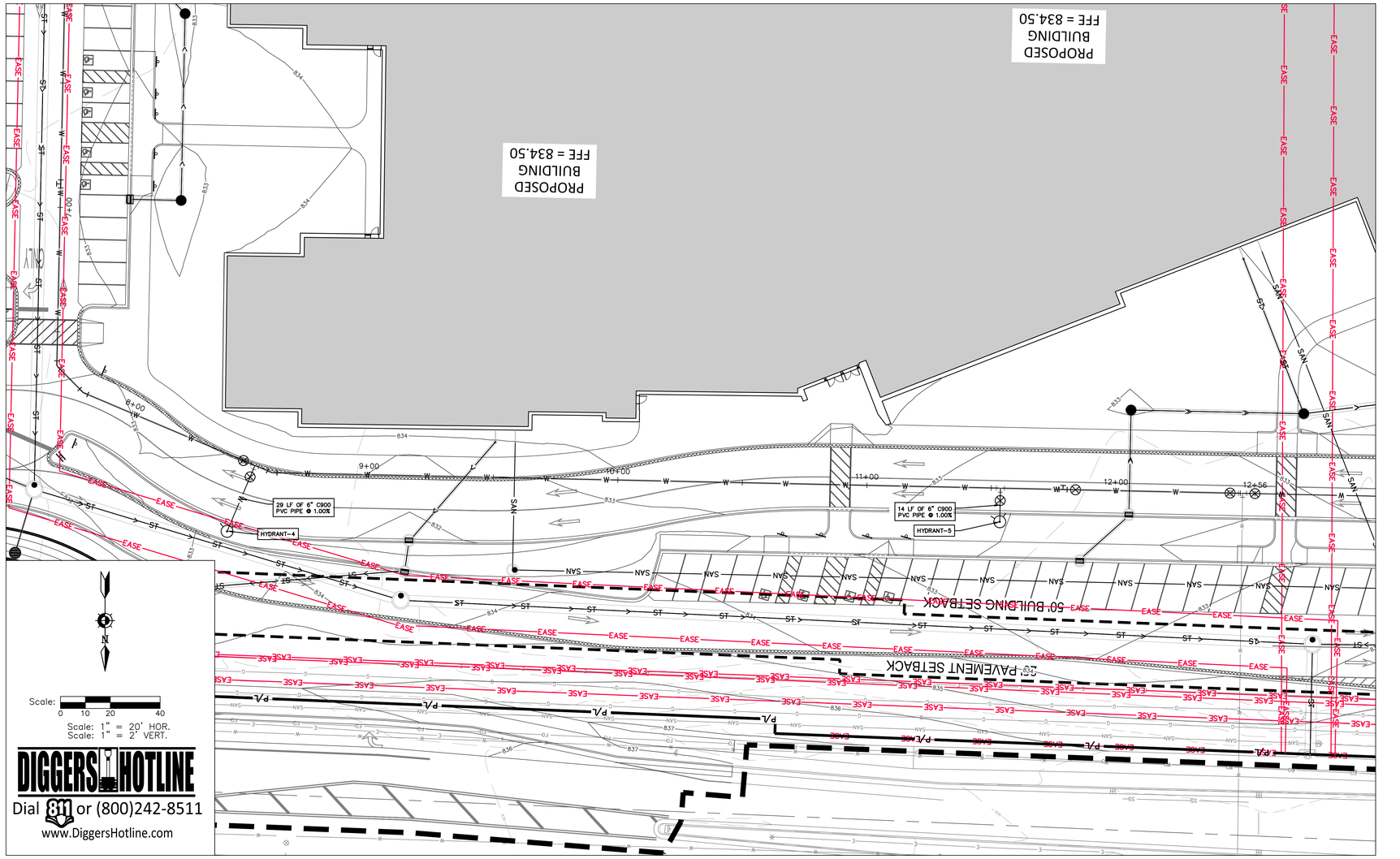


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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
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930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: WATER MAIN - PLAN & PROFILE - STA. 8+00 TO 12+50.89

Sheet Number: C1.61K

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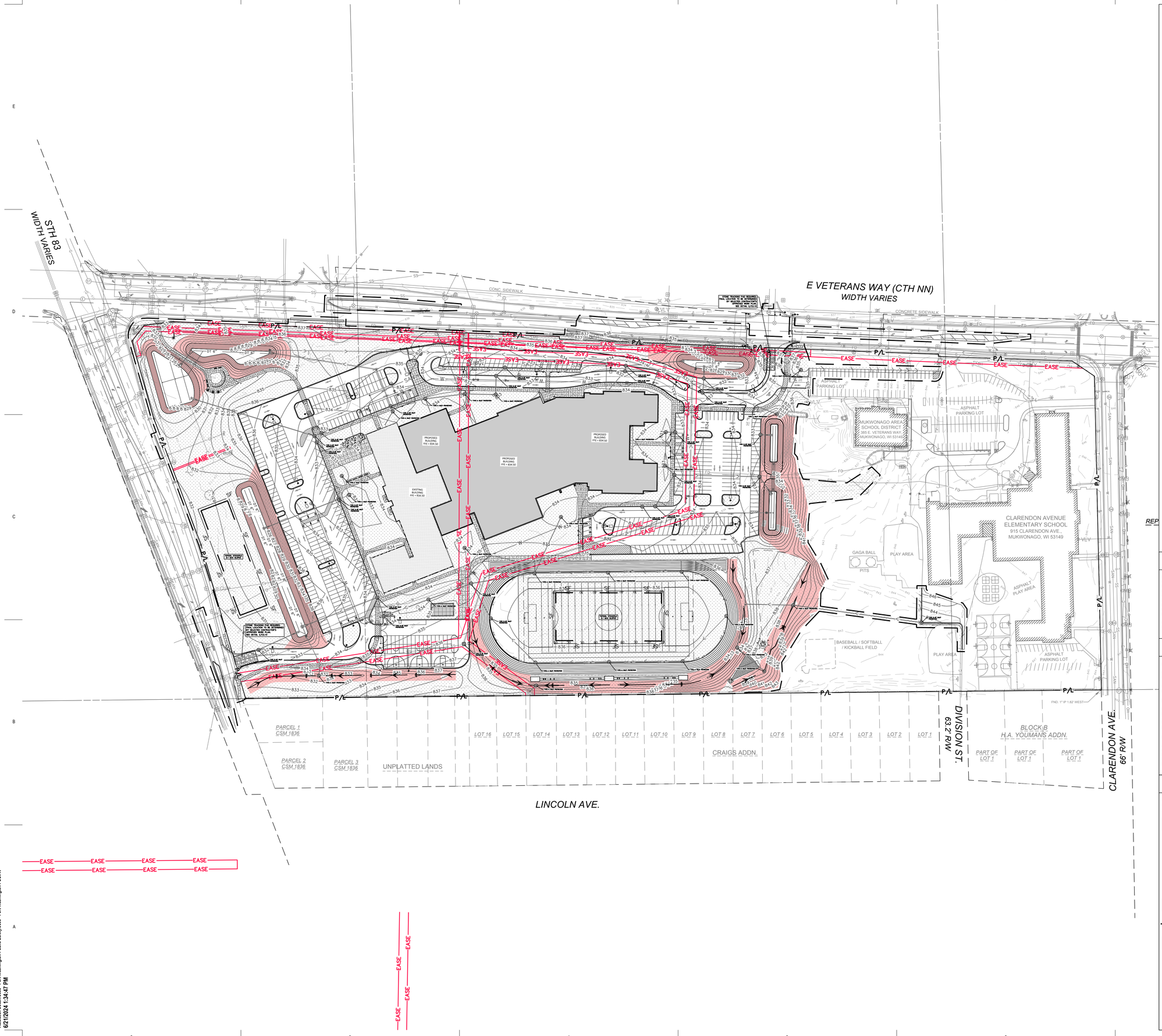


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Scale: 1" = 80'

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## EROSION NOTES

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS AND WPDES PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.

AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN WETLANDS, WATERWAYS OR FLOOD PLAINS UNLESS IDENTIFIED IN THE PLANS.

## POINTS OF CONTACT


LAND OWNER:

ANDY WENGER – OPERATIONS MANAGER
MUKWONAGO AREA SCHOOL DISTRICT
385 E VETERANS WAY
MUKWONAGO, WI 53149
PHONE: (262) 363-6300

PROJECT ENGINEER:

MICHAEL J. FROEHLICH, P.E.
KAPUR & ASSOCIATES, INC
788 N JEFFERSON STREET, STE 900
MILWAUKEE, WI 53202
PHONE: (414) 751-7200

CONSTRUCTION MANAGER:

JASUN BERKA – SUPERINTENDENT
JP CULLEN
104 E PLEASANT STREET
MILWAUKEE, WI 53212
PHONE: (414) 988-0088


## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- INSTALL EROSION MAT ON ALL SLOPES GREATER THAN 4:1 AND ALL DRAINAGE SWALES
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- SF — FILTER FABRIC FENCE
- STONE TRACKING PAD REQUIRED; LOCATION TO BE DETERMINED BY SELECTED CONTRACTOR'S APPROVED WORK PLAN.
- TRIANGULAR SILT DIKES
- DESIGNATES PROPOSED INLETS THAT MUST BE PROTECTED AFTER THEY HAVE BEEN CONSTRUCTED.
- DESIGNATES EXISTING INLETS THAT MUST BE PROTECTED


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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: OVERALL SITE EROSION CONTROL PLAN

Sheet Number: C1.70

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STH 83
WIDTH VARIES

MATCHLINE

TOPSOIL STOCKPILE
3:1 MAX SLOPES

PROPOSED
BUILDING
FFE = 834.50

EXISTING
BUILDING
FFE = 834.50

TYPE D-RF INLET PROTECTION

TYPE-A INLET PROTECTION

Scale:
0 15 30 60
Scale: 1" = 30'

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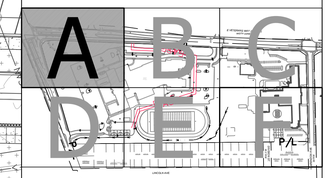
## VICINITY MAP

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- DESIGNATES EXISTING INLETS THAT MUST BE PROTECTED


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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St,
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number:
3526

Issued For:
PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
SITE EROSION CONTROL PLAN - AREA A

Sheet Number:
C1.71A

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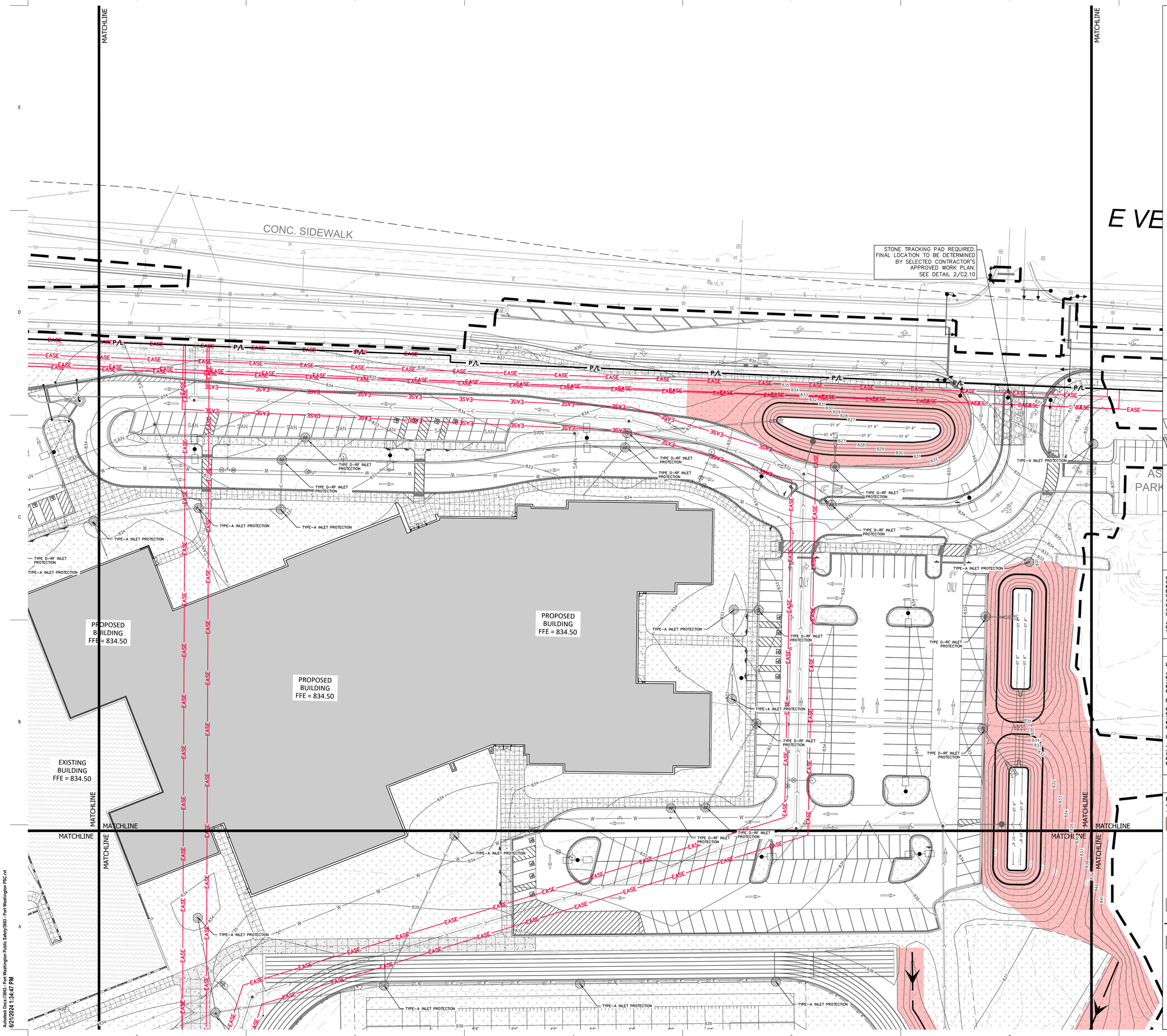


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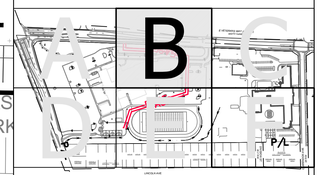
## VICINITY MAP

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Sheet Title: SITE EROSION CONTROL PLAN - AREA B

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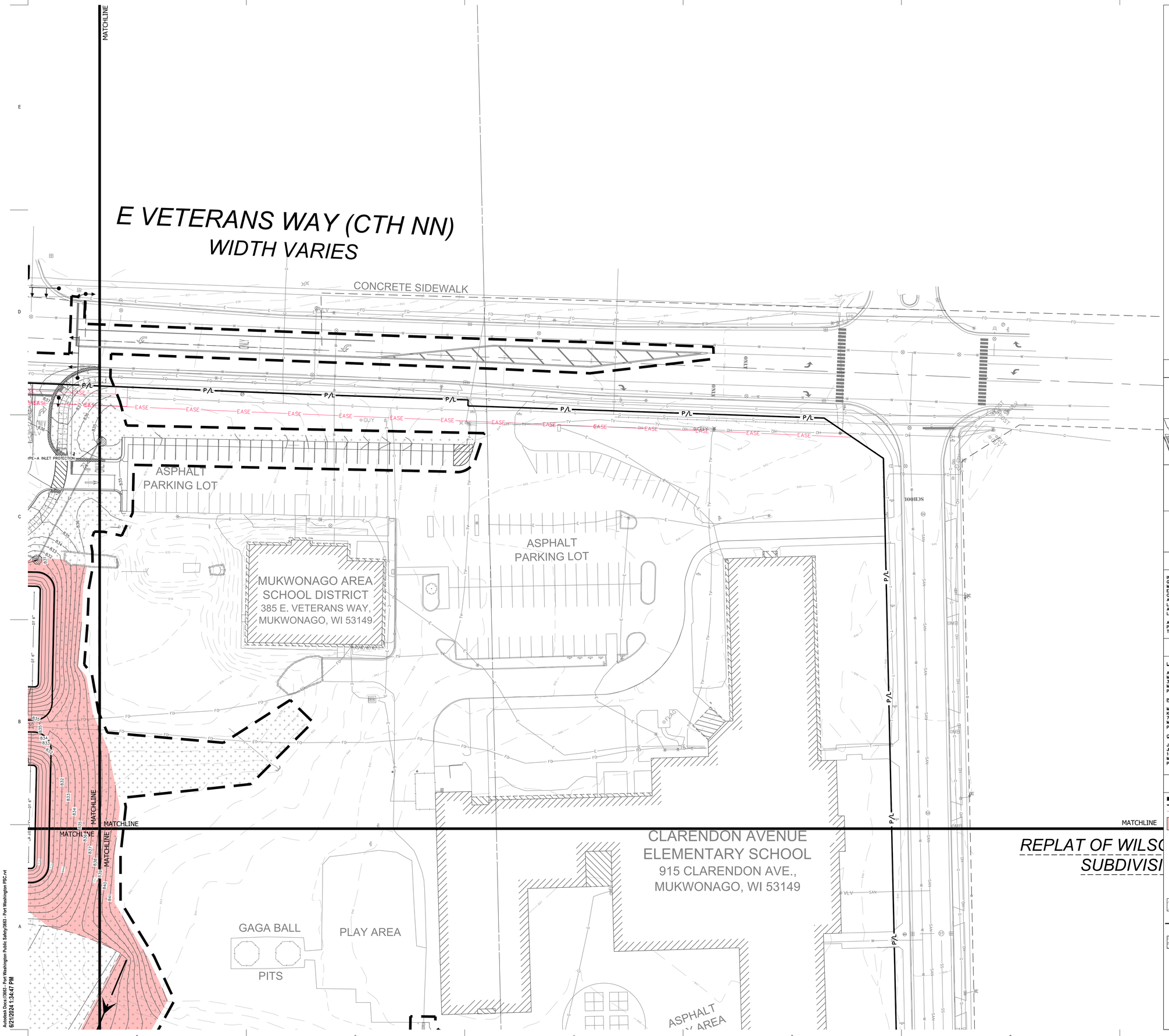


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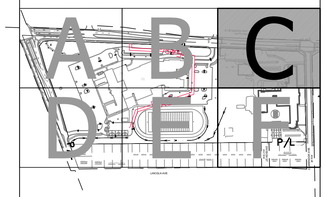


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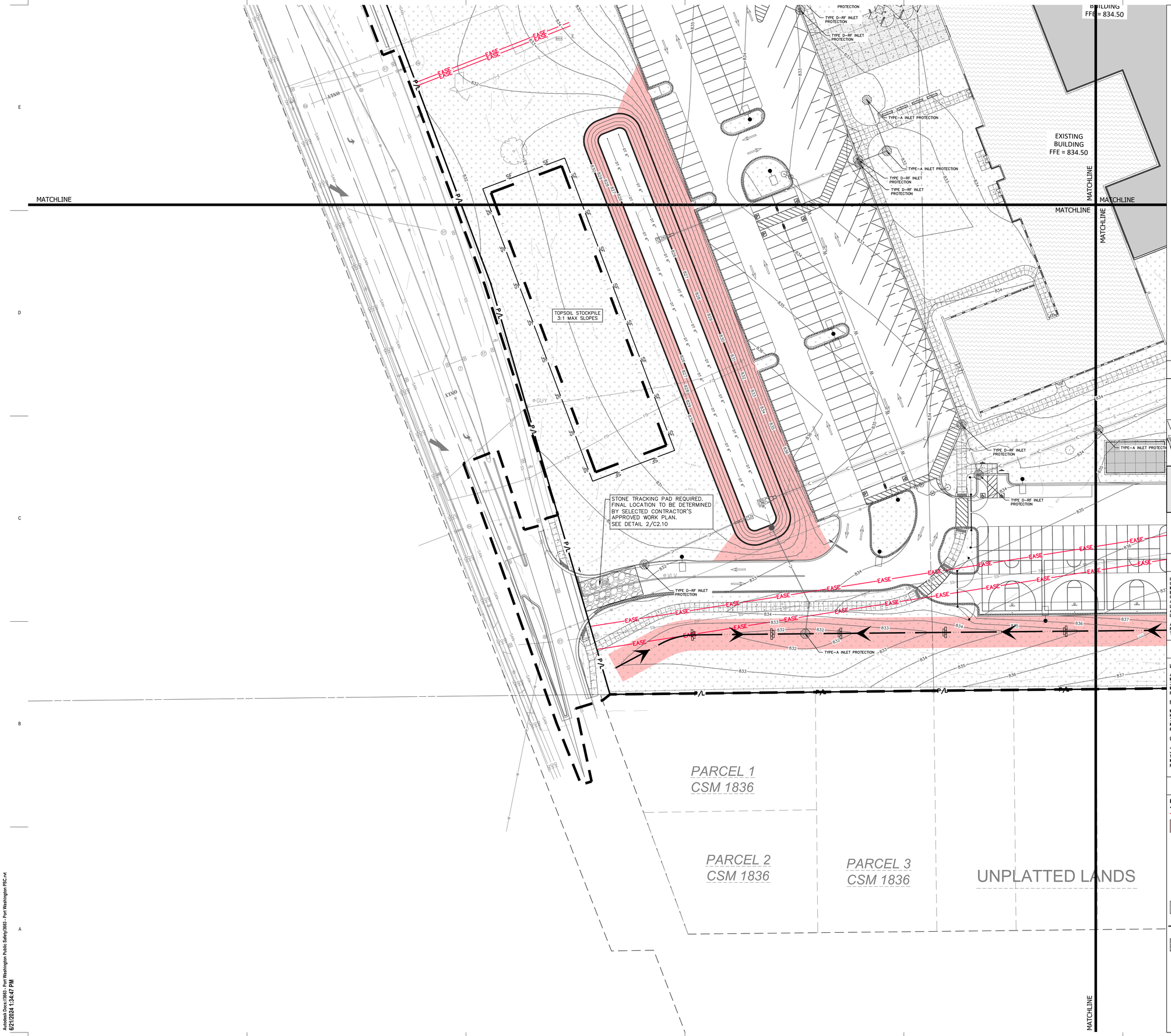


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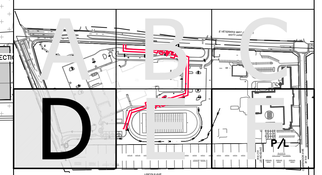


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Sheet Title: SITE EROSION CONTROL PLAN - AREA D

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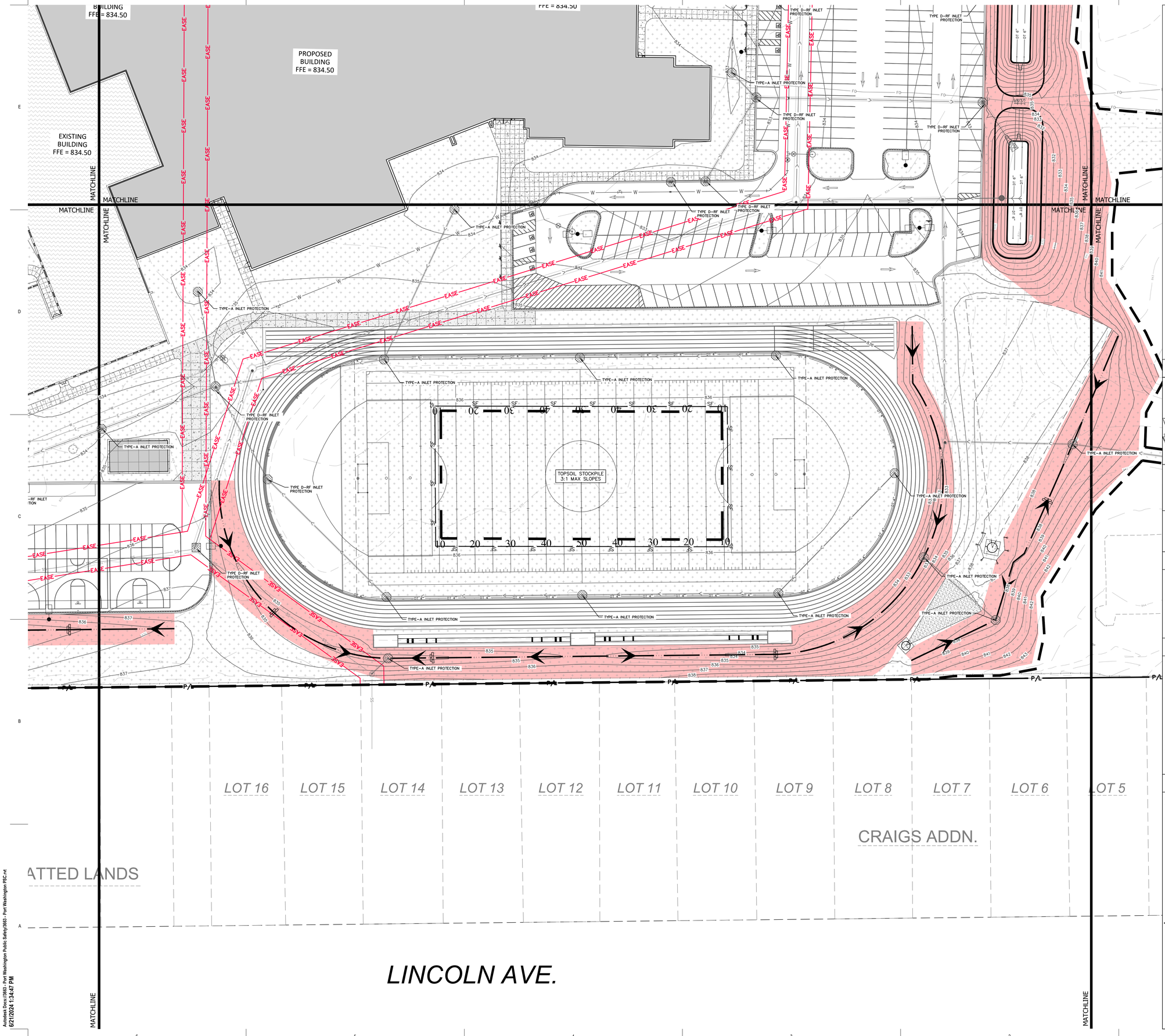


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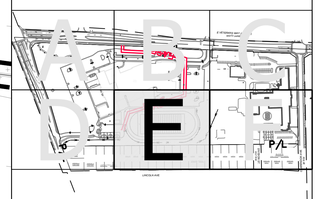

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Sheet Title:
SITE EROSION CONTROL PLAN - AREA E

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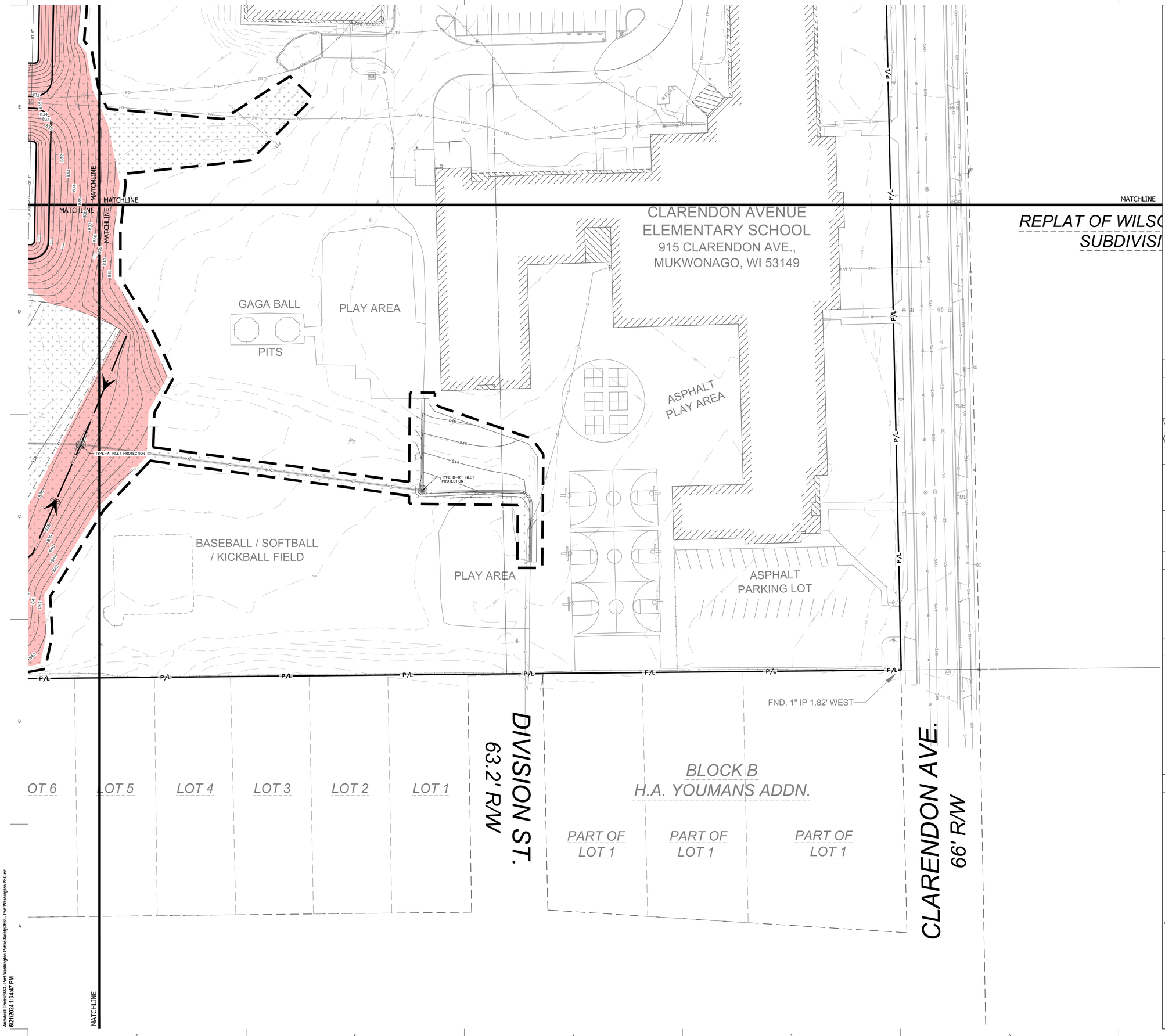


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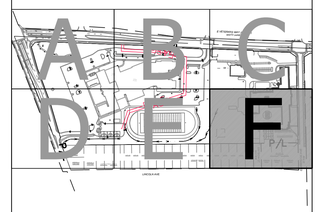

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SITE EROSION CONTROL PLAN - AREA F

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# EROSION CONTROL MEASURES

1. CONTRACTOR TO INSTALL AND MAINTAIN EROSION CONTROL MEASURES AS INDICATED ON THIS PLAN AND PER THE LATEST WDNR TECHNICAL STANDARDS. TECHNICAL STANDARDS MAY BE VIEWED ONLINE AT: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html

2. INLETS AND CATCH BASINS SHALL BE PROTECTED WITH INLET FILTERS THAT ARE PHASED IN WITH CONSTRUCTION TO REDUCE SEDIMENT FROM ENTERING THESE AREAS PER WDNR TECHNICAL STANDARD 1060 AS FOLLOWS:

   ALL FABRIC BARRIERS SELECTED FOR INLET/CATCH BASIN PROTECTION DEVICES SHALL BE SELECTED FROM THE LIST OF APPROVED FABRICS CERTIFIED FOR INLET PROTECTION, GEOTEXTILE FABRIC, TYPE FF IN THE CURRENT EDITION OF THE WIscDOT PRODUCT ACCEPTABILITY LIST, TO OBTAIN THE PAL, PLEASE REFER TO THIS WEBSITE: http://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnslt-rsrces/tools/pal/pal-7-14.pdf

   A. INLET PROTECTION SHALL BE AT A MINIMUM INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT OF 59/64 INCH OR GREATER DURING A 24-HOUR PERIOD.

   B. PLACEMENT OF SPOIL MATERIAL, DEBRIS, SOILS, ETC. ON TOP OF INLETS/CATCH BASINS, EVEN IF TEMPORARY, IS STRICTLY DISCOURAGED AND PROHIBITED.

   C. SEDIMENT DEPOSITS SHALL BE REMOVED AND THE INLET PROTECTION DEVICE RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED BETWEEN 1/3 TO 59/64 THE DESIGN DEPTH OF THE DEVICE FOR TYPES A-C, WHEN SEDIMENT IS WITHIN 6" OF THE BOTTOM OF THE OVERFLOW HOLE FOR TYPE D, OR WHEN THE DEVICE IS NO LONGER FUNCTIONING PER MANUFACTURER'S SPECIFICATIONS. ALL SEDIMENT COLLECTED SHALL BE PROPERLY DISPOSED OF TO PREVENT DISCHARGE INTO AREA WATERWAYS AND WETLANDS.

   D. DUE CARE SHALL BE TAKEN TO ENSURE SEDIMENT DOES NOT FALL INTO THE INLETS/CATCH BASINS AND IMPEDE THE INTENDED FUNCTION OF THE DEVICE. ANY MATERIAL FALLING INTO THE INLET/CATCH BASIN SHALL BE REMOVED AND PROPERLY DISPOSED OF PER NOTE C ABOVE.

   E. INLET FILTERS MAY BE REMOVED AND PROPERLY DISPOSED OF UPON COMPLETION OF CONSTRUCTION, HAULING OR MOVEMENT OF CONSTRUCTION EQUIPMENT THROUGHOUT THE SITE, AND ONCE THE SITE IS ADEQUATELY STABILIZED, UNLESS AS OTHERWISE NOTIFIED BY THE WDNR.

3. A TRACKING PAD SHALL BE INSTALLED AS SHOWN ON THE PLAN SHEET PRIOR TO THE START OF CONSTRUCTION TO REDUCE OFF-SITE SEDIMENTATION BY ELIMINATING THE TRACKING OF SEDIMENT FROM THE SITE PER WDNR TECHNICAL STANDARD 1057 AS FOLLOWS:

   A. AGGREGATE USED FOR TRACKING PADS SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE. ALL MATERIAL TO BE RETAINED BY 3 INCH SIEVE.

   B. THE AGGREGATE SHALL BE PLACED IN A LAYER OF AT LEAST 12 INCHES THICK. ON SITES WITH A HIGH WATER TABLE, OR WHERE SATURATED CONDITIONS ARE EXPECTED, TRACKING PADS WILL BE UNDERLAIN WITH WIsDOT TYPE R GEOTEXTILE FABRIC.

   C. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT (MIN. 15 FEET WIDE) AND BE AT LEAST 50 FEET LONG.

   D. VEHICLES TRAVELING ACROSS THE TRACKING PAD SHALL MAINTAIN A SLOW CONSTANT SPEED.

   E. ANY SEDIMENT OR ROCK ACCUMULATION ONTO LOCAL ROADWAYS SHALL BE REMOVED BY STREET CLEANING, NOT FLUSHING BEFORE THE END OF EACH WORKING DAY.

   F. THE TRACKING PAD SHALL, AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT OF 59/64 INCH OF RAIN OR MORE DURING A 24-HOUR PERIOD.

   G. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED AT A MINIMUM OF 12" BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.

4. THE CONSTRUCTION SITE PERIMETER AND TOPSOIL STOCKPILE AREA SHALL BE PROTECTED WITH SILT FENCE AS SHOWN ON THE PLAN SHEET PRIOR TO THE START OF CONSTRUCTION TO INTERCEPT AND REDUCE THE FLOW OF SEDIMENT-LADEN SHEET FLOW RUNOFF FROM THE CONSTRUCTION SITE PER WDNR TECHNICAL STANDARD 1056 AS FOLLOWS:

   A. SILT FENCE ENDS SHALL BE EXTENDED UPSLOPE TO PREVENT WATER FROM FLOWING AROUND THE ENDS OF THE FENCE AS SHOWN ON THE PLAN SHEET.

   B. INSTALLED SILT FENCE SHALL BE A MINIMUM 14 INCHES HIGH AND SHALL NOT EXCEED 28 INCHES IN HEIGHT MEASURED FROM THE INSTALLED GROUND ELEVATION.

   C. SILT FENCE SHALL BE SUPPORTED BY EITHER STEEL OR WOOD SUPPORT POSTS.

   D. THE MAXIMUM SPACING OF POSTS FOR NONWOVEN SILT FENCE SHALL BE 3 FEET OR FOR WOVEN FABRIC 8 FEET.

   E. SILT FENCE SHALL HAVE A SUPPORT CORD AT THE TOP OF THE FENCE.

   F. WHERE JOINTS ARE NEEDED, EACH END OF THE FABRIC SHALL BE SECURELY FASTENED TO A POST. THE POSTS SHALL BE WRAPPED AROUND EACH OTHER TO PRODUCE A STABLE AND SECURE JOINT OR SHALL BE OVERLAPPED THE DISTANCE BETWEEN TWO POSTS.

   G. A MINIMUM OF 20 INCHES OF THE POSTS SHALL EXTEND INTO THE GROUND AFTER INSTALLATION.

   H. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF THE FABRIC IN A 4 INCH WIDE BY 6 INCH DEEP TRENCH, OR 6 INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. THE TRENCH SHALL BE BACKFILLED AND COMPACTED. TRENCHES SHALL NOT BE EXCAVATED ANY WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.

   I. ON THE TERMINAL ENDS OF THE SILT FENCE THE FABRIC SHALL BE WRAPPED AROUND THE POST SUCH THAT THE STAPLES ARE NOT VISIBLE.

   J. GEOTEXTILE FABRIC SPECIFICATIONS SHALL MEET VALUES ESTABLISHED IN TECHNICAL STANDARD 1056.

   K. SILT FENCE SHALL BE REMOVED ONCE THE SITE IS ADEQUATELY STABILIZED.

   L. WHEN PLACING SILT FENCE NEAR TREES, CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE ROOT SYSTEM BY AVOIDING COMPACTION AND ROOT CUTTING WITHIN A RADIUS OF 1.5 FEET MULTIPLIED BY THE INCH DIAMETER OF THE TREE.

   M. THE CONTRACTOR MAY FURTHER STRENGTHEN THE SILT FENCE BY USING HAY BALES ON THE DOWN SLOPE SIDE AS NEEDED.

   N. SILT FENCE SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 59/64 INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD.

   O. DAMAGED OR DECOMPOSED SILT FENCE, UNDERCUTTING, OR FLOW CHANNELS AROUND THE END OF BARRIERS SHALL BE REPAIRED OR CORRECTED.

   P. SEDIMENT SHALL BE PROPERLY DISPOSED OF ONCE THE DEPOSITS REACH 59/64 THE HEIGHT OF THE FENCE TO PREVENT DISCHARGE INTO AREA WATERWAYS AND WETLANDS.

5. SEEDING AND MULCHING TECHNIQUES SHALL BE USED ON AREAS OF EXPOSED SOIL WHERE THE ESTABLISHMENT OF VEGETATION IS DESIRED. TEMPORARY SEEDING APPLIES TO DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND-DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 CALENDAR DAYS, REQUIRING VEGETATIVE COVER FOR LESS THAN ONE YEAR. SEED AND MULCH SHALL BE UTILIZED THROUGHOUT THE DURATION OF CONSTRUCTION TO ESTABLISH TEMPORARY VEGETATION TO HELP REDUCE EROSION PER WDNR TECHNICAL STANDARDS 1059 AND 1058 RESPECTIVELY AS FOLLOWS:

   A. TEMPORARY SEEDING REQUIRES A SEEDBED OF LOOSE SOIL TO A MINIMUM DEPTH OF 2 INCHES.

   B. FERTILIZER APPLICATION IS NOT GENERALLY REQUIRED FOR TEMPORARY SEEDING. HOWEVER, ANY APPLICATION OF FERTILIZER OR LIME SHALL BE BASED ON SOIL TESTING.

   C. THE SOIL SHALL HAVE A PH RANGE OF 5.5 TO 8.0.

   D. ALL SEED SHALL CONFORM TO THE REQUIREMENTS OF THE WISCONSIN STATE STATUTES AND OF THE ADMINISTRATIVE CODE CHAPTER ATCP 20.01 REGARDING NOXIOUS WEED SEED CONTENT AND LABELING.

   E. SEED SHALL NOT BE USED LATER THAN ONE YEAR AFTER THE TEST DATE ON THE LABEL.

   F. IN THE SUMMER-SPRING, CONTRACTOR SHALL USE OATS APPLIED AT 131 LBS/ACRE FOR TEMPORARY SEEDING PURPOSES. IN THE FALL THE CONTRACTOR SHALL USE ANNUAL RYEGRASS APPLIED AT 80 LBS/ACRE OR WINTER WHEAT OR CEREAL RYE APPLIED AT 131 LBS/ACRE. THE CONTRACTOR SHALL USE STRAW MULCH APPLIED AT 1.5 TONS/ACRE. DORMANT SEED SHALL BE USED WHEN SOIL TEMPERATURE IS CONSISTENTLY BELOW 53 DEGREES FAHRENHEIT (TYPICALLY NOV. 1 UNTIL SNOW COVER ANNUALLY). NEVER PLACE SEED ON TOP OF SNOW. IF COVER IS NEEDED AFTER SNOW FALL, CONTRACTOR MAY CHOOSE TO USE A DRY, NONTOXIC TYPE B SOIL STABILIZER PER MANUFACTURER'S SPECIFICATIONS AS REQUIRED BY THE WDNR.

   G. SEEDING SHALL NOT TAKE PLACE WHEN THE SOIL IS TOO WET.

   H. CONTRACTOR MAY CONSIDER WATERING TO HELP ESTABLISH THE SEED. WATER APPLICATION RATES SHALL BE CONTROLLED TO HELP PREVENT RUNOFF AND EROSION.

   I. DURING CONSTRUCTION, AREAS THAT HAVE BEEN SEEDED AND MULCHED SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 59/64 INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD. INSPECT WEEKLY DURING THE GROWING SEASON UNTIL VEGETATION IS DENSELY ESTABLISHED OR THE SOD IS LAID. REPAIR AND RESEED AREAS THAT HAVE EROSION DAMAGE AS NECESSARY.

   J. CONTRACTOR IS TO LIMIT VEHICLE TRAFFIC AND OTHER FORMS OF COMPACTION IN AREAS THAT ARE SEEDED AS MUCH AS POSSIBLE. RE-SEED DRIVEN OVER AREAS AS NEEDED.

   K. MULCH SHOULD BE PLACED WITHIN 24 HOURS OF SEEDING.

   L. MULCHING OPERATIONS SHALL NOT TAKE PLACE DURING PERIODS OF EXCESSIVELY HIGH WINDS THAT WOULD PRECLUDE THE PROPER PLACEMENT OF MULCH.

   M. MULCH THAT IS DISPLACED SHALL BE REAPPLIED AND PROPERLY ANCHORED. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION TO SITE CONDITIONS.

   N. WHEN CHANNEL EROSION MAT IS USED WITHIN CONSTRUCTION SITE DIVERSION AREAS, TECHNICAL STANDARDS 1053 AND 1066 SHALL BE FOLLOWED.

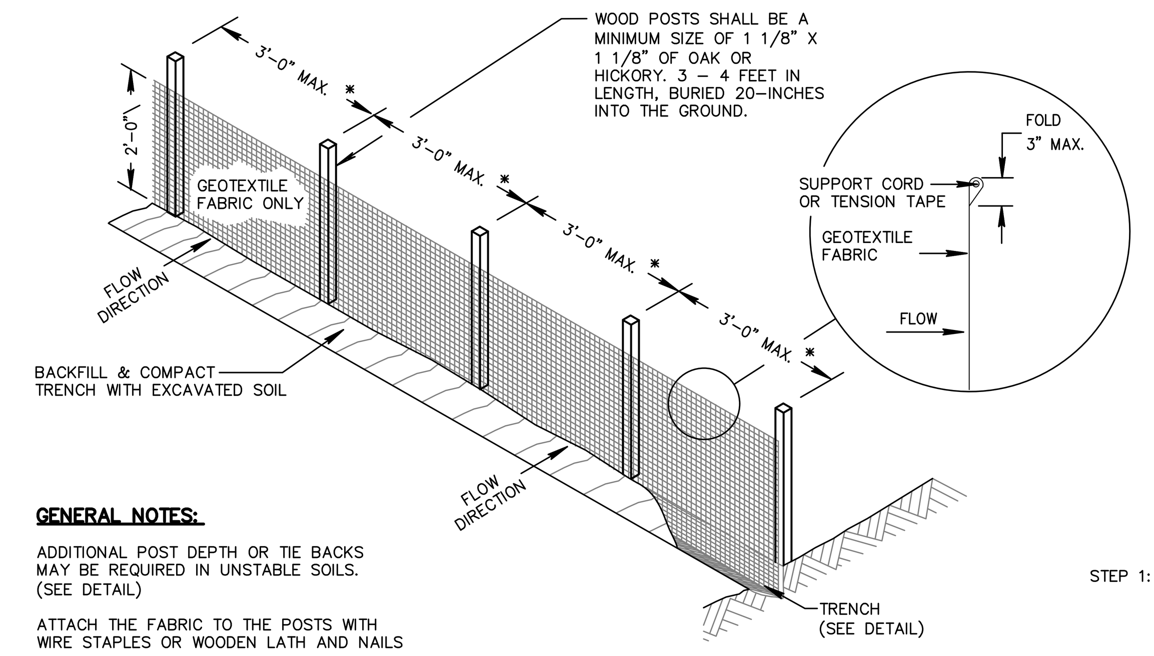
   O. WHEN NON-CHANNEL EROSION MAT IS USED TECHNICAL STANDARD 1052 SHALL BE FOLLOWED.

   P. DEPENDING ON DURATION OF CONSTRUCTION, THE CONTRACTOR MAY NEED TO RE-SEED AND RE-STABILIZE THE TOPSOIL STOCKPILE AS NECESSARY TO DISCOURAGE SEDIMENT AND EROSION.

6. A COPY OF EROSION CONTROL INSPECTION REPORTS AND THE APPROVED EROSION CONTROL PLANS SHALL BE KEPT ON SITE.

7. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL PRACTICES BY THE END OF EACH WORKDAY.

8. LOCAL ROADS SHALL BE CLEAN BY THE END OF EACH WORKDAY. CONTRACTOR SHALL HAVE LOCAL ROADS SWEPT WHERE SEDIMENT ACCUMULATES.




**GENERAL NOTES:**

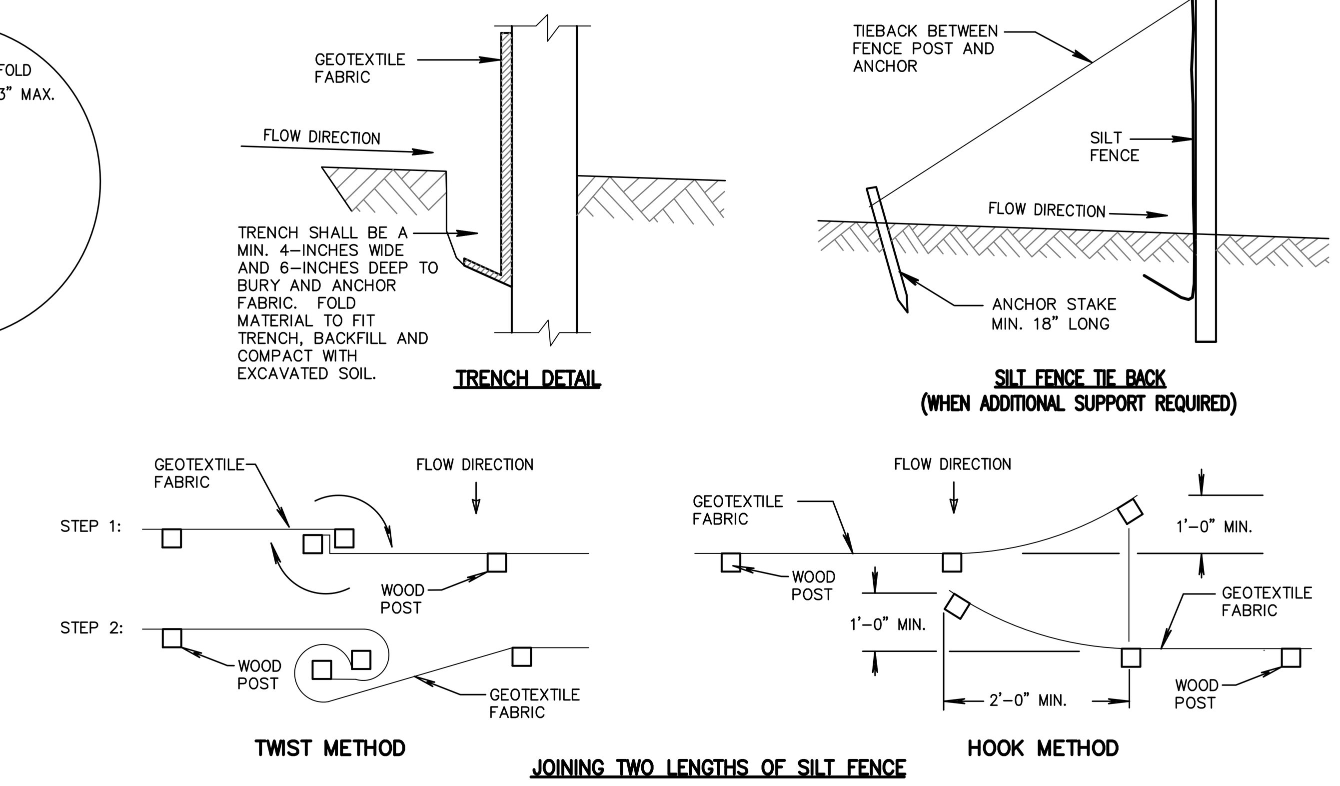
ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS. (SEE DETAIL)

ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND NAILS

*8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

IF POSSIBLE, CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL TO AVOID JOINTS. IF A JOINT IS NECESSARY, USE ONE OF THE FOLLOWING METHODS:
(1)TWIST METHOD: OVERLAP END POSTS & TWIST AT LEAST 180 DEGREES.
(2)HOOK METHOD: HOOK THE END OF EACH SILT FENCE LENGTH.

**AXONOMETRIC VIEW**




1 / C2.10 FILTER FABRIC SILT FENCE DETAIL
N.T.S.

# EROSION CONTROL OPERATION SEQUENCE + SCHEDULE

AFTER BIDS ARE RECEIVED AND A MASS GRADING CONTRACTOR IS SELECTED, A PRE-CONSTRUCTION MEETING SHALL TAKE PLACE WITH ALL RELEVANT PARTIES IN ATTENDANCE.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL SILT FENCES, SEEDING, EROSION MATTING, AND OTHER EROSION CONTROL MEASURES. GENERAL CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING, OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 59/64 INCH OR GREATER. IN ADDITION, THE ACTIVE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE, ALONG WITH DATE, TIME OF INSPECTION, AND WEATHER CONDITIONS IN A DAILY LOG BOOK.

ALL REGULATORY PERMITS, PROJECT PLANS, AND INSPECTION LOGS SHALL BE KEPT ON SITE IN AN ACCESSIBLE LOCATION, SUCH AS A MAILBOX, AVAILABLE TO REGULATORY AGENCIES UPON REQUEST.

CONTRACTORS ARE TO MAINTAIN THE CONSTRUCTION SITE IN A NEAT AND TIDY MANNER FOR THE DURATION OF THE PROJECT.

**THE TIMING AND SEQUENCE OF CONSTRUCTION IS SCHEDULED AS FOLLOWS:**

1. OBTAIN PLAN APPROVAL FROM THE VILLAGE OF MUKWONAGO, AND ALL APPLICABLE PERMITS, INCLUDING EROSION CONTROL PERMIT.
2. CONSTRUCTION IS SCHEDULED TO BEGIN IN SEPTEMBER 2025, DEPENDING ON WEATHER & GROUND CONDITIONS.
3. A GRAVEL TRACKING PAD UNDERLAIN WITH WISDOT TYPE R GEOTEXTILE FABRIC SHALL BE INSTALLED AS SHOWN ON THE PLANS. IF INDICATED ON PLANS, INSTALL CONSTRUCTION FENCE AND ANY TEMPORARY TRAFFIC CONTROLS.
4. SILT FENCE, INLET FILTER PROTECTION, AND TRIANGULAR SILT DIKES SHALL BE INSTALLED AS SHOWN ON THE PLANS, AND INSPECTED PRIOR TO COMMENCING OF ANY LAND DISTURBING ACTIVITIES PER PROJECT PLANS AND DETAILS. SEDIMENT DEPOSITS WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN THEY REACH A DEPTH OF 1/2 FENCE HEIGHT.
5. FOLLOWING INSTALLATION OF THE EROSION CONTROL MEASURES LISTED IT ITEM #4, THE BIO-RETENTION BASINS SHALL BE CONSTRUCTED TO THE BOOM OF BASIN ELEVATIONS TO SERVE AS TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION. THE CONTRACT SHALL IMMEDIATELY INSTALL THE OUTLET STRUCTURES AT THE LOCATIONS SHOWN ON THE PLANS. IN ADDITION, THE CONTRACTOR SHALL INSTALL DIVERSION SWALES AND DIVERSION BERMS TO DIRECT WATER TO THE TEMPORARY SEDIMENT BASINS DURING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY STABILIZE THE BIO-RETENTION BASIN BANKS, INLETS AND OUTLET STRUCTURES.
6. THE BIO-RETENTION BASINS SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24-HOUR PERIOD. SEDIMENT SHALL BE REMOVED TO MAINTAIN THE 3 FOOT DEPTH OF THE TREATMENT SURFACE AREA AS MEASURED FROM THE INVERT OF THE PRINCIPAL OUTLET. IF THE OUTLET BECOMES CLOGGED IT SHALL BE CLEANED TO RESTORE FLOW CAPACITY. SEDIMENT TO BE REMOVED AFTER CONSTRUCTION & SITE STABILIZATION IS COMPLETE.
7. SITE DEMOLITION OF PAVEMENT, ETC. WILL OCCUR AFTER ALL EROSION CONTROL MEASURES ARE IN PLACE.
8. CONSTRUCTION OF THE BUILDING, STARTING WITH THE FOUNDATION, WILL BEGIN IMMEDIATELY AFTER THE SITE DEMOLITION IS COMPLETE IN THE BUILDING PAD AREA.
9. TOPSOIL STRIPPING AND ROUGH GRADING WILL FOLLOW. TOPSOIL STOCKPILES SHALL BE STABILIZED WITHIN 7 DAYS OF LAY UP. STOCKPILES WILL BE USED FOR FINAL LANDSCAPING. REMAINING STOCKPILES WILL BE REMOVED FROM THE SITE.
10. UTILITY INSTALLATION WILL OCCUR NEXT AND CONTINUE UNTIL ALL THE UTILITIES ARE INSTALLED.
11. AFTER ROUGH GRADING IS COMPLETE IN HARD SURFACE AREAS SUCH AS ROADWAYS, PARKING LOTS, AND BUILDINGS, THE REQUIRED THICKNESS OF DENSE GRADED BASE COURSE, PER THE PROJECT PLANS AND DETAILS WILL BE APPLIED FOR STABILIZATION. AFTER ROUGH GRADING IS COMPLETE OUTSIDE OF HARD SURFACE AREAS, THE TOPSOIL WILL BE REAPPLIED AND THE LANDSCAPE CONTRACTOR WILL COMPLETE SEEDING/SODDING/FERTILIZING/MULCHING AND INSTALL EROSION MATTING AS PER APPROVED PLANS AND SPECIFICATIONS.
12. FINAL SITE STABILIZATION IS ANTICIPATED FOLLOWING THE COMPLETION OF GRADING ACTIVITIES PER WDNR TECHNICAL STANDARD 1059. IF SITE STABILIZATION CANNOT BE COMPLETED BY OCTOBER 15, THEN THE USE OF ANIONIC POLYACRYLAMIDE CONFORMING TO WDNR TECHNICAL STANDARD 1050 SHALL BE USED. IN ADDITION, ALL SLOPES OF GREATER THAN 20% MUST ADHERE TO THE SCHEDULE IN TABLE 1 BELOW.
13. AFTER ALL TOPSOIL HAS BEEN REAPPLIED AND STABILIZATION IS UNDERWAY, ROADWAY, PARKING LOT, AND SIDEWALK SURFACE MATERIAL (I.E. ASPHALT & CONCRETE) WILL BE INSTALLED PER THE PROJECT PLANS AND SPECIFICATIONS.
14. THE GENERAL CONTRACTOR WILL REQUEST A FINAL INSPECTION BY THE CITY. UPON APPROVAL, ALL SILT FENCES, INLET FILTER PROTECTION, AND TRIANGULAR SILT DIKES SHALL BE REMOVED, AND ACCUMULATED SEDIMENT IN THE SEDIMENT BASIN/STORM WATER POND SHALL BE DREDGED AND PROPERLY DISPOSED OF. IN ADDITION, THE CONTRACTOR MUST ENSURE THAT THE STORM WATER POND IS RETURNED TO THE SLOPES AND GRADES SHOWN ON THE PROJECT PLANS AND DETAILS.
15. IF REQUIRED, FINAL "AS-BUILT" SURVEYS ARE TO BE CONDUCTED BY THE OWNER AND FINAL DOCUMENTS FORWARDED TO THE CITY.
16. BARE SOIL LEFT UNDISTURBED FOR 14 CALENDAR DAYS MUST BE TEMPORARILY STABILIZED PER WDNR TECHNICAL STANDARD 1059. BY OCTOBER 15, THE SITE SHALL BE STABILIZED PER NOTE 12 ABOVE.
17. WE DO NOT ANTICIPATE THE NEED FOR WATERING WITH THIS CONSTRUCTION SCHEDULE, HOWEVER, IF ADEQUATE RAIN IS NOT EXPERIENCED WITHIN ONE WEEK AFTER INITIAL SEED GERMINATION AT ANY POINT DURING THE CONSTRUCTION PROCESS, WATER SHALL BE TRUCKED IN AND APPLIED ONCE PER WEEK.

**IF CONSTRUCTION SCHEDULES SHOULD CHANGE SIGNIFICANTLY, THIS PLAN NARRATIVE WILL BE UPDATED AND RESUBMITTED BY THE GENERAL CONTRACTOR TO THE CITY AND WDNR.**

| TABLE 1 – MAXIMUM PERIOD OF BARE SOIL FOR SLOPES GREATER THAN 20% | | |
|---|---|---|
| SLOPE AREA DRAINS TO SEDIMENT BASIN? | LAND DISTURBANCE BETWEEN SEPT. 16 AND MAY 1 | LAND DISTURBANCE BETWEEN MAY 2 AND SEPT. 15 |
| YES | 90 DAYS | 90 DAYS |
| NO | 60 DAYS | 30 DAYS |
| TABLE FROM WI DNR GUIDANCE DOC # 3800–2015–06 | | |

# DEWATERING PLAN

TO FACILITATE CONSTRUCTION AT THE PROJECT SITE, DEWATERING MAY TAKE PLACE BY THE SELECTED CONTRACTOR. CONTRACTOR TO FOLLOW THESE INSTRUCTIONS WHILE PERFORMING DEWATERING ACTIVITIES ON-SITE. IF DEWATERING IS TO TAKE PLACE AT THE SITE, IT WILL OCCUR BETWEEN STEPS 3 AND 14 OF THE EROSION CONTROL OPERATION SEQUENCE.

NOTE: THESE INSTRUCTIONS DO NOT APPLY TO WATER BEING DISCHARGED DIRECTLY TO GROUNDWATER OR KARST FEATURES OR WELL DEWATERING SYSTEMS. CONTRACTOR SHALL COORDINATE ACCORDINGLY FOR OTHER DEWATERING ACTIVITIES AS DEEMED NECESSARY WITH THE WDNR.

1. THE CONTRACTOR SHALL ENSURE THAT THE DEWATERING PRACTICES CARRIED OUT MEET OR EXCEED WNDR TECHNICAL STANDARD NUMBER 1061.
2. A PAN OR OTHER CONTAINMENT DEVICE SHALL BE PLACED UNDERNEATH THE PUMP TO CAPTURE ANY SPILLS. OILS, GASOLINE, ETC. SHALL NOT BE STORED WITHIN WETLANDS, NEAR THE STORMWATER POND, OR OTHER ON-SITE WATER AREAS.
3. A TYPE 2 GEOTEXTILE BAG THAT IS NO SMALLER THAN 100 SQUARE FEET; HAS A MAXIMUM APPARENT OPENING SIZE OF 0.212 mm; HAS A GRAB TENSILE STRENGTH OF 300 LBS; MULLEN BURST OF 580 PSI; PERMEABILITY OF 0.2 CM/SEC; FABRIC WEIGHT OF 12 OZ SHALL BE USED. THE GEOTEXTILE BAG AREA AND DOWNGRADE FLOW AREA SHALL CONSIST OF VEGETATED AND UNDISTURBED SOILS.
4. POLYMER APPROVED BY THE WDNR MEETING WDNR TECHNICAL STANDARD 1051 MAY BE USED IN COMBINATION WITH THE DEWATERING BAG IF THE DEWATERING BAG IS NOT DOING AN ADEQUATE JOB ALONE OF FILTERING SEDIMENTS. THE CONTRACTOR SHALL SUPPLY TOXICITY TESTING DATA TO THE WDNR BEFORE USE ON-SITE FOR WDNR APPROVAL. POLYMER SHALL NOT BE DIRECTLY APPLIED TO SURFACE WATER. CONTRACTOR SHALL OBTAIN THE MATERIAL SAFETY DATA SHEETS (MSDS) FOR THE SELECTED POLYMER, MANUFACTURER'S INFORMATION AND WDNR USE RESTRICTIONS (SEE TECHNICAL STANDARD 1051) AND KEEP ALL THIS INFORMATION ON-SITE. CONTRACTOR SHALL ADHERE TO MANUFACTURER AND WDNR'S APPLICATION RATES FOR THE POLYMER, WITH THE WDNR'S RATE TAKING PRECEDENCE. THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT THE POLYMER IS NOT SPILLED. SPILL KITS SHALL BE KEPT ON SITE; THE MANUFACTURER'S RECOMMENDED CLEANUP PROCEDURES SHALL BE FOLLOWED IN THE EVENT OF A SPILL.
5. A TARP MAY BE UTILIZED UNDERNEATH THE TYPE 2 GEOTEXTILE BAG AND JUST DOWN SLOPE OF THE BAG TO DISCOURAGE EROSION AND SCOUR.
6. A FLOATING SUCTION HOSE OR OTHER FLOTATION METHOD SHALL BE UTILIZED WHEN PUMPING FROM AN AREA WITH STANDING WATER TO AVOID SUCKING SEDIMENT FROM GRADE.
7. IF TURBID WATER IS LEAVING THE GEOTEXTILE BAG, THE CONTRACTOR SHALL SHUT OFF THE PUMP TO ALLOW SEDIMENTS TO SETTLE INTO THE BAG. CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S SPECIFICATIONS FOR DETERMINING THE SEDIMENT CAPACITY OF THE GEOTEXTILE BAG USING GOOD COMMON SENSE. SEDIMENT LEVELS CONTAINED IN THE BAG SHALL BE MONITORED TO MEASURE THE LOSS OF STORAGE CAPACITY OVER TIME. THE CONTRACTOR SHALL PROPERLY DISPOSE OF THE GEOTEXTILE BAG IN A WASTE RECEPTACLE ONCE IT IS NO LONGER USED.
8. DURING DEWATERING ACTIVITIES THE CONTRACTOR SHALL MONITOR DEWATERING PRACTICES AND KEEP A LOG OF THE FOLLOWING:
   A. DISCHARGE DURATION AND SPECIFIED PUMPING RATE.
   B. OBSERVED WATER TABLE AT TIME OF DEWATERING.
   C. MAINTENANCE ACTIVITIES
   D. NAME AND QUANTITY OF POLYMER USED. PRODUCT TYPE.
      APPLICATION RATE OF POLYMER IN POUNDS/ACRE FEET OF WATER.
      DATE AND TIME APPLIED.
      WEATHER CONDITIONS DURING APPLICATION.
      METHOD OF APPLICATION.

THIS LOG NEEDS TO BE KEPT ON SITE FOR WDNR REGULATORY REVIEW. COPIES OF THIS DOCUMENTATION SHOULD BE KEPT IN THE CONTRACTOR'S MONITORING LOG AND MADE AVAILABLE UPON REQUEST.

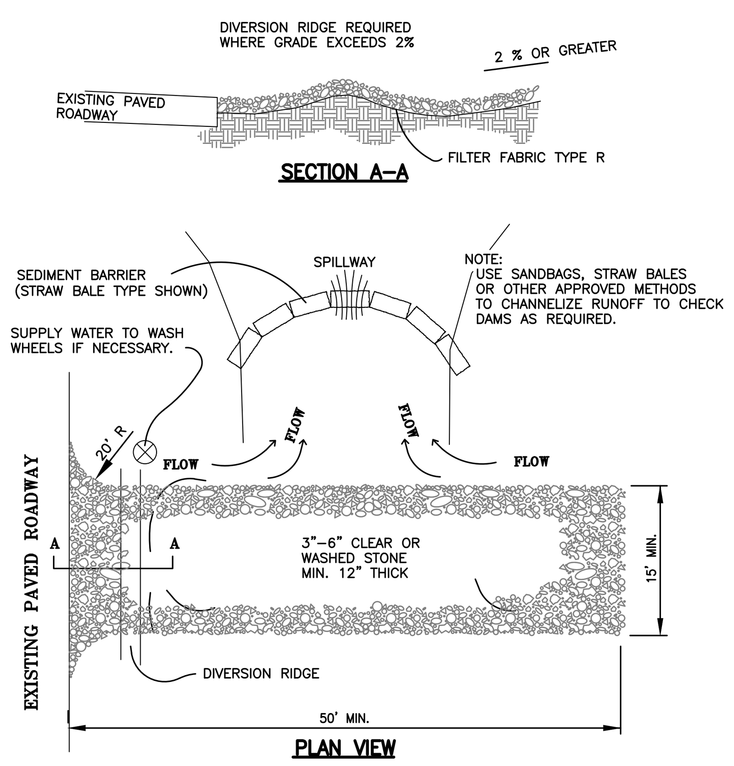
REVIEW THE FOLLOWING FOR MORE INFORMATION:

WDNR TECHNICAL STANDARD 1061 FOR DEWATERING –
http://dnr.wi.gov/topic/stormWater/documents/Dewatering_1061.pdf

WDNR TECHNICAL STANDARD 1051 FOR POLYMER –
http://dnr.wi.gov/topic/stormWater/documents/dnr1051.pdf

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE, ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS WPDES PERMIT & CHAPTER 30 PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.

AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN WETLANDS, WATERWAYS OR FLOODPLAINS UNLESS IDENTIFIED IN THE PLANS & APPROVED BY DNR/USACOE.




**GENERAL NOTES:**

THE AGGREGATE SIZE FOR CONSTRUCTION OF THE PAD SHALL BE 3- TO 6-INCH STONE. PLACE THE GRAVEL TO THE SPECIFIC GRADE & DIMENSIONS SHOWN ON THE PLANS & GRADE TO CREATE A SMOOTH SURFACE.

THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12 INCHES. USE GEOTEXTILE FABRICS, IF NECESSARY, TO IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.

THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS & IN ANY CASE SHALL NOT BE LESS THAN 15 FEET WIDE.

THE LENGTH OF THE PAD SHALL BE AS REQUIRED, BUT NOT LESS THAN 50 FEET.

LOCATE CONSTRUCTION ENTRANCES & EXITS TO LIMIT SEDIMENT LEAVING THE SITE & TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES. AVOID ENTRANCES WHICH HAVE STEEP GRADES & ENTRANCES AT CURVES IN PUBLIC ROADS.

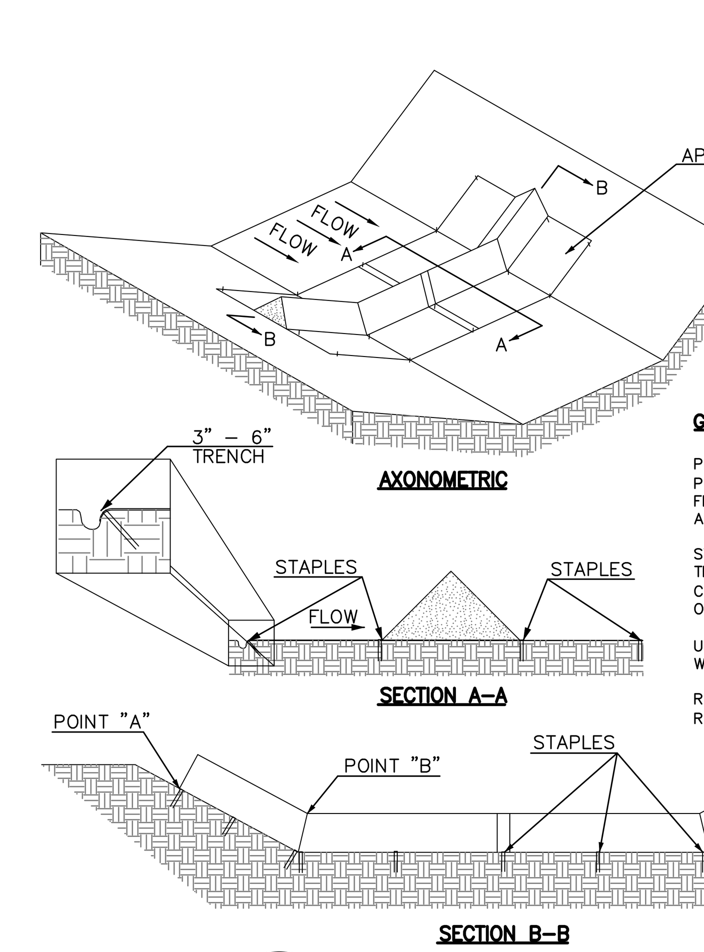
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE & REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED BY THE END OF THE WORK DAY.

PROVIDE DRAINAGE FOR A 2 YEAR – 24 HOUR EVENT TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.

WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, DESIGNATE AN AREA WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

2 / C2.10 STONE TRACKING CONSTRUCTION ENTRANCE
N.T.S.




**GENERAL NOTES:**

POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE & NOT AROUND THE ENDS.

STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP & IN THE CENTER OF THE 7' UNIT AS SHOWN ON THE DIAGRAMS.

USE 10" HIGH SILT DIKE AS PER WDNR TECHNICAL STANDARD 1062.

REMOVE SEDIMENT WHEN IT REACHES A HEIGHT OF 5".

3 / C2.10 TRIANGULAR SILT DIKE
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Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St,**
**Mukwonago, WI 53149**

REVISIONS:

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Project Number:
**3526**

Issued For:
**PLAN COMMISSION SUBMITTAL**
4/2/2025

Sheet Title:
**SITE EROSION CONTROL DETAILS**

Sheet Number:
**C2.10**

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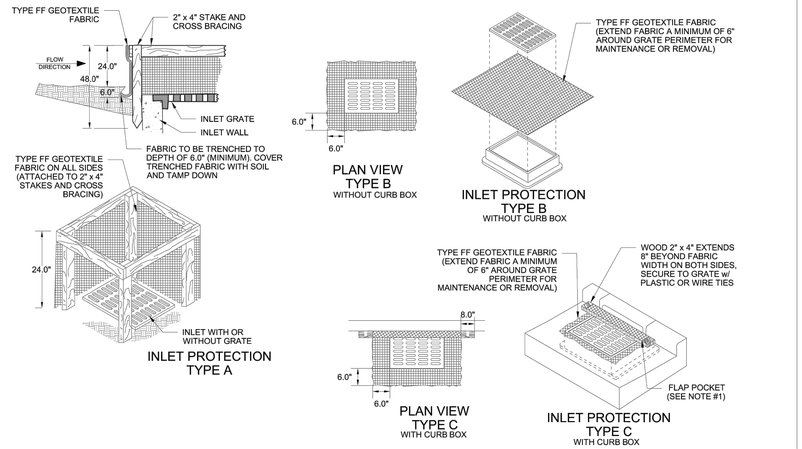
## FIGURE 1. INLET PROTECTION TYPES A, B AND C




NOTES:

1. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

MAINTENANCE NOTES:

1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

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1060
TECHNICAL STANDARD No.
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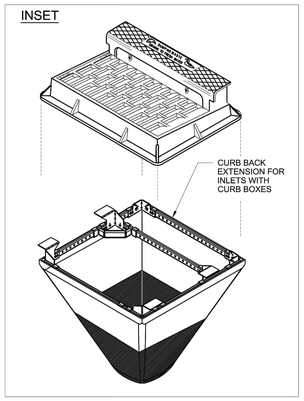
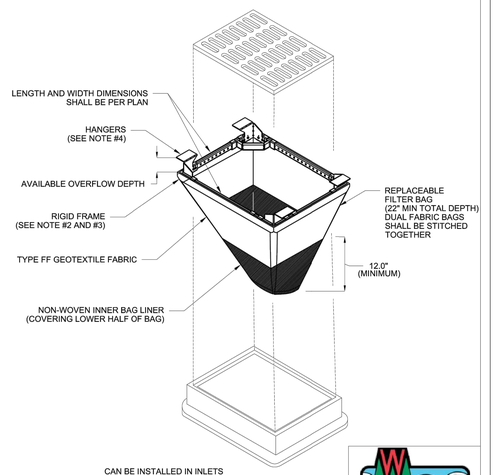
## FIGURE 5. INLET PROTECTION TYPE D-RF




NOTES:

1. TAPER BOTTOM OF BAG TO MAINTAIN 3" OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
2. THE RIGID FRAME SHALL BE CONSTRUCTED OF GALVANIZED STEEL AND HAVE ADEQUATE STRENGTH TO SUPPORT THE WEIGHT OF THE SEDIMENT BAG WHEN COMPLETELY FULL.
3. THE RIGID FRAME SHALL NOT INTERFERE WITH OR ELEVATE THE GRATE MORE THAN 1/8".
4. DROP THE INLET FILTER THROUGH THE CLEAR OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE.




CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES

MAINTENANCE NOTES:

1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE STRUCTURE SHALL BE IMMEDIATELY REMOVED.

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| TABLE 1 – INLET DEVICE SELECTION | | | |
|---|---|---|---|
| INLET TYPE | PROJECT PHASE | INLET PROTECTION | NOTES |
| YARD DRAIN OR FIELD INLET | MAJOR GRADING THROUGH FINAL STABILIZATION | TYPE A | ALLOW PONDING AROUND DRAIN IF CONDITIONS ALLOW |
| PAVED AREA DRAIN | PRE–PAVING | TYPE A | AFTER CASTINGS ARE IN PLACE, USE TYPE D SERIES WHEN NEEDED FOR SAFETY, OR USE TYPE B IF INSUFFICIENT DEPTH IS AVAILABLE |
| | POST–PAVING | TYPE D, D–M, D–HR, OR D–RF | USE TYPE B IF INLET IS NOT DEEP ENOUGH FOR TYPE D SERIES |
| CURB INLET | PRE–PAVING | TYPE A | AFTER CASTINGS ARE IN PLACE, USE TYPE D SERIES WHEN NEEDED FOR SAFETY, OR USE TYPE C IF INSUFFICIENT DEPTH IS AVAILABLE |
| | POST–PAVING/CURBING | TYPE D, D–M, D–HR, OR D–RF | USE TYPE C IF INLET IS NOT DEEP ENOUGH FOR TYPE D SERIES |
| TABLE FROM WI DNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES 1060 | | | |

1 / C2.10A INLET PROTECTION DETAIL
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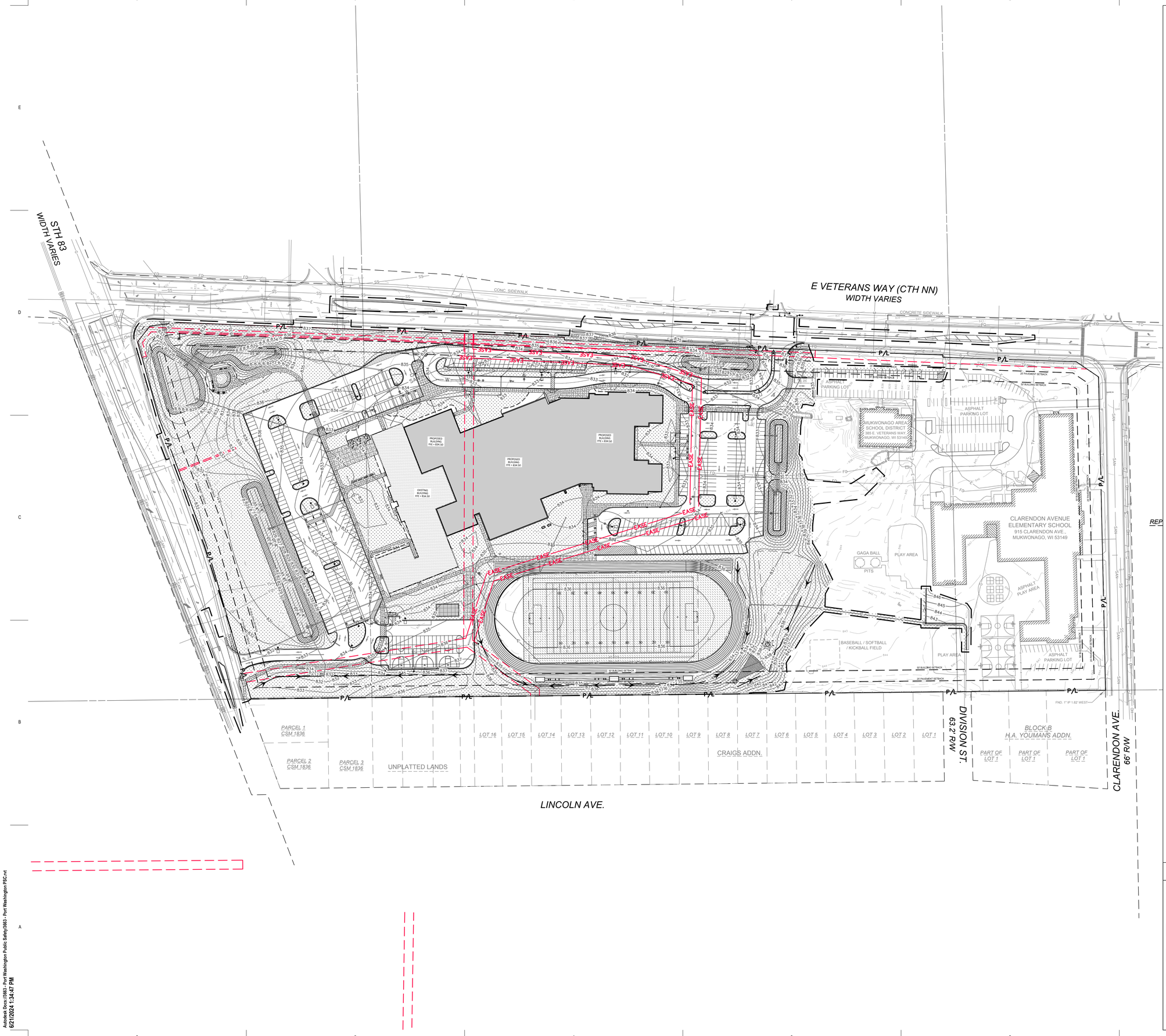


Scale: 0 40 80 160
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## HATCH LEGEND

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- TEMPORARY TREE PROTECTION FENCE
- AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED WITH MINIMUM 4" TOPSOIL, KENTUCKY BLUE GRASS SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.
- AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED WITH MINIMUM 4" TOPSOIL, NO MOW FESCUE WITH ANNUAL RYE GRASS SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.
- MIX 1: 3" PLUG PLANTINGS IN BIORETENTION AREA. REFER TO CIVIL AND LANDSCAPE DETAILS. PLUGS TO BE PLANTED 12–INCHES O.C. (2 / L2.10)
- NEW SEEDED SPORTS FIELD WITH MINIMUM 4" TOPSOIL, BARENBRUG TURF BLUE PRO SEED (OR APPROVED EQUIVALENT), FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED. TOPSOIL PLACEMENT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND FINE GRADING BY THE LANDSCAPE CONTRACTOR.

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Sheet Title: **OVERALL SITE LANDSCAPE PLAN**

Sheet Number: **L1.10**

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Sheet Number: **L1.11A**

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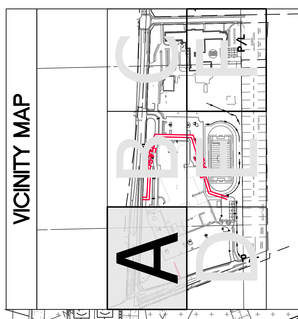

HATCH LEGEND

- PROJECT LIMITS
- PROPERTY LINE
- CASEMENT LINE
- TEMPORARY TREE PROTECTION FENCE
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- AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED WITH MINIMUM 4" TOPSOIL, NO NEW SEED, FERTILIZER, OR MULCH (TYP.). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.
- MIX 13: 5" PLUG PLANTINGS IN BIORETENTION AREA - REFER TO LANDSCAPE ARCHITECTURAL DETAILS. PLUGS TO BE PLANTED 12-INCHES O.C. (2 / L2.10)
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- PLANT "CODE" REFERENCES TO THE PLANT SCHEDULE
- QUANTITY OF PLANTS IN THE PLANT GROUPING
- LEADER LINE
- PLANT SYMBOL (SYMBOL VARIES)

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1. SHREDDED HARDWOOD MULCH (7 / L2.10)
2. ALUMINUM EDGING AT PLANTING BED (8 / L2.10)
3. NEW TRANSPLANTED LOCATION FOR EXISTING TREES THAT WERE PLANTED BY THE GIRL SCOUTS. (SEE DEMOLITION PLAN) LOCATED ADJACENT TO EXISTING BASEBALL FIELD AND THE MUKWONAGO SCHOOL DISTRICT ADMINISTRATIVE OFFICE BUILDING.
4. NEW TRANSPLANTED LOCATION FOR EXISTING MEMORIAL TREE AND PLAQUE, (CURRENTLY LOCATED AT THE PARK VIEW MIDDLE SCHOOL) LOCATED ADJACENT TO THE DISTRICT ADMINISTRATIVE OFFICE PARKING LOT.
5. 4'x8' RAISED GARDENS – 30" TALL (FOR SPECIAL EDUCATION)
6. UTILITY TRANSFORMER (SEE CIVIL PLANS – PROTECT FROM DAMAGE DURING CONSTRUCTION)
7. PAD MOUNTED CT CABINET WITH METER (SEE CIVIL PLANS – PROTECT FROM DAMAGE DURING CONSTRUCTION)
8. FLAGPOLES (SEE CIVIL PLANS – PROTECT FROM DAMAGE DURING CONSTRUCTION)

MATCHLINE

PROPOSED BUILDING FFE = 834.50

EXISTING BUILDING FFE = 834.50

25' PAVEMENT SETBACK

50' BUILDING SETBACK

P/L

BIORETENTION BASIN #2 (3,056 SF) (SEE DETAIL 2/L2.10)

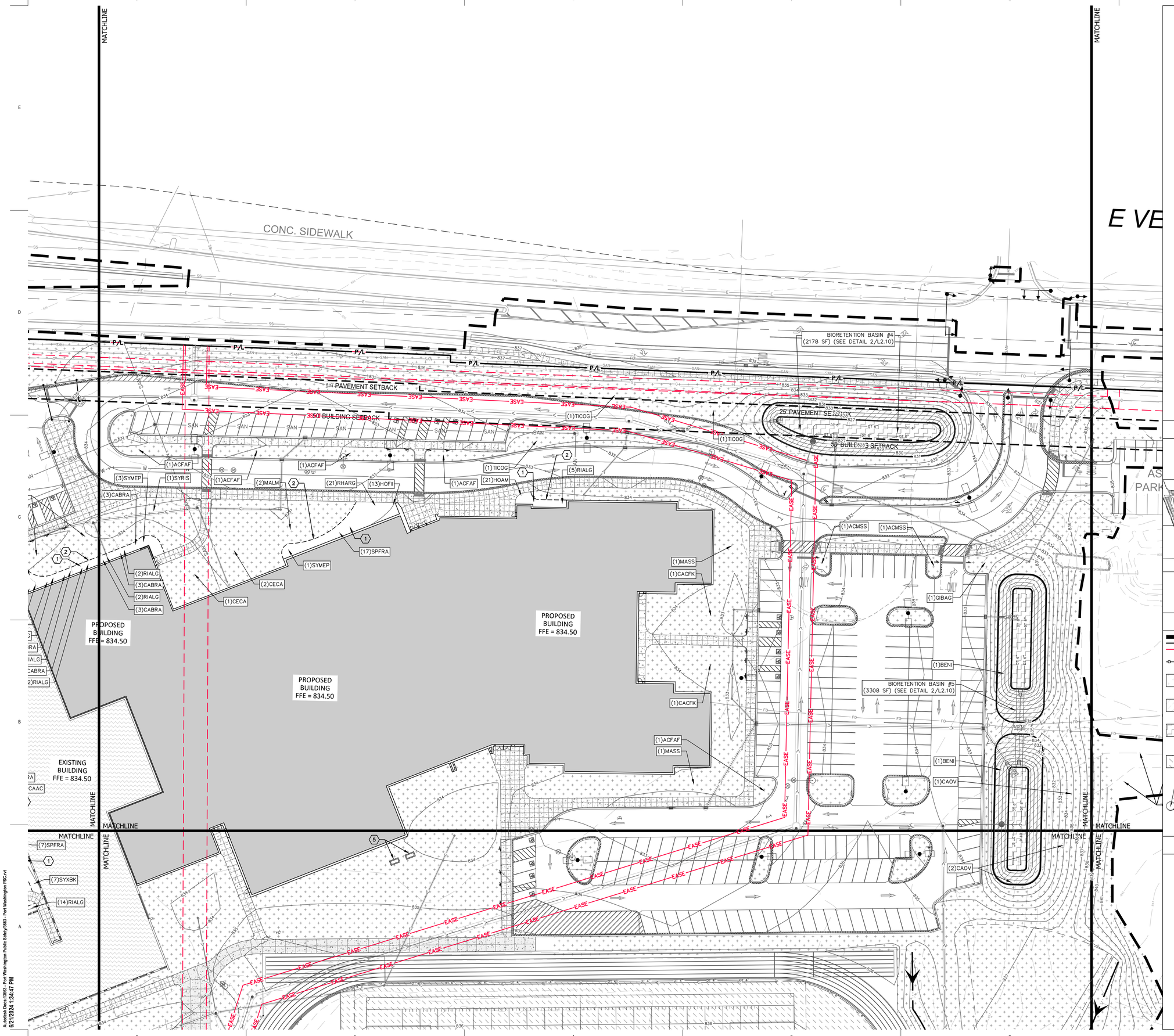
BIORETENTION BASIN #1 (7,095 SF) (SEE DETAIL 2/L2.10)

BIORETENTION BASIN #3 (6894 SF) (SEE DETAIL 2/L2.10)

ONIX

SCHOOL ONLY

STH 83
WIDTH VARIES

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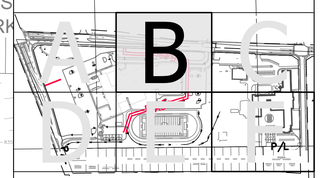

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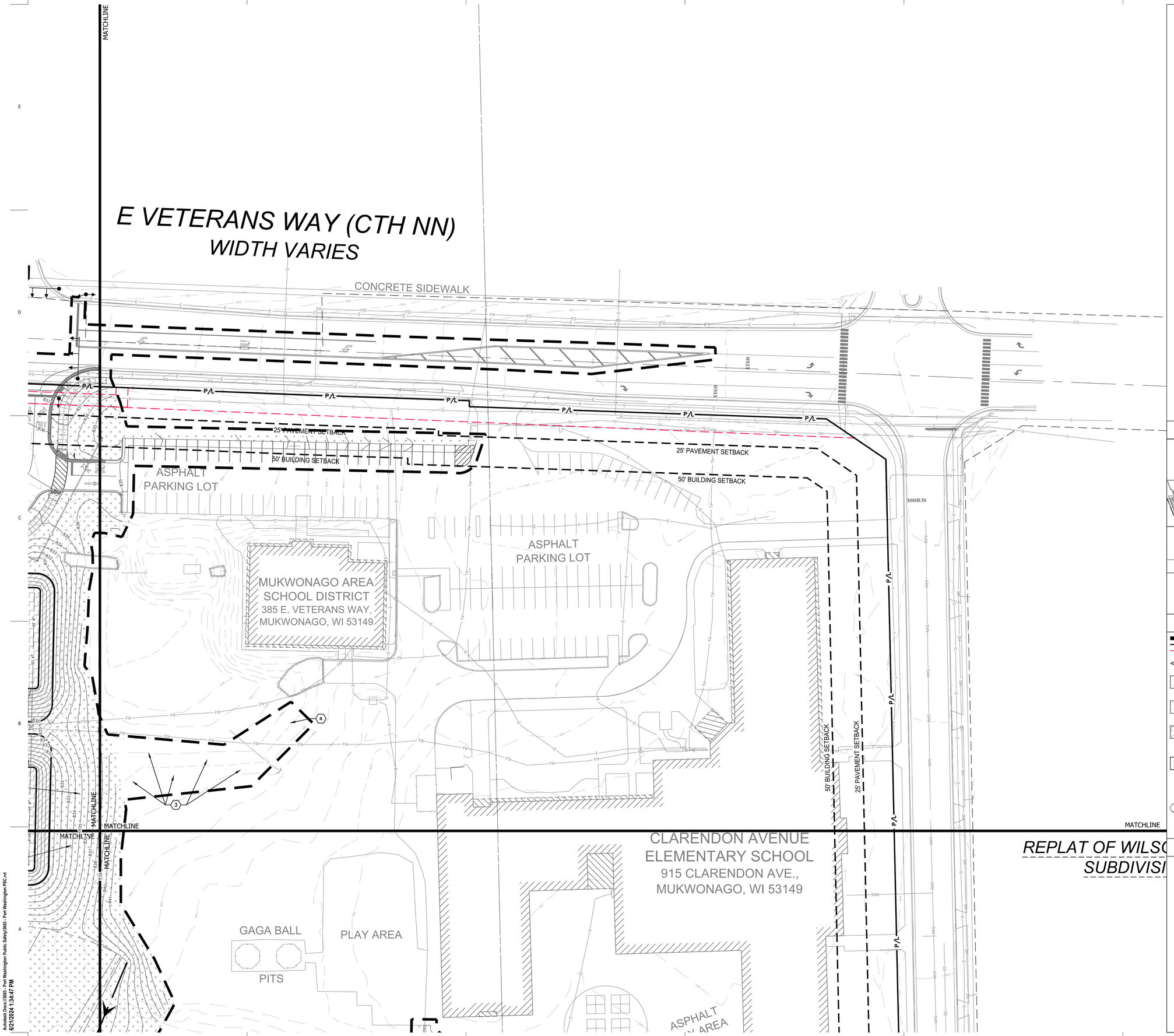


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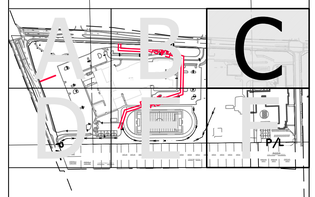


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**SITE LANDSCAPE PLAN - AREA C**

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**L1.13C**

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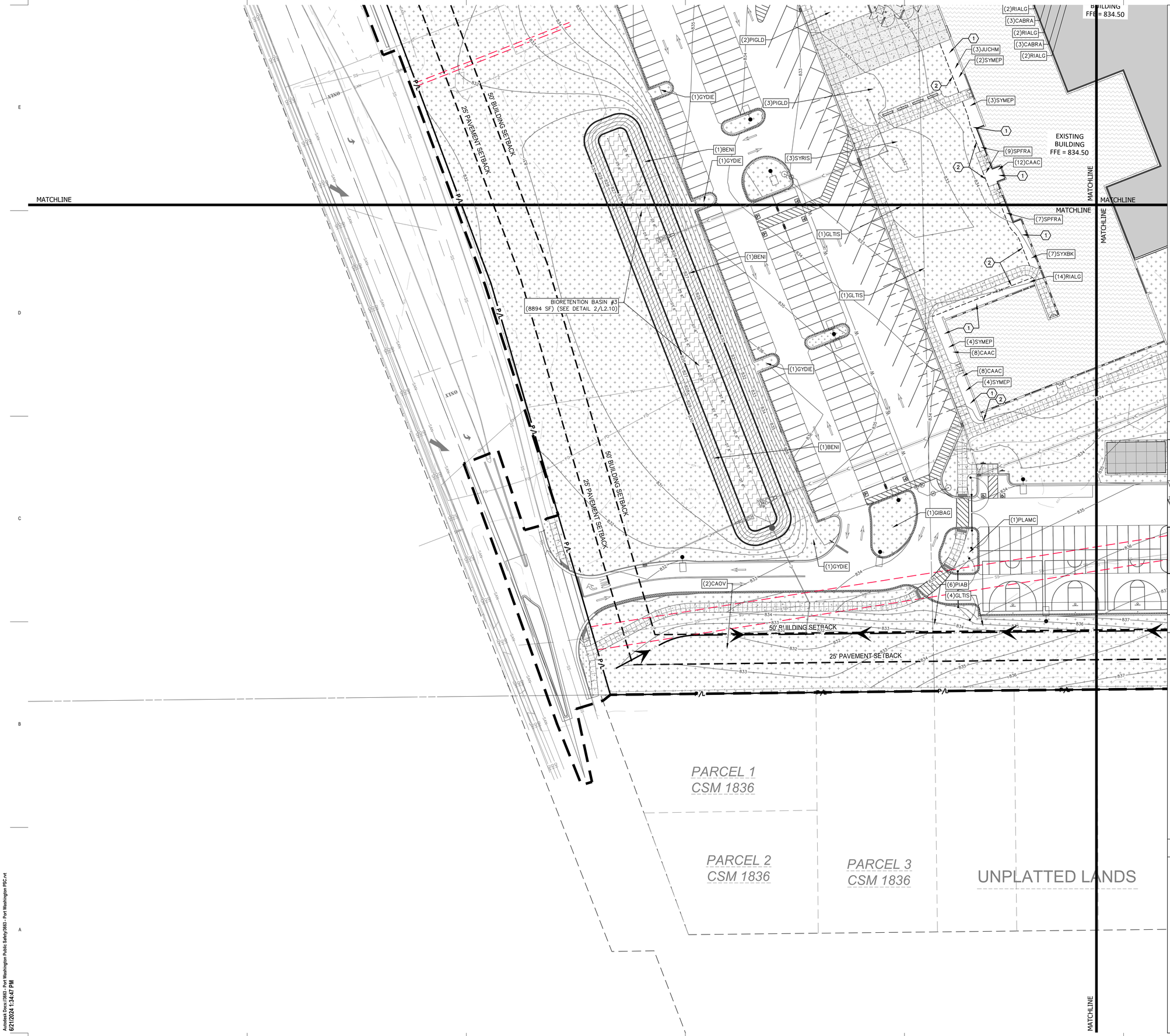


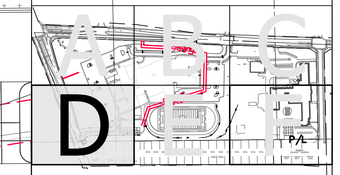


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## VICINITY MAP

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Sheet Title: SITE LANDSCAPE PLAN - AREA D

Sheet Number: L1.14D

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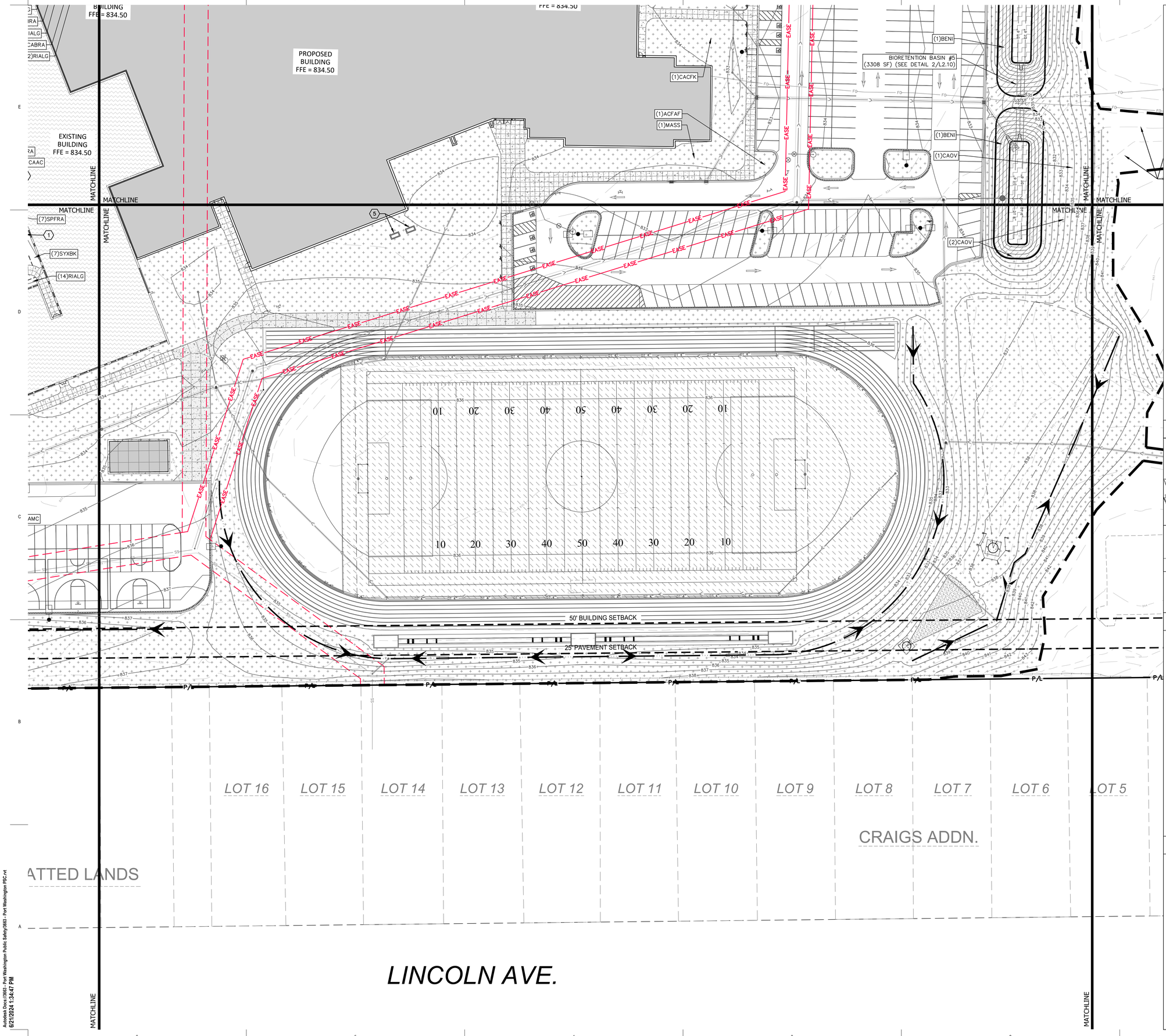


Scale: 0 15 30 60
Scale: 1" = 30'

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## VICINITY MAP




## HATCH LEGEND

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- TEMPORARY TREE PROTECTION FENCE
- AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED WITH MINIMUM 4" TOPSOIL, KENTUCKY BLUE GRASS SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.
- AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED WITH MINIMUM 4" TOPSOIL, NO MOW FESCUE WITH ANNUAL RYE GRASS SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.
- MIX 1; 3" PLUG PLANTINGS IN BIORETENTION AREA. REFER TO CIVIL AND LANDSCAPE DETAILS. PLUGS TO BE PLANTED 12–INCHES O.C. (2 / L2.10)
- NEW SEEDED SPORTS FIELD WITH MINIMUM 4" TOPSOIL, BARENBRUG TURF BLUE PRO SEED (OR APPROVED EQUIVALENT), FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED. TOPSOIL PLACEMENT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND FINE GRADING BY THE LANDSCAPE CONTRACTOR.
- (10)HEPM — PLANT "CODE" REFERENCES TO THE PLANT SCHEDULE
- QUANTITY OF PLANTS IN THE PLANT GROUPING
- LEADER LINE
- PLANT SYMBOL (SYMBOL VARIES)

## KEY INDEX

1. SHREDDED HARDWOOD MULCH (7 / L2.10)
2. ALUMINUM EDGING AT PLANTING BED (8 / L2.10)
3. NEW TRANSPLANTED LOCATION FOR EXISTING TREES THAT WERE PLANTED BY THE GIRL SCOUTS. (CURRENTLY LOCATED BETWEEN THE EXISTING BASEBALL FIELD AND THE MUKWONAGO SCHOOL DISTRICT ADMINISTRATIVE OFFICE BUILDING.)
4. NEW TRANSPLANTED LOCATION FOR EXISTING MEMORIAL TREE AND PLAQUE. (CURRENTLY LOCATED AT THE SOUTHEAST CORNER OF THE MUKWONAGO SCHOOL DISTRICT ADMINISTRATIVE OFFICE PARKING LOT.)
5. 4'x8' RAISED GARDENS – 30" TALL (FOR SPECIAL EDUCATION)
6. UTILITY TRANSFORMER (SEE CIVIL PLANS – PROTECT FROM DAMAGE DURING CONSTRUCTION)
7. PAD MOUNTED CT CABINET WITH METER (SEE CIVIL PLANS – PROTECT FROM DAMAGE DURING CONSTRUCTION)
8. FLAGPOLES (SEE CIVIL PLANS – PROTECT FROM DAMAGE DURING CONSTRUCTION)

BRAY ARCHITECTS

Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St,
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE LANDSCAPE PLAN - AREA E

Sheet Number: L1.15E

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CLARENDON AVENUE
ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL
PITS
PLAY AREA
ASPHALT
PLAY AREA
BASEBALL / SOFTBALL
/ KICKBALL FIELD
PLAY AREA
ASPHALT
PARKING LOT

50' BUILDING SETBACK
25' PAVEMENT SETBACK
P/L
MATCHLINE
MATCHLINE
MATCHLINE
MATCHLINE
MATCHLINE

*REPLAT OF WILSO*
*SUBDIVISI*

*LOT 6* *LOT 5* *LOT 4* *LOT 3* *LOT 2* *LOT 1*

*DIVISION ST.*
*63.2' R/W*

*BLOCK B*
*H.A. YOUMANS ADDN.*

*PART OF LOT 1* *PART OF LOT 1* *PART OF LOT 1*

FND. 1" IP 1.82' WEST

*CLARENDON AVE.*
*66' R/W*

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Scale: 0 15 30 60
Scale: 1" = 30'

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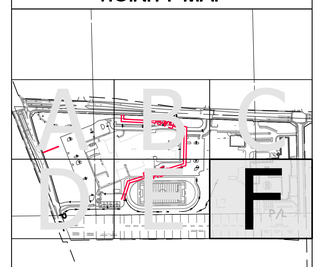
## VICINITY MAP

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Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St,**
**Mukwonago, WI 53149**

REVISIONS:

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***NOT FOR CONSTRUCTION***

Project Number:
**3526**

Issued For:
**PLAN COMMISSION SUBMITTAL**
**4/2/2025**

Sheet Title:
**SITE LANDSCAPE PLAN - AREA F**

Sheet Number:
**L1.16F**

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# Plant Schedule

| Code | Scientific Name | Common Name | Quantity | Spacing | Install Size | Mature Size |
|---|---|---|---|---|---|---|
| | | | | | | (Height/Spread) |
| **Canopy Trees: (Install in accordance with detail 3/L2.10)** | | | | | | |
| ACFAF | Acer x freemanii 'Autumn Fantasy' | Autumn Fantasy Maple | 5 | Per Plan | 2.5" caliper B&B | 50'/40' |
| ACMSS | Acer miyabei 'Morton' | State Street Miyabei Maple | 5 | Per Plan | 2.5" caliper B&B | 50'/40' |
| BENI | Betula nigra | River Birch | 5 | Per Plan | 8' multi-stem B&B | 40'-70'/35'-50' |
| CAOV | Carya ovata | Shagbark Hickory | 5 | Per Plan | 2.5" caliper B&B | 80'/40' |
| GIBAG | Ginko biloba 'Autumn Gold' | Autumn Gold Ginko (male) | 5 | Per Plan | 2.5" caliper B&B | 50'/30' |
| GLTIS | Gleditsia tricanthos 'Shademaster' PP1,515 | Shademaster Honeylocust | 6 | Per Plan | 2.5" caliper B&B | 60'/35' |
| GYDIE | Gymnocladus dioicus 'Espresso' | Espresso Kentucky Coffee Tree | 4 | Per Plan | 2.5" caliper B&B | 50'/35' |
| PLAMC | Platanus x acerfolia 'Morton Circle' | Exclamation London Planetree | 4 | Per Plan | 2.5" caliper B&B | 60'/45' |
| TICOG | Tilia cordata 'Greenspire' PP2,086 | Greenspire Linden | 3 | Per Plan | 2.5" caliper B&B | 40'-50'/30'-35' |
| ULAMP | Ulmus americana 'Princeton' | Princeton Elm | 1 | Per Plan | 2.5" caliper B&B | 60'-80'/40'-60' |
| **Ornamental Trees: (Install in accordance with detail 3/L2.10)** | | | | | | |
| CACFK | Carpinus caroliniana 'JN Select A' PPAF | Fire King Musclewood | 2 | Per Plan | 2" caliper B&B | 20'-25'/20'-25' |
| CECA | Cercis canadensis | Eastern Redbud | 3 | Per Plan | 8' multi-stem B&B | 20'-30'/25'-35' |
| MALM | Magnolia x loebneri 'Leonard Messel' | Leonard Messel Magnolia | 2 | Per Plan | 2" caliper B&B | 15'-20'/20'-25' |
| MASS | Malus x 'Spring Snow' | Spring Snow Crabapple | 2 | Per Plan | 2" caliper B&B | 20-25'/15-20' |
| SYRIS | Syringa reticulata 'Ivory Silk' | Ivory Silk Japanese Tree Lilac | 6 | Per Plan | 2" caliper B&B | 25'/15' |
| **Evergreen Trees: (Install in accordance with detail 4/L2.10)** | | | | | | |
| PIAB | Picea aibes | Norway Spruce | 6 | Per Plan | 6' tall B&B | 50'-70'/25'-30' |
| PIGLD | Picea glauca var. densata | Black Hills Spruce | 5 | Per Plan | 6' tall B&B | 25'-45'/15'-25' |
| **Deciduous Shrubs: (Install in accordance with detail 5/L2.10)** | | | | | | |
| HAVE | Hamamelis vernalis | Vernal Witchhazel | 3 | Per Plan | 30" tall pot | 6'-10'/10'-15' |
| PHOCG | Physocarpus opulifolius 'Center Glow' | Center Glow Ninebark | 6 | Per Plan | 36" tall pot | 8'-10'/8'-10' |
| RHARG | Rhus aromatica 'Gro-Low' | Gro-Low Sumac | 21 | Per Plan | 18" spread pot | 2'-3'/6'-8' |
| RIALG | Ribes alpinum 'Green Mound' | Green Mound Alpine Currant | 38 | Per Plan | 18" tall pot | 3'-5'/3'-5' |
| SPFRA | Spiraea x fritschiana 'JN Select A' | Pink-a-licious Fritsch Spirea | 59 | Per Plan | 18" tall pot | 2'-3'/2'-3' |
| SYMEP | Syringa meyeri 'Palibin' | Meyer Lilac (Dwarf Korean Lilac) | 23 | Per Plan | 24" tall pot | 4'-5'/5'-7' |
| SYXBK | Syringa x 'SMNSDTP' | Baby Kim Lilac | 7 | Per Plan | 15" tall pot | 2'-3'/2.5'-3' |
| **Evergreen Shrubs: (Install in accordance with detail 5/L2.10)** | | | | | | |
| JUCHM | Juniperus chinensis 'Mountbatten' | Mountbatten Chinese Juniper | 12 | Per Plan | 4' tall B&B | 15'/6'-8' |
| **Perennials: (Install in accordance with detail 6/L2.10)** | | | | | | |
| CAAC | Calamagrostis x acutiflora Karl Foerster | Karl Foerster Reed Grass | 44 | Per Plan | #1 cont. | 4'-5'/18"-24" |
| CABRA | Calamagrostis brachytricha | Fall Blooming Feather Reed Grass | 21 | Per Plan | #1 cont. | 36"-60"/24" |
| HOAM | Hosta 'August Moon' | August Moon Hosta | 21 | Per Plan | #1 cont. | 20"/24"-30" |
| HOFII | Hosta x 'Fire and Ice' | Fire and Ice Hosta | 24 | Per Plan | #1 cont. | 12"-18"/24" |
| PANO | Panicum virgatum 'Northwinds' | Northwinds Switch Grass | 28 | Per Plan | #1 cont. | 4'-5'/24"-30" |

NOTE: Plant quantities indicated in the plant schedule are for convenience only. Installation contractor is responsible for verifying plant count on the landscape plan. When discrepancies between the plant schedule, labels and the landscape plan occur, the quantity drawn on the landscape plan shall be the official quantity.

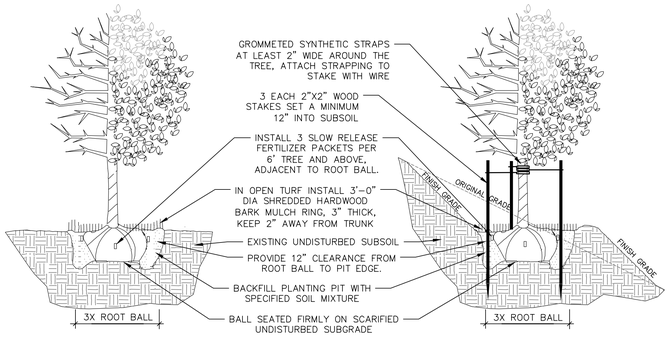
1 / L2.10 PLANT SCHEDULE
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

# Bio-Retention Basin Plant Plug Schedule

| Code | Scientific Name | Common Name | Bio #1 Quantity | Bio #2 Quantity | Bio #3 Quantity | Bio #4 Quantity | Bio #5 Quantity | Soldier Spacing | Install Size | Mature Size |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | (Height/Spread) |
| **Bio-mix: (Space according to detail 9/L2.10)** | | | | | | | | | | |
| BIOMIX 1 | Aster ericoides | Heath Aster | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 18"-24"/12"-18" |
| BIOMIX 1 | Aster novae-angliae | New England Aster | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 48"-60"/18"-24" |
| BIOMIX 1 | Physostegia virginiana | Obedient Plant | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 24"-48"/18"-24" |
| BIOMIX 1 | Verbena hastata | Blue Vervain | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/18"-24" |
| BIOMIX 1 | Liatris spicata | Marsh Blazing Star | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/12"-24" |
| BIOMIX 1 | Monarda fistulosa | Wild Bergamot | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/24"-36" |
| BIOMIX 1 | Rudbeckia hirta | Black-eyed Susan | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/12"-18" |
| BIOMIX 1 | Solidago rugosa 'Fireworks' | Fireworks Goldenrod | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 42"-48"/18"-24" |
| BIOMIX 1 | Tradescanta ohiensis | Spiderwort | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 24"-36"/12"-18" |
| BIOMIX 1 | Ratibida pinnata | Yellow Coneflower | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/12"-18" |
| BIOMIX 1 | Carex bebbi | Bebb's Sedge | 468 | 268 | 597 | 179 | 254 | 12" o.c. | 3" plug | 12"-24"/8"-12" |
| BIOMIX 1 | Bromus ciliatus | Fringed Brome Grass | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 20"-40"/12"-18" |
| BIOMIX 1 | Panicum virgatum | Switch Grass | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 60"-108"/24"-36" |
| BIOMIX 1 | Elymus canadensis | Canada Wild Rye | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 24"-48"/10"-12" |
| BIOMIX 1 | Elymus virginius | Virginia Wild Rye | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 24"-48"/18"-24" |
| BIOMIX 1 | Carex vulpinoidea | Fox Sedge | 468 | 268 | 597 | 179 | 254 | 12" o.c. | 3" plug | 12"-36"/24"-36" |

NOTE: Plant quantities indicated in the plant schedule are for convenience only. Installation contractor is responsible for verifying plant count on the landscape plan. When discrepancies between the plant schedule, labels and the landscape plan occur, the quantity drawn on the landscape plan shall be the official quantity. Native plugs of same species shall be planted in groupings of a minimum 40 plugs.

2 / L2.10 BIORETENTION BASIN PLANT SCHEDULE
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION




3 / L2.10 DECIDUOUS TREE PLANTING, STAKING, & PLANTING ON A SLOPE
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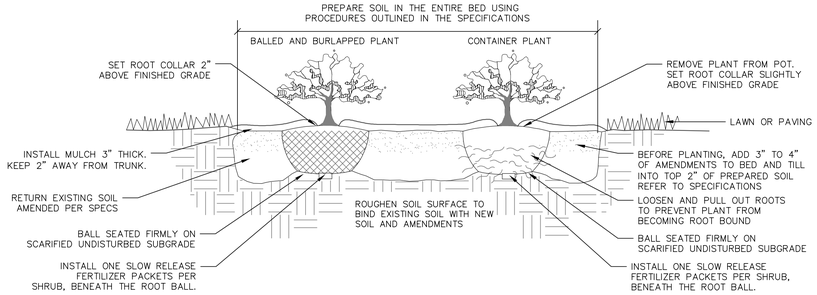


5 / L2.10 DECIDUOUS & EVERGREEN SHRUB PLANTING
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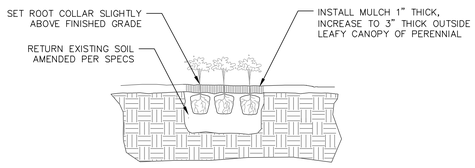
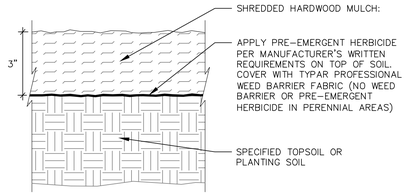



6 / L2.10 PERENNIAL PLANTING
N.T.S.




7 / L2.10 SHREDDED HARDWOOD MULCH SECTION
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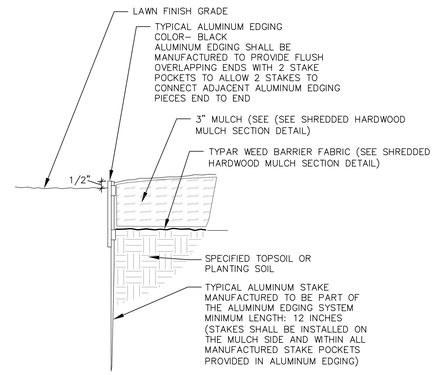


8 / L2.10 ALUMINUM EDGING AT PLANTING BED SECTION
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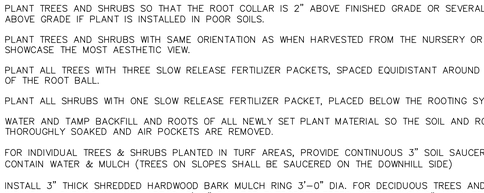


NOTE:
1. X IS EQUAL TO ON CENTER SPACING. SEE LANDSCAPE SCHEDULE FOR SPACING PER PLANT.

9 / L2.10 PERENNIALS AND GROUNDCOVERS SPACING: SOLDIER
N.T.S.

1. ALL PLANT MATERIAL SHALL BE OBTAINED FROM A NURSERY LOCATED IN ZONE 5, CONFORM TO APPLICABLE REQUIREMENTS OF THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AND BOTANICAL NAMES SHALL BE ACCORDING TO THE CURRENT EDITION OF "STANDARDIZED PLANT NAMES" PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURE NOMENCLATURE.
2. CONTRACTOR TO PROVIDE TO THE LANDSCAPE ARCHITECT SAMPLES OF ALL BARK AND MINERAL/STONE MULCHES, DECORATIVE GRAVELS, MAINTENANCE STRIP STONE, OR OTHER GROUND COVER MATERIALS FOR APPROVAL PRIOR TO INSTALLATION.
3. BARK MULCH TO BE FRESHLY ACQUIRED HARDWOOD SHREDDED BARK MULCH WHICH IS DARK BROWN IN COLOR. DOUBLE MILLED, EXCESSIVE DIRT AND DUST LIKE MATERIAL OR OLD MATERIAL IS NOT ACCEPTABLE.
4. LANDSCAPE EDGING TO BE ALUMINUM EDGING. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
5. ALL PLANTING AREAS TO RECEIVE A 3-INCH THICK LAYER OF HARDWOOD SHREDDED BARK MULCH OVER TYPAR PROFESSIONAL WEED FABRIC WITH EDGING. EDGING TO BE INSTALLED BETWEEN DIFFERENT TYPES OF MULCHES, BETWEEN MULCHES AND TURF, AND/OR WHERE SPECIFICALLY NOTED ON THE PLAN. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
6. INSTALL SHOVEL CUT EDGE AROUND ALL INDIVIDUAL TREES AND SHRUBS IN LAWN AREAS AND ALONG PAVEMENT WHERE PLANTING AREAS ABUT TO PREVENT HARDWOOD SHREDDED BARK MULCH FROM SPILLING OUT OF PLANTING AREA.
7. CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF PLANT MATERIAL FOR 90 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SEEDED AREAS FOR 60 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR TO PROVIDE AND REVIEW MAINTENANCE INSTRUCTIONS WITH THE OWNER PRIOR TO THE COMPLETION OF THESE MAINTENANCE PERIODS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
8. CLEANLY PRUNE AND REMOVE DAMAGED BRANCHES, DEAD WOOD, AND ROOTS IMMEDIATELY PRIOR TO PLANTING. DO NOT CUT LEADERS OR LEAVE "V" CROTCHES OR DOUBLE LEADERS UNLESS A MULTI-STEM TREE IS SPECIFIED.
9. REMOVE BURLAP, WIRE BASKET, ROPE, TWINE, AND ALL SYNTHETIC MATERIAL FROM THE ROOTS, TRUNK, OR CROWN OF PLANT.
10. REMOVE EXCESS SOIL ABOVE ROOT COLLAR.
11. PLANT TREES AND SHRUBS SO THAT THE ROOT COLLAR IS 2" ABOVE FINISHED GRADE OR SEVERAL INCHES ABOVE GRADE IF PLANT IS INSTALLED IN POOR SOILS.
12. PLANT TREES AND SHRUBS WITH SAME ORIENTATION AS WHEN HARVESTED FROM THE NURSERY OR TO SHOWCASE THE MOST AESTHETIC VIEW.
13. PLANT ALL TREES WITH THREE SLOW RELEASE FERTILIZER PACKETS, SPACED EQUIDISTANT AROUND THE EDGE OF THE ROOT BALL.
14. PLANT ALL SHRUBS WITH ONE SLOW RELEASE FERTILIZER PACKET, PLACED BELOW THE ROOTING SYSTEM.
15. WATER AND TAMP BACKFILL AND ROOTS OF ALL NEWLY SET PLANT MATERIAL SO THE SOIL AND ROOTS ARE THOROUGHLY SOAKED AND AIR POCKETS ARE REMOVED.
16. FOR INDIVIDUAL TREES & SHRUBS PLANTED IN TURF AREAS, PROVIDE CONTINUOUS 3" SOIL SAUCER TO CONTAIN WATER & MULCH (TREES ON SLOPES SHALL BE SAUCERED ON THE DOWNHILL SIDE)
17. INSTALL 3" THICK SHREDDED HARDWOOD BARK MULCH RING 3'-0" DIA. FOR DECIDUOUS TREES AND ALL INDIVIDUAL SHRUBS IN LAWN AREAS, 5'-0" DIA. FOR EVERGREEN TREES. KEEP MULCH 2" AWAY FROM TRUNKS.
18. STAKING - ONLY STAKE EVERGREEN TREES 5'-0" OR GREATER IN HEIGHT OR TREES THAT ARE UNABLE TO REMAIN UPRIGHT AFTER PLANTING. TREES WILL BECOME STRONGER FASTER WHEN THE TOP 2/3 OF THE TREE IS FREE TO SWAY. DO NOT ATTACH WIRE DIRECTLY TO TREES OR THROUGH HOSES - UTILIZE GROMMETED, SYNTHETIC STRAPS AT LEAST 2" WIDE AROUND THE TREE, ATTACH STRAPPING TO STAKE WITH WIRE. STAKE ONLY WHEN NECESSARY. STAKES SHOULD BE DRIVEN DEEPLY INTO THE GROUND TO PREVENT DISLODGING. CHECK AT LEAST EVERY THREE MONTHS FOR BINDING OR OTHER PROBLEMS. STAKES AND TIES SHOULD BE REMOVED SIX MONTHS TO ONE YEAR AFTER PLANTING.
19. NO MOW TO BE NO MOW FESCUE SEED MIX WITH ANNUAL RYE NURSE CROP FROM PRAIRIE NURSERY, INC. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. PRAIRIE NURSERY ADDRESS: PO BOX 306 WESTFIELD, WI 53964. TELEPHONE: 1-800-476-9453 FAX: 608-296-2741.
20. REFER TO SPECIFICATIONS 32 93 00 PLANTS AND 32 92 00 TURF AND GRASSES FOR ADDITIONAL INFORMATION.

10 / L2.10 LANDSCAPE NOTES
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

BRAY ARCHITECTS
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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| ⚠ | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE LANDSCAPE DETAILS

Sheet Number: L2.10

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# LANDSCAPE CALCULATIONS

## Village of Mukwonago Landscaping Requirements

**Site Zoning = P-1 Zoning (Public and Semipublic District)**
**Total car parking spaces = 453 car parking spaces**
**Total bus parking spaces = 21 bus parking spaces**
**Total parking spaces = 453 car + 21 bus = 474 parking spaces**
**Total parking lot interior landscape island area from landscape islands that are at least 720 sf in size = 14,406 square feet**

### Landscape requirements

| | Required | Provided |
|---|---|---|
| **Off-street Parking Area Landscape Requirements** | | |
| A minimum of 15 square feet of interior landscape islands that are at least 720 square feet in size each shall be provided per parking stall. | 474 parking spaces x 15 sf = 7110 sf of interior landscape space is required | 14,406 sf of parking lot interior landscape that are 720 sf or larger is provided |
| The interior landscaping shall be placed so as to delineate driving lanes, define rows, protect parking lot light poles and generally mitigate the visual impact of the parking lot. | Interior landscaping shall be placed to delineate driving lanes, define rows, protect parking lot light poles and generally mitigate the visual impact of the parking lot. | The interior landscaping is placed so as to delineate driving lanes, define rows, protect parking lot light poles and generally mitigate the visual impact of the parking lot. |
| The interior landscaping shall be composed of a combination of hardy trees, shrubs, perennials, and groundcover that are able to tolerate winter salt and snow, and are underlain by a layer of decorative mulch and weed barrier where applicable. | Interior landscape islands shall be planted with a combination of hardy trees, shrubs, perennials, and groundcover that are able to tolerate salt and snow. | Interior landscape islands are planted with trees in some islands and lawn groundcover in all islands. |
| Interior landscaping shall not exceed 30 inches in height at maturity when located within an identified vision triangle. | Interior landscaping shall not exceed 30 inches in height at maturity when located within vision triangles. | Interior landscaping does not exceed 30 inches in height at maturity when located within vision triangles. |
| Trees shall be planted in such a way that they are protected from vehicle damage. | Trees shall be planted in such a way that they are protected from vehicle damage. | Trees are planted in such a way that they are protected from vehicle damage with curb and gutter. |
| Sufficient diversity of tree species shall be provided so as to help prevent the spread of detrimental insect infestation and disease. | Diversity of tree species is required. | Diversity of tree species is provided. |
| Parking lot screening. Parking lots shall be screeded fram adjacent residential properties by a perimeter landscape screen to be located within 15 feet of the edge of pavement. The plants selected for use in the landscape screen shall be suited for such palntings and be arranged in such manner as to provide an effectie visual barrier. | Parking lot screening from residential properties required. | Parking lot screening of evergreen and deciduous trees is provided south of the parking lots in the southwest corner of the site. Some plantings are greater than 15 feet from the edge of parking lot pavement since there is ample greenspace between the parking lot and residential lots for the trees. |
| **P-1 Public and Semipublic District Landscaping Standards** | | |
| No minimum landscape requirements within P-1 zoning district | N/A | N/A |

1 / L2.11 LANDSCAPE CALCULATIONS
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

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L2.11

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## GENERAL NOTES

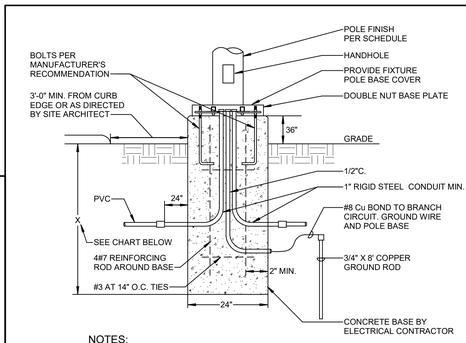
1. UNLESS SHOWN OTHERWISE, ALL WIRING SHOWN IS (2)#10 AND #10 GROUND IN 1" PVC.
2. INSTALL PULL CORD IN ALL EMPTY CONDUITS.
3. PROVIDE CONCRETE BASE ROUGH-IN FIXTURES PER DETAIL (2 / E1.0).
4. UNLESS SHOWN OTHERWISE, ALL CONDUITS BURIED 2'-6" BELOW FINISHED GRADE.
5. PROVIDE SITE LIGHTING CONTROL PANEL PER DETAIL (4 / E6.0).
6. BRING SITE EXCAVATION AND TOPPING BACK TO ORIGINAL CONDITION IF TRENCHING IS DONE ON COMPACTED SURFACES.
7. ALL CONDUITS STUBBED OUT OF BUILDINGS SHALL BE DONE PER DETAIL (3 / E6.0).

## PLAN NOTES

| | |
|---|---|
| 103 | CONTROL THROUGH BAS SYSTEM. ROUTE THROUGH RELAY PER DETAIL 1/E6.3 |
| 153 | PROVIDE CONCRETE BOLLARD BASE FOR LIGHTING BOLLARD PER DETAIL 3/E1.0 |
| 154 | PRIVODE 36" CONCRETE POLE BASE PER DETAIL 2/E1.0 |
| 156 | PROVIDE ELECTRICAL CONNECTION TO DIGITAL SIGN. CONFIRM LOCATION AND REQUIREMENTS WITH OWNER. |
| 158 | TYPICAL LIGHT DISTRIBUTION OF 0.5 FOOT CANDLES. TYPICAL FOR ALL LIGHT FIXTURES OF THIS TYPE. |
| 187 | PROVIDE QUAZITE BOX FOR FLAG POLE LIGHTING CONNECTION. PROVIDE CONNECTION TO 120V INTERNALLY LIT FLAG POLE BEACON (FBO). PROVIDE ALL NECESSARY FIELD CONNECTION FROM FLAG POLE WHIP TO J-BOX. |
| 271 | WIRE HAS BEEN UPSIZED FOR VOLTAGE DROP. |




3 / E1.0 BOLLARD MOUNTED FIXTURE BASE DETAIL
SCALE: NTS

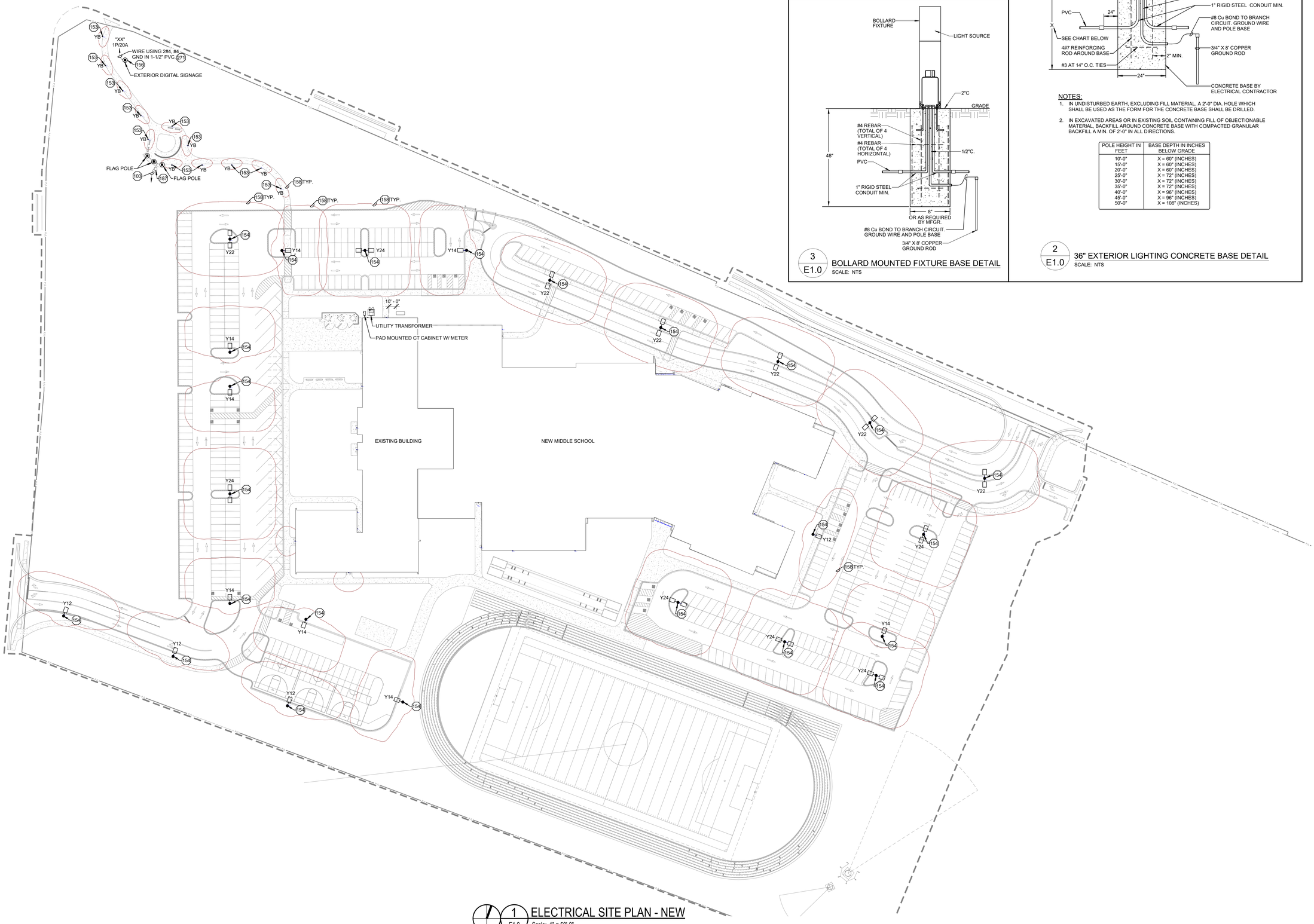



NOTES:

1. IN UNDISTURBED EARTH, EXCLUDING FILL MATERIAL, A 2'-0" DIA. HOLE WHICH SHALL BE USED AS THE FORM FOR THE CONCRETE BASE SHALL BE DRILLED.
2. IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OF OBJECTIONABLE MATERIAL, BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL A MIN. OF 2'-0" IN ALL DIRECTIONS.

| POLE HEIGHT IN FEET | BASE DEPTH IN INCHES BELOW GRADE |
|---|---|
| 10'-0" | X = 60" (INCHES) |
| 15'-0" | X = 60" (INCHES) |
| 20'-0" | X = 60" (INCHES) |
| 25'-0" | X = 72" (INCHES) |
| 30'-0" | X = 72" (INCHES) |
| 35'-0" | X = 72" (INCHES) |
| 40'-0" | X = 96" (INCHES) |
| 45'-0" | X = 96" (INCHES) |
| 50'-0" | X = 108" (INCHES) |

2 / E1.0 36" EXTERIOR LIGHTING CONCRETE BASE DETAIL
SCALE: NTS




1 / E1.0 ELECTRICAL SITE PLAN - NEW
Scale: 1" = 50'-0"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Project Title:
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REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

***NOT FOR CONSTRUCTION***

Project Number:
**3526**

Issued For:

Sheet Title:
**SITE PLAN**

Sheet Number:
**E1.0**

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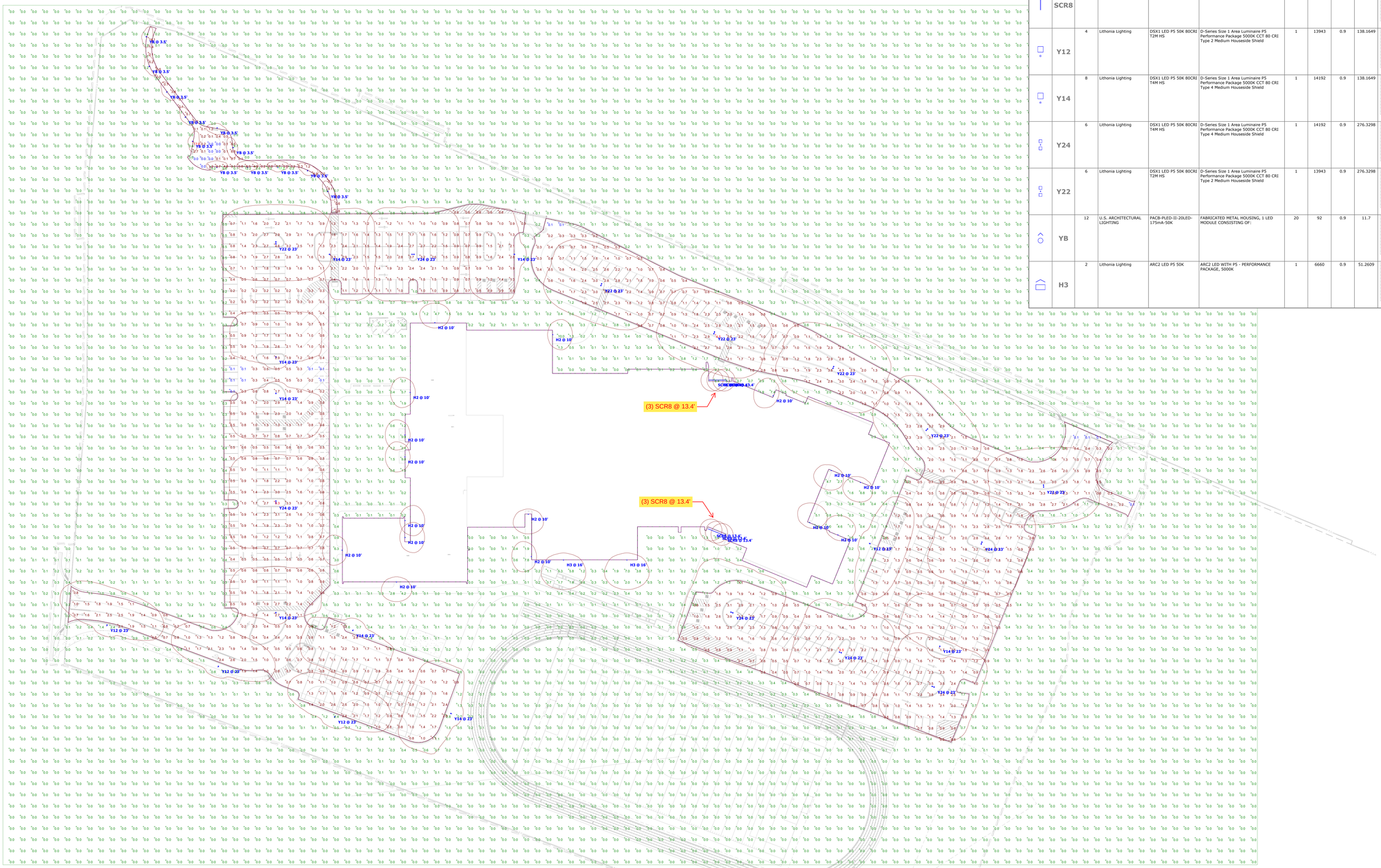
3/27/2025 12:32:06 PM

## Statistics

| Description | Symbol | Avg | Max | Min | Max/Min | Avg/Min |
|---|---|---|---|---|---|---|
| SITE EXTENTS | + | 0.1 fc | 17.2 fc | 0.0 fc | N/A | N/A |
| EAST PARKING LOT | + | 1.4 fc | 4.5 fc | 0.1 fc | 45.0:1 | 14.0:1 |
| NORTH SIDEWALK | + | 2.3 fc | 17.0 fc | 0.0 fc | N/A | N/A |
| WEST PARKING LOT | + | 1.2 fc | 5.3 fc | 0.1 fc | 53.0:1 | 12.0:1 |

**Schedule**

| Symbol | Label | Quantity | Manufacturer | Catalog Number | Description | Number Lamps | Lumens Per Lamp | Light Loss Factor | Wattage | Plot |
|---|---|---|---|---|---|---|---|---|---|---|
| | H2 | 16 | Lithonia Lighting | ARC2 LED P3 50K | ARC2 LED WITH P3 - PERFORMANCE PACKAGE, 5000K | 1 | 3410 | 0.9 | 23.7345 | Max: 2794cd |
| | SCR8 | 6 | Focal Point LLC | FSM11x-FL-375LF-35K-1C-UNV-Lxx(0xxx/-xxxx1-Cxx-WH-4FT | White formed aluminum housing, frosted plastic lens | 1 | 1516 | 0.9 | 14.62 | Max: 591cd |
| | Y12 | 4 | Lithonia Lighting | DSX1 LED P5 50K 80CRI T2M HS | D-Series Size 1 Area Luminaire P5 Performance Package 5000K CCT 80 CRI Type 2 Medium Houseside Shield | 1 | 13943 | 0.9 | 138.1649 | Max: 12277cd |
| | Y14 | 8 | Lithonia Lighting | DSX1 LED P5 50K 80CRI T4M HS | D-Series Size 1 Area Luminaire P5 Performance Package 5000K CCT 80 CRI Type 4 Medium Houseside Shield | 1 | 14192 | 0.9 | 138.1649 | Max: 12043cd |
| | Y24 | 6 | Lithonia Lighting | DSX1 LED P5 50K 80CRI T4M HS | D-Series Size 1 Area Luminaire P5 Performance Package 5000K CCT 80 CRI Type 4 Medium Houseside Shield | 1 | 14192 | 0.9 | 276.3298 | Max: 12043cd |
| | Y22 | 6 | Lithonia Lighting | DSX1 LED P5 50K 80CRI T2M HS | D-Series Size 1 Area Luminaire P5 Performance Package 5000K CCT 80 CRI Type 2 Medium Houseside Shield | 1 | 13943 | 0.9 | 276.3298 | Max: 12277cd |
| | YB | 12 | U.S. ARCHITECTURAL LIGHTING | PACB-PLED-II-20LED-175mA-50K | FABRICATED METAL HOUSING, 1 LED MODULE CONSISTING OF: | 20 | 92 | 0.9 | 11.7 | Max: 1716cd |
| | H3 | 2 | Lithonia Lighting | ARC2 LED P5 50K | ARC2 LED WITH P5 - PERFORMANCE PACKAGE, 5000K | 1 | 6660 | 0.9 | 51.2609 | Max: 5457cd |




**Plan View - ELECTRICAL SITE PLAN - PHOTOMETRICS**
Scale: 1" = 50'

ENGINEERING DESIGN BY MSA
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MUKWONAGO PARK VIEW MS
930 N ROCHESTER ST, MUKWONAGO, WI 53149
OVERALL SITE PLAN - PHOTOMETRICS

Designer: ABG
Date: 03/28/2025
Scale: 1" = 50'-0"
Drawing No.: ELP001
Summary

1 of 1

372

# ARC2 LED

## Architectural Wall Luminaire

Catalog Number

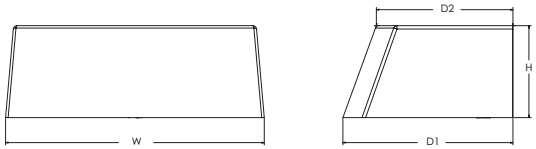
Notes

Type H2, H3

*Hit the Tab key or mouse over the page to see all interactive elements.*

## Specifications

**Depth (D1):** 9.25"
**Depth (D2):** 7.5"
**Height:** 5"
**Width:** 14"
**Weight:** (without options) 11 lbs




## Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC2 delivers up to 6,500 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. It offers integrated emergency battery backup options, including an 8W cold temperature option, making it suitable for pedestrian scale applications in any environment.

## ARC LED Family Overview

| Luminaire | Standard EM, 0°C | Cold EM, -20°C | Approximate Lumens (4000K) | | | | |
|---|---|---|---|---|---|---|---|
| | | | P1 | P2 | P3 | P4 | P5 |
| ARC1 LED | 4W | -- | 1,500 | 2,000 | 3,000 | -- | -- |
| ARC2 LED | 4W | 8W | 1,500 | 2,000 | 3,000 | 4,000 | 6,500 |

## Ordering Information

**EXAMPLE:** ARC2 LED P2 40K MVOLT PE DDBXD

| Series | Package | Color Temperature | Voltage | Options | Finish |
|---|---|---|---|---|---|
| ARC2 LED | P1 1,500 Lumens | 30K 3000K | MVOLT | E4WH Emergency battery backup, CEC compliant (4W, 0°C min) [1] | DDBXD Dark bronze |
| | P2 2,000 Lumens | 40K 4000K | 347 [1] | E8WC Emergency battery backup, CEC compliant (8W, -20°C min) [1] | DBLXD Black |
| H2 | P3 3,000 Lumens | 50K 5000K | | PE Button type photocell for dusk-to-dawn operation | DNAXD Natural aluminum |
| | P4 4,000 Lumens | | | DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) [2] | DWHXD White |
| H3 | P5 6,500 Lumens | | | SPD6KV 6kV surge protection [1] | DSSXD Sandstone |
| | | | | FAO Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% [2] | DDBTXD Textured dark bronze |
| | | | | | DBLBXD Textured black |
| | | | | | DNATXD Textured natural aluminum |
| | | | | | DWHGXD Textured white |
| | | | | | DSSTXD Textured sandstone |

### Accessories

*Ordered and shipped separately.*

WSBBW DDBXD U Surface - mounted back box (specify finish)

NOTES

1 347V not available with E4WH, E8WC and SPD6KV.
2 FAO not available with DMG.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# 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 | 30K (3000K, 80 CRI) | | | | | 40K (4000K, 80 CRI) | | | | | 50K (5000K, 80 CRI) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G |
| P1 | 11W | 1,502 | 142 | 0 | 0 | 1 | 1,587 | 150 | 0 | 0 | 1 | 1,598 | 151 | 0 | 0 | 1 |
| P2 | 16W | 2,250 | 140 | 0 | 0 | 1 | 2,377 | 147 | 0 | 0 | 1 | 2,393 | 148 | 0 | 0 | 1 |
| P3 | 24W | 3,206 | 135 | 0 | 0 | 1 | 3,387 | 143 | 0 | 0 | 1 | 3,410 | 144 | 0 | 0 | 1 |
| P4 | 30W | 3,903 | 128 | 1 | 0 | 1 | 4,124 | 136 | 1 | 0 | 1 | 4,152 | 136 | 1 | 0 | 1 |
| P5 | 51W | 6,260 | 122 | 1 | 0 | 1 | 6,615 | 129 | 1 | 0 | 1 | 6,659 | 130 | 1 | 0 | 1 |

## Electrical Load

| Performance Package | System Watts | Current (A) | | | | |
|---|---|---|---|---|---|---|
| | | 120V | 208V | 240V | 277V | 347V |
| P1 | 11W | 0.090 | 0.055 | 0.049 | 0.046 | 0.045 |
| P2 | 16W | 0.141 | 0.081 | 0.072 | 0.064 | 0.059 |
| P3 | 24W | 0.202 | 0.117 | 0.103 | 0.091 | 0.079 |
| P4 | 30W | 0.280 | 0.162 | 0.144 | 0.128 | 0.095 |
| P5 | 51W | 0.471 | 0.272 | 0.239 | 0.212 | 0.158 |

## Lumen Output in Emergency Mode (4000K, 80 CRI)

| Option | Lumens |
|---|---|
| E4WH | 693 |
| E8WC | 1,413 |

## Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

| Ambient | | Lumen Multiplier |
|---|---|---|
| 0°C | 32°F | 1.04 |
| 10°C | 50°F | 1.03 |
| 20°C | 68°F | 1.01 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 0.99 |
| 40°C | 104°F | 0.97 |

## Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 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 | 0 | 25,000 | 50,000 | 100,000 |
|---|---|---|---|---|
| Lumen Maintenance Factor | 1.0 | >0.96 | >0.93 | >0.88 |

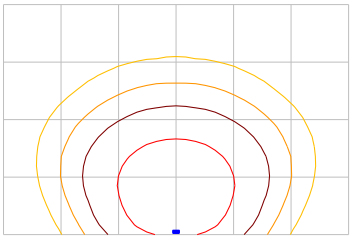
# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting ARC LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 15ft
Grid = 15ft x 15ft



ARC2 LED P3 40K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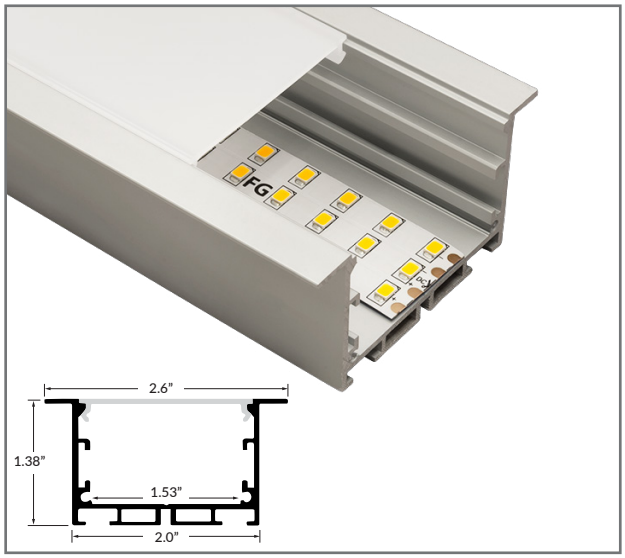
LLI ARCHITECTURAL LIGHTING

PROJECT
SKU
QUANTITY DATE

Type: SCR8

# ICON 2 FLANGED EXTRUSION + LED TAPELIGHT




5 YEAR LIMITED WARRANTY

DIMMABLE

ASSEMBLED IN THE USA

## SPECIFICATIONS

| | |
|---|---|
| FINISH | Silver Anodized |
| LENS | Frosted |
| WATTAGE | 7.9W/ft to 15.2W/ft |
| IP RATING | IP20 dry, IP65 wet, IP68 wet |
| CCT / COLOR | 2200K - 5200K; RGB; RGBW; |
| BEAM SPREAD | 104° typical with Frosted lens |
| INPUT VOLTAGE | 24VDC |
| LENGTH | Made to order. Actual lengths vary by LED tapelight cutpoints. |
| OUTPUT | 326 to 520 lm/ft |
| LEDS | Single binned LEDs +/- 30-70 CCT, MacAdam 3 SDCM |
| MATERIAL | Extrusion - Anodized aluminum; Lens - Polycarbonate |
| MOUNTING | Mounting clips recommended |
| POWER SUPPLY | Requires a 24V power supply – see page 5 |
| WARRANTY | IP20 - 5 year limited, IP65/68 - 3 year limited |

## FEATURES & RECOMMENDED APPLICATIONS

Modular, recessable extrusion with a frosted lens that provides a wide, dot-free line of light. Corners available for making turns in a variety of applications, such as general lighting, accents, displays, shelving, and signage.

PRODUCT: LLI-IC2F-SF-DH8.8W-30K-24V-96IN

# ICON 2 FLANGED EXTRUSION + LED TAPELIGHT

## ORDERING GUIDE

← PRODUCT CODE

| PROFILE | 1a. FINISH | 1b. LENS | 2. LED | 3. IP RATING | 4. CCT / COLOR | INPUT | 5. LENGTH |
|---|---|---|---|---|---|---|---|
| LLI-IC2F | S | F | D8.8W | 65 | 30K | 24V | 48IN |
| | FINISH<br>Silver | LENS<br>Frosted | WATTS/FT<br>7.9-15.2 W/ft | IP RATING<br>[blank] - IP20<br>65 - IP65<br>68 - IP68 | WHITE<br>22K-52K<br><br>COLOR<br>RGB<br>RGBW | | Enter desired length in inches. Nominal length only. Actual lengths vary by LED cutpoint. |

OPTIONAL →

| 6. MOUNTING | POWER FEED 7. LEAD LENGTH | 8. LEAD TYPE | 9. FEED TYPE |
|---|---|---|---|
| [blank] | [blank] | | |
| [blank] - Ships standard with standard clips. Refer to section 6 on the next page if you require alternate mounting. | [blank] - Ships standard with 48" soldered end power feed. Refer to section 7 on the next page for an alternate power feed configuration. | | |

Example part number: **LLI-IC2F-SF-D8.8W-65-35K-24V-48IN**

*More LED tapelight and color options available upon request. Visit www.llialighting.com or contact us for details.*

## *1. FINISH & LENS*

| 1a. FINISH | |
|---|---|
| S | Silver Anodized finish |

| 1b. LENS | |
|---|---|
| F | Frosted lens |

## *2-4. LED TAPELIGHT OPTIONS*

| 2. LED CODE | 3. IP RATING | 4. CCT / COLOR |
|---|---|---|
| D8.8W | [blank] | 30K |
| | For IP20, leave [blank]. | |

TECHNICAL DATA

| | | | | WATTAGE | TAPELIGHT | DELIVERED LM/FT @ 30K^ | FROSTED LENS APPEARANCE** | CRI | MAX. RUN | CUT POINTS* |
|---|---|---|---|---|---|---|---|---|---|---|
| | **D8.8W** (White) | **20 / 65 / 68** | **22K / 27K / 30K / 35K / 42K / 52K** | 8.8 W/ft | (2) L4.4W | **326 lm/ft** | UNIFORM | 90+ | 32 ft | 2" |
| | **H7.9W** (White) | **20 / 65** | **22K / 27K / 30K / 35K / 42K / 52K** | 7.9 W/ft | (1) LHE7.9W | **470 lm/ft** | UNIFORM | 90+ | 32 ft | 3.3" |
| ★ | **DH8.8W** (White) | **20 / 65 / 68** | **22K / 27K / 30K / 35K / 42K / 52K** | 8.8 W/ft | (2) LHE4.4W | **520 lm/ft** | UNIFORM | 90+ | 32 ft | 2" |
| | **DC8.8W** (Static Color) | **20 / 65 / 68** | **RED / AMB / GRN / BLU** | 8.8 W/ft | (2) LC4.4W | **N/A** | UNIFORM | – | 32 ft | 2" |
| ★ | **DCC11.8W** (RGB) | **20 / 65** | **RGB** | 11.8 W/ft | (2) LCC5.9W | **576 lm/ft** | UNIFORM | – | 32 ft | 2.8" |
| ★ | **DCW15.2W** (RGBW) | **20 / 65 / 68** | **R30** (RGB + 30K) **/ R60** | 15.2 W/ft | (2) LCCW5.8W | **521 lm/ft** | UNIFORM | 80+ | 32 ft | 3.9" |

★ *Recommended options.*
** *Diode visibility data tested at 100% output. Diodes may become more visible as tapelight dims.*
^ *Lumen data based on frosted lens, IP20 tapelight, 30K white output, or combined output for tunable white, warm fade, RGB, and RGB(W) tapelights.*

SEMI-UNIFORM (for reference)
UNIFORM

## *5. LENGTH*

| 5. LENGTH |
|---|
| 96 IN |
| Enter desired length in inches. Nominal length only. Actual lengths vary by LED cutpoint. |

Overall Extrusion+LED tapelight length will be rounded up or down based on nearest LED tapelight cut point.

# D-Series Size 1
## LED Area Luminaire

Catalog Number

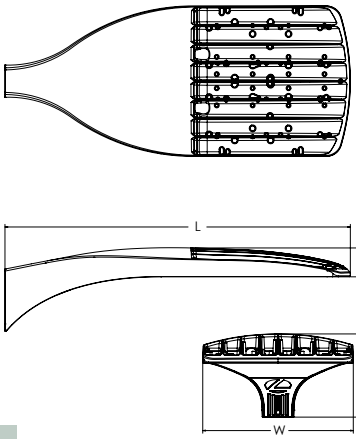
Notes

Type Y12, Y14, Y22, Y24

Hit the Tab key or mouse over the page to see all interactive elements.

## Specifications

| | |
|---|---|
| **EPA:** | 0.69 ft² (0.06 m²) |
| **Length:** | 32.71" (83.1 cm) |
| **Width:** | 14.26" (36.2 cm) |
| **Height H1:** | 7.88" (20.0 cm) |
| **Height H2:** | 2.73" (6.9 cm) |
| **Weight:** | 34 lbs (15.4 kg) |




Design Select options indicated by this color background.

## Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

design select

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:** DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

**DSX1 LED**

| Series | LEDs | Color temperature[2] | Color Rendering Index[2] | Distribution | Voltage | Mounting |
|---|---|---|---|---|---|---|
| DSX1 LED | **Forward optics** | (this section 70CRI only) | | AFR Automotive front row | MVOLT (120V-277V)[4] | **Shipped included** |
| Y12 Y22 | P1 P6 | 30K 3000K | 70CRI | T1S Type I short | HVOLT (347V-480V)[5,6] | SPA Square pole mounting (#8 drilling) |
| | P2 P7 | 40K 4000K | 70CRI | T2M Type II medium | XVOLT (277V - 480V)[7,8] | RPA Round pole mounting (#8 drilling) |
| | P3 P8 | 50K 5000K | 70CRI | T3M Type III medium | 120[16,26] | SPA5 Square pole mounting #5 drilling[9] |
| | P4 P9 | (this section 80CRI only, extended lead times apply) | | T3LG Type III low glare[3] | 208[16,26] | RPA5 Round pole mounting #5 drilling[9] |
| Y14 Y24 | P5 | 27K 2700K | 80CRI | T4M Type IV medium | 240[16,26] | SPA8N Square narrow pole mounting #8 drilling |
| | **Rotated optics** | 30K 3000K | 80CRI | T4LG Type IV low glare[3] | 277[16,26] | WBA Wall bracket[10] |
| | P10[1] P12[1] | 35K 3500K | 80CRI | TFTM Forward throw medium | 347[16,26] | MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon) |
| | P11[1] P13[1] | 40K 4000K | 80CRI | T5M Type V medium | 480[16,26] | |
| | | 50K 5000K | 80CRI | T5LG Type V low glare | | |
| | | | | T5W Type V wide | | |
| | | | | BLC3 Type III backlight control[3] | | |
| | | | | BLC4 Type IV backlight control[3] | | |
| | | | | LCCO Left corner cutoff[3] | | |
| | | | | RCCO Right corner cutoff[3] | | |

### Control options

**Shipped installed**

| | |
|---|---|
| NLTAIR2 PIRHN | nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[11,12,20,21] |
| PIR | High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc[13,20,21] |
| PER | NEMA twist-lock receptacle only (controls ordered separate)[14] |
| PER5 | Five-pin receptacle only (controls ordered separate)[14,21] |
| PER7 | Seven-pin receptacle only (controls ordered separate)[14,21] |
| FAO | Field adjustable output[15,21] |
| BL30 | Bi-level switched dimming, 30%[16,21] |
| BL50 | Bi-level switched dimming, 50%[16,21] |
| DMG | 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17] |
| DS | Dual switching[18,19,21] |

### Other options

**Shipped installed**

| | |
|---|---|
| SPD20KV | 20KV surge protection |
| HS | Houseside shield (black finish standard)[22] |
| L90 | Left rotated optics[1] |
| R90 | Right rotated optics[1] |
| CCE | Coastal Construction[23] |
| HA | 50°C ambient operation[24] |
| BAA | Buy America(n) Act and/or Build America Buy America Qualified |
| SF | Single fuse (120, 277, 347V)[26] |
| DF | Double fuse (208, 240, 480V)[26] |

**Shipped separately**

| | |
|---|---|
| EGSR | External Glare Shield (reversible, field install required, matches housing finish) |
| BSDB | Bird Spikes (field install required) |

### Finish *(required)*

| | |
|---|---|
| DDBXD | Dark Bronze |
| DBLXD | Black |
| DNAXD | Natural Aluminum |
| DWHXD | White |
| DDBTXD | Textured dark bronze |
| DBLBXD | Textured black |
| DNATXD | Textured natural aluminum |
| DWHGXD | Textured white |

Finish selected by architect



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## Ordering Information

### Accessories

*Ordered and shipped separately.*

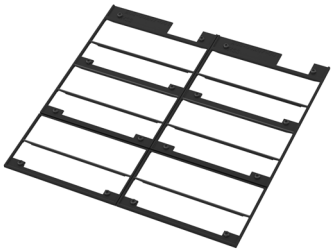
| | |
|---|---|
| DLL127F 1.5 JU | Photocell - SSL twist-lock (120-277V) [25] |
| DLL347F 1.5 CUL JU | Photocell - SSL twist-lock (347V) [25] |
| DLL480F 1.5 CUL JU | Photocell - SSL twist-lock (480V) [25] |
| DSHORT SBK | Shorting cap [25] |
| DSX1HS P# | House-side shield (enter package number 1-13 in place of #) |
| DSXRPA (FINISH) | Round pole adapter (#8 drilling, specify finish) |
| DSXSPA5 (FINISH) | Square pole adapter #5 drilling (specify finish) |
| DSXRPA5 (FINISH) | Round pole adapter #5 drilling (specify finish) |
| DSX1EGSR (FINISH) | External glare shield (specify finish) |
| DSX1BSDB (FINISH) | Bird spike deterrent bracket (specify finish) |

**NOTES**

1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1 or P10. XVOLT not available with fusing (SF or DF).
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this link
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
13 PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
14 PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120 or 277V.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
18 DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
19 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
20 Reference Motion Sensor Default Settings table on page 4 to see functionality.
21 Reference Controls Options table on page 4.
22 HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
23 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
24 Option HA not available with performance packages P4, P5, P7, P8, P9 and P13.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
26 Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

## Shield Accessories

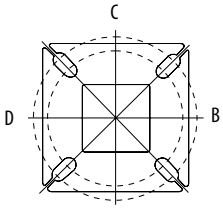
External Glare Shield (EGSR)

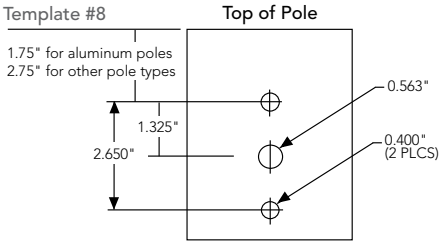


House Side Shield (HS)

## Drilling

### HANDHOLE ORIENTATION




### Tenon Mounting Slipfitter

| Tenon O.D. | Mounting | Single Unit | 2 @ 180 | 2 @ 90 | 3 @ 90 | 3 @120 | 4 @ 90 |
|---|---|---|---|---|---|---|---|
| 2-3/8" | RPA | AS3-5 190 | AS3-5 280 | AS3-5 290 | AS3-5 390 | AS3-5 320 | AS3-5 490 |
| 2-7/8" | RPA | AST25-190 | AST25-280 | AST25-290 | AST25-390 | AST25-320 | AST25-490 |
| 4" | | AST35-190 | AST35-280 | AST35-290 | AST35-390 | AST35-320 | AST35-490 |

Y12 Y14 Y22 Y24

| Mounting Option | Drilling Template | Single | 2 @ 180 | 2 @ 90 | 3 @ 90 | 3 @ 120 | 4 @ 90 |
|---|---|---|---|---|---|---|---|
| Head Location | | Side B | Side B & D | Side B & C | Side B, C & D | Round Pole Only | Side A, B, C & D |
| Drill Nomenclature | #8 | DM19AS | DM28AS | DM29AS | DM39AS | DM32AS | DM49AS |
| | | | Minimum Acceptable Outside Pole Dimension | | | | |
| SPA | #8 | 3.5" | 3.5" | 3.5" | 3.5" | | 3.5" |
| RPA | #8 | 3" | 3" | 3" | 3" | 3" | 3" |
| SPA5 | #5 | 3" | 3" | 3" | 3" | | 3" |
| RPA5 | #5 | 3" | 3" | 3" | 3" | 3" | 3" |
| SPA8N | #8 | 3" | 3" | 3" | 3" | | 3" |

### DSX1 Area 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 DM19 | 2 @ 180 DM28 | 2 @ 90 DM29 | 3 @ 90 DM39 | 3 @ 120 DM32 | 4 @ 90 DM49 |
|---|---|---|---|---|---|---|
| Mounting Type | | | | | | |
| DSX1 with SPA | 0.69 | 1.38 | 1.23 | 1.54 | --- | 1.58 |
| DSX1 with SPA5, SPA8N | 0.70 | 1.40 | 1.30 | 1.66 | --- | 1.68 |
| DSX1 with RPA, RPA5 | 0.70 | 1.40 | 1.30 | 1.66 | 1.60 | 1.68 |
| DSX1 with MA | 0.83 | 1.66 | 1.50 | 2.09 | 2.09 | 2.09 |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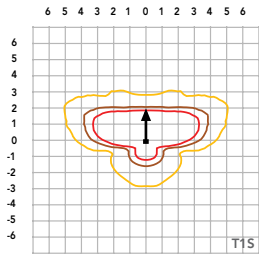
## Photometric Diagrams

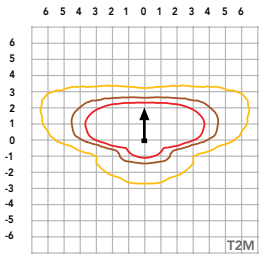
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

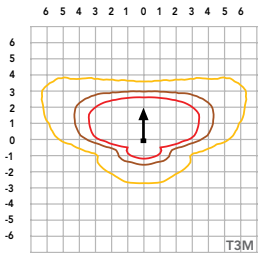
Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

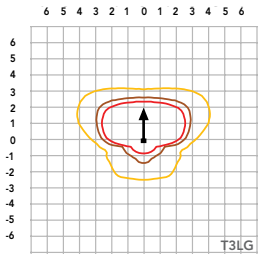
LEGEND

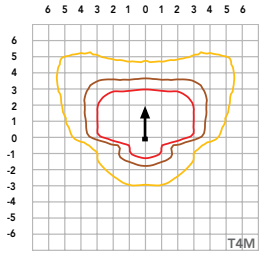
- 0.1 fc
- 0.5 fc
- 1.0 fc

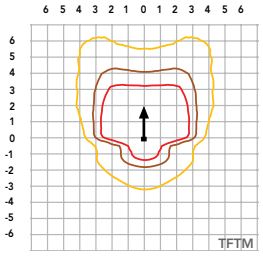


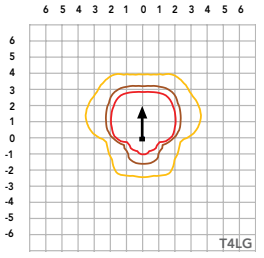



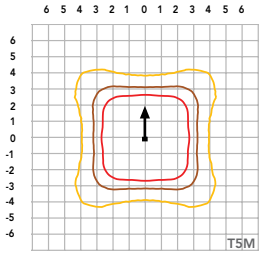



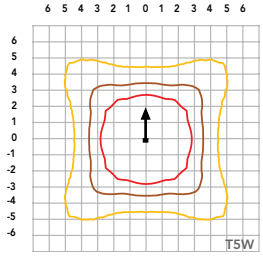



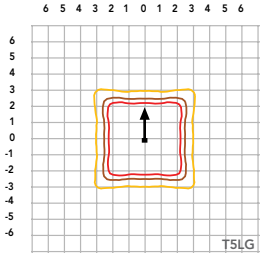



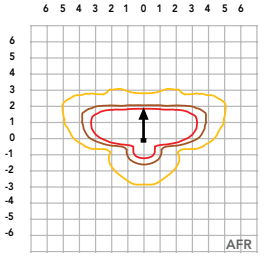



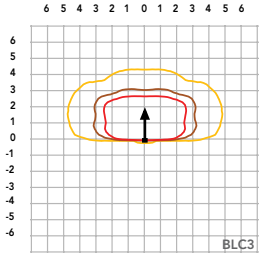



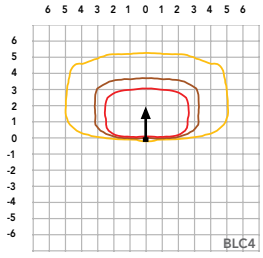



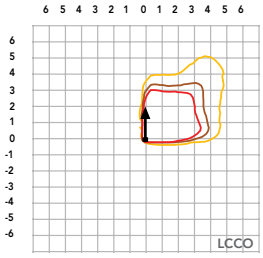



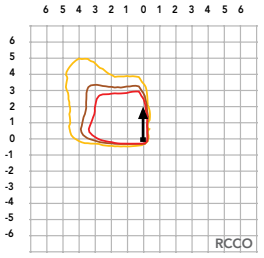





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Type: YB

SOLID STATE LIGHTING

# Pacifica® - BOLLARD

CONTEMPORARY ROUND FORM BOLLARD

PROJECT NAME:

PROJECT TYPE:

**PACB**

## Optical Housing
Contemporary, double strut post-top style bollard. All housing components are heavy wall, low copper aluminum alloy (A356 alloy, <0.2% copper). Removable internal heatsink provides direct mounting of the LED modules and thermal control for long life and efficiency. Bollard Top is removable for LED Module access. Bollard head is removable for electrical and driver access. All hardware is stainless steel.

## Shaft & Base
Bollard Shaft is heavy wall extruded 6063-T6 aluminum alloy. Base is heavy cast aluminum. All hardware is stainless steel and tamper resistant. Standard shaft height provides a 42.5" overall height, consult factory for custom heights.

## Anchor Bolts
Four 3/8" x 10" x 2" galvanized anchor bolts with couplings, leveling nuts, washers, template, and stainless bolts.

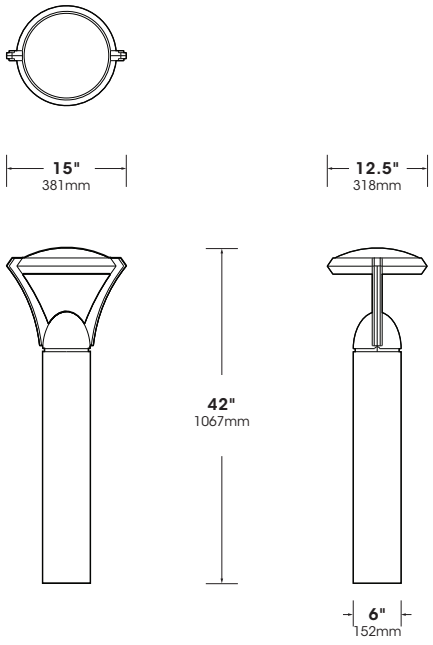
## PLED™ Optics
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side, maximizing usable light. Optional house side shields are available that cover each individual optic. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments. Quick-disconnects are provided above each panel for fast field replacement. All fixture optical options will provide a "U0" no uplight optical package and is are dark sky friendly.

## LED Emitters
LED thermal management is designed to maintain LED operating temperature below 90 °C, well below the manufacturers thermal max of 150 °C for long life, high lumen maintenance and color stability. High Power White LED's are driven between 350mA and 875mA for a maximum output of 2.5 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K), or Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of L93 at 100,000 hours (TM-21 calculated at 6x Test Time).

**True Amber LED's** TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.

## LED Driver
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50/60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with a separate 20KV surge protector for field installation.

## Finish
Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.




U.L. Listed for Wet Location

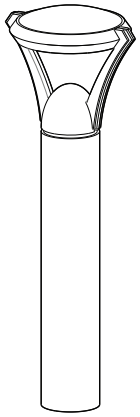
BABA COMPLIANT

2023087

# PACB SERIES - PLED

## PRODUCT CONFIGURATIONS

### EPA & WEIGHT



**PACB**
Max Weight = 22 lbs
20 LED

### PLED™ MODULE

20 LED Module

## ORDERING INFORMATION

Spec/Order Example: PACB/PLED-IV/20LED-350mA/347/Rust/DF+V

| Luminaire | Optics | LED Mode | Voltage | Finish | Options |
|---|---|---|---|---|---|

### Luminaire

☐ **PACB**

### Optics

PLED™ Distribution Type

- ☐ **PLED-II**
- ☐ **PLED-II-FR**
- ☐ **PLED-III**
- ☐ **PLED-III-W**
- ☐ **PLED-IV**
- ☐ **PLED-IV-FT**
- ☐ **PLED-V-SQ-N**
- ☐ **PLED-V-SQ-M**
- ☐ **PLED-V-SQ-W**

### LED

**# of LEDs**
- ☐ **20LED**

**Drive Current**
- ☐ **175mA**
- ☐ **350mA**

**Color Temp - CCT**
- ☐ **27K** (2700K)
- ☐ **30K** (3000K)
- ☐ **40K** (4000K)
- ☐ **50K** (5000K)
- ☐ **TRA** True Amber

**NOTES:**
1 - Consult factory for other CCT, CRI, & Drive Current options

### Voltage

- ☐ **UNV** (120-277)
- ☐ **347**
- ☐ **480**

### Finish

Standard Textured Finish

- ☐ Black **RAL-9005-T**
- ☐ White **RAL-9003-T**
- ☐ Grey **RAL-7004-T**
- ☐ Dark Bronze **RAL-8019-T**
- ☐ Green **RAL-6005-T**

Premium Finishes

- ☐ Rust
- ☐ Patina Copper **PC**

For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)

Consult factor for custom colors

### Options

- ☐ Clear Acrylic Lens **CA**
- ☐ Internal House Side Shield incl. LED Count (Example: HS-PLED/48) **HS-PLED**
- ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) **HLSW**
- ☐ Photo Cell + Voltage (Example: PC120V) **PC+V**
- ☐ Single Fuse (Example: SF277V) **SF+V**
- ☐ Double Fuse (Example: DF240V) **DF+V**

LITHONIA LIGHTING®

## FEATURES & SPECIFICATIONS

**INTENDED USE — These specifications are for USA standards only. Check with factory for Canadian specifications.** 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, .1196"), or 50 KSI (7-gauge, .1793"). 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:** A flush non-metalic black top cap is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with PT option.

**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.

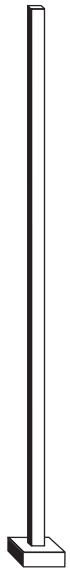
**HARDWARE** – All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

**FINISH** – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

**WARRANTY** — 1-year limited warranty. 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.
Specifications subject to change without notice.

| | |
|---|---|
| Catalog Number | |
| Notes | See Plans for Fixture Mounting |
| Type | Yxx, see plans for types |



**Anchor Base Poles**

# SSS

**SQUARE STRAIGHT STEEL**

See footnotes next page.

# **SSS** Square Straight Steel Poles

Finish selected by client

**ORDERING INFORMATION** Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** SSS 20 5C DM19 DDB

| SSS | | | | | | |
|---|---|---|---|---|---|---|
| **Series** | **Nominal fixture mounting height** | **Nominal shaft base size/wall thickness[1]** | **Mounting[2]** | | **Options** | **Finish[10]** |
| SSS | 10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.)<br><br>See technical information table for complete ordering information.)<br><br>20ft | 4C 4" 11g (.1196")<br>4G 4" 7g (.1793")<br>5C 5" 11g (.1196")<br>5G 5" 7g (.1793")<br>6G 6" 7g (.1793")<br><br>See technical information table for complete ordering information.) | Tenon mounting<br>PT Open top (includes top cap)<br>T20 2-3/8" O.D. (2" NPS)<br>T25 2-7/8" O.D. (2-1/2" NPS)<br>T30 3-1/2" O.D. (3" NPS)<br>T35 4" O.D. (3-1/2" NPS)<br>KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3]<br>DM19 1 at 90°<br>DM28 2 at 180°<br>DM28 PL 2 at 180° with one side plugged<br>DM29 2 at 90°<br>DM39 3 at 90°<br>DM49 4 at 90°<br>CSX/DSX/AERIS™/OMERO™/HLA/KAX Drill mounting[3]<br>DM19AS 1 at 90°<br>DM28AS 2 at 180°<br>DM29AS 2 at 90°<br>DM39AS 3 at 90°<br>DM49AS 4 at 90° | AERIS™ Suspend drill mounting[3,4]<br>DM19AST_ 1 at 90°<br>DM28AST_ 2 at 180°<br>DM29AST_ 2 at 90°<br>DM39AST_ 3 at 90°<br>DM49AST_ 4 at 90°<br>OMERO™ Suspend drill mounting[3,4]<br>DM19MRT_ 1 at 90°<br>DM28MRT_ 2 at 180°<br>DM29MRT_ 2 at 90°<br>DM39MRT_ 3 at 90°<br>DM49MRT_ 4 at 90° | Shipped installed<br>L/AB Less anchor bolts (Include when anchor bolts are not needed)<br>VD Vibration damper<br>TP Tamper resistant handhole cover fasteners<br>HAxy Horizontal arm bracket (1 fixture)[5,6]<br>FDLxy Festoon outlet less electrical[5]<br>CPL12/xy 1/2" coupling[5]<br>CPL34/xy 3/4" coupling[5]<br>CPL1/xy 1" coupling[5]<br>NPL12/xy 1/2" threaded nipple[5]<br>NPL34/xy 3/4" threaded nipple[5]<br>NPL1/xy 1" threaded nipple[5]<br>EHHxy Extra handhole[5,7]<br>MAEX Match existing[8]<br>USPOM United States point of manufacture[9]<br>IC Interior coating[10]<br>UL UL listed with label (Includes NEC compliant cover)<br>NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled)<br>Shipped separately (replacement kit available)<br>(blank) FBC Full base cover (plastic)<br>(blank) TC Top cap<br>(blank) HHC Handhole cover | Standard colors<br>DDBXD Dark bronze<br>DWHXD White<br>DBLXD Black<br>DMBXD Medium bronze<br>DNAXD Natural aluminum<br>Classic colors<br>DSS Sandstone<br>DGC Charcoal gray<br>DTG Tennis green<br>DBR Bright red<br>DSB Steel blue<br>Architectural Colors and Special Finishes[11]<br>Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available. |

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST**2**.
5. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or 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*
6. 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 HAxyy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.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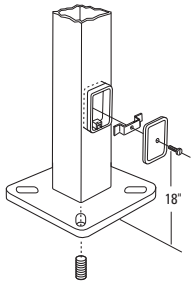
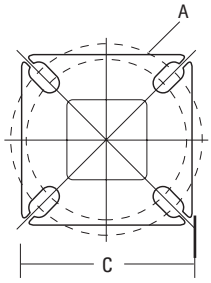
| TECHNICAL INFORMATION — EPA (ft2) with 1.3 gust | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Catalog Number | Nominal Shaft Length (ft.)* | Pole Shaft Size (Base in. x Top in. x ft.) | Wall thick (in) | Gauge | EPA ($ft^2$) with 1.3 gust | | | | | | Bolt circle (in) | Bolt size (in. x in. x in.) | 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 | 0.1196 | 11 | 30.6 | 765 | 23.8 | 595 | 18.9 | 473 | 8--9 | 3/4 x 18 x 3 | 75 |
| SSS 12 4C | 12 | 4.0 x 12.0 | 0.1196 | 11 | 24.4 | 610 | 18.8 | 470 | 14.8 | 370 | 8--9 | 3/4 x 18 x 3 | 90 |
| SSS 14 4C | 14 | 4.0 x 14.0 | 0.1196 | 11 | 19.9 | 498 | 15.1 | 378 | 11.7 | 293 | 8--9 | 3/4 x 18 x 3 | 100 |
| SSS 16 4C | 16 | 4.0 x 16.0 | 0.1196 | 11 | 15.9 | 398 | 11.8 | 295 | 8.9 | 223 | 8--9 | 3/4 x 18 x 3 | 115 |
| SSS 18 4C | 18 | 4.0 x 18.0 | 0.1196 | 11 | 12.6 | 315 | 9.2 | 230 | 6.7 | 168 | 8--9 | 3/4 x 18 x 3 | 125 |
| SSS 20 4C | 20 | 4.0 x 20.0 | 0.1196 | 11 | 9.6 | 240 | 6.7 | 167 | 4.5 | 150 | 8--9 | 3/4 x 18 x 3 | 140 |
| SSS 20 4G | 20 | 4.0 x 20.0 | 0.1793 | 7 | 14 | 350 | 11 | 275 | 8 | 200 | 8--9 | 3/4 x 30 x 3 | 198 |
| SSS 20 5C | 20 | 5.0 x 20.0 | 0.1196 | 11 | 17.7 | 443 | 12.7 | 343 | 9.4 | 235 | 10--12 | 1 x 36 x 4 | 185 |
| SSS 20 5G | 20 | 5.0 x 20.0 | 0.1793 | 7 | 28.1 | 703 | 21.4 | 535 | 16.2 | 405 | 10--12 | 1 x 36 x 4 | 265 |
| SSS 25 4C | 25 | 4.0 x 25.0 | 0.1196 | 11 | 4.8 | 150 | 2.6 | 100 | 1 | 50 | 8--9 | 3/4 x 18 x 3 | 170 |
| SSS 25 4G | 25 | 4.0 x 25.0 | 0.1793 | 7 | 10.8 | 270 | 7.7 | 188 | 5.4 | 135 | 8--9 | 3/4 x 30 x 3 | 245 |
| SSS 25 5C | 25 | 5.0 x 25.0 | 0.1196 | 11 | 9.8 | 245 | 6.3 | 157 | 3.7 | 150 | 10--12 | 1 x 36 x 4 | 225 |
| SSS 25 5G | 25 | 5.0 x 25.0 | 0.1793 | 7 | 18.5 | 463 | 13.3 | 333 | 9.5 | 238 | 10--12 | 1 x 36 x 4 | 360 |
| SSS 30 4G | 30 | 4.0 x 30.0 | 0.1793 | 7 | 6.7 | 168 | 4.4 | 110 | 2.6 | 65 | 8--9 | 3/4 x 30 x 3 | 295 |
| SSS 30 5C | 30 | 5.0 x 30.0 | 0.1196 | 11 | 4.7 | 150 | 2 | 50 | -- | -- | 10--12 | 1 x 36 x 4 | 265 |
| SSS 30 5G | 30 | 5.0 x 30.0 | 0.1793 | 7 | 10.7 | 267 | 6.7 | 167 | 3.9 | 100 | 10--12 | 1 x 36 x 4 | 380 |
| SSS 30 6G | 30 | 6.0 x 30.0 | 0.1793 | 7 | 19 | 475 | 13.2 | 330 | 9 | 225 | 11--13 | 1 x 36 x 4 | 520 |
| SSS 35 5G | 35 | 5.0 x 35.0 | 0.1793 | 7 | 5.9 | 150 | 2.5 | 100 | -- | -- | 10--12 | 1 x 36 x 4 | 440 |
| SSS 35 6G | 35 | 6.0 x 35.0 | 0.1793 | 7 | 12.4 | 310 | 7.6 | 190 | 4.2 | 105 | 11--13 | 1 x 36 x 4 | 540 |
| SSS 39 6G | 39 | 6.0 x 39.0 | 0.1793 | 7 | 7.2 | 180 | 3 | 75 | -- | -- | 11--13 | 1 x 36 x 4 | 605 |

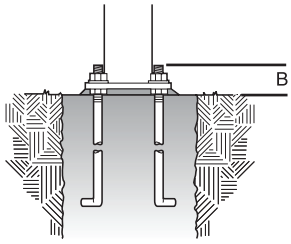
* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

## BASE DETAIL

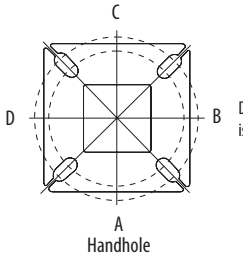



| POLE DATA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Shaft base size | Bolt circle A | Bolt projection B | Base diameter C | Base plate thickness | Template description | Anchor bolt description | Anchor bolt and template number | Anchor bolt description |
| 4"C | 8" – 9" | 3.25"- 3.75" | 8"- 8.25" | 0.75" | ABTEMPLATE PJ50004 | AB18-0 | ABSSS-4C | 3/4"x18"x3" |
| 4"G | 8" – 9" | 3.38"- 3.75" | 8"- 8.25" | 0.875" | ABTEMPLATE PJ50004 | AB30-0 | ABSSS-4G | 3/4"x30"x3" |
| 5" | 10" – 12" | 3.5"- 4" | 11" | 1" | ABTEMPLATE PJ50010 | AB36-0 | ABSSS-5 | 1"x36"x4" |
| 6" | 11" – 13" | 4"- 4.50" | 12.5" | 1" | ABTEMPLATE PJ50011 | AB36-0 | N/A | 1"x36"x4" |




### HANDHOLE ORIENTATION




Default DM19 is on side B.

**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.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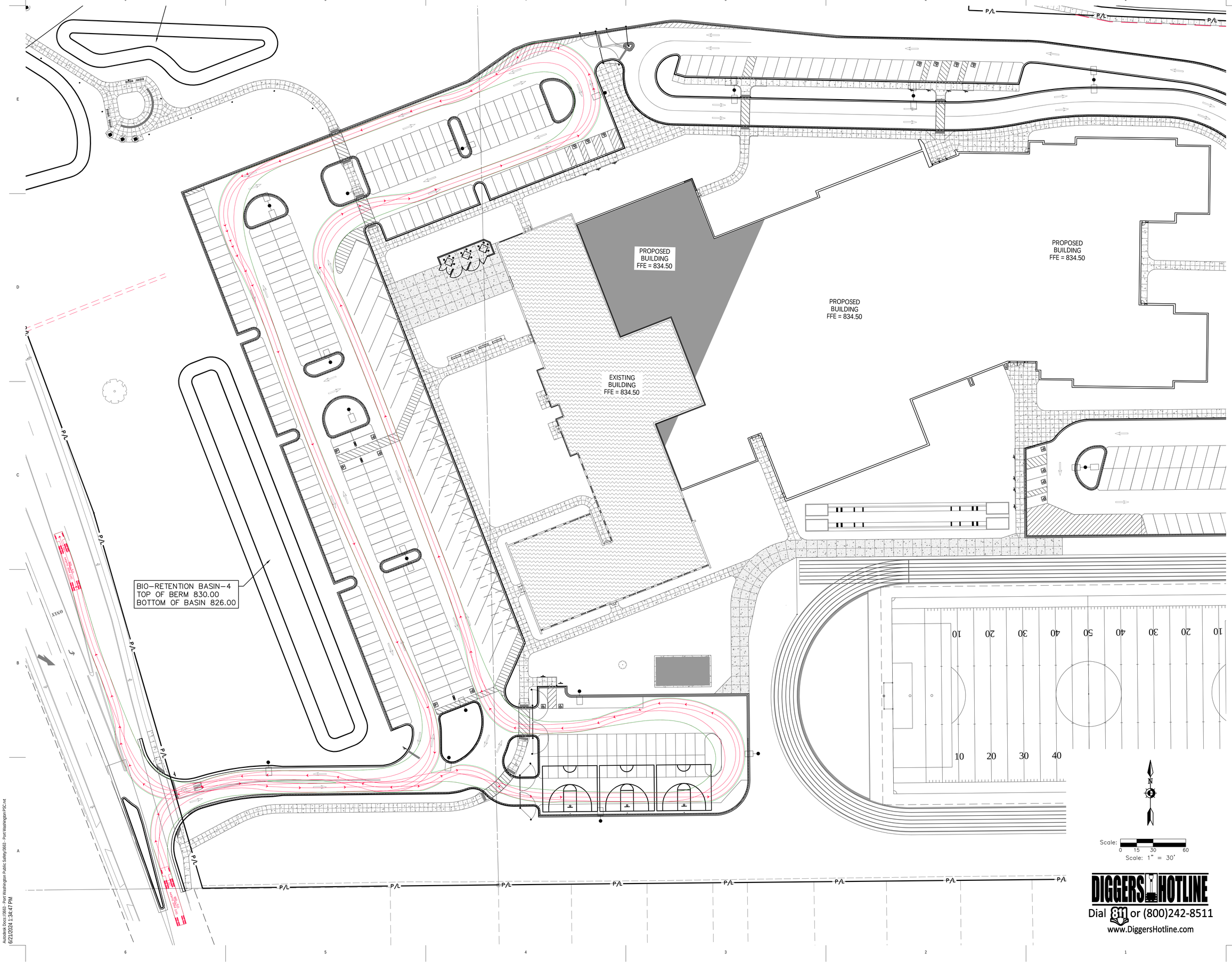


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Milwaukee, Wisconsin 53204
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kapur

Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St,
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

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3526

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4/2/2025

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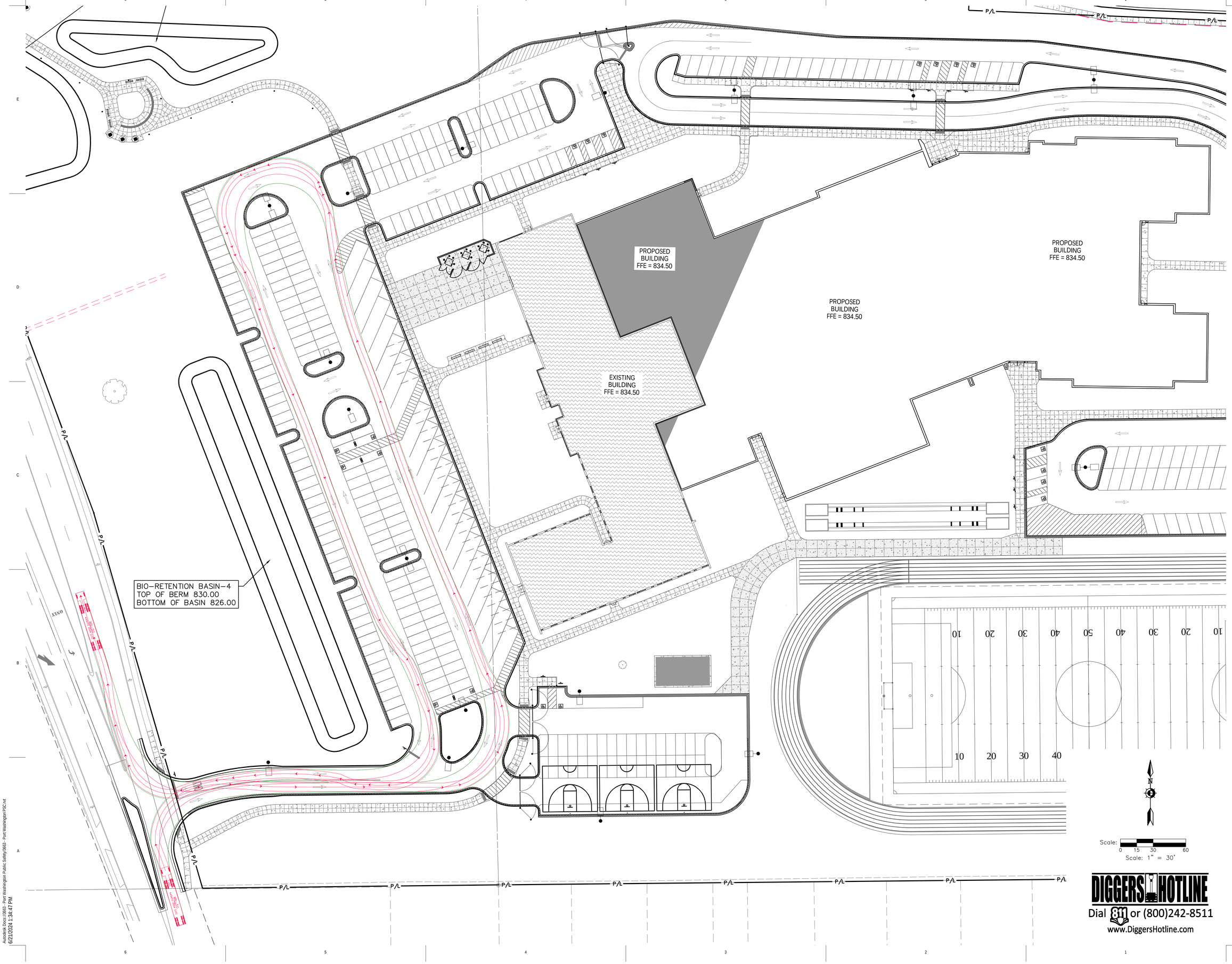


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TOP OF BERM 831.00
BOTTOM OF BASIN 827.00

P/L

ASPHALT
PARKING LOT

ONLY

MUKWONAG
SCHOOL DI
385 E. VETERA
MUKWONAGO

PROPOSED
BUILDING
FFE = 834.50

PROPOSED
BUILDING
FFE = 834.50

PROPOSED
BUILDING
FFE = 834.50

EXISTING
BUILDING
FFE = 834.50

BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

GAGA BALL

PITS

10 20 30 40 50 40 30 20 10

Scale: 0 15 30 60
Scale: 1" = 30'

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TOP OF BERM 831.00
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P/L

ONLY

ASPHALT
PARKING LOT

MUKWONAG
SCHOOL DI
385 E. VETERA
MUKWONAGO

PROPOSED
BUILDING
FFE = 834.50

PROPOSED
BUILDING
FFE = 834.50

PROPOSED
BUILDING
FFE = 834.50

EXISTING
BUILDING
FFE = 834.50

BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

GAGA BALL

PITS

10 20 30 40 50 40 30 20 10

10 20 30 40 50 40 30 20 10

N

Scale: 0 15 30 60
Scale: 1" = 30'

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# PRELIMINARY STORM WATER MANAGEMENT PLAN
# MUKWONAGO PARKVIEW MIDDLE SCHOOL

Prepared For:

Mukwonago Area School District

385 E. Veterans Way

Mukwonago, WI 53149

Prepared By:

Kapur & Associates, Inc.

788 N. Jefferson Street, Ste 900

Milwaukee, WI 53202

APRIL 2025

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Appendix F Civil Engineering Plan Set
Appendix G Stormwater Maintenance Agreement
Appendix H Pick ‘N Save Pond Retrofit Storm Water Management Plan

## 1.0 Project Contacts

**Owner:** Andy Wenger – Operations Manager
Mukwonago Area School District
385 E Veterans Way
Mukwonago, WI 53149
Phone: (262) 363-6300

**Engineer:** Kapur & Associates, Inc.
Michael J. Froehlich, PE
788 N Jefferson Street, Ste 900.
Milwaukee, WI 53202
Phone: (414) 751-7200
Email: mfroehlich@kapurinc.com

**Construction Manager:** Jasun Berka – Superintendent
JP Cullen
104 E Pleasant Street
Milwaukee, WI 53212
Phone: (414) 988-0088

## 2.0 Project Location and Description

The project site is located at 385 E. Veterans Way, Mukwonago, WI 53149. The parcel is part of the southeast 1/4 of section 23, township 5 north, range 18 east, in the Village (formerly in the Town) of Mukwonago, county of Waukesha, state of Wisconsin.

The parcel area of the site is approximately 36.88 acres (1,606,414 sq.ft.). The existing project is a developed school site consisting of buildings, drive lanes, parking lots, athletic fields, and landscaped areas. The proposed project would disturb approximately 27.55 acres (1,200,154 sq. ft.).

The proposed project improvements include the construction of a new middle school building, mass grading, asphalt parking lots, asphalt drive lanes, concrete walkways, utility improvements, and the construction of onsite stormwater management basin in the form of bioretention basins.

The Park View Middle School site drains to an existing regional pond called the "Pick 'N Save Pond" that was recently retrofitted in 2019. The proposed stormwater BMPs as part of the current project will ensure that peak flows to the regional pond are no greater than the existing conditions. Refer to Appendix G for a copy of the Pick 'N Save Pond Retrofit SWMP Report.

## 3.0 Soil Information

A geotechnical exploration of the site is scheduled to occur in Spring 2025. Once the inspection is done and the geotechnical report has been compiled, it will be provided with this SWMP report and attached as an Appendix.

The USDA soil types located on this site are shown on the Hydrologic Soil Group (HSG) Map in Appendix A. The HSG Map states that the soils can be described as Sandy and Gravelly Land characterized as hydrologic soil classification group "D". However, the Pick 'N Save Pond Retrofit project SWMP completed in April of 2019 modeled the existing Park View Middle School site as HSG "B". Therefore, this report also models the middle school site as HSG "B" so that peak flows may be

compared between the two reports. The results of the geotechnical investigation may warrant future adjustment to the soil groups modeled on site. Refer to Appendix G for a copy of Pick 'N Save Pond Retrofit SWMP Report.

The site is expected to be suitable for infiltration. Until the geothecncial investigation and infiltration tests are performed, a conservative infiltration rate of 0.5 in/hr was assumed in the bioretention basins.

## 4.0 Hydrology

Hydrologic conditions were modeled using HydroCAD, which is based on TR-55 methodology. Four storm events were analyzed based on the 1-year, 2-year, 10-year, and 100-year recurrence intervals with rainfall amounts of 2.40, 2.70, 3.81, and 6.18 inches per 24 hours, respectively. Rainfall amounts for the selected 24-hour storm events were based on the rainfall values contained the Village of Mukwonago Municipal Code Ch. 34-111(a)(2).

Existing and proposed watershed locations and characteristics are provided in Figures SWMP-2 through SWMP-5 in Appendix E. The SWMP limits include all locations of land disturbance and any offsite drainage to the proposed wet pond. The SWMP limits were then divided into sub-watersheds based on the areas of captured and uncaptured runoff. Weighted Runoff Curve Numbers (CN) for all existing and proposed watersheds were computed dependent upon the area, soil type, and ground cover. The time of concentration ($T_c$) for each watershed was determined by selecting the longest runoff flow path (with regards to time, not necessarily distance) within the watershed basin to the point of interest. The $T_c$ values were calculated based on a combination of sheet flow, shallow concentrated flow, and pipe flow with a 6-minute minimum Tc set as the default.

## 5.0 Storm Water Performance Standards

The post-construction storm water management plan shall comply with Village of Mukwonago Municipal Code Chapter 34, Article II, Division 4, Stormwater Management and Erosion Control, and the DNR requirements of Chapter 151.21 through NR 151.128. The most stringent requirement for each performance standard is listed below.

**Peak Discharge Control:**
Per Village of Mukwonago Code of Ordinance Ch. 34-110(d)(1): the 100-yr, 10-yr, 2-yr, and 1-yr post-development peak discharge rates shall be equal to or less than the 10-yr, 2-yr, 2-yr, and 1-yr pre-development peak discharge rates, respectively.

**Water Quality/TSS Removal:**
Per Village of Mukwonago Code of Ordinance Ch. 34-110(d)(2): By design, each stormwater management plan shall meet the following post-development total suspended solids reduction targets, based on average annual rainfalls, as compared to runoff management controls. For new land development and in-fill development, 80% reduction in total suspended solids load; For redevelopment, 40% reduction of total suspended solids load from parking areas and roads.

The proposed project is a mix of new development and redevelopment areas, therefore, a weighted average shall be used to determine the percentage reduction in total suspended solids required.

**Infiltration:**
Per Village of Mukwonago Code of Ordinance Ch. 34-110(d)(3): BMPs shall be designed, installed, and maintained to infiltrate runoff in accordance with the performance standards in Table 1. Per Table 1, for a site with medium imperviousness, the post-development infiltration volume shall be at least 75% of the pre-development infiltration volume.

## 6.0 Pre-Development Site Conditions

The area enclosed by the SWMP limits totals 25.90 acres (1,128,169 sq. ft.). The pre-developed conditions within the SWMP limits consist of developed area consisting of buildings, drive lanes, parking lots, concrete sidewalk areas, and landscaped areas. Refer to Figures SWMP-2 and SWMP-4 in Appendix E for additional information. Figure SWMP-2 shows the pre-developed site conditions and Figure SWMP-4 provides information on the pre-developed drainage conditions for the storm water management area.

Refer to Table 1 for a summary of the pre-developed site conditions for the project area. Refer to Appendix B for the pre-developed HydroCAD report.

**Table 1 – Pre-Developed Watershed Data Summary**

| | | |
|---|---|---|
| **Project Name:** Mukwonago Parkview Middle School | **Parcel Size:** 36.88 acres | **Project Type:** Redevelopment |
| **Number of Runoff Discharge Points:** 1 | **Watershed (Ultimate Discharge):** Mukwonago River | |
| **Project Watershed Area (including off-site runoff traveling through project area):** 25.90 acres | | |
| **Public Land Survey Location:** Part of the SE ¼ of Section 23, Township 5 North, Range 18 East, Village (formerly in the Town) of Mukwonago, County of Waukesha, State of Wisconsin. | | |

| **Summary Data Elements** | E1<br>Existing Site |
|---|---|
| **Watershed Area**<br>*(see SWMP-2 in Appendix E)* | 25.90 acres |
| **Land Uses**<br>**(Acres of Each)** | 3.61 Roof<br>3.60 Pavement<br>1.16 Sidewalk<br>17.53 Pervious |
| **Weighted Runoff Curve Numbers** | 73 |
| **Time of Concentration (Tc)**<br>*(see SWMP-4 in Appendix E)* | 37.3 minutes |
| **1-year/24-hour Peak Flow**<br>*(See Appendix B)* | 8.84 cfs |
| **2-year/24-hour Peak Flow**<br>*(See Appendix B)* | 12.26 cfs |
| **10-year/24-hour Peak Flow**<br>*(See Appendix B)* | 27.33 cfs |
| **100-year/24-hour Peak Flow**<br>*(see Appendix B)* | 65.86 cfs |

## 7.0 Post-Development Site Conditions

As previously discussed, the area enclosed by the SWMP limits totals 25.90 acres (1,128,169 sq. ft.). The post-developed site includes the construction of buildings, parking lots, drive lanes, sidewalks, utility improvements, and various landscaping. Refer to Figures SWMP-3, and SWMP-5 in Appendix E for additional information. The proposed site development will result in an increase in impervious area of approximately 3.49-acres.

Refer to Table 2 for a summary of the post-development conditions of the watershed for the project area. Refer to Appendix C for the post-development HydroCAD report.

**Table 2 – Post-Developed Watershed Data Summary**

| | | | | | |
|---|---|---|---|---|---|
| **Project Name:** Mukwonago Parkview Middle School | | **Parcel Size:** 36.88 acres | | **Project Type:** Redevelopment | |
| **Number of Runoff Discharge Points:** 1 | | | **Watershed (Ultimate Discharge):** Mukwonago River | | |
| **Project Watershed Area (including off-site runoff traveling through project area):** 25.90 acres | | | | | |
| **Public Land Survey Location:** Part of the SE ¼ of Section 23, Township 5 North, Range 18 East, Village (formerly in the Town) of Mukwonago, County of Waukesha, State of Wisconsin. | | | | | |
| **Summary Data Elements** | P1<br>Proposed to Bio-1 | P2<br>Proposed to Bio-2 | P3<br>Proposed to Bio-3 | P4<br>Proposed to Bio-4 | P5<br>Proposed Uncaptured |
| **Watershed Area** *(see SWMP-5 in Appendix E)* | 3.68 acres | 2.43 acres | 7.64 acres | 9.43 acres | 2.72 acres |
| **Land Uses (Acres of Each)** | 1.76 Pavement<br>0.22 Sidewalk<br>1.70 Pervious | 1.03 Roof<br>0.68 Pavement<br>0.12 Sidewalk<br>0.60 Pervious | 2.58 Roof<br>1.56 Pavement<br>0.36 Sidewalk<br>3.14 Pervious | 2.12 Pavement<br>1.39 Sidewalk<br>5.92 Pervious | 0.02 Pavement<br>0.02 Sidewalk<br>2.68 Pervious |
| **Weighted Runoff Curve Numbers** | 81 | 89 | 83 | 75 | 62 |
| **Time of Concentration (Tc)** *(see SWMP-5 in Appendix E)* | 14.3 minutes | 6.0 minutes | 10.1 minutes | 14.6 minutes | 15.1 minutes |
| **1-year/24-hour Peak Flow** *(See Appendix B)* | 4.11 cfs | 5.91 cfs | 11.30 cfs | 6.62 cfs | 0.29 cfs |
| **2-year/24-hour Peak Flow** *(See Appendix C)* | 5.18 cfs | 7.01 cfs | 13.98 cfs | 8.91 cfs | 0.58 cfs |
| **10-year/24-hour Peak Flow** *(See Appendix C)* | 9.46 cfs | 11.11 cfs | 24.50 cfs | 18.52 cfs | 2.26 cfs |
| **100-year/24-hour Peak Flow** *(see Appendix C)* | 19.36 cfs | 19.86 cfs | 48.18 cfs | 42.17 cfs | 7.52 cfs |

## 8.0 Post-Development Summary

***Bioretention Basins***

Four bioretention basins have been designed to accommodate the entire flow from proposed Watershed areas P1, P2, P3 and P4, as shown in the SWMP figures. Tables 3-10 illustrate the design parameters and performance of each bioretention basin. The design and specifications for the wet pond can be found in the Civil Engineering Plan Set in Appendix F.

| Table 3 – Bioretention Basin-1 (B1) Summary | Design Data |
|---|---|
| **Site Assessment Data: (Refer to Appendix E for Proposed Drainage Figures)** | |
| Contributing Drainage Area to Basin | 3.68 acres |
| % of Each Land Use Contributing to Drainage Area | 46% Pervious, 54% Impervious |
| Floodplain, Shoreland, or Wetlands? | No |
| **Basin Design Data: (Refer to the Civil Engineering Plan Set in Appendix F for additional Information)** | |
| Top of Berm Elevation | 830.25’ |
| Top of Engineered Soil Elevation | 826.25’ |
| Bottom of Engineered Soil Elevation | 824.25 |
| Bottom of Basin Elevation | 823.25’ |
| Surface Area of Engineered Soil | 3,309 Sq. Ft. |

**Table 4 – Bioretention Basin-1 - Inflow, Outflow, & Storage Data (B1)**

(See Hydrographs & Modeling Output in Appendix C and the Detail Drawings in the Civil Engineering Plan Set in Appendix F)

| Design Storm | Peak Inflow Rate (cfs) | Peak Outflow Rate (cfs) | Max. Water Elevation (ft) | Storage Volume at Max. Elev. (cu ft) | Time to Drain Ponding Area (hrs) | Outflow Control Structures |
|---|---|---|---|---|---|---|
| 1-yr/24-hour | 4.11 | 1.47 | 826.42 | 3,481 | 0.30 | #1, #2 |
| 2-yr/24-hour | 5.18 | 1.57 | 826.76 | 4,744 | 0.75 | #1, #2 |
| 10-yr/24-hour | 9.46 | 1.88 | 827.94 | 10,524 | 2.00 | #1, #2 |
| 100-yr/24-hour | 19.36 | 3.88 | 829.71 | 22,929 | 3.50 | #1, #2, #3 |

**The controlling elements are summarized below (Refer to Appendix H and the detail drawings in the Civil Engineering Plan Set in Appendix F)**

#1 = Exfiltration at 823.25’

#2 = 6” Orifice at 823.75’

#3 = 48” Standpipe at 828.25’

#4 = 8” Culvert at 823.75’

| Table 5 – Bioretention Basin-2 (B2) Summary | Design Data |
|---|---|
| **Site Assessment Data: (Refer to Appendix E for Proposed Drainage Figures)** | |
| Contributing Drainage Area to Basin | 2.43 acres |
| % of Each Land Use Contributing to Drainage Area | 25% Pervious, 75% Impervious |
| Floodplain, Shoreland, or Wetlands? | No |
| **Basin Design Data: (Refer to the Civil Engineering Plan Set in Appendix F for additional Information)** | |
| Top of Berm Elevation | 831.00’ |
| Top of Engineered Soil Elevation | 827.00’ |
| Bottom of Engineered Soil Elevation | 825.00’ |
| Bottom of Basin Elevation | 824.00’ |
| Surface Area of Engineered Soil | 2,178 Sq. Ft. |

## Table 6 – Bioretention Basin-2 - Inflow, Outflow, & Storage Data (B2)

(See Hydrographs & Modeling Output in Appendix C and the Detail Drawings in the Civil Engineering Plan Set in Appendix F)

| Design Storm | Peak Inflow Rate (cfs) | Peak Outflow Rate (cfs) | Max. Water Elevation (ft) | Storage Volume at Max. Elev. (cu ft) | Time to Drain Ponding Area (hrs) | Outflow Control Structures |
|---|---|---|---|---|---|---|
| 1-yr/24-hour | 5.91 | 1.64 | 827.75 | 3,802 | 0.65 | #1, #2 |
| 2-yr/24-hour | 7.01 | 1.72 | 828.06 | 4,749 | 0.90 | #1, #2 |
| 10-yr/24-hour | 11.11 | 2.58 | 829.07 | 8,516 | 1.70 | #1, #2, #3 |
| 100-yr/24-hour | 19.86 | 6.08 | 830.28 | 14,335 | 2.35 | #1, #2, #3, #4 |

**The controlling elements are summarized below (Refer to Appendix H and the detail drawings in the Civil Engineering Plan Set in Appendix F)**

#1 = Exfiltration at 824.00’

#2 = 6” Orifice at 824.50’

#3 = 36” Standpipe at 829.00’

#4 = 10” Culvert at 824.50’

| Table 7 – Bioretention Basin-3 (B3) Summary | Design Data |
|---|---|
| **Site Assessment Data: (Refer to Appendix E for Proposed Drainage Figures)** | |
| Contributing Drainage Area to Basin | 7.64 acres |
| % of Each Land Use Contributing to Drainage Area | 41% Pervious, 59% Impervious |
| Floodplain, Shoreland, or Wetlands? | No |
| **Basin Design Data: (Refer to the Civil Engineering Plan Set in Appendix F for additional Information)** | |
| Top of Berm Elevation | 829.00’ |
| Top of Engineered Soil Elevation | 825.00’ |
| Bottom of Engineered Soil Elevation | 823.00’ |
| Bottom of Basin Elevation | 822.00’ |
| Surface Area of Engineered Soil | 10,153 Sq. Ft. |

## Table 8 – Bioretention Basin-3 - Inflow, Outflow, & Storage Data (B3)

(See Hydrographs & Modeling Output in Appendix C and the Detail Drawings in the Civil Engineering Plan Set in Appendix F)

| Design Storm | Peak Inflow Rate (cfs) | Peak Outflow Rate (cfs) | Max. Water Elevation (ft) | Storage Volume at Max. Elev. (cu ft) | Time to Drain Ponding Area (hrs) | Outflow Control Structures |
|---|---|---|---|---|---|---|
| 1-yr/24-hour | 11.30 | 1.50 | 825.28 | 11,829 | 1.15 | #1, #2 |
| 2-yr/24-hour | 13.98 | 1.60 | 825.60 | 15,433 | 1.95 | #1, #2 |
| 10-yr/24-hour | 24.50 | 1.90 | 826.80 | 31,100 | 4.60 | #1, #2 |
| 100-yr/24-hour | 48.18 | 3.42 | 828.89 | 66,645 | 8.45 | #1, #2, #3, #4 |

**The controlling elements are summarized below (Refer to Appendix H and the detail drawings in the Civil Engineering Plan Set in Appendix F)**

- #1 = Exfiltration at 822.00’
- #2 = 6” Orifice at 822.50’
- #3 = 48” Standpipe at 827.00’
- #4 = 10” Culvert at 822.50’

| Table 9 – Bioretention Basin-4 (B4) Summary | Design Data |
|---|---|
| **Site Assessment Data: (Refer to Appendix E for Proposed Drainage Figures)** | |
| Contributing Drainage Area to Basin | 9.43 acres |
| % of Each Land Use Contributing to Drainage Area | 63% Pervious, 37% Impervious |
| Floodplain, Shoreland, or Wetlands? | No |
| **Basin Design Data: (Refer to the Civil Engineering Plan Set in Appendix F for additional Information)** | |
| Top of Berm Elevation | 830.00’ |
| Top of Engineered Soil Elevation | 826.00’ |
| Bottom of Engineered Soil Elevation | 824.50’ |
| Bottom of Basin Elevation | 823.50’ |
| Surface Area of Engineered Soil | 8,894 Sq. Ft. |

## Table 10 – Bioretention Basin-4 - Inflow, Outflow, & Storage Data (B4)

(See Hydrographs & Modeling Output in Appendix C and the Detail Drawings in the Civil Engineering Plan Set in Appendix F)

| Design Storm | Peak Inflow Rate (cfs) | Peak Outflow Rate (cfs) | Max. Water Elevation (ft) | Storage Volume at Max. Elev. (cu ft) | Time to Drain Ponding Area (hrs) | Outflow Control Structures |
|---|---|---|---|---|---|---|
| 1-yr/24-hour | 6.62 | 1.28 | 826.07 | 7,200 | 0.50 | #1, #2 |
| 2-yr/24-hour | 8.91 | 1.39 | 826.40 | 10,309 | 1.45 | #1, #2 |
| 10-yr/24-hour | 18.52 | 1.77 | 827.76 | 25,877 | 4.60 | #1, #2 |
| 100-yr/24-hour | 42.17 | 5.59 | 829.88 | 58,856 | 8.05 | #1, #2, #3, #4 |

**The controlling elements are summarized below (Refer to Appendix H and the detail drawings in the Civil Engineering Plan Set in Appendix F)**

- #1 = Exfiltration at 823.50’
- #2 = 6” Orifice at 824.00’
- #3 = 48” Standpipe at 828.00’

| |
|---|
| #4 = 10” Culvert at 824.00’ |

***Total Storm Water Flows/Peak Discharge Requirements***

Table 11 summarizes the peak discharge leaving the site.

**Table 11 – Peak Storm Water Discharge Leaving Site**

(See Model Output Attachments in Appendix G)

| Storm Event | Pre-Development Peak Discharge (cfs) | Post-Development Peak Discharge (cfs) |
|---|---|---|
| 10-year 24-hour Pre-Dev vs 100-year 24-hour Post Dev | 27.33 | **25.53** |
| 2-year 24-hour Pre-Dev vs 10-year 24-hour Post Dev | 12.26 | **9.66** |
| 2-year 24-hour Pre-Dev vs 2-year 24-hour Post Dev | 12.26 | **6.65** |
| 1-year 24-hour Pre-Dev vs 1-year 24-hour Post Dev | 8.84 | **6.09** |

As detailed in table 11, the 100-yr, 10-yr, 2-yr, and 1-yr post-development peak discharge rates are less than the 10-yr, 2-yr, 2-yr, and 1-yr pre-development peak discharges, respectively, for this site. **Therefore, this site meets the Village of Mukwonago Code of Ordinance Ch. 34-110(d)(1) peak discharge requirement.**

***Total Suspended Solids/Water Quality and Infiltration Requirements***

The proposed project is a mix of redevelopment and new development. The proposed new development area is 151,798 sq. ft (increased impervious area) and redevelopment impervious area is 364,626 sq. ft. The required TSS reduction would be a weighted average of the new development and redevelopment areas.

$$TSS\ reduction\ requirements = \frac{(151{,}798 * 0.8) + (364{,}626 * 0.4)}{516{,}424} * 100 = \mathbf{51.76}\%$$

**Table 12 – WinSLAMM Model Output Results**

(See Model Output Attachment in Appendix D)

| Required TSS Reduction | Modeled TSS Reduction |
|---|---|
| 51.76% | **87.78%** |

Based on the WinSLAMM analysis, the post-developed site reduces TSS by 87.78% exceeding the required reduction of 51.76% TSS removal. **Therefore, the site meets the water quality requirements of the Village of Mukwonago Code of Ordinances.**

| Table 13 – Infiltration Calculation<br>(See Model Output Attachment in Appendix D) | |
|---|---|
| **Pre-Development Infiltration Calculation (Based on Average Annual Rainfall)** | **Post-Development Infiltration Calculation (Based on Average Annual Rainfall)** |
| Rainfall Volume = 2,728,289 CF<br>Pre-Development Runoff Volume = 751,639 CF<br>Pre-Development Infiltration Volume = 1,976,650 CF<br>75% of Pre-Development Infiltration Volume = **1,482,488 CF** | Rainfall Volume = 2,728,289 CF<br>Post-Development Runoff Volume = 444,593 CF<br>Post-Development Infiltration Volume = **2,283,696 CF** |

The post-development modeled infiltration volume is greater than 75% of the pre-development infiltration volume, **Therefore, the site meets the water quality requirements of the Village of Mukwonago Code of Ordinance Ch. 34-110(d)(3).**

# Appendix A

## Web Soil Survey Report

Map Scale: 1:2,600 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 35 70 140 210

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

## MAP LEGEND

**Area of Interest (AOI)**

- Area of Interest (AOI)

**Soils**

**Soil Rating Polygons**

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Soil Rating Lines**

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**Soil Rating Points**

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

**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: Waukesha County, Wisconsin
Survey Area Data: Version 3, Dec 10, 2024

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.

# Hydrologic Soil Group

| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
|---|---|---|---|---|
| CeB | Casco loam, 2 to 6 percent slopes | B | 0.6 | 2.4% |
| CeC2 | Casco loam, 6 to 12 percent slopes, eroded | B | 0.6 | 2.3% |
| FoB | Fox loam, 2 to 6 percent slopes | C | 0.3 | 1.3% |
| MxD2 | Miami loam, sandy loam substratum, 12 to 20 percent slopes, eroded | B | 0.1 | 0.4% |
| Sf | Sandy and gravelly land | D | 24.4 | 93.6% |
| **Totals for Area of Interest** | | | **26.0** | **100.0%** |

## Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

## Rating Options

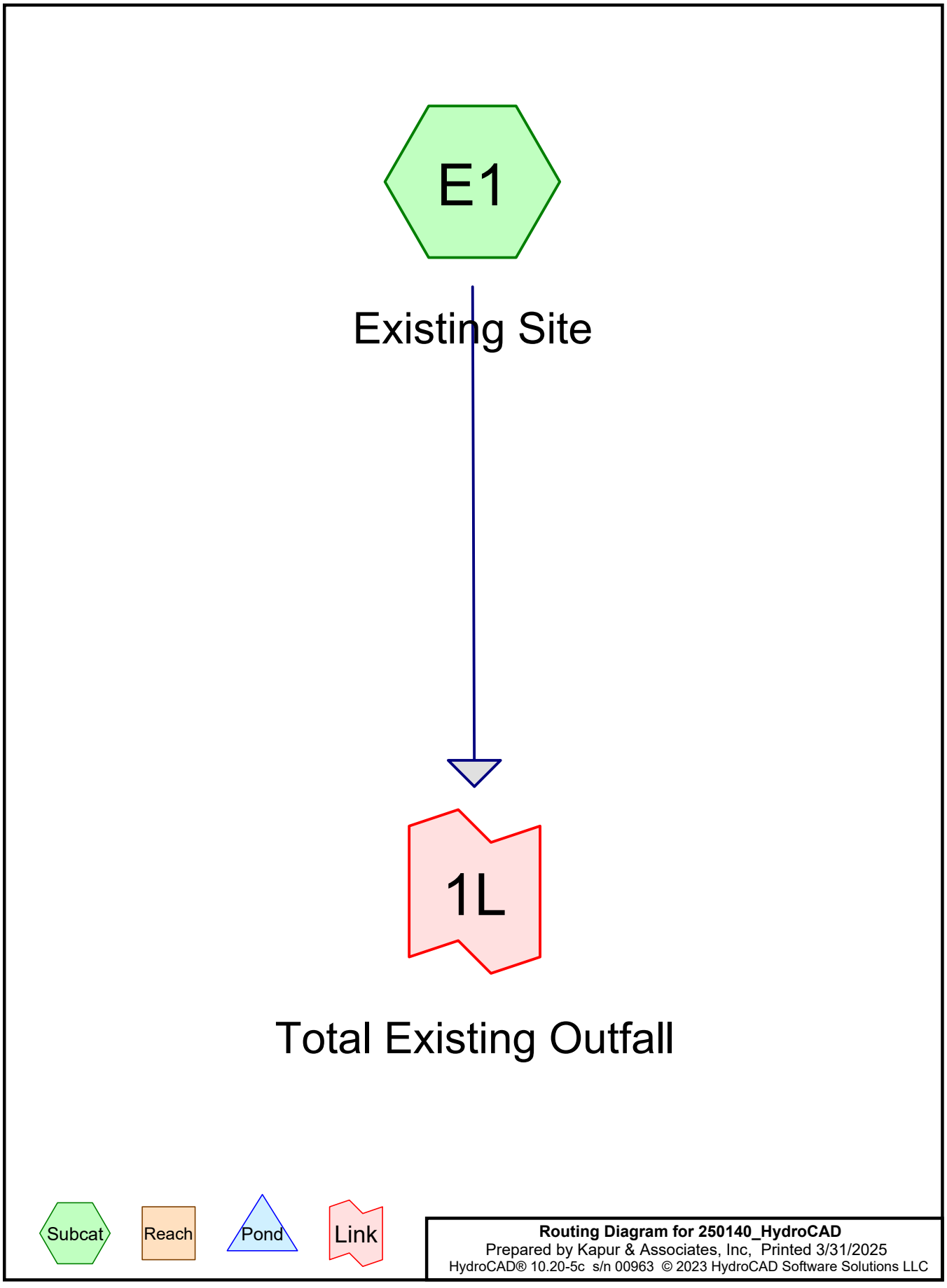
*Aggregation Method:* Dominant Condition

*Component Percent Cutoff: None Specified*

*Tie-break Rule:* Higher

# Appendix B

## HydroCAD Analysis – Pre-Development Conditions


E1
Existing Site
1L
Total Existing Outfall
Subcat
Reach
Pond
Link
Routing Diagram for 250140_HydroCAD
Prepared by Kapur & Associates, Inc, Printed 3/31/2025
HydroCAD® 10.20-5c s/n 00963 © 2023 HydroCAD Software Solutions LLC

## Project Notes

Rainfall events imported from "Atlas-14-Rain.txt" for 1254 WI Waukesha
Rainfall events imported from "Atlas-14-Rain.txt" for 1254 WI Waukesha
Rainfall events imported from "Atlas-14-Rain.txt" for 1254 WI Waukesha

## Rainfall Events Listing

| Event# | Event Name | Storm Type | Curve | Mode | Duration (hours) | B/B | Depth (inches) | AMC |
|---|---|---|---|---|---|---|---|---|
| 1 | 1-Year | MSE 24-hr | 3 | Default | 24.00 | 1 | 2.40 | 2 |
| 2 | 2-Year | MSE 24-hr | 3 | Default | 24.00 | 1 | 2.70 | 2 |
| 3 | 10-Year | MSE 24-hr | 3 | Default | 24.00 | 1 | 3.81 | 2 |
| 4 | 100-Year | MSE 24-hr | 3 | Default | 24.00 | 1 | 6.18 | 2 |

## Area Listing (selected nodes)

| Area (sq-ft) | CN | Description (subcatchment-numbers) |
|---|---|---|
| 763,543 | 61 | >75% Grass cover, Good, HSG B (E1) |
| 156,956 | 98 | Paved parking, HSG B (E1) |
| 157,259 | 98 | Roofs, HSG B (E1) |
| 50,411 | 98 | Sidewalks, HSG B (E1) |
| **1,128,169** | **73** | **TOTAL AREA** |

## Soil Listing (selected nodes)

| Area (sq-ft) | Soil Group | Subcatchment Numbers |
|---|---|---|
| 0 | HSG A | |
| 1,128,169 | HSG B | E1 |
| 0 | HSG C | |
| 0 | HSG D | |
| 0 | Other | |
| **1,128,169** | | **TOTAL AREA** |

## Ground Covers (selected nodes)

| HSG-A (sq-ft) | HSG-B (sq-ft) | HSG-C (sq-ft) | HSG-D (sq-ft) | Other (sq-ft) | Total (sq-ft) | Ground Cover | Su Nu |
|---|---|---|---|---|---|---|---|
| 0 | 763,543 | 0 | 0 | 0 | 763,543 | >75% Grass cover, Good | |
| 0 | 156,956 | 0 | 0 | 0 | 156,956 | Paved parking | |
| 0 | 157,259 | 0 | 0 | 0 | 157,259 | Roofs | |
| 0 | 50,411 | 0 | 0 | 0 | 50,411 | Sidewalks | |
| **0** | **1,128,169** | **0** | **0** | **0** | **1,128,169** | **TOTAL AREA** | |

## Pipe Listing (selected nodes)

| Line# | Node Number | In-Invert (feet) | Out-Invert (feet) | Length (feet) | Slope (ft/ft) | n | Width (inches) | Diam/Height (inches) | Inside-Fill (inches) | Node Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | E1 | 0.00 | 0.00 | 36.0 | 0.0100 | 0.013 | 0.0 | 12.0 | 0.0 | |

Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment E1: Existing Site** Runoff Area=1,128,169 sf 32.32% Impervious Runoff Depth=0.51"
Flow Length=878' Tc=37.3 min CN=73 Runoff=8.84 cfs 48,359 cf

**Link 1L: Total Existing Outfall** Inflow=8.84 cfs 48,359 cf
Primary=8.84 cfs 48,359 cf

**Total Runoff Area = 1,128,169 sf Runoff Volume = 48,359 cf Average Runoff Depth = 0.51"**
**67.68% Pervious = 763,543 sf 32.32% Impervious = 364,626 sf**

## Summary for Subcatchment E1: Existing Site

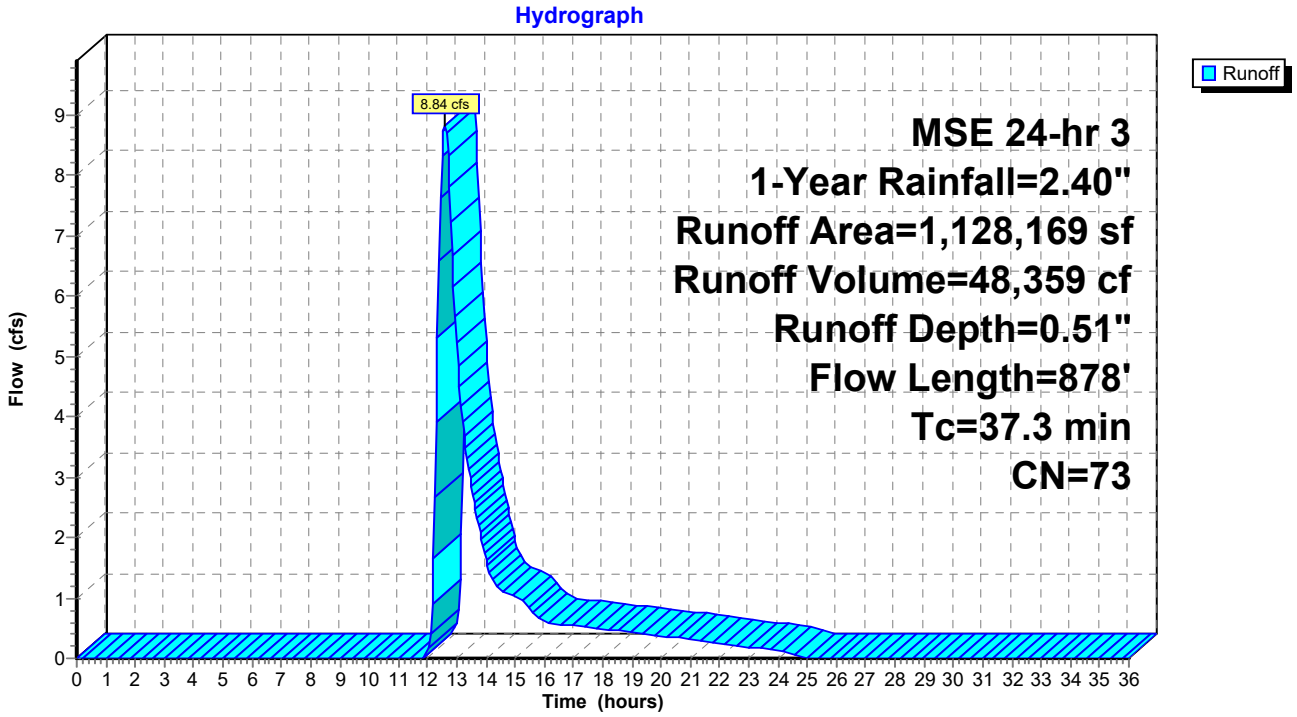
Runoff = 8.84 cfs @ 12.59 hrs, Volume= 48,359 cf, Depth= 0.51"
Routed to Link 1L : Total Existing Outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1-Year Rainfall=2.40"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 157,259 | 98 | Roofs, HSG B |
| | 156,956 | 98 | Paved parking, HSG B |
| * | 50,411 | 98 | Sidewalks, HSG B |
| | 763,543 | 61 | >75% Grass cover, Good, HSG B |
| | 1,128,169 | 73 | Weighted Average |
| | 763,543 | | 67.68% Pervious Area |
| | 364,626 | | 32.32% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Pre-developed Sheet Flow-1**<br>Grass: Short n= 0.150 P2= 2.70" |
| 2.7 | 136 | 0.0147 | 0.85 | | **Shallow Concentrated Flow, Pre-Developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 36 | 0.0100 | 4.54 | 3.56 | **Pipe Channel, Pre-Developed Pipe Flow-1**<br>12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25'<br>n= 0.013 |
| 20.4 | 606 | 0.0050 | 0.49 | | **Shallow Concentrated Flow, Pre-Developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 37.3 | 878 | Total | | | |

## Subcatchment E1: Existing Site

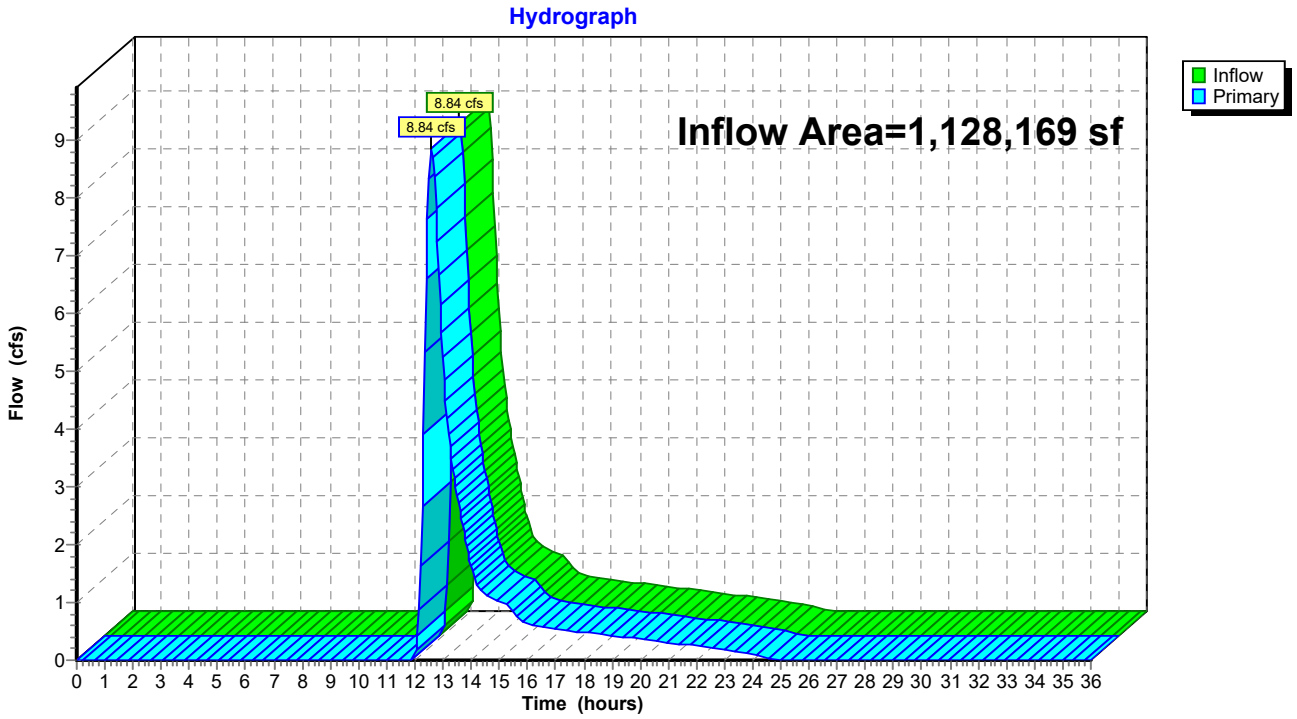


## Summary for Link 1L: Total Existing Outfall

Inflow Area = 1,128,169 sf, 32.32% Impervious, Inflow Depth = 0.51" for 1-Year event
Inflow = 8.84 cfs @ 12.59 hrs, Volume= 48,359 cf
Primary = 8.84 cfs @ 12.59 hrs, Volume= 48,359 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

## Link 1L: Total Existing Outfall



Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment E1: Existing Site** Runoff Area=1,128,169 sf 32.32% Impervious Runoff Depth=0.68"
Flow Length=878' Tc=37.3 min CN=73 Runoff=12.26 cfs 63,840 cf

**Link 1L: Total Existing Outfall** Inflow=12.26 cfs 63,840 cf
Primary=12.26 cfs 63,840 cf

**Total Runoff Area = 1,128,169 sf Runoff Volume = 63,840 cf Average Runoff Depth = 0.68"**
**67.68% Pervious = 763,543 sf 32.32% Impervious = 364,626 sf**

## Summary for Subcatchment E1: Existing Site

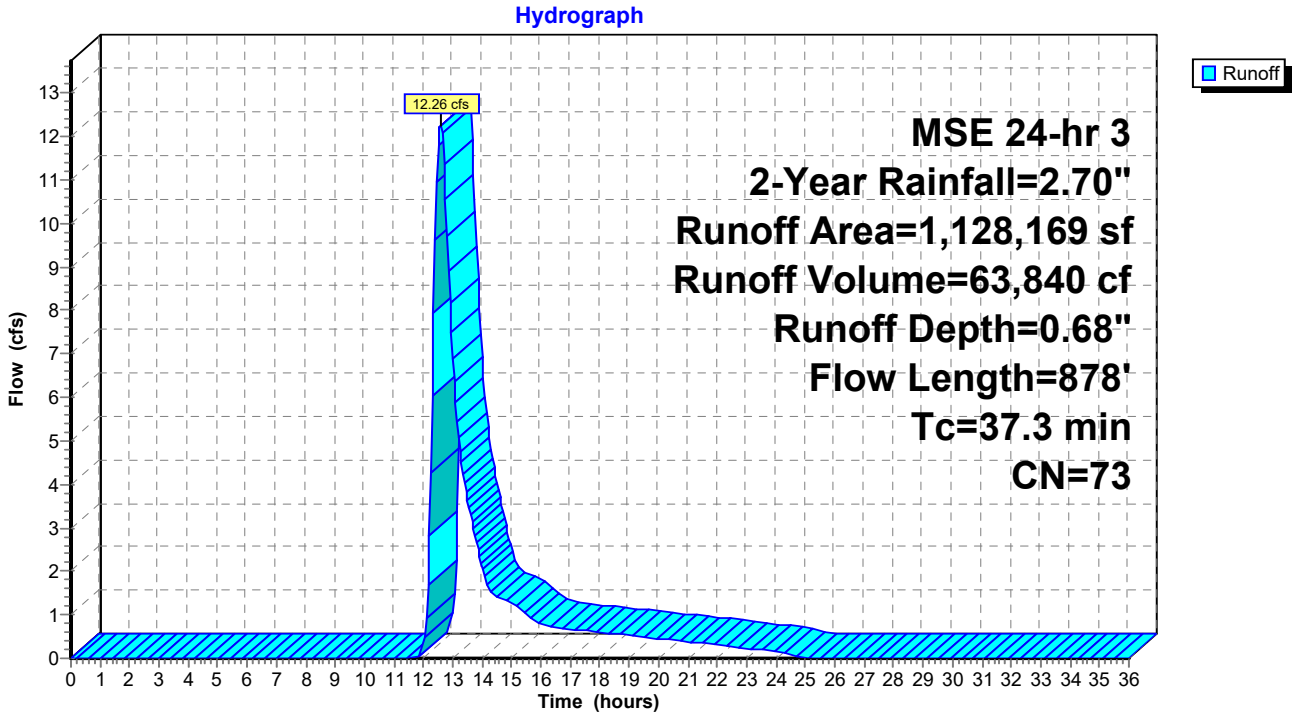
Runoff = 12.26 cfs @ 12.58 hrs, Volume= 63,840 cf, Depth= 0.68"
Routed to Link 1L : Total Existing Outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2-Year Rainfall=2.70"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 157,259 | 98 | Roofs, HSG B |
| | 156,956 | 98 | Paved parking, HSG B |
| * | 50,411 | 98 | Sidewalks, HSG B |
| | 763,543 | 61 | >75% Grass cover, Good, HSG B |
| | 1,128,169 | 73 | Weighted Average |
| | 763,543 | | 67.68% Pervious Area |
| | 364,626 | | 32.32% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Pre-developed Sheet Flow-1**<br>Grass: Short n= 0.150 P2= 2.70" |
| 2.7 | 136 | 0.0147 | 0.85 | | **Shallow Concentrated Flow, Pre-Developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 36 | 0.0100 | 4.54 | 3.56 | **Pipe Channel, Pre-Developed Pipe Flow-1**<br>12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25'<br>n= 0.013 |
| 20.4 | 606 | 0.0050 | 0.49 | | **Shallow Concentrated Flow, Pre-Developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 37.3 | 878 | Total | | | |

## Subcatchment E1: Existing Site

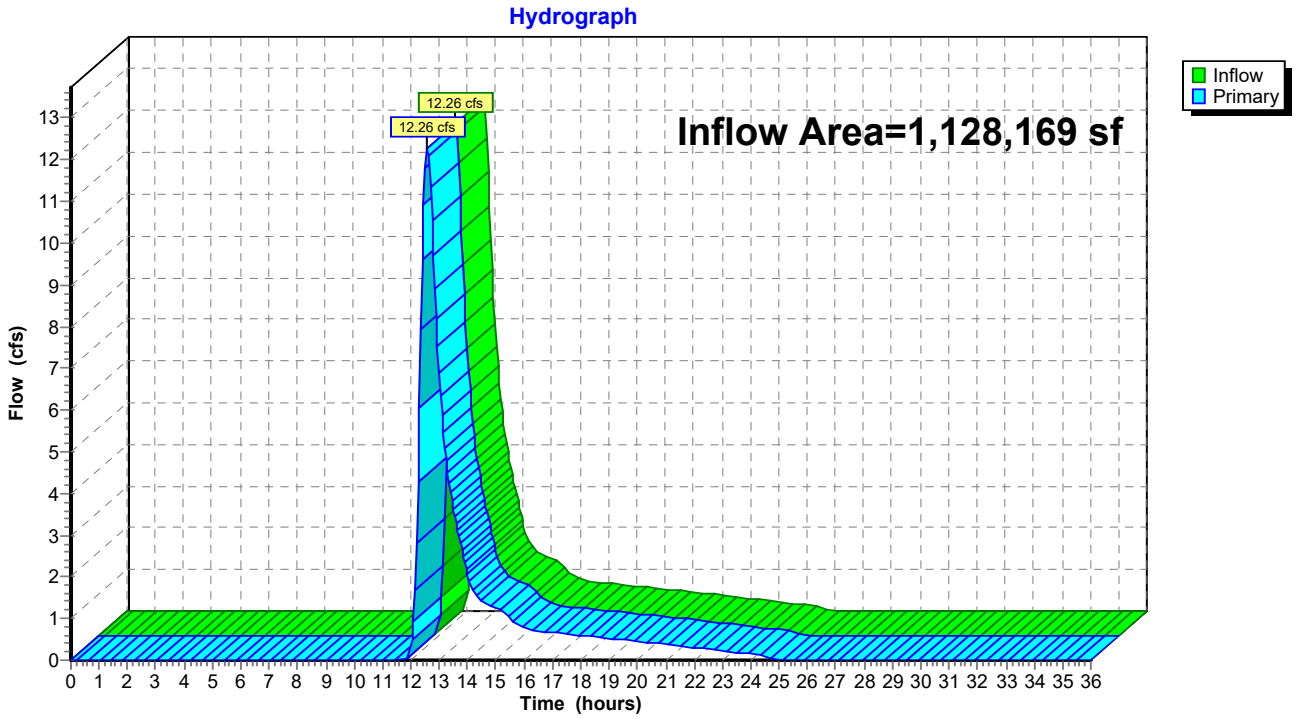


## Summary for Link 1L: Total Existing Outfall

Inflow Area = 1,128,169 sf, 32.32% Impervious, Inflow Depth = 0.68" for 2-Year event
Inflow = 12.26 cfs @ 12.58 hrs, Volume= 63,840 cf
Primary = 12.26 cfs @ 12.58 hrs, Volume= 63,840 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

## Link 1L: Total Existing Outfall



Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment E1: Existing Site** Runoff Area=1,128,169 sf 32.32% Impervious Runoff Depth=1.39"
Flow Length=878' Tc=37.3 min CN=73 Runoff=27.33 cfs 130,927 cf

**Link 1L: Total Existing Outfall** Inflow=27.33 cfs 130,927 cf
Primary=27.33 cfs 130,927 cf

**Total Runoff Area = 1,128,169 sf Runoff Volume = 130,927 cf Average Runoff Depth = 1.39"**
**67.68% Pervious = 763,543 sf 32.32% Impervious = 364,626 sf**

## Summary for Subcatchment E1: Existing Site

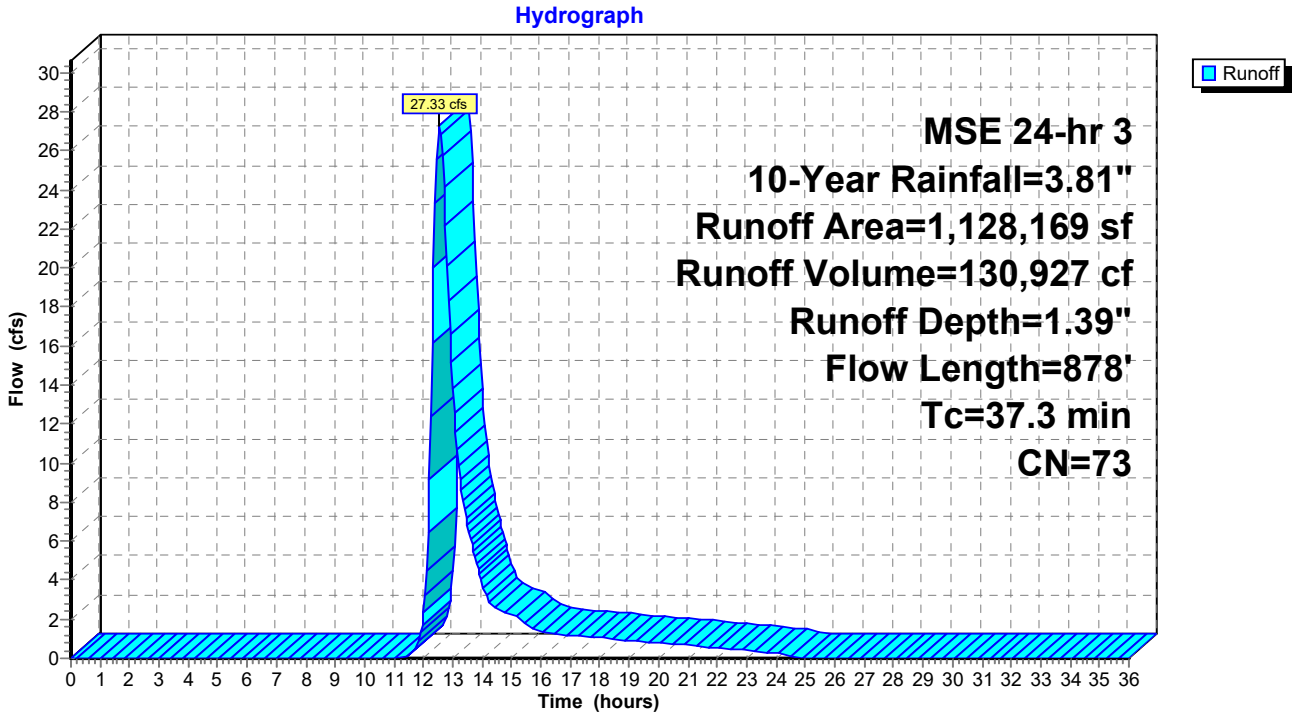
Runoff = 27.33 cfs @ 12.55 hrs, Volume= 130,927 cf, Depth= 1.39"
Routed to Link 1L : Total Existing Outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10-Year Rainfall=3.81"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 157,259 | 98 | Roofs, HSG B |
| | 156,956 | 98 | Paved parking, HSG B |
| * | 50,411 | 98 | Sidewalks, HSG B |
| | 763,543 | 61 | >75% Grass cover, Good, HSG B |
| | 1,128,169 | 73 | Weighted Average |
| | 763,543 | | 67.68% Pervious Area |
| | 364,626 | | 32.32% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Pre-developed Sheet Flow-1**<br>Grass: Short n= 0.150 P2= 2.70" |
| 2.7 | 136 | 0.0147 | 0.85 | | **Shallow Concentrated Flow, Pre-Developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 36 | 0.0100 | 4.54 | 3.56 | **Pipe Channel, Pre-Developed Pipe Flow-1**<br>12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25'<br>n= 0.013 |
| 20.4 | 606 | 0.0050 | 0.49 | | **Shallow Concentrated Flow, Pre-Developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 37.3 | 878 | Total | | | |

## Subcatchment E1: Existing Site

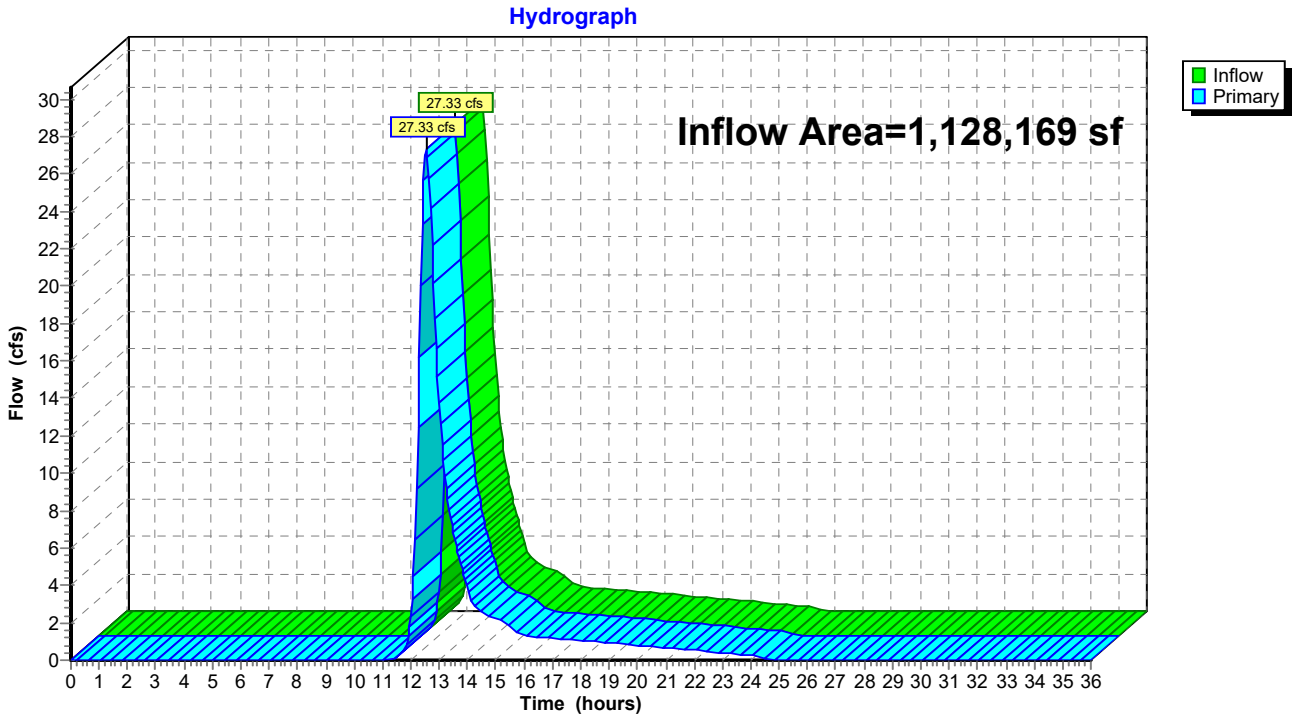


## Summary for Link 1L: Total Existing Outfall

Inflow Area = 1,128,169 sf, 32.32% Impervious, Inflow Depth = 1.39" for 10-Year event
Inflow = 27.33 cfs @ 12.55 hrs, Volume= 130,927 cf
Primary = 27.33 cfs @ 12.55 hrs, Volume= 130,927 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

## Link 1L: Total Existing Outfall



Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment E1: Existing Site** Runoff Area=1,128,169 sf 32.32% Impervious Runoff Depth=3.24"
Flow Length=878' Tc=37.3 min CN=73 Runoff=65.86 cfs 304,467 cf

**Link 1L: Total Existing Outfall** Inflow=65.86 cfs 304,467 cf
Primary=65.86 cfs 304,467 cf

**Total Runoff Area = 1,128,169 sf Runoff Volume = 304,467 cf Average Runoff Depth = 3.24"**
**67.68% Pervious = 763,543 sf 32.32% Impervious = 364,626 sf**

## Summary for Subcatchment E1: Existing Site

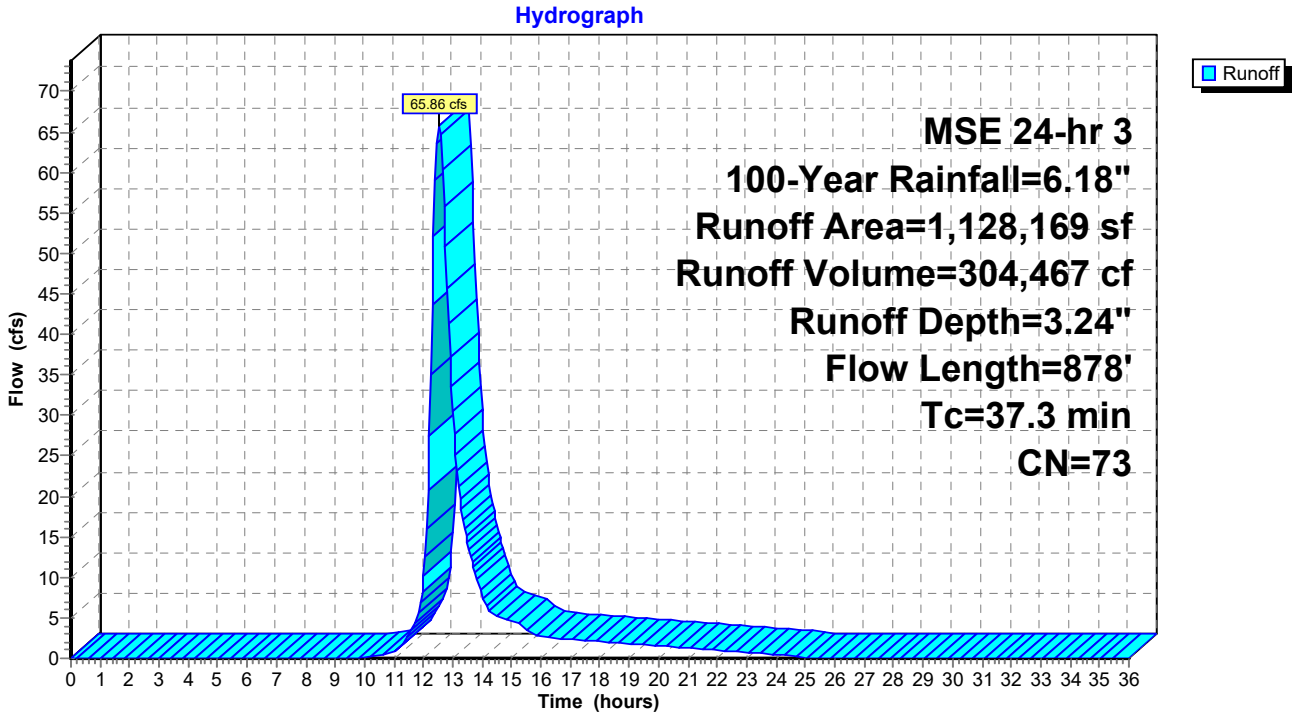
Runoff = 65.86 cfs @ 12.52 hrs, Volume= 304,467 cf, Depth= 3.24"
Routed to Link 1L : Total Existing Outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100-Year Rainfall=6.18"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 157,259 | 98 | Roofs, HSG B |
| | 156,956 | 98 | Paved parking, HSG B |
| * | 50,411 | 98 | Sidewalks, HSG B |
| | 763,543 | 61 | >75% Grass cover, Good, HSG B |
| | 1,128,169 | 73 | Weighted Average |
| | 763,543 | | 67.68% Pervious Area |
| | 364,626 | | 32.32% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Pre-developed Sheet Flow-1**<br>Grass: Short n= 0.150 P2= 2.70" |
| 2.7 | 136 | 0.0147 | 0.85 | | **Shallow Concentrated Flow, Pre-Developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.1 | 36 | 0.0100 | 4.54 | 3.56 | **Pipe Channel, Pre-Developed Pipe Flow-1**<br>12.0" Round Area= 0.8 sf Perim= 3.1' r= 0.25'<br>n= 0.013 |
| 20.4 | 606 | 0.0050 | 0.49 | | **Shallow Concentrated Flow, Pre-Developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 37.3 | 878 | Total | | | |

## Subcatchment E1: Existing Site

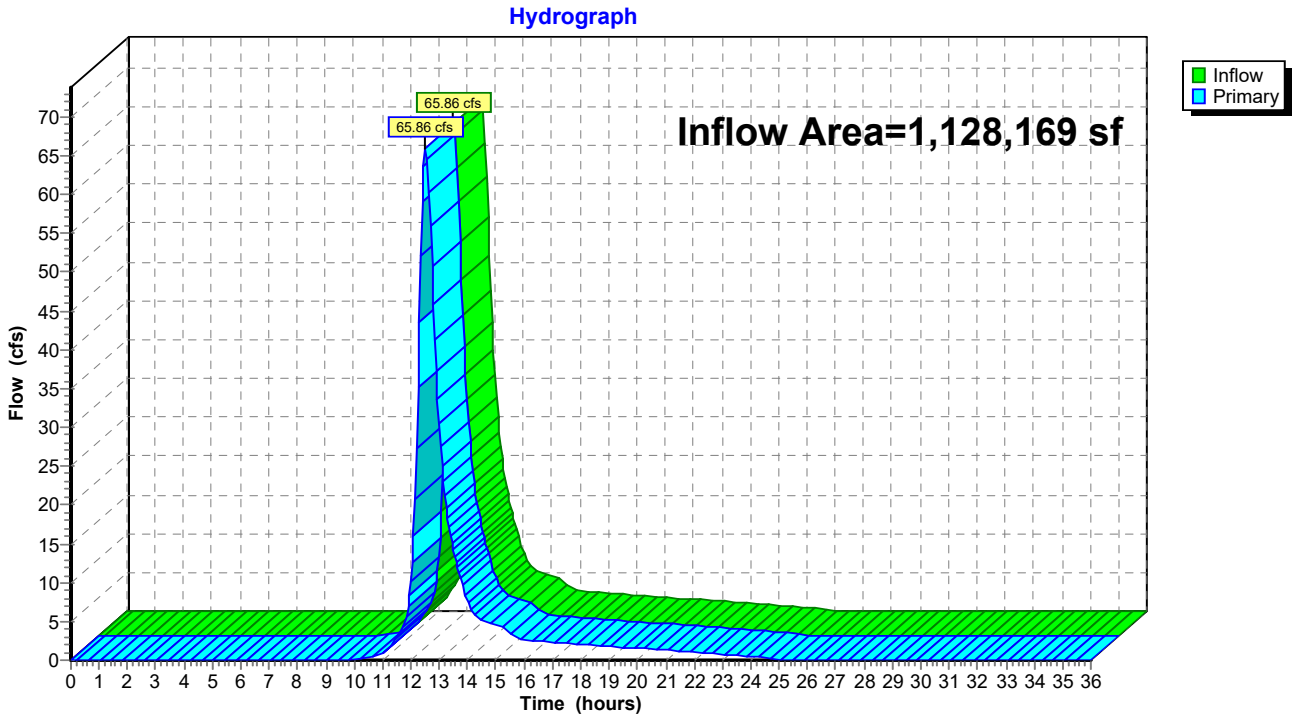


## Summary for Link 1L: Total Existing Outfall

Inflow Area = 1,128,169 sf, 32.32% Impervious, Inflow Depth = 3.24" for 100-Year event
Inflow = 65.86 cfs @ 12.52 hrs, Volume= 304,467 cf
Primary = 65.86 cfs @ 12.52 hrs, Volume= 304,467 cf, Atten= 0%, Lag= 0.0 min

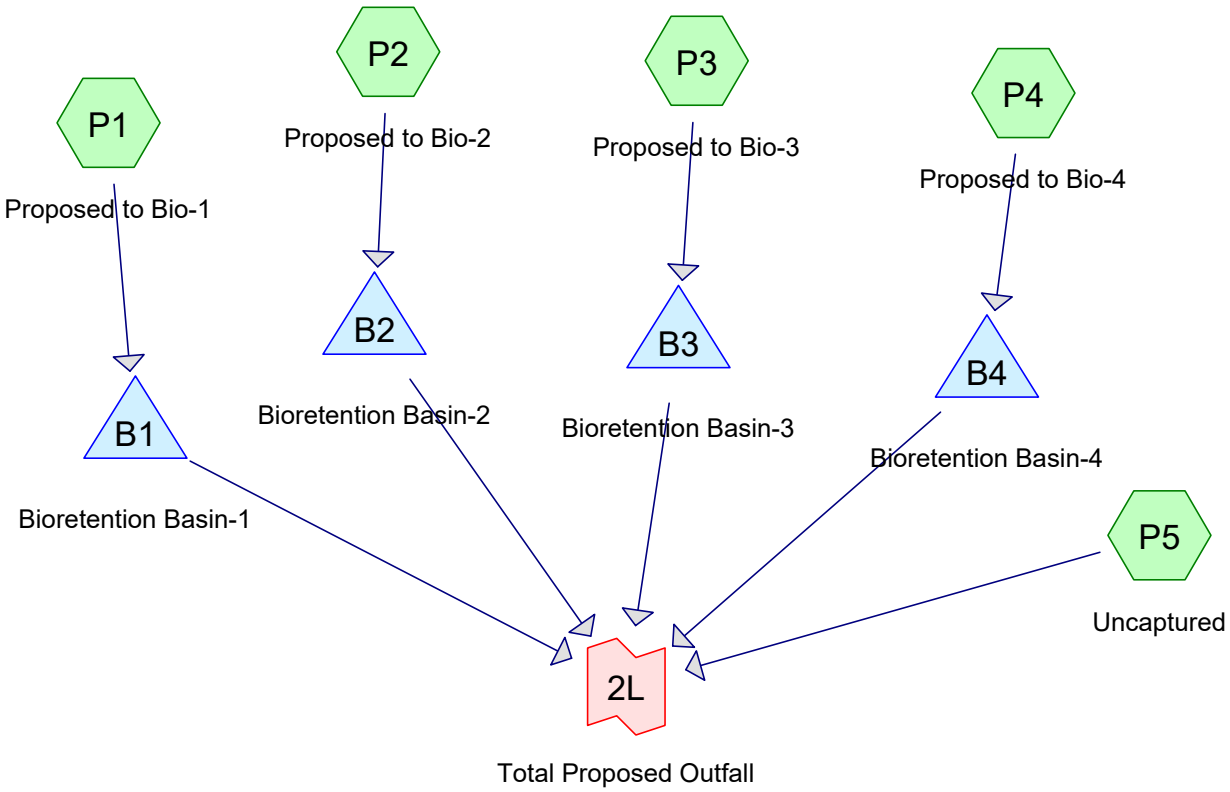
Primary outflow = Inflow, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

## Link 1L: Total Existing Outfall



# Appendix C

## HydroCAD Analysis – Post-Development Conditions




Subcat Reach Pond Link

**Routing Diagram for 250140_HydroCAD**
Prepared by Kapur & Associates, Inc, Printed 3/31/2025
HydroCAD® 10.20-5c s/n 00963 © 2023 HydroCAD Software Solutions LLC

## Project Notes

Rainfall events imported from "Atlas-14-Rain.txt" for 1254 WI Waukesha
Rainfall events imported from "Atlas-14-Rain.txt" for 1254 WI Waukesha
Rainfall events imported from "Atlas-14-Rain.txt" for 1254 WI Waukesha

## Area Listing (selected nodes)

| Area (sq-ft) | CN | Description (subcatchment-numbers) |
|---|---|---|
| 611,745 | 61 | >75% Grass cover, Good, HSG B (P1, P2, P3, P4, P5) |
| 267,418 | 98 | Paved parking, HSG B (P1, P2, P3, P4, P5) |
| 157,510 | 98 | Roofs, HSG B (P2, P3) |
| 91,496 | 98 | Sidewalks, HSG B (P1, P2, P3, P4, P5) |
| **1,128,169** | **78** | **TOTAL AREA** |

## Soil Listing (selected nodes)

| Area (sq-ft) | Soil Group | Subcatchment Numbers |
|---|---|---|
| 0 | HSG A | |
| 1,128,169 | HSG B | P1, P2, P3, P4, P5 |
| 0 | HSG C | |
| 0 | HSG D | |
| 0 | Other | |
| **1,128,169** | | **TOTAL AREA** |

## Ground Covers (selected nodes)

| HSG-A (sq-ft) | HSG-B (sq-ft) | HSG-C (sq-ft) | HSG-D (sq-ft) | Other (sq-ft) | Total (sq-ft) | Ground Cover | Su Nu |
|---|---|---|---|---|---|---|---|
| 0 | 611,745 | 0 | 0 | 0 | 611,745 | >75% Grass cover, Good | |
| 0 | 267,418 | 0 | 0 | 0 | 267,418 | Paved parking | |
| 0 | 157,510 | 0 | 0 | 0 | 157,510 | Roofs | |
| 0 | 91,496 | 0 | 0 | 0 | 91,496 | Sidewalks | |
| **0** | **1,128,169** | **0** | **0** | **0** | **1,128,169** | **TOTAL AREA** | |

## Pipe Listing (selected nodes)

| Line# | Node Number | In-Invert (feet) | Out-Invert (feet) | Length (feet) | Slope (ft/ft) | n | Width (inches) | Diam/Height (inches) | Inside-Fill (inches) | Node Name |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | B1 | 824.75 | 824.13 | 49.7 | 0.0125 | 0.010 | 0.0 | 8.0 | 0.0 | |
| 2 | B2 | 824.50 | 824.23 | 26.6 | 0.0102 | 0.012 | 0.0 | 10.0 | 0.0 | |
| 3 | B3 | 822.50 | 820.88 | 433.6 | 0.0037 | 0.010 | 0.0 | 10.0 | 0.0 | |
| 4 | B4 | 824.00 | 823.86 | 70.6 | 0.0020 | 0.010 | 0.0 | 10.0 | 0.0 | |

Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment P1: Proposed to Bio-1** Runoff Area=160,309 sf 53.74% Impervious Runoff Depth=0.87"
Flow Length=347' Tc=14.3 min CN=81 Runoff=4.11 cfs 11,646 cf

**Subcatchment P2: Proposed to Bio-2** Runoff Area=105,983 sf 75.37% Impervious Runoff Depth=1.37"
Tc=6.0 min CN=89 Runoff=5.91 cfs 12,079 cf

**Subcatchment P3: Proposed to Bio-3** Runoff Area=332,690 sf 58.85% Impervious Runoff Depth=0.98"
Flow Length=150' Tc=10.1 min CN=83 Runoff=11.30 cfs 27,195 cf

**Subcatchment P4: Proposed to Bio-4** Runoff Area=410,715 sf 37.19% Impervious Runoff Depth=0.59"
Flow Length=119' Slope=0.0100 '/' Tc=14.6 min CN=75 Runoff=6.62 cfs 20,296 cf

**Subcatchment P5: Uncaptured** Runoff Area=118,472 sf 1.56% Impervious Runoff Depth=0.19"
Flow Length=186' Slope=0.0100 '/' Tc=15.1 min CN=62 Runoff=0.29 cfs 1,864 cf

**Pond B1: Bioretention Basin-1** Peak Elev=826.55' Storage=3,948 cf Inflow=4.11 cfs 11,646 cf
Discarded=0.12 cfs 4,566 cf Primary=1.27 cfs 7,080 cf Outflow=1.39 cfs 11,646 cf

**Pond B2: Bioretention Basin-2** Peak Elev=827.75' Storage=3,802 cf Inflow=5.91 cfs 12,079 cf
Discarded=0.08 cfs 1,884 cf Primary=1.64 cfs 10,194 cf Outflow=1.72 cfs 12,079 cf

**Pond B3: Bioretention Basin-3** Peak Elev=825.28' Storage=11,829 cf Inflow=11.30 cfs 27,195 cf
Discarded=0.36 cfs 9,099 cf Primary=1.50 cfs 18,097 cf Outflow=1.86 cfs 27,195 cf

**Pond B4: Bioretention Basin-4** Peak Elev=826.07' Storage=7,200 cf Inflow=6.62 cfs 20,296 cf
Discarded=0.31 cfs 7,258 cf Primary=1.28 cfs 13,038 cf Outflow=1.59 cfs 20,296 cf

**Link 2L: Total Proposed Outfall** Inflow=5.89 cfs 50,273 cf
Primary=5.89 cfs 50,273 cf

**Total Runoff Area = 1,128,169 sf Runoff Volume = 73,080 cf Average Runoff Depth = 0.78"**
**54.22% Pervious = 611,745 sf 45.78% Impervious = 516,424 sf**

## Summary for Subcatchment P1: Proposed to Bio-1

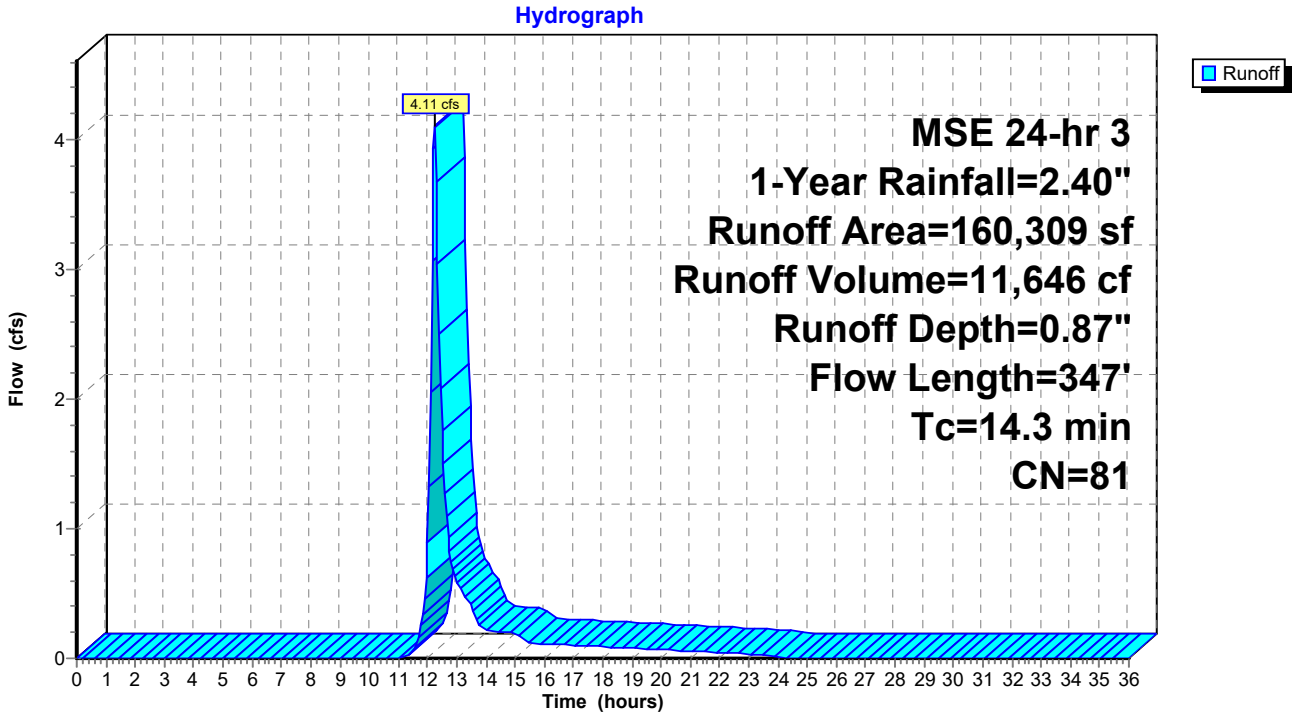
Runoff = 4.11 cfs @ 12.24 hrs, Volume= 11,646 cf, Depth= 0.87"
Routed to Pond B1 : Bioretention Basin-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1-Year Rainfall=2.40"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 76,705 | 98 | Paved parking, HSG B |
| * | 9,448 | 98 | Sidewalks, HSG B |
| | 74,156 | 61 | >75% Grass cover, Good, HSG B |
| | 160,309 | 81 | Weighted Average |
| | 74,156 | | 46.26% Pervious Area |
| | 86,153 | | 53.74% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.3 | 11 | 0.0150 | 0.72 | | **Sheet Flow, Post-developed Sheet Flow-1**<br>Smooth surfaces n= 0.011 P2= 2.70" |
| 10.4 | 89 | 0.0168 | 0.14 | | **Sheet Flow, Post-developed Sheet Flow-2**<br>Grass: Short n= 0.150 P2= 2.70" |
| 3.2 | 194 | 0.0206 | 1.00 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.4 | 53 | 0.1170 | 2.39 | | **Shallow Concentrated Flow, ost-developed Shallow Conc. Flow-**<br>Short Grass Pasture Kv= 7.0 fps |
| 14.3 | 347 | Total | | | |

## Subcatchment P1: Proposed to Bio-1



## Summary for Subcatchment P2: Proposed to Bio-2

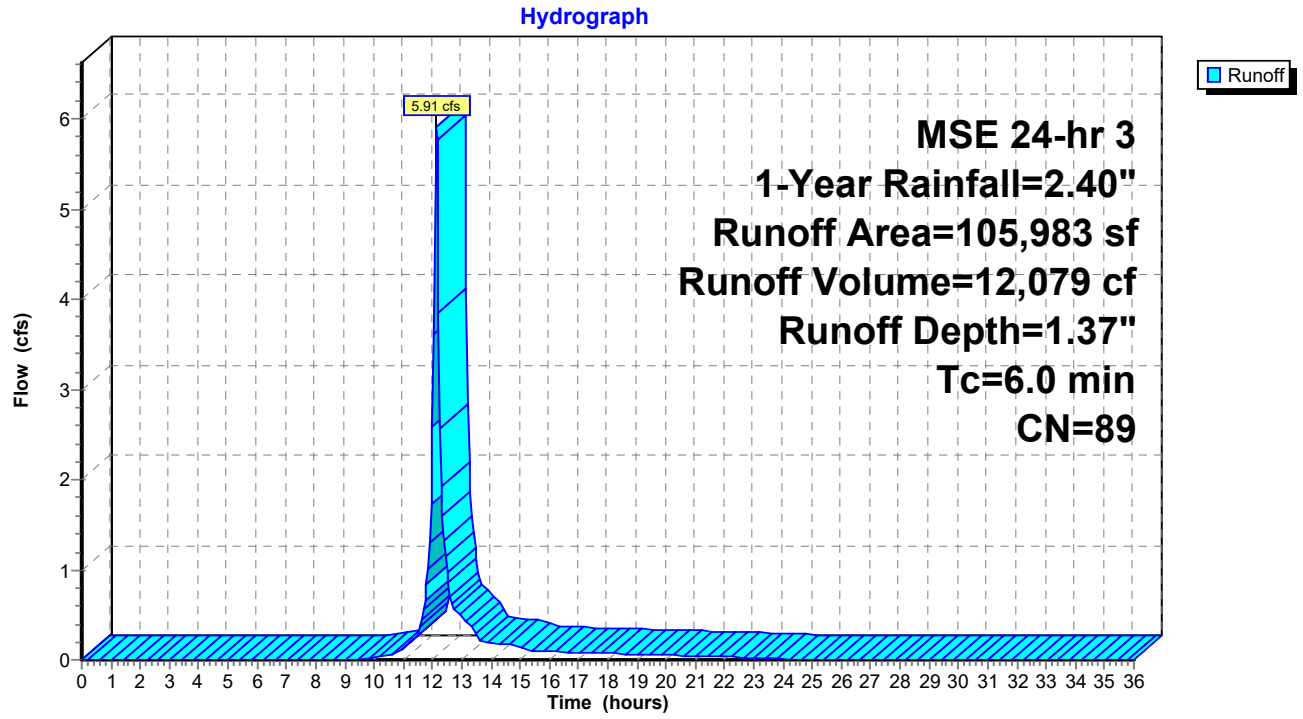
Runoff = 5.91 cfs @ 12.13 hrs, Volume= 12,079 cf, Depth= 1.37"
Routed to Pond B2 : Bioretention Basin-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1-Year Rainfall=2.40"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 45,039 | 98 | Roofs, HSG B |
| | 29,686 | 98 | Paved parking, HSG B |
| * | 5,153 | 98 | Sidewalks, HSG B |
| | 26,105 | 61 | >75% Grass cover, Good, HSG B |
| | 105,983 | 89 | Weighted Average |
| | 26,105 | | 24.63% Pervious Area |
| | 79,878 | | 75.37% Impervious Area |

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

## Subcatchment P2: Proposed to Bio-2



## Summary for Subcatchment P3: Proposed to Bio-3

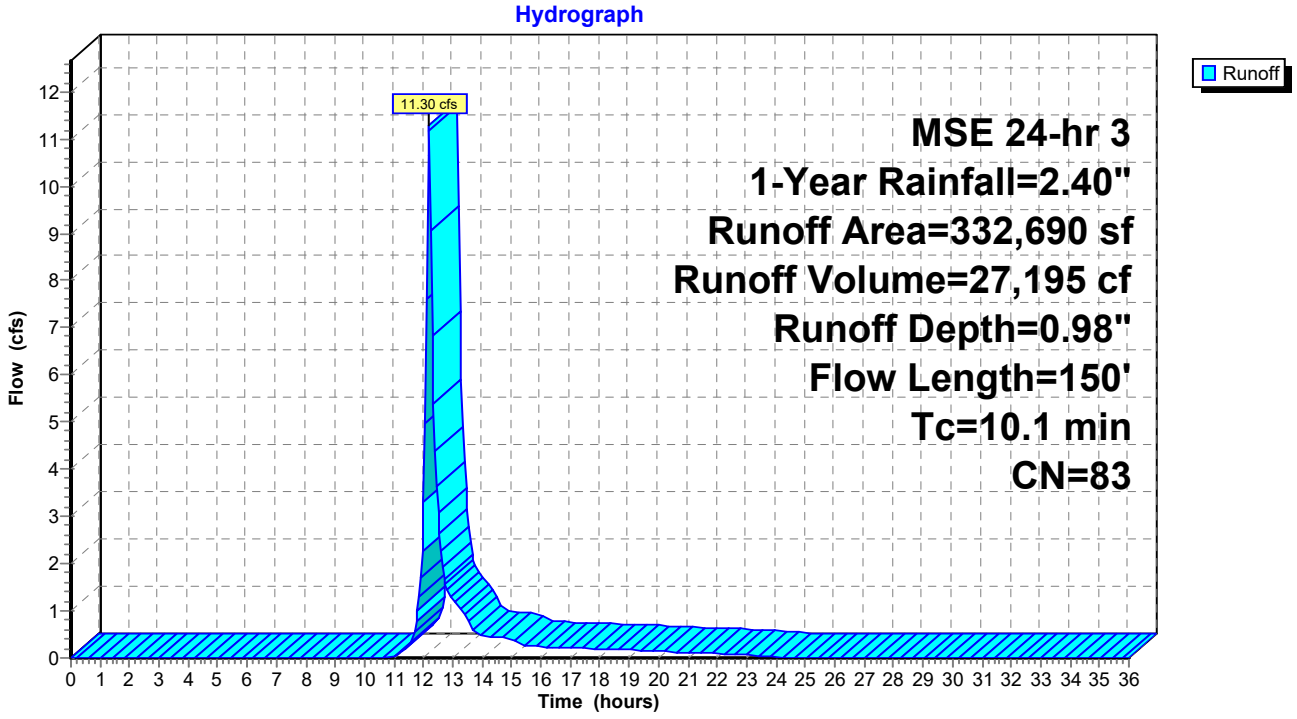
Runoff = 11.30 cfs @ 12.18 hrs, Volume= 27,195 cf, Depth= 0.98"
Routed to Pond B3 : Bioretention Basin-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1-Year Rainfall=2.40"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 112,471 | 98 | Roofs, HSG B |
| | 67,867 | 98 | Paved parking, HSG B |
| * | 15,465 | 98 | Sidewalks, HSG B |
| | 136,887 | 61 | >75% Grass cover, Good, HSG B |
| | 332,690 | 83 | Weighted Average |
| | 136,887 | | 41.15% Pervious Area |
| | 195,803 | | 58.85% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 9.8 | 100 | 0.0250 | 0.17 | | **Sheet Flow, Post-developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 0.3 | 50 | 0.1200 | 2.42 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow** Short Grass Pasture Kv= 7.0 fps |
| 10.1 | 150 | Total | | | |

## Subcatchment P3: Proposed to Bio-3



## Summary for Subcatchment P4: Proposed to Bio-4

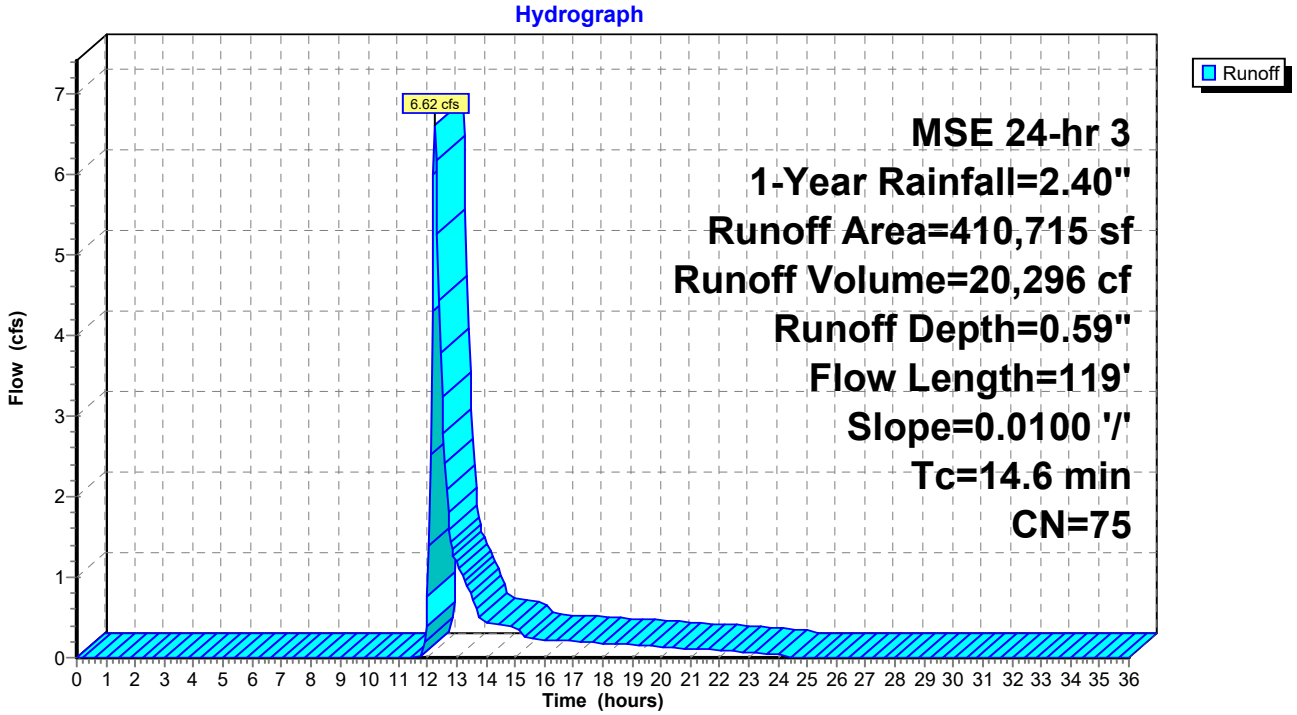
Runoff = 6.62 cfs @ 12.25 hrs, Volume= 20,296 cf, Depth= 0.59"
Routed to Pond B4 : Bioretention Basin-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1-Year Rainfall=2.40"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 92,179 | 98 | Paved parking, HSG B |
| * | 60,560 | 98 | Sidewalks, HSG B |
| | 257,976 | 61 | >75% Grass cover, Good, HSG B |
| | 410,715 | 75 | Weighted Average |
| | 257,976 | | 62.81% Pervious Area |
| | 152,739 | | 37.19% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Post-Developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 0.5 | 19 | 0.0100 | 0.70 | | **Shallow Concentrated Flow, Post-Developed Shallow Conc. Flow** Short Grass Pasture Kv= 7.0 fps |
| 14.6 | 119 | Total | | | |

## Subcatchment P4: Proposed to Bio-4



## Summary for Subcatchment P5: Uncaptured

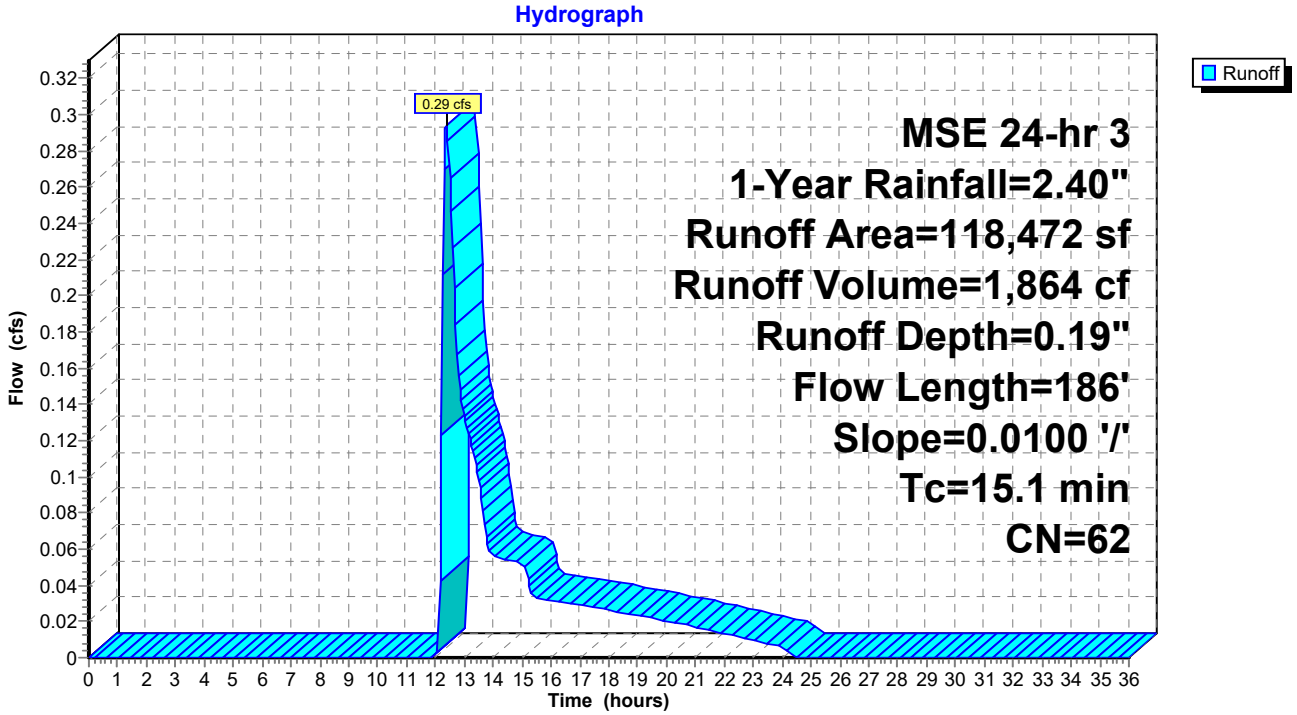
Runoff = 0.29 cfs @ 12.37 hrs, Volume= 1,864 cf, Depth= 0.19"
Routed to Link 2L : Total Proposed Outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1-Year Rainfall=2.40"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 981 | 98 | Paved parking, HSG B |
| * | 870 | 98 | Sidewalks, HSG B |
| | 116,621 | 61 | >75% Grass cover, Good, HSG B |
| | 118,472 | 62 | Weighted Average |
| | 116,621 | | 98.44% Pervious Area |
| | 1,851 | | 1.56% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Post-developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 1.0 | 86 | 0.0100 | 1.50 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow** Grassed Waterway Kv= 15.0 fps |
| 15.1 | 186 | Total | | | |

## Subcatchment P5: Uncaptured



## Summary for Pond B1: Bioretention Basin-1

Inflow Area = 160,309 sf, 53.74% Impervious, Inflow Depth = 0.87" for 1-Year event
Inflow = 4.11 cfs @ 12.24 hrs, Volume= 11,646 cf
Outflow = 1.39 cfs @ 12.57 hrs, Volume= 11,646 cf, Atten= 66%, Lag= 20.1 min
Discarded = 0.12 cfs @ 12.57 hrs, Volume= 4,566 cf
Primary = 1.27 cfs @ 12.57 hrs, Volume= 7,080 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 826.55' @ 12.57 hrs Surf.Area= 10,357 sf Storage= 3,948 cf

Plug-Flow detention time= 128.3 min calculated for 11,630 cf (100% of inflow)
Center-of-Mass det. time= 128.9 min ( 959.8 - 830.9 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 823.25' | 1,102 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>3,309 cf Overall x 33.3% Voids |
| #2 | 824.25' | 1,787 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>6,618 cf Overall x 27.0% Voids |
| #3 | 826.25' | 24,664 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 27,553 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.25 | 3,309 | 0 | 0 |
| 824.25 | 3,309 | 3,309 | 3,309 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.25 | 3,309 | 0 | 0 |
| 826.25 | 3,309 | 6,618 | 6,618 |

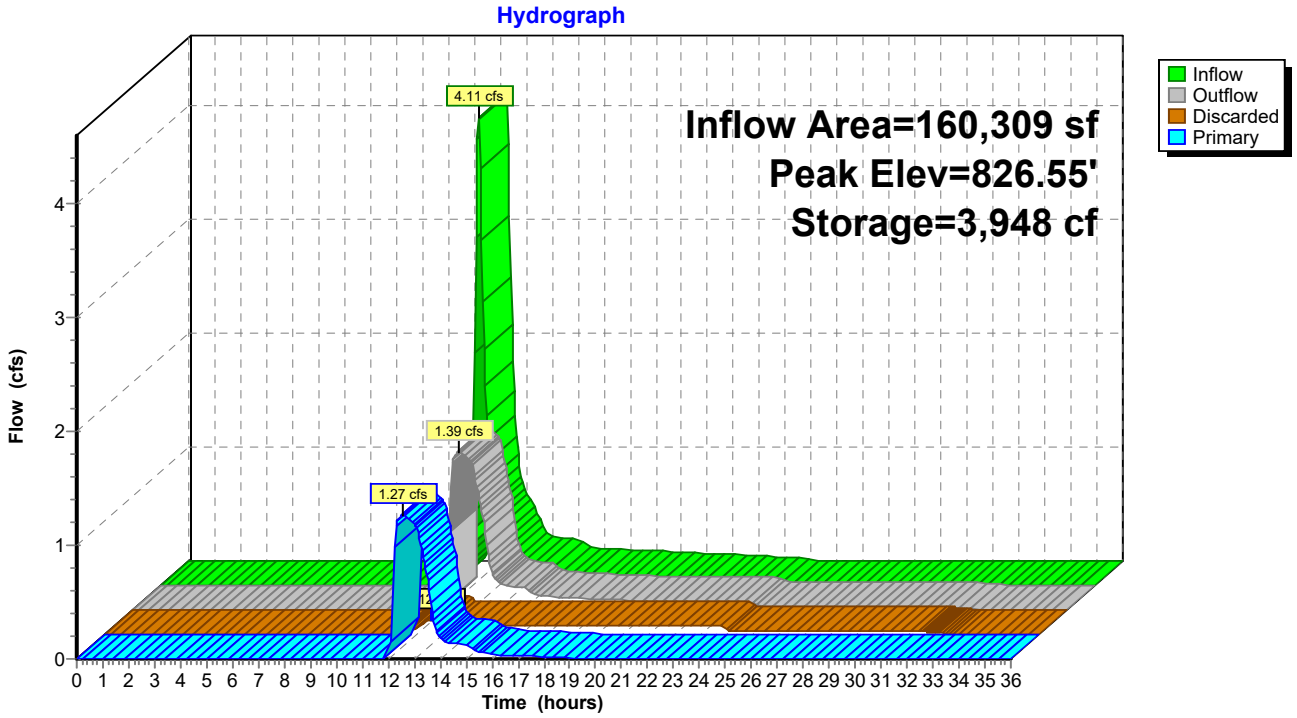
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 826.25 | 3,309 | 0 | 0 |
| 830.25 | 9,023 | 24,664 | 24,664 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.75' | **8.0" Round 8" Culvert**<br>L= 49.7' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.75' / 824.13' S= 0.0125 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.35 sf |
| #2 | Device 1 | 823.75' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 828.25' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 823.25' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.12 cfs @ 12.57 hrs HW=826.55' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.12 cfs)

**Primary OutFlow** Max=1.27 cfs @ 12.57 hrs HW=826.55' (Free Discharge)
└**1=8" Culvert** (Passes 1.27 cfs of 2.03 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.27 cfs @ 6.46 fps)
└**3=48" Standpipe** ( Controls 0.00 cfs)

## Pond B1: Bioretention Basin-1



## Summary for Pond B2: Bioretention Basin-2

Inflow Area = 105,983 sf, 75.37% Impervious, Inflow Depth = 1.37" for 1-Year event
Inflow = 5.91 cfs @ 12.13 hrs, Volume= 12,079 cf
Outflow = 1.72 cfs @ 12.33 hrs, Volume= 12,079 cf, Atten= 71%, Lag= 12.0 min
Discarded = 0.08 cfs @ 12.33 hrs, Volume= 1,884 cf
Primary = 1.64 cfs @ 12.33 hrs, Volume= 10,194 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 827.75' @ 12.33 hrs Surf.Area= 7,268 sf Storage= 3,802 cf

Plug-Flow detention time= 47.1 min calculated for 12,062 cf (100% of inflow)
Center-of-Mass det. time= 47.4 min ( 847.8 - 800.4 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 824.00' | 725 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>2,178 cf Overall x 33.3% Voids |
| #2 | 825.00' | 1,176 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>4,356 cf Overall x 27.0% Voids |
| #3 | 827.00' | 16,578 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 18,479 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.00 | 2,178 | 0 | 0 |
| 825.00 | 2,178 | 2,178 | 2,178 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 825.00 | 2,178 | 0 | 0 |
| 827.00 | 2,178 | 4,356 | 4,356 |

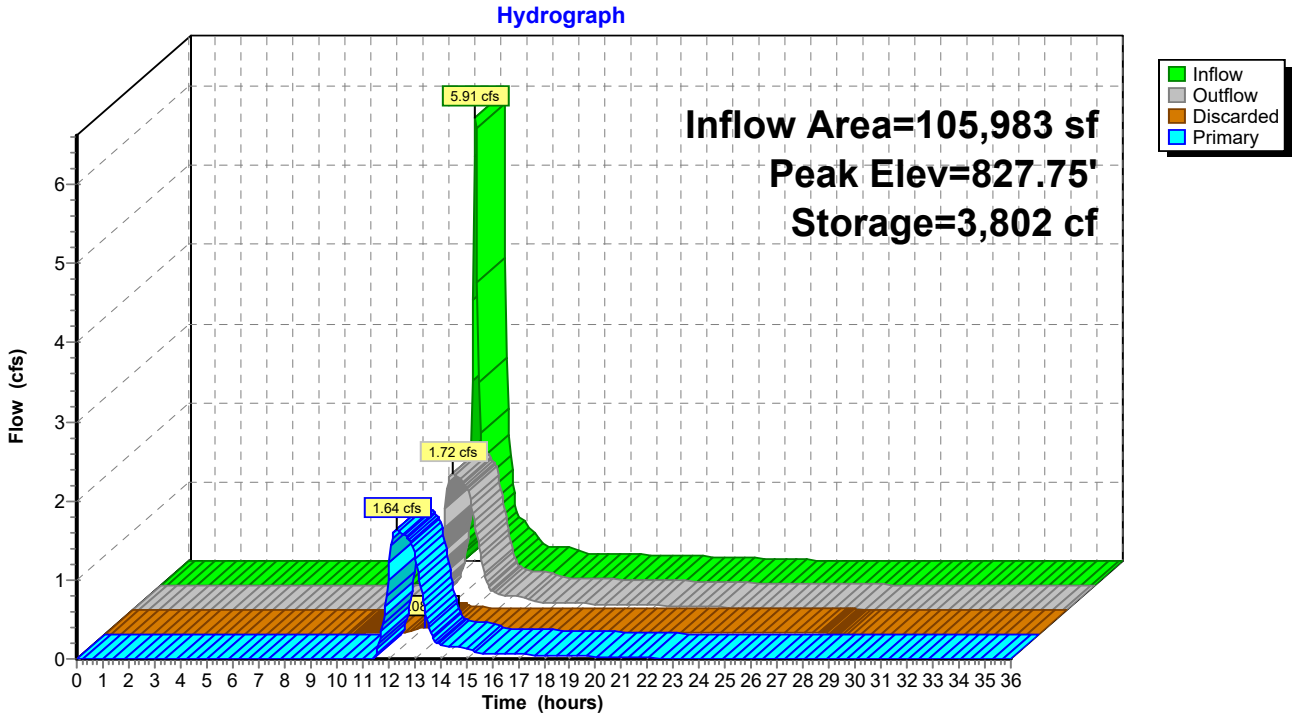
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 827.00 | 2,178 | 0 | 0 |
| 831.00 | 6,111 | 16,578 | 16,578 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.50' | **10.0" Round 10" Culvert**<br>L= 26.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.50' / 824.23' S= 0.0102 '/' Cc= 0.900<br>n= 0.012, Flow Area= 0.55 sf |
| #2 | Device 1 | 824.50' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 829.00' | **36.0" Horiz. 36" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 824.00' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.08 cfs @ 12.33 hrs HW=827.74' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.08 cfs)

**Primary OutFlow** Max=1.64 cfs @ 12.33 hrs HW=827.74' (Free Discharge)
└**1=10" Culvert** (Passes 1.64 cfs of 4.42 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.64 cfs @ 8.33 fps)
└**3=36" Standpipe** ( Controls 0.00 cfs)

## Pond B2: Bioretention Basin-2



## Summary for Pond B3: Bioretention Basin-3

Inflow Area = 332,690 sf, 58.85% Impervious, Inflow Depth = 0.98" for 1-Year event
Inflow = 11.30 cfs @ 12.18 hrs, Volume= 27,195 cf
Outflow = 1.86 cfs @ 12.66 hrs, Volume= 27,195 cf, Atten= 83%, Lag= 28.8 min
Discarded = 0.36 cfs @ 12.66 hrs, Volume= 9,099 cf
Primary = 1.50 cfs @ 12.66 hrs, Volume= 18,097 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 825.28' @ 12.66 hrs Surf.Area= 31,145 sf Storage= 11,829 cf

Plug-Flow detention time= 110.2 min calculated for 27,158 cf (100% of inflow)
Center-of-Mass det. time= 110.5 min ( 931.9 - 821.4 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 822.00' | 3,381 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>10,153 cf Overall x 33.3% Voids |
| #2 | 823.00' | 5,483 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>20,306 cf Overall x 27.0% Voids |
| #3 | 825.00' | 60,038 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 68,902 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 822.00 | 10,153 | 0 | 0 |
| 823.00 | 10,153 | 10,153 | 10,153 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.00 | 10,153 | 0 | 0 |
| 825.00 | 10,153 | 20,306 | 20,306 |

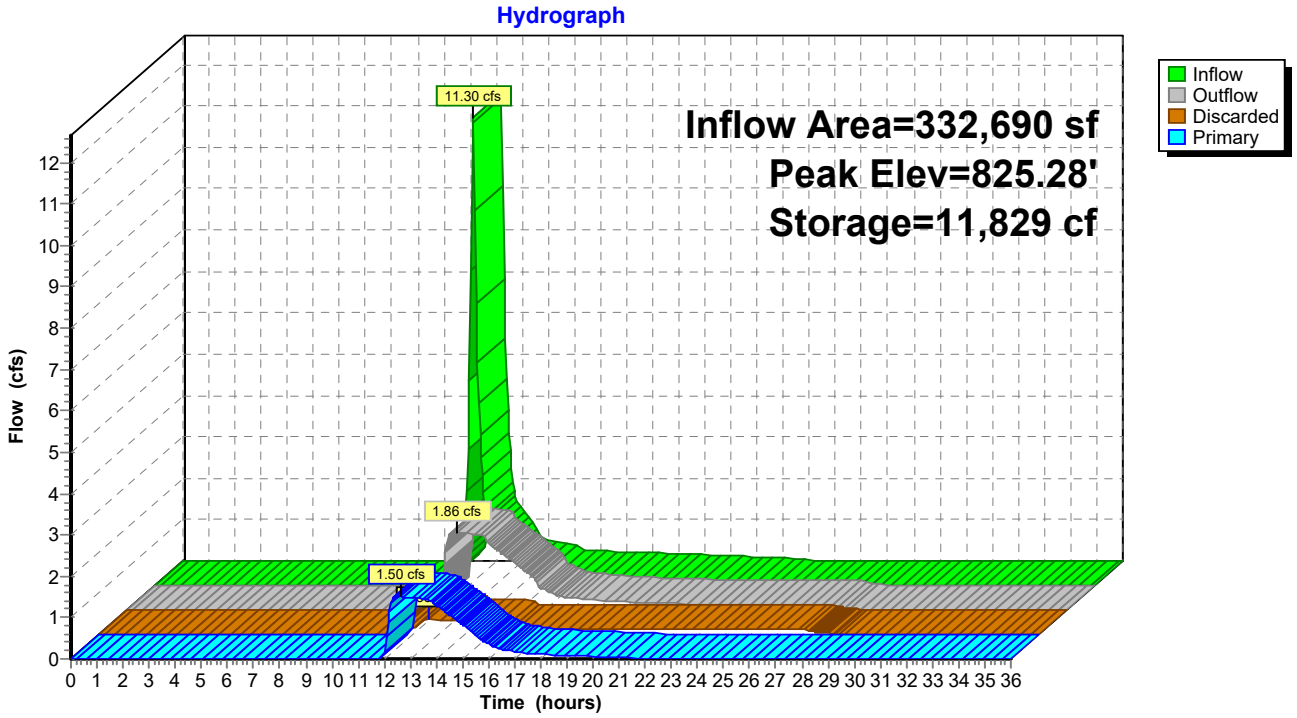
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 825.00 | 10,153 | 0 | 0 |
| 829.00 | 19,866 | 60,038 | 60,038 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 822.50' | **10.0" Round 10" Culvert**<br>L= 433.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 822.50' / 820.88' S= 0.0037 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |
| #2 | Device 1 | 822.50' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 827.00' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 822.00' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.36 cfs @ 12.66 hrs HW=825.28' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.36 cfs)

**Primary OutFlow** Max=1.50 cfs @ 12.66 hrs HW=825.28' (Free Discharge)
└**1=10" Culvert** (Passes 1.50 cfs of 2.41 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.50 cfs @ 7.66 fps)
└**3=48" Standpipe** ( Controls 0.00 cfs)

## Pond B3: Bioretention Basin-3



## Summary for Pond B4: Bioretention Basin-4

Inflow Area = 410,715 sf, 37.19% Impervious, Inflow Depth = 0.59" for 1-Year event
Inflow = 6.62 cfs @ 12.25 hrs, Volume= 20,296 cf
Outflow = 1.59 cfs @ 12.76 hrs, Volume= 20,296 cf, Atten= 76%, Lag= 30.1 min
Discarded = 0.31 cfs @ 12.76 hrs, Volume= 7,258 cf
Primary = 1.28 cfs @ 12.76 hrs, Volume= 13,038 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 826.07' @ 12.76 hrs Surf.Area= 26,850 sf Storage= 7,200 cf

Plug-Flow detention time= 106.1 min calculated for 20,296 cf (100% of inflow)
Center-of-Mass det. time= 105.8 min ( 954.5 - 848.7 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 823.50' | 2,962 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>8,894 cf Overall x 33.3% Voids |
| #2 | 824.50' | 3,602 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>13,341 cf Overall x 27.0% Voids |
| #3 | 826.00' | 54,570 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 61,134 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.50 | 8,894 | 0 | 0 |
| 824.50 | 8,894 | 8,894 | 8,894 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.50 | 8,894 | 0 | 0 |
| 826.00 | 8,894 | 13,341 | 13,341 |

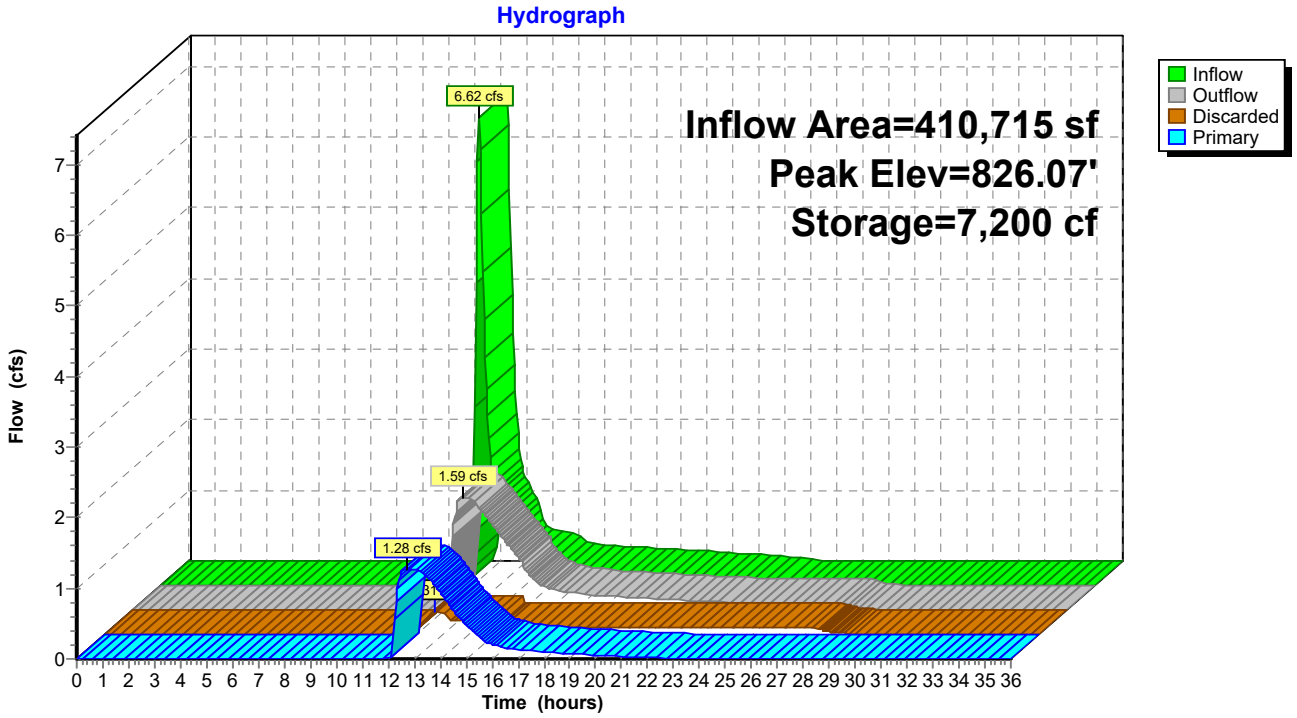
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 826.00 | 8,894 | 0 | 0 |
| 830.00 | 18,391 | 54,570 | 54,570 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.00' | **10.0" Round 10" Culvert**<br>L= 70.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.00' / 823.86' S= 0.0020 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |
| #2 | Device 1 | 824.00' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 828.00' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 823.50' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.31 cfs @ 12.76 hrs HW=826.07' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.31 cfs)

**Primary OutFlow** Max=1.28 cfs @ 12.76 hrs HW=826.07' (Free Discharge)
└**1=10" Culvert** (Passes 1.28 cfs of 2.88 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.28 cfs @ 6.50 fps)
└**3=48" Standpipe** ( Controls 0.00 cfs)

## Pond B4: Bioretention Basin-4

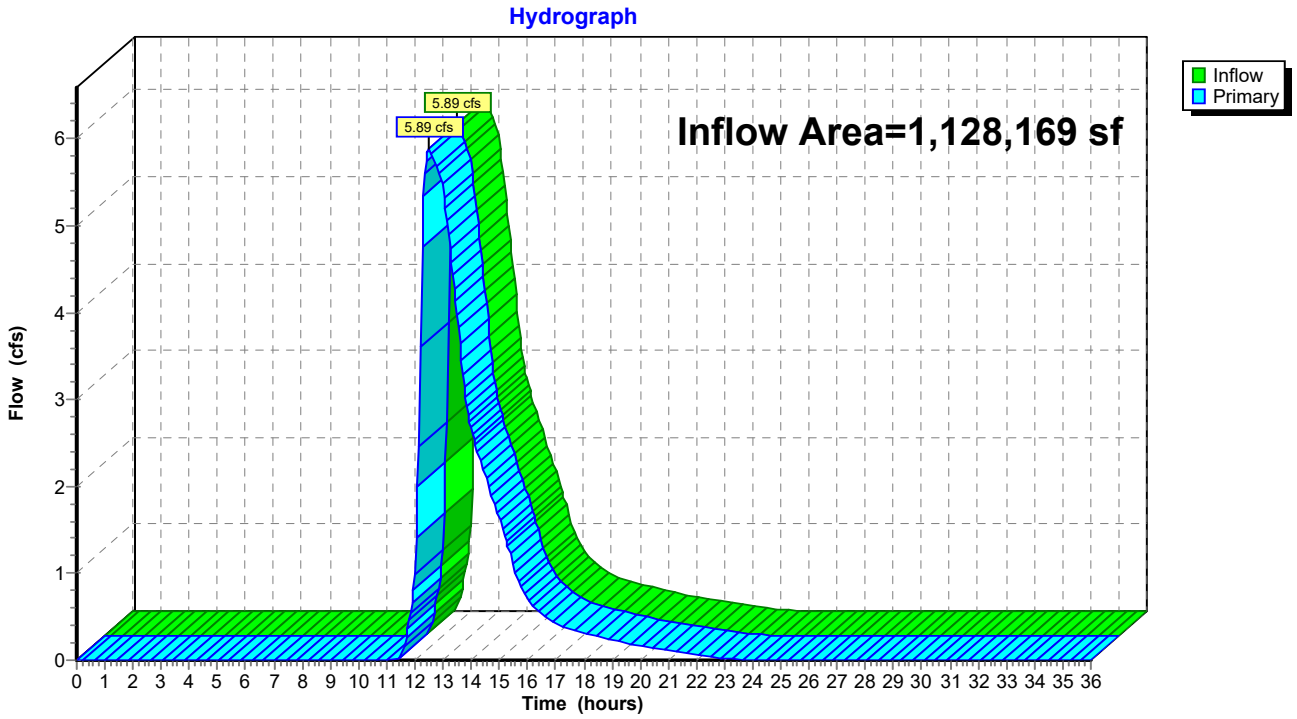


## Summary for Link 2L: Total Proposed Outfall

Inflow Area = 1,128,169 sf, 45.78% Impervious, Inflow Depth = 0.53" for 1-Year event
Inflow = 5.89 cfs @ 12.52 hrs, Volume= 50,273 cf
Primary = 5.89 cfs @ 12.52 hrs, Volume= 50,273 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

## Link 2L: Total Proposed Outfall



Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment P1: Proposed to Bio-1** Runoff Area=160,309 sf 53.74% Impervious Runoff Depth=1.09"
Flow Length=347' Tc=14.3 min CN=81 Runoff=5.18 cfs 14,527 cf

**Subcatchment P2: Proposed to Bio-2** Runoff Area=105,983 sf 75.37% Impervious Runoff Depth=1.63"
Tc=6.0 min CN=89 Runoff=7.01 cfs 14,405 cf

**Subcatchment P3: Proposed to Bio-3** Runoff Area=332,690 sf 58.85% Impervious Runoff Depth=1.21"
Flow Length=150' Tc=10.1 min CN=83 Runoff=13.98 cfs 33,521 cf

**Subcatchment P4: Proposed to Bio-4** Runoff Area=410,715 sf 37.19% Impervious Runoff Depth=0.77"
Flow Length=119' Slope=0.0100 '/' Tc=14.6 min CN=75 Runoff=8.91 cfs 26,368 cf

**Subcatchment P5: Uncaptured** Runoff Area=118,472 sf 1.56% Impervious Runoff Depth=0.29"
Flow Length=186' Slope=0.0100 '/' Tc=15.1 min CN=62 Runoff=0.58 cfs 2,822 cf

**Pond B1: Bioretention Basin-1** Peak Elev=826.89' Storage=5,297 cf Inflow=5.18 cfs 14,527 cf
Discarded=0.13 cfs 4,835 cf Primary=1.38 cfs 9,693 cf Outflow=1.51 cfs 14,527 cf

**Pond B2: Bioretention Basin-2** Peak Elev=828.06' Storage=4,749 cf Inflow=7.01 cfs 14,405 cf
Discarded=0.09 cfs 2,002 cf Primary=1.72 cfs 12,403 cf Outflow=1.81 cfs 14,405 cf

**Pond B3: Bioretention Basin-3** Peak Elev=825.60' Storage=15,433 cf Inflow=13.98 cfs 33,521 cf
Discarded=0.37 cfs 10,167 cf Primary=1.60 cfs 23,355 cf Outflow=1.97 cfs 33,521 cf

**Pond B4: Bioretention Basin-4** Peak Elev=826.40' Storage=10,309 cf Inflow=8.91 cfs 26,368 cf
Discarded=0.32 cfs 8,240 cf Primary=1.39 cfs 18,127 cf Outflow=1.71 cfs 26,368 cf

**Link 2L: Total Proposed Outfall** Inflow=6.46 cfs 66,400 cf
Primary=6.46 cfs 66,400 cf

**Total Runoff Area = 1,128,169 sf Runoff Volume = 91,643 cf Average Runoff Depth = 0.97"**
**54.22% Pervious = 611,745 sf 45.78% Impervious = 516,424 sf**

## Summary for Subcatchment P1: Proposed to Bio-1

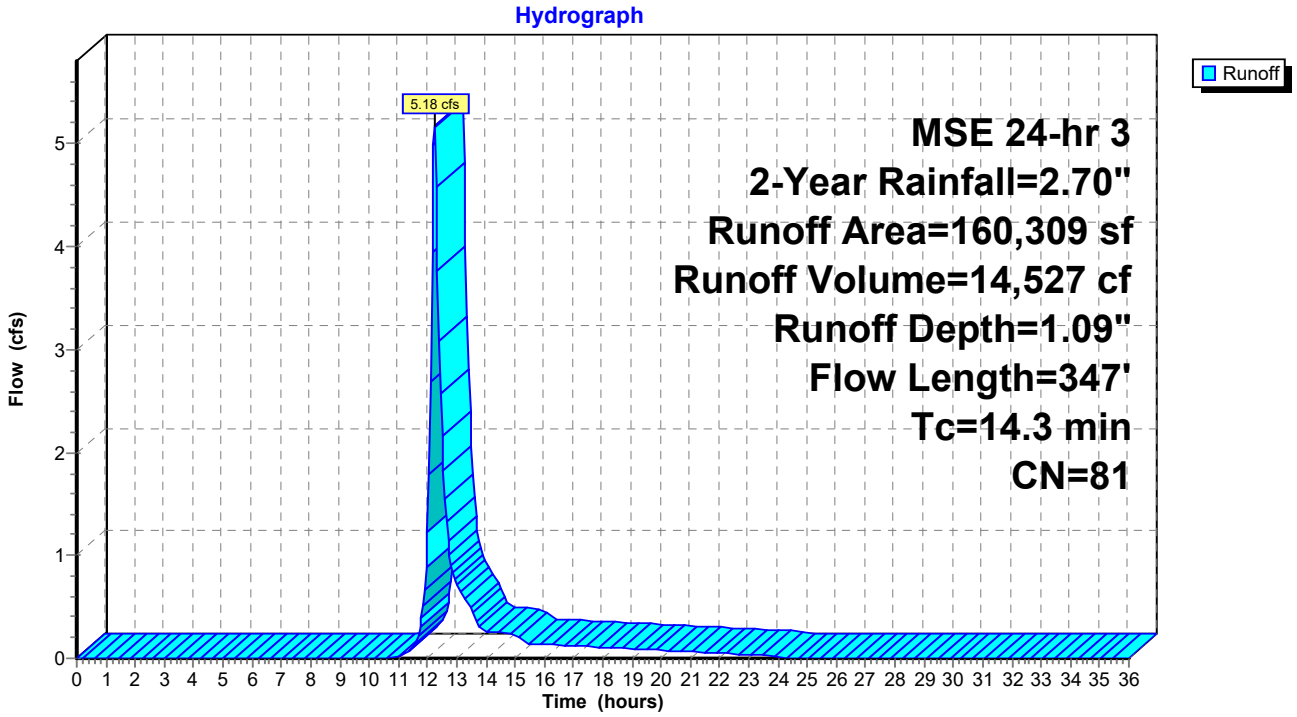
Runoff = 5.18 cfs @ 12.24 hrs, Volume= 14,527 cf, Depth= 1.09"
Routed to Pond B1 : Bioretention Basin-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2-Year Rainfall=2.70"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 76,705 | 98 | Paved parking, HSG B |
| * | 9,448 | 98 | Sidewalks, HSG B |
| | 74,156 | 61 | >75% Grass cover, Good, HSG B |
| | 160,309 | 81 | Weighted Average |
| | 74,156 | | 46.26% Pervious Area |
| | 86,153 | | 53.74% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.3 | 11 | 0.0150 | 0.72 | | **Sheet Flow, Post-developed Sheet Flow-1**<br>Smooth surfaces n= 0.011 P2= 2.70" |
| 10.4 | 89 | 0.0168 | 0.14 | | **Sheet Flow, Post-developed Sheet Flow-2**<br>Grass: Short n= 0.150 P2= 2.70" |
| 3.2 | 194 | 0.0206 | 1.00 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flov**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.4 | 53 | 0.1170 | 2.39 | | **Shallow Concentrated Flow, ost-developed Shallow Conc. Flow-**<br>Short Grass Pasture Kv= 7.0 fps |
| 14.3 | 347 | Total | | | |

## Subcatchment P1: Proposed to Bio-1



## Summary for Subcatchment P2: Proposed to Bio-2

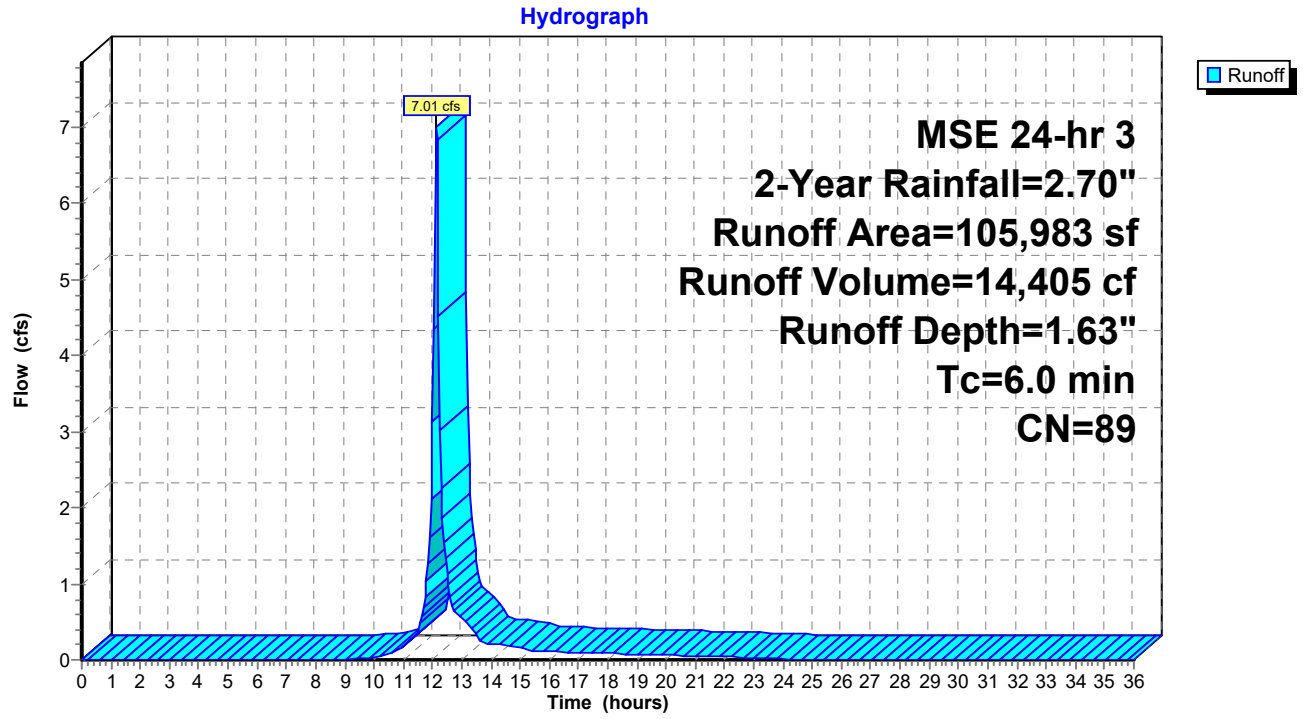
Runoff = 7.01 cfs @ 12.13 hrs, Volume= 14,405 cf, Depth= 1.63"
Routed to Pond B2 : Bioretention Basin-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2-Year Rainfall=2.70"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 45,039 | 98 | Roofs, HSG B |
| | 29,686 | 98 | Paved parking, HSG B |
| * | 5,153 | 98 | Sidewalks, HSG B |
| | 26,105 | 61 | >75% Grass cover, Good, HSG B |
| | 105,983 | 89 | Weighted Average |
| | 26,105 | | 24.63% Pervious Area |
| | 79,878 | | 75.37% Impervious Area |

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

## Subcatchment P2: Proposed to Bio-2



## Summary for Subcatchment P3: Proposed to Bio-3

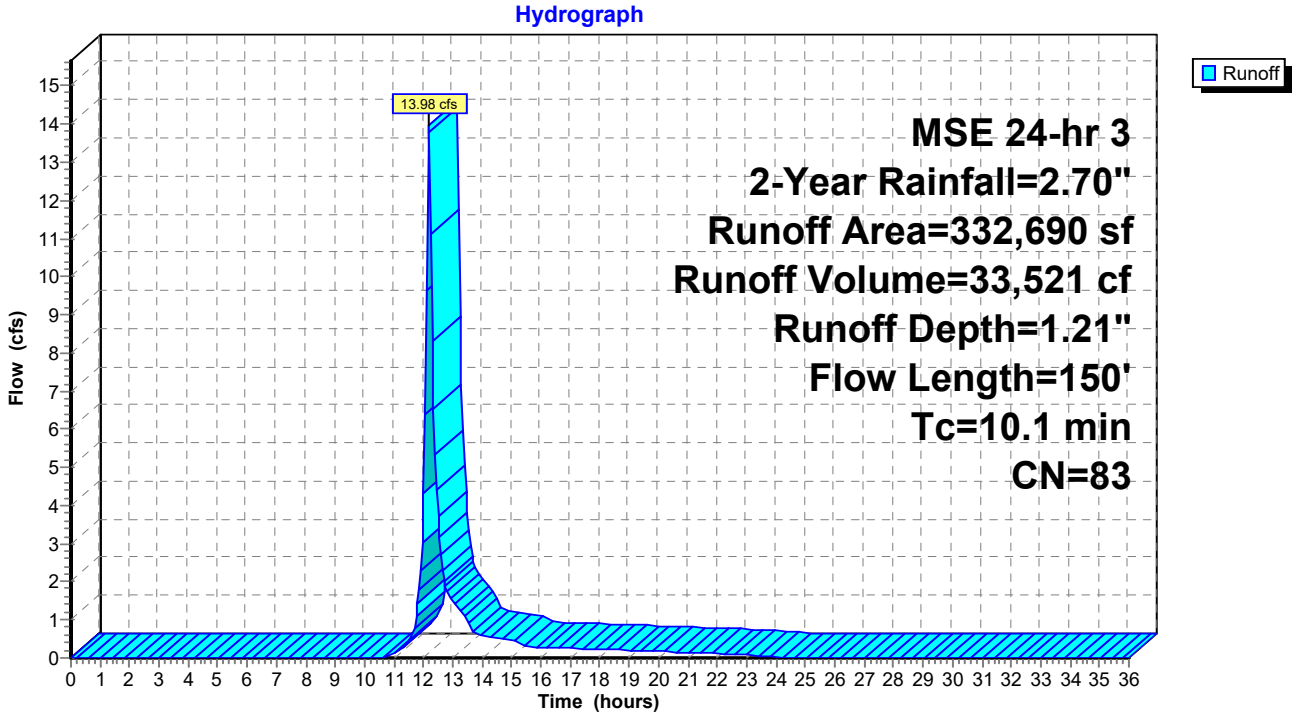
Runoff = 13.98 cfs @ 12.18 hrs, Volume= 33,521 cf, Depth= 1.21"
Routed to Pond B3 : Bioretention Basin-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2-Year Rainfall=2.70"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 112,471 | 98 | Roofs, HSG B |
| | 67,867 | 98 | Paved parking, HSG B |
| * | 15,465 | 98 | Sidewalks, HSG B |
| | 136,887 | 61 | >75% Grass cover, Good, HSG B |
| | 332,690 | 83 | Weighted Average |
| | 136,887 | | 41.15% Pervious Area |
| | 195,803 | | 58.85% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 9.8 | 100 | 0.0250 | 0.17 | | **Sheet Flow, Post-developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 0.3 | 50 | 0.1200 | 2.42 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow** Short Grass Pasture Kv= 7.0 fps |
| 10.1 | 150 | Total | | | |

## Subcatchment P3: Proposed to Bio-3



## Summary for Subcatchment P4: Proposed to Bio-4

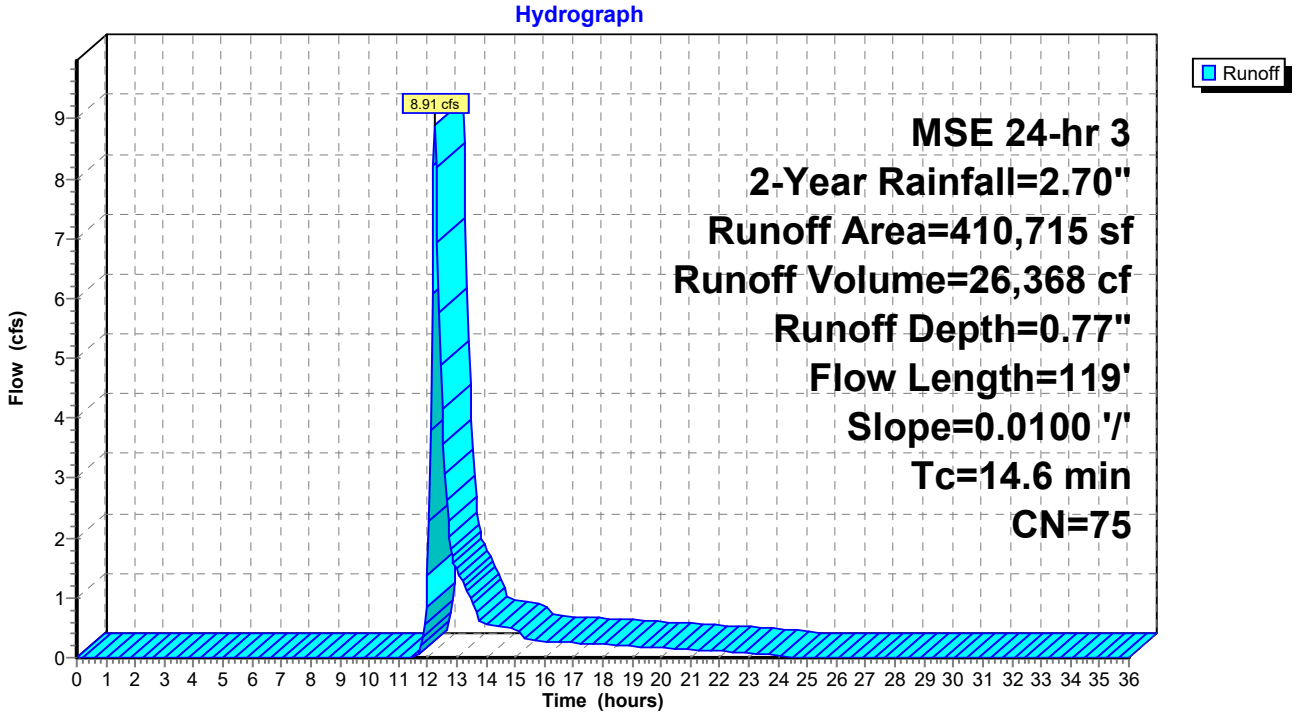
Runoff = 8.91 cfs @ 12.25 hrs, Volume= 26,368 cf, Depth= 0.77"
Routed to Pond B4 : Bioretention Basin-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2-Year Rainfall=2.70"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 92,179 | 98 | Paved parking, HSG B |
| * | 60,560 | 98 | Sidewalks, HSG B |
| | 257,976 | 61 | >75% Grass cover, Good, HSG B |
| | 410,715 | 75 | Weighted Average |
| | 257,976 | | 62.81% Pervious Area |
| | 152,739 | | 37.19% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Post-Developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 0.5 | 19 | 0.0100 | 0.70 | | **Shallow Concentrated Flow, Post-Developed Shallow Conc. Flow** Short Grass Pasture Kv= 7.0 fps |
| 14.6 | 119 | Total | | | |

## Subcatchment P4: Proposed to Bio-4



## Summary for Subcatchment P5: Uncaptured

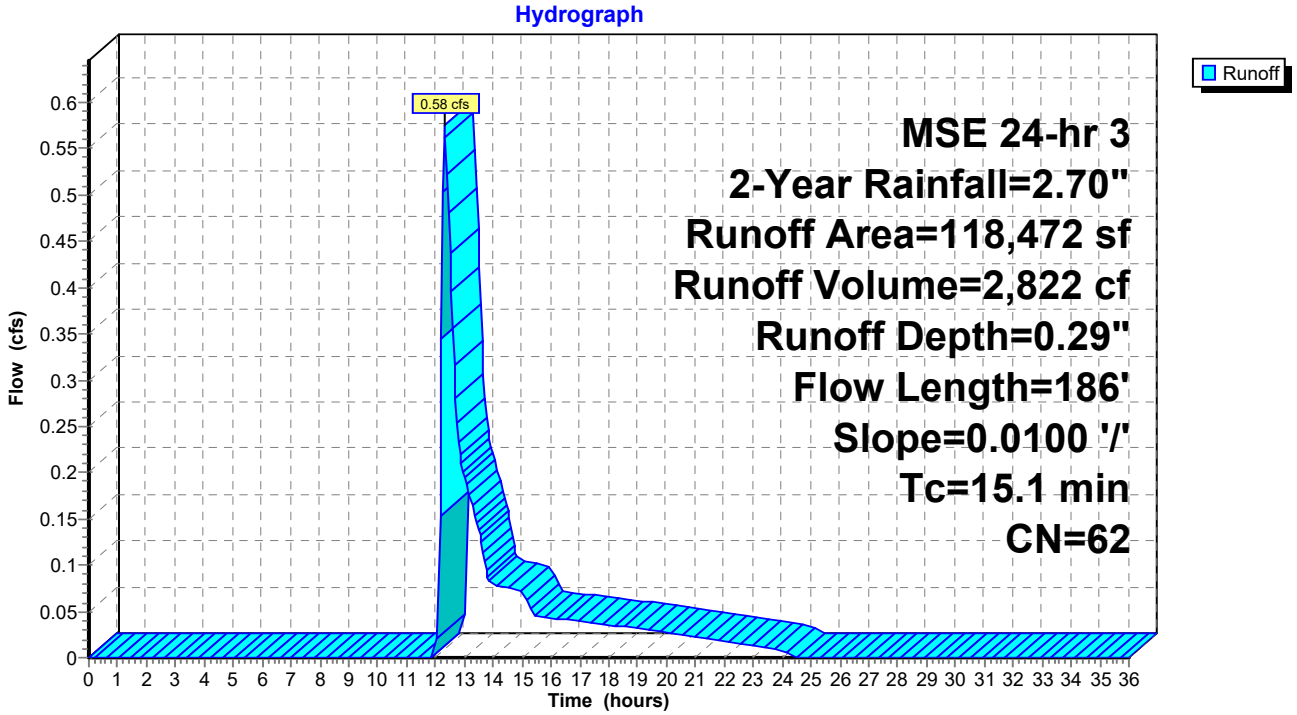
Runoff = 0.58 cfs @ 12.32 hrs, Volume= 2,822 cf, Depth= 0.29"
Routed to Link 2L : Total Proposed Outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2-Year Rainfall=2.70"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 981 | 98 | Paved parking, HSG B |
| * | 870 | 98 | Sidewalks, HSG B |
| | 116,621 | 61 | >75% Grass cover, Good, HSG B |
| | 118,472 | 62 | Weighted Average |
| | 116,621 | | 98.44% Pervious Area |
| | 1,851 | | 1.56% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Post-developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 1.0 | 86 | 0.0100 | 1.50 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow** Grassed Waterway Kv= 15.0 fps |
| 15.1 | 186 | Total | | | |

## Subcatchment P5: Uncaptured



## Summary for Pond B1: Bioretention Basin-1

Inflow Area = 160,309 sf, 53.74% Impervious, Inflow Depth = 1.09" for 2-Year event
Inflow = 5.18 cfs @ 12.24 hrs, Volume= 14,527 cf
Outflow = 1.51 cfs @ 12.61 hrs, Volume= 14,527 cf, Atten= 71%, Lag= 22.5 min
Discarded = 0.13 cfs @ 12.61 hrs, Volume= 4,835 cf
Primary = 1.38 cfs @ 12.61 hrs, Volume= 9,693 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 826.89' @ 12.61 hrs Surf.Area= 10,840 sf Storage= 5,297 cf

Plug-Flow detention time= 116.4 min calculated for 14,527 cf (100% of inflow)
Center-of-Mass det. time= 116.3 min ( 942.3 - 826.0 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 823.25' | 1,102 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>3,309 cf Overall x 33.3% Voids |
| #2 | 824.25' | 1,787 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>6,618 cf Overall x 27.0% Voids |
| #3 | 826.25' | 24,664 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 27,553 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.25 | 3,309 | 0 | 0 |
| 824.25 | 3,309 | 3,309 | 3,309 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.25 | 3,309 | 0 | 0 |
| 826.25 | 3,309 | 6,618 | 6,618 |

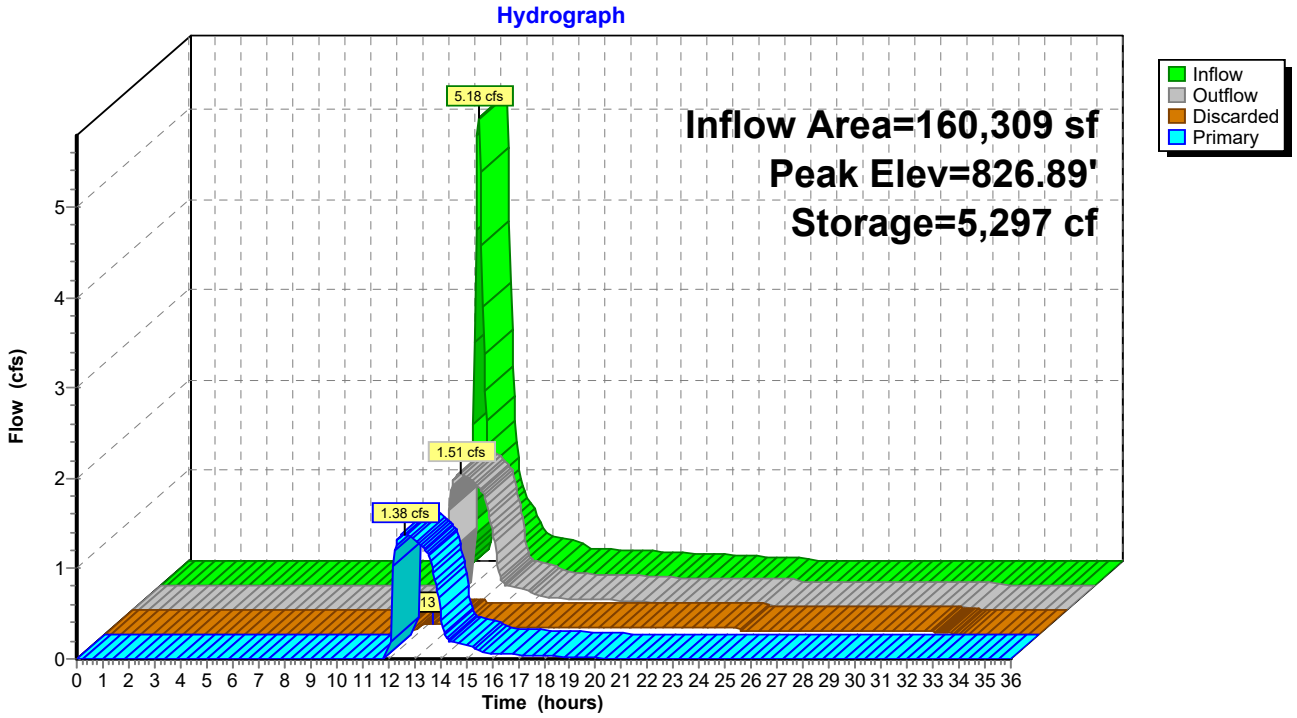
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 826.25 | 3,309 | 0 | 0 |
| 830.25 | 9,023 | 24,664 | 24,664 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.75' | **8.0" Round 8" Culvert**<br>L= 49.7' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.75' / 824.13' S= 0.0125 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.35 sf |
| #2 | Device 1 | 823.75' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 828.25' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 823.25' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.13 cfs @ 12.61 hrs HW=826.89' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.13 cfs)

**Primary OutFlow** Max=1.38 cfs @ 12.61 hrs HW=826.89' (Free Discharge)
└**1=8" Culvert** (Passes 1.38 cfs of 2.26 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.38 cfs @ 7.04 fps)
└**3=48" Standpipe** ( Controls 0.00 cfs)

## Pond B1: Bioretention Basin-1



## Summary for Pond B2: Bioretention Basin-2

Inflow Area = 105,983 sf, 75.37% Impervious, Inflow Depth = 1.63" for 2-Year event
Inflow = 7.01 cfs @ 12.13 hrs, Volume= 14,405 cf
Outflow = 1.81 cfs @ 12.36 hrs, Volume= 14,405 cf, Atten= 74%, Lag= 13.7 min
Discarded = 0.09 cfs @ 12.36 hrs, Volume= 2,002 cf
Primary = 1.72 cfs @ 12.36 hrs, Volume= 12,403 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 828.06' @ 12.36 hrs Surf.Area= 7,572 sf Storage= 4,749 cf

Plug-Flow detention time= 46.3 min calculated for 14,385 cf (100% of inflow)
Center-of-Mass det. time= 46.6 min ( 843.5 - 796.9 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 824.00' | 725 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>2,178 cf Overall x 33.3% Voids |
| #2 | 825.00' | 1,176 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>4,356 cf Overall x 27.0% Voids |
| #3 | 827.00' | 16,578 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 18,479 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.00 | 2,178 | 0 | 0 |
| 825.00 | 2,178 | 2,178 | 2,178 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 825.00 | 2,178 | 0 | 0 |
| 827.00 | 2,178 | 4,356 | 4,356 |

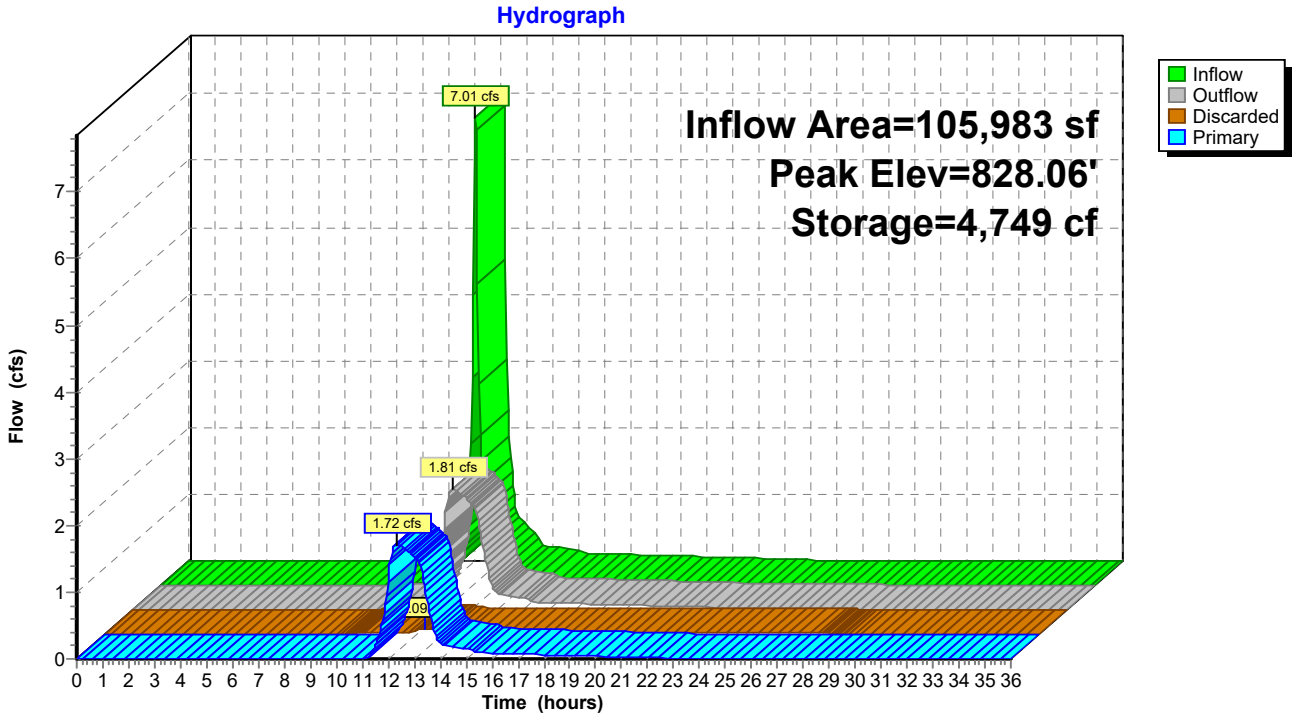
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 827.00 | 2,178 | 0 | 0 |
| 831.00 | 6,111 | 16,578 | 16,578 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.50' | **10.0" Round 10" Culvert**<br>L= 26.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.50' / 824.23' S= 0.0102 '/' Cc= 0.900<br>n= 0.012, Flow Area= 0.55 sf |
| #2 | Device 1 | 824.50' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 829.00' | **36.0" Horiz. 36" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 824.00' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.09 cfs @ 12.36 hrs HW=828.05' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.09 cfs)

**Primary OutFlow** Max=1.72 cfs @ 12.36 hrs HW=828.05' (Free Discharge)
└**1=10" Culvert** (Passes 1.72 cfs of 4.65 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.72 cfs @ 8.75 fps)
└**3=36" Standpipe** ( Controls 0.00 cfs)

## Pond B2: Bioretention Basin-2



## Summary for Pond B3: Bioretention Basin-3

Inflow Area = 332,690 sf, 58.85% Impervious, Inflow Depth = 1.21" for 2-Year event
Inflow = 13.98 cfs @ 12.18 hrs, Volume= 33,521 cf
Outflow = 1.97 cfs @ 12.72 hrs, Volume= 33,521 cf, Atten= 86%, Lag= 32.2 min
Discarded = 0.37 cfs @ 12.72 hrs, Volume= 10,167 cf
Primary = 1.60 cfs @ 12.72 hrs, Volume= 23,355 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 825.60' @ 12.72 hrs Surf.Area= 31,925 sf Storage= 15,433 cf

Plug-Flow detention time= 115.8 min calculated for 33,521 cf (100% of inflow)
Center-of-Mass det. time= 115.6 min ( 932.6 - 817.0 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 822.00' | 3,381 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>10,153 cf Overall x 33.3% Voids |
| #2 | 823.00' | 5,483 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>20,306 cf Overall x 27.0% Voids |
| #3 | 825.00' | 60,038 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 68,902 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 822.00 | 10,153 | 0 | 0 |
| 823.00 | 10,153 | 10,153 | 10,153 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.00 | 10,153 | 0 | 0 |
| 825.00 | 10,153 | 20,306 | 20,306 |

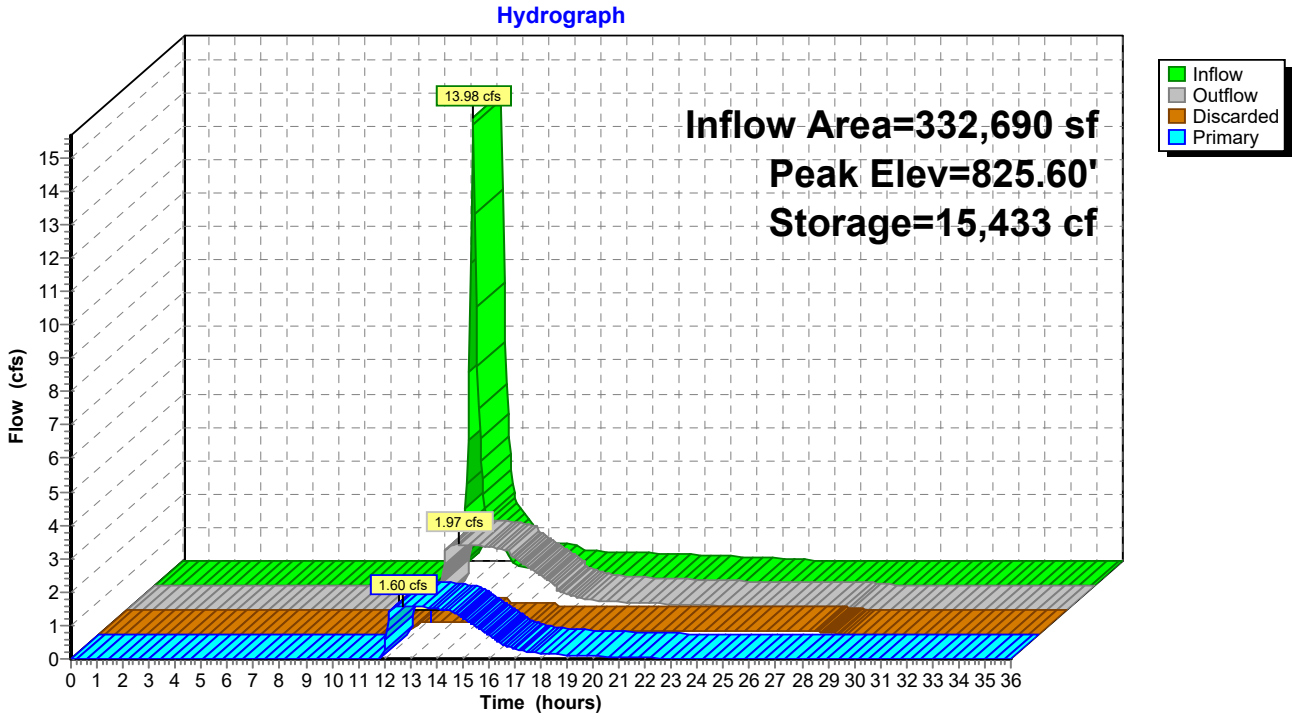
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 825.00 | 10,153 | 0 | 0 |
| 829.00 | 19,866 | 60,038 | 60,038 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 822.50' | **10.0" Round 10" Culvert**<br>L= 433.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 822.50' / 820.88' S= 0.0037 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |
| #2 | Device 1 | 822.50' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 827.00' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 822.00' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.37 cfs @ 12.72 hrs HW=825.60' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.37 cfs)

**Primary OutFlow** Max=1.60 cfs @ 12.72 hrs HW=825.60' (Free Discharge)
└**1=10" Culvert** (Passes 1.60 cfs of 2.52 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.60 cfs @ 8.13 fps)
└**3=48" Standpipe** ( Controls 0.00 cfs)

## Pond B3: Bioretention Basin-3



## Summary for Pond B4: Bioretention Basin-4

Inflow Area = 410,715 sf, 37.19% Impervious, Inflow Depth = 0.77" for 2-Year event
Inflow = 8.91 cfs @ 12.25 hrs, Volume= 26,368 cf
Outflow = 1.71 cfs @ 12.84 hrs, Volume= 26,368 cf, Atten= 81%, Lag= 35.7 min
Discarded = 0.32 cfs @ 12.84 hrs, Volume= 8,240 cf
Primary = 1.39 cfs @ 12.84 hrs, Volume= 18,127 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 826.40' @ 12.84 hrs Surf.Area= 27,631 sf Storage= 10,309 cf

Plug-Flow detention time= 105.1 min calculated for 26,368 cf (100% of inflow)
Center-of-Mass det. time= 104.9 min ( 947.1 - 842.2 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 823.50' | 2,962 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>8,894 cf Overall x 33.3% Voids |
| #2 | 824.50' | 3,602 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>13,341 cf Overall x 27.0% Voids |
| #3 | 826.00' | 54,570 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 61,134 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.50 | 8,894 | 0 | 0 |
| 824.50 | 8,894 | 8,894 | 8,894 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.50 | 8,894 | 0 | 0 |
| 826.00 | 8,894 | 13,341 | 13,341 |

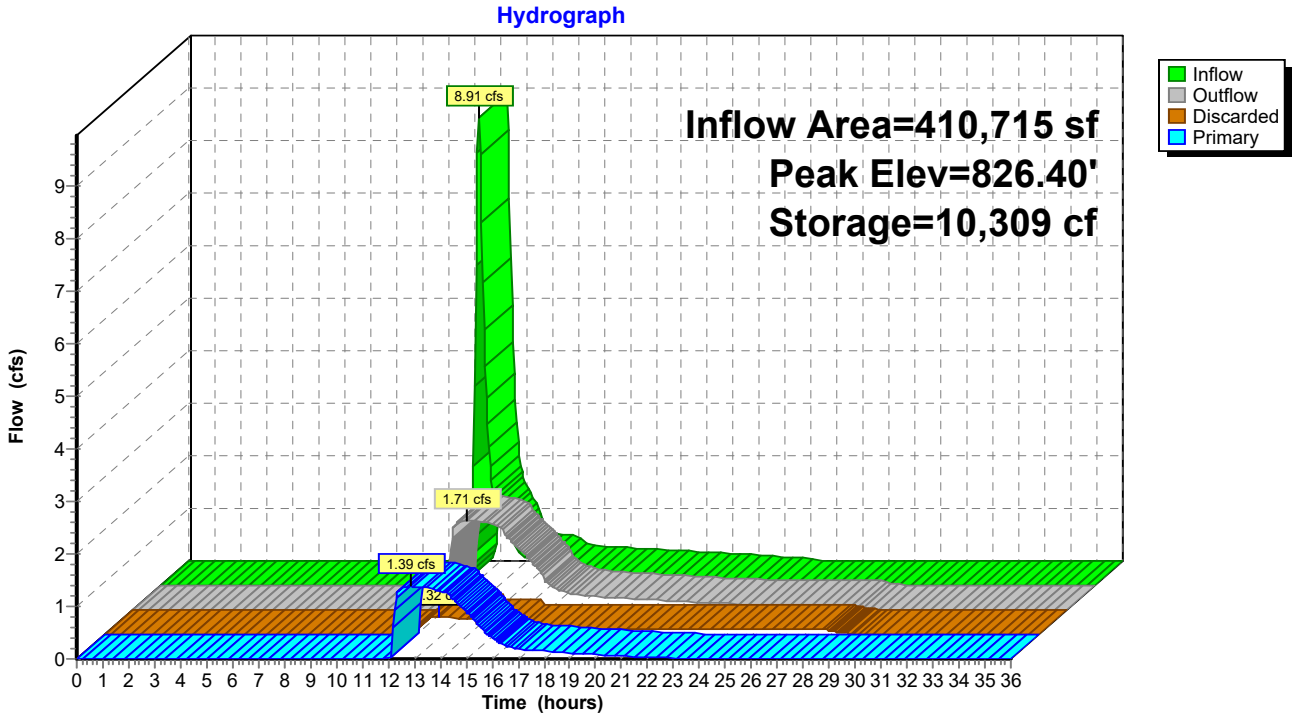
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 826.00 | 8,894 | 0 | 0 |
| 830.00 | 18,391 | 54,570 | 54,570 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.00' | **10.0" Round 10" Culvert**<br>L= 70.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.00' / 823.86' S= 0.0020 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |
| #2 | Device 1 | 824.00' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 828.00' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 823.50' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.32 cfs @ 12.84 hrs HW=826.40' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.32 cfs)

**Primary OutFlow** Max=1.39 cfs @ 12.84 hrs HW=826.40' (Free Discharge)
└**1=10" Culvert** (Passes 1.39 cfs of 3.21 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.39 cfs @ 7.06 fps)
└**3=48" Standpipe** ( Controls 0.00 cfs)

## Pond B4: Bioretention Basin-4

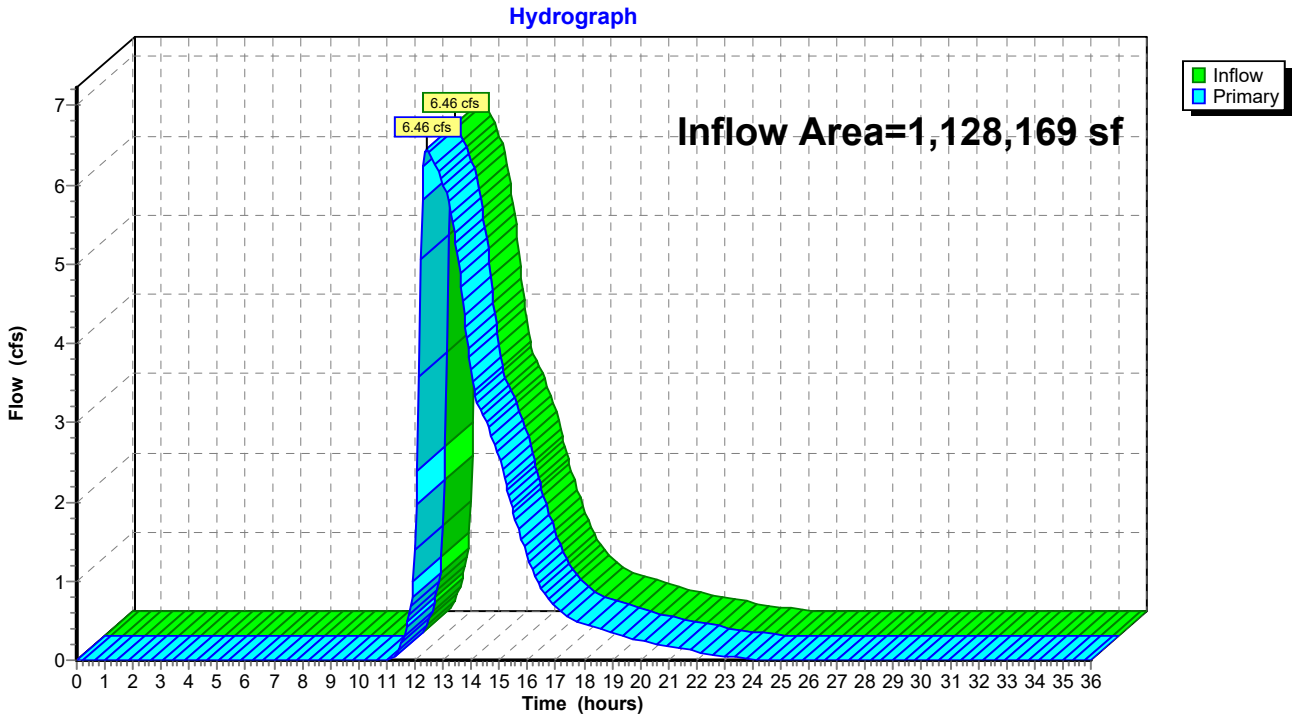


## Summary for Link 2L: Total Proposed Outfall

Inflow Area = 1,128,169 sf, 45.78% Impervious, Inflow Depth = 0.71" for 2-Year event
Inflow = 6.46 cfs @ 12.45 hrs, Volume= 66,400 cf
Primary = 6.46 cfs @ 12.45 hrs, Volume= 66,400 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

## Link 2L: Total Proposed Outfall



Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment P1: Proposed to Bio-1** Runoff Area=160,309 sf 53.74% Impervious Runoff Depth=1.96"
Flow Length=347' Tc=14.3 min CN=81 Runoff=9.46 cfs 26,221 cf

**Subcatchment P2: Proposed to Bio-2** Runoff Area=105,983 sf 75.37% Impervious Runoff Depth=2.65"
Tc=6.0 min CN=89 Runoff=11.11 cfs 23,362 cf

**Subcatchment P3: Proposed to Bio-3** Runoff Area=332,690 sf 58.85% Impervious Runoff Depth=2.12"
Flow Length=150' Tc=10.1 min CN=83 Runoff=24.50 cfs 58,834 cf

**Subcatchment P4: Proposed to Bio-4** Runoff Area=410,715 sf 37.19% Impervious Runoff Depth=1.53"
Flow Length=119' Slope=0.0100 '/' Tc=14.6 min CN=75 Runoff=18.52 cfs 52,214 cf

**Subcatchment P5: Uncaptured** Runoff Area=118,472 sf 1.56% Impervious Runoff Depth=0.77"
Flow Length=186' Slope=0.0100 '/' Tc=15.1 min CN=62 Runoff=2.26 cfs 7,567 cf

**Pond B1: Bioretention Basin-1** Peak Elev=828.09' Storage=11,371 cf Inflow=9.46 cfs 26,221 cf
Discarded=0.15 cfs 5,649 cf Primary=1.73 cfs 20,571 cf Outflow=1.87 cfs 26,221 cf

**Pond B2: Bioretention Basin-2** Peak Elev=829.07' Storage=8,516 cf Inflow=11.11 cfs 23,362 cf
Discarded=0.10 cfs 2,423 cf Primary=2.58 cfs 20,939 cf Outflow=2.68 cfs 23,362 cf

**Pond B3: Bioretention Basin-3** Peak Elev=826.80' Storage=31,100 cf Inflow=24.50 cfs 58,834 cf
Discarded=0.40 cfs 14,124 cf Primary=1.90 cfs 44,710 cf Outflow=2.31 cfs 58,834 cf

**Pond B4: Bioretention Basin-4** Peak Elev=827.76' Storage=25,877 cf Inflow=18.52 cfs 52,214 cf
Discarded=0.36 cfs 11,992 cf Primary=1.77 cfs 40,223 cf Outflow=2.13 cfs 52,214 cf

**Link 2L: Total Proposed Outfall** Inflow=9.50 cfs 134,009 cf
Primary=9.50 cfs 134,009 cf

**Total Runoff Area = 1,128,169 sf Runoff Volume = 168,198 cf Average Runoff Depth = 1.79"**
**54.22% Pervious = 611,745 sf 45.78% Impervious = 516,424 sf**

## Summary for Subcatchment P1: Proposed to Bio-1

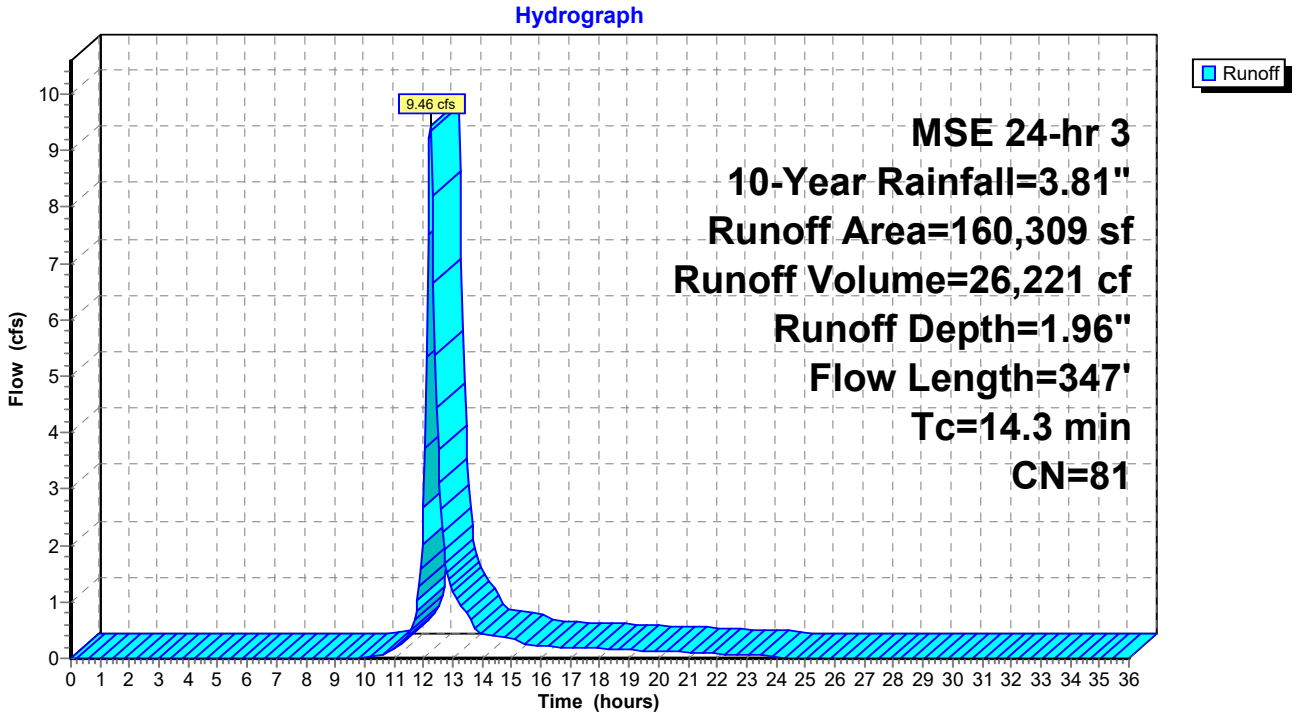
Runoff = 9.46 cfs @ 12.23 hrs, Volume= 26,221 cf, Depth= 1.96"
Routed to Pond B1 : Bioretention Basin-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10-Year Rainfall=3.81"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 76,705 | 98 | Paved parking, HSG B |
| * | 9,448 | 98 | Sidewalks, HSG B |
| | 74,156 | 61 | >75% Grass cover, Good, HSG B |
| | 160,309 | 81 | Weighted Average |
| | 74,156 | | 46.26% Pervious Area |
| | 86,153 | | 53.74% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.3 | 11 | 0.0150 | 0.72 | | **Sheet Flow, Post-developed Sheet Flow-1**<br>Smooth surfaces n= 0.011 P2= 2.70" |
| 10.4 | 89 | 0.0168 | 0.14 | | **Sheet Flow, Post-developed Sheet Flow-2**<br>Grass: Short n= 0.150 P2= 2.70" |
| 3.2 | 194 | 0.0206 | 1.00 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flov**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.4 | 53 | 0.1170 | 2.39 | | **Shallow Concentrated Flow, ost-developed Shallow Conc. Flow-**<br>Short Grass Pasture Kv= 7.0 fps |
| 14.3 | 347 | Total | | | |

## Subcatchment P1: Proposed to Bio-1



## Summary for Subcatchment P2: Proposed to Bio-2

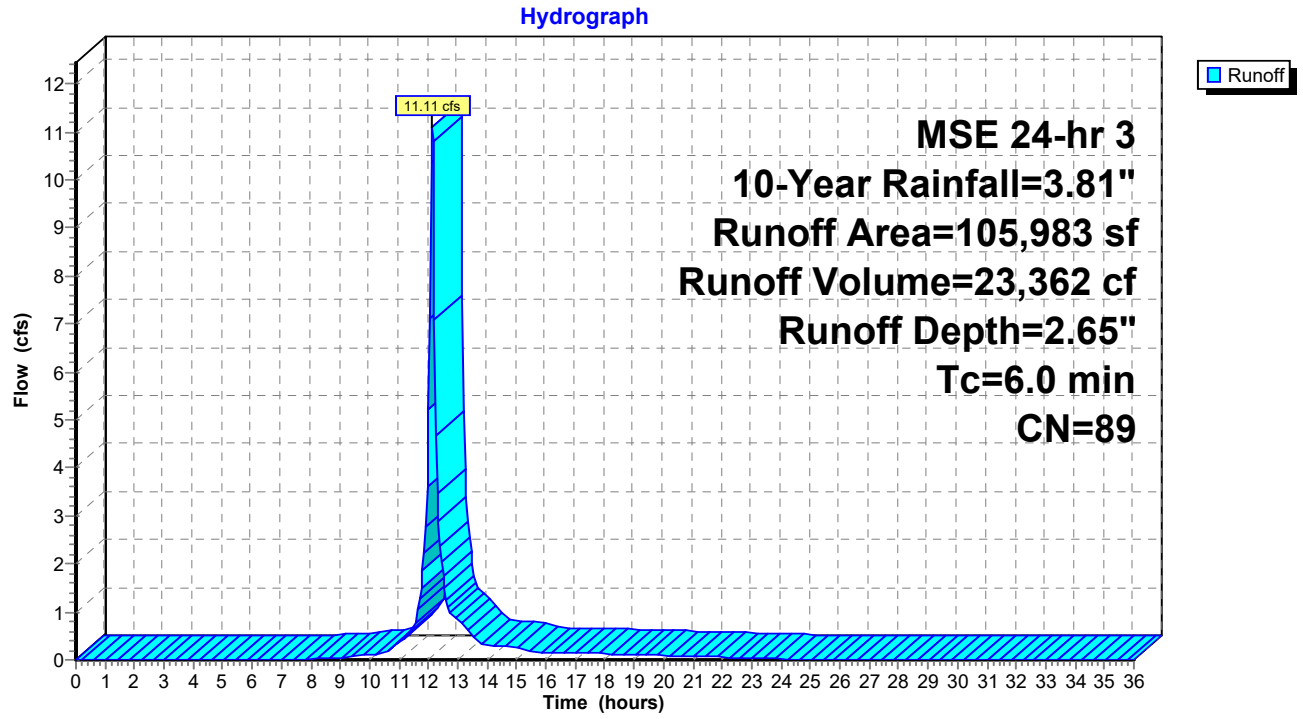
Runoff = 11.11 cfs @ 12.13 hrs, Volume= 23,362 cf, Depth= 2.65"
Routed to Pond B2 : Bioretention Basin-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10-Year Rainfall=3.81"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 45,039 | 98 | Roofs, HSG B |
| | 29,686 | 98 | Paved parking, HSG B |
| * | 5,153 | 98 | Sidewalks, HSG B |
| | 26,105 | 61 | >75% Grass cover, Good, HSG B |
| | 105,983 | 89 | Weighted Average |
| | 26,105 | | 24.63% Pervious Area |
| | 79,878 | | 75.37% Impervious Area |

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

## Subcatchment P2: Proposed to Bio-2



## Summary for Subcatchment P3: Proposed to Bio-3

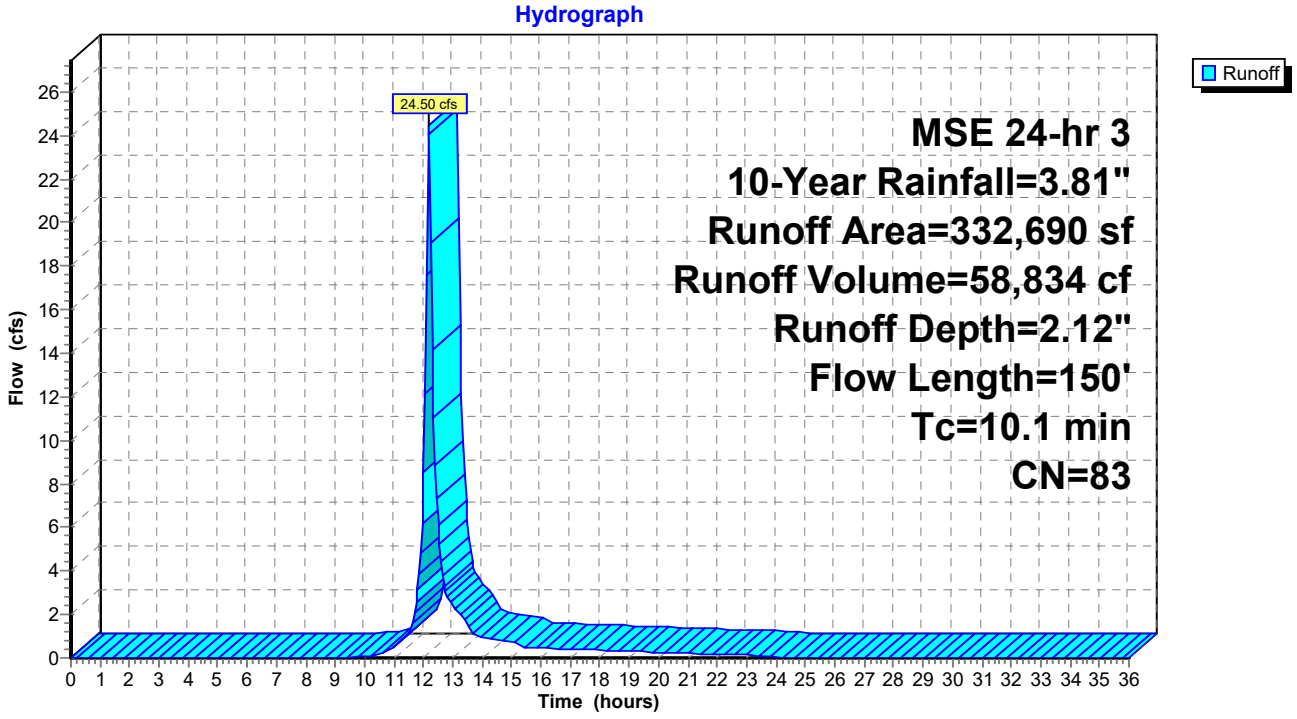
Runoff = 24.50 cfs @ 12.18 hrs, Volume= 58,834 cf, Depth= 2.12"
Routed to Pond B3 : Bioretention Basin-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10-Year Rainfall=3.81"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 112,471 | 98 | Roofs, HSG B |
| | 67,867 | 98 | Paved parking, HSG B |
| * | 15,465 | 98 | Sidewalks, HSG B |
| | 136,887 | 61 | >75% Grass cover, Good, HSG B |
| | 332,690 | 83 | Weighted Average |
| | 136,887 | | 41.15% Pervious Area |
| | 195,803 | | 58.85% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 9.8 | 100 | 0.0250 | 0.17 | | **Sheet Flow, Post-developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 0.3 | 50 | 0.1200 | 2.42 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow** Short Grass Pasture Kv= 7.0 fps |
| 10.1 | 150 | Total | | | |

## Subcatchment P3: Proposed to Bio-3



## Summary for Subcatchment P4: Proposed to Bio-4

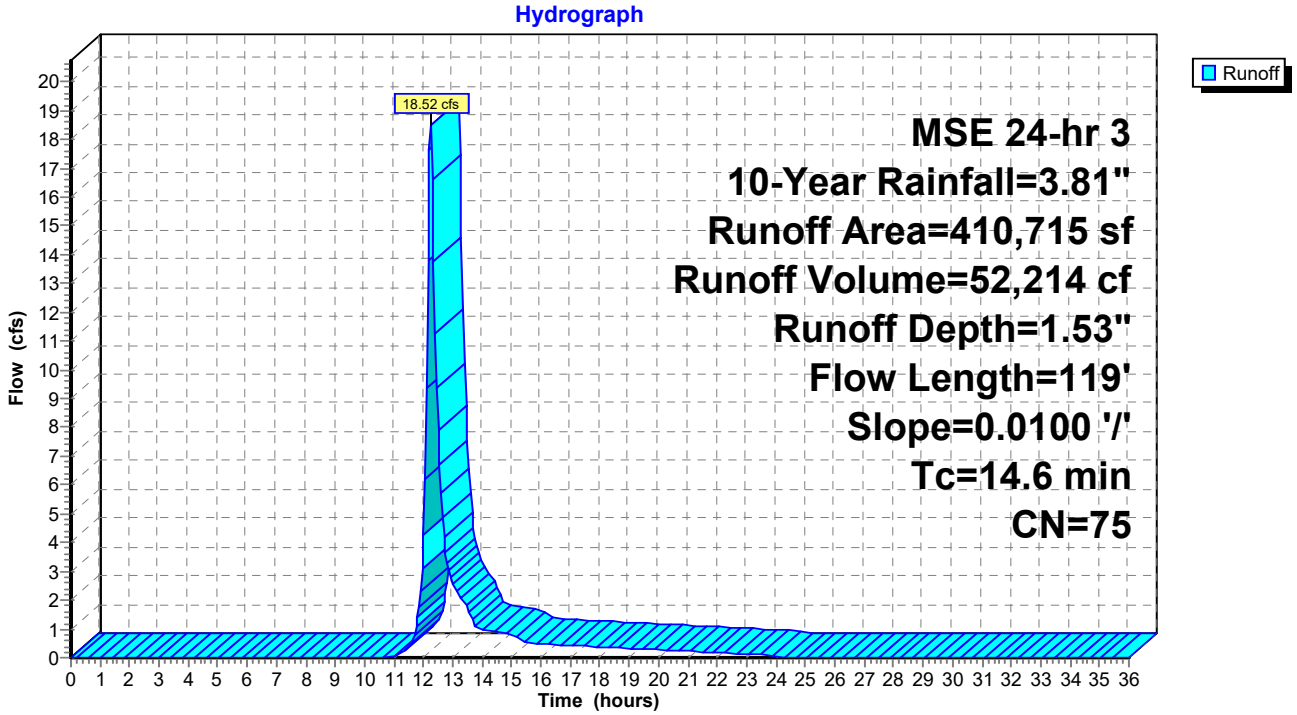
Runoff = 18.52 cfs @ 12.24 hrs, Volume= 52,214 cf, Depth= 1.53"
Routed to Pond B4 : Bioretention Basin-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10-Year Rainfall=3.81"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 92,179 | 98 | Paved parking, HSG B |
| * | 60,560 | 98 | Sidewalks, HSG B |
| | 257,976 | 61 | >75% Grass cover, Good, HSG B |
| | 410,715 | 75 | Weighted Average |
| | 257,976 | | 62.81% Pervious Area |
| | 152,739 | | 37.19% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Post-Developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 0.5 | 19 | 0.0100 | 0.70 | | **Shallow Concentrated Flow, Post-Developed Shallow Conc. Flow** Short Grass Pasture Kv= 7.0 fps |
| 14.6 | 119 | Total | | | |

## Subcatchment P4: Proposed to Bio-4



## Summary for Subcatchment P5: Uncaptured

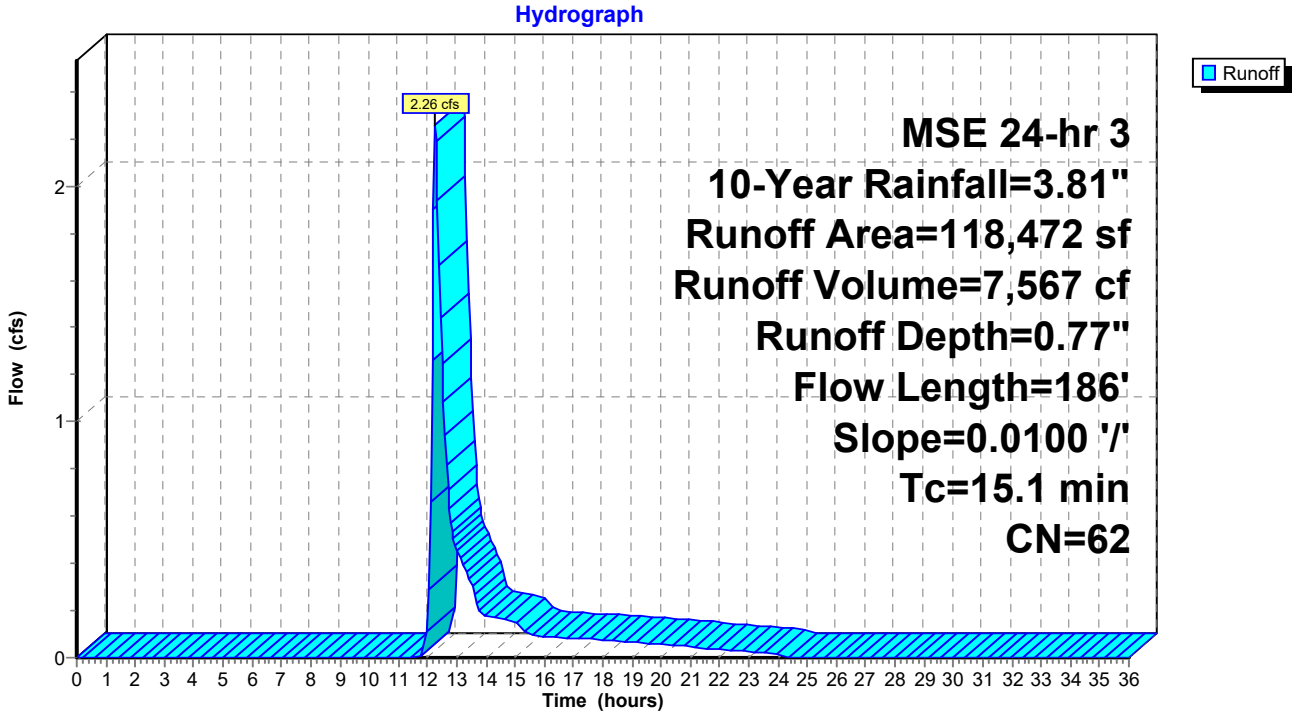
Runoff = 2.26 cfs @ 12.27 hrs, Volume= 7,567 cf, Depth= 0.77"
Routed to Link 2L : Total Proposed Outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10-Year Rainfall=3.81"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 981 | 98 | Paved parking, HSG B |
| * | 870 | 98 | Sidewalks, HSG B |
| | 116,621 | 61 | >75% Grass cover, Good, HSG B |
| | 118,472 | 62 | Weighted Average |
| | 116,621 | | 98.44% Pervious Area |
| | 1,851 | | 1.56% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Post-developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 1.0 | 86 | 0.0100 | 1.50 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow** Grassed Waterway Kv= 15.0 fps |
| 15.1 | 186 | Total | | | |

## Subcatchment P5: Uncaptured



## Summary for Pond B1: Bioretention Basin-1

Inflow Area = 160,309 sf, 53.74% Impervious, Inflow Depth = 1.96" for 10-Year event
Inflow = 9.46 cfs @ 12.23 hrs, Volume= 26,221 cf
Outflow = 1.87 cfs @ 12.71 hrs, Volume= 26,221 cf, Atten= 80%, Lag= 28.9 min
Discarded = 0.15 cfs @ 12.71 hrs, Volume= 5,649 cf
Primary = 1.73 cfs @ 12.71 hrs, Volume= 20,571 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 828.09' @ 12.71 hrs Surf.Area= 12,550 sf Storage= 11,371 cf

Plug-Flow detention time= 103.9 min calculated for 26,184 cf (100% of inflow)
Center-of-Mass det. time= 104.5 min ( 918.3 - 813.7 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 823.25' | 1,102 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>3,309 cf Overall x 33.3% Voids |
| #2 | 824.25' | 1,787 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>6,618 cf Overall x 27.0% Voids |
| #3 | 826.25' | 24,664 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 27,553 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.25 | 3,309 | 0 | 0 |
| 824.25 | 3,309 | 3,309 | 3,309 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.25 | 3,309 | 0 | 0 |
| 826.25 | 3,309 | 6,618 | 6,618 |

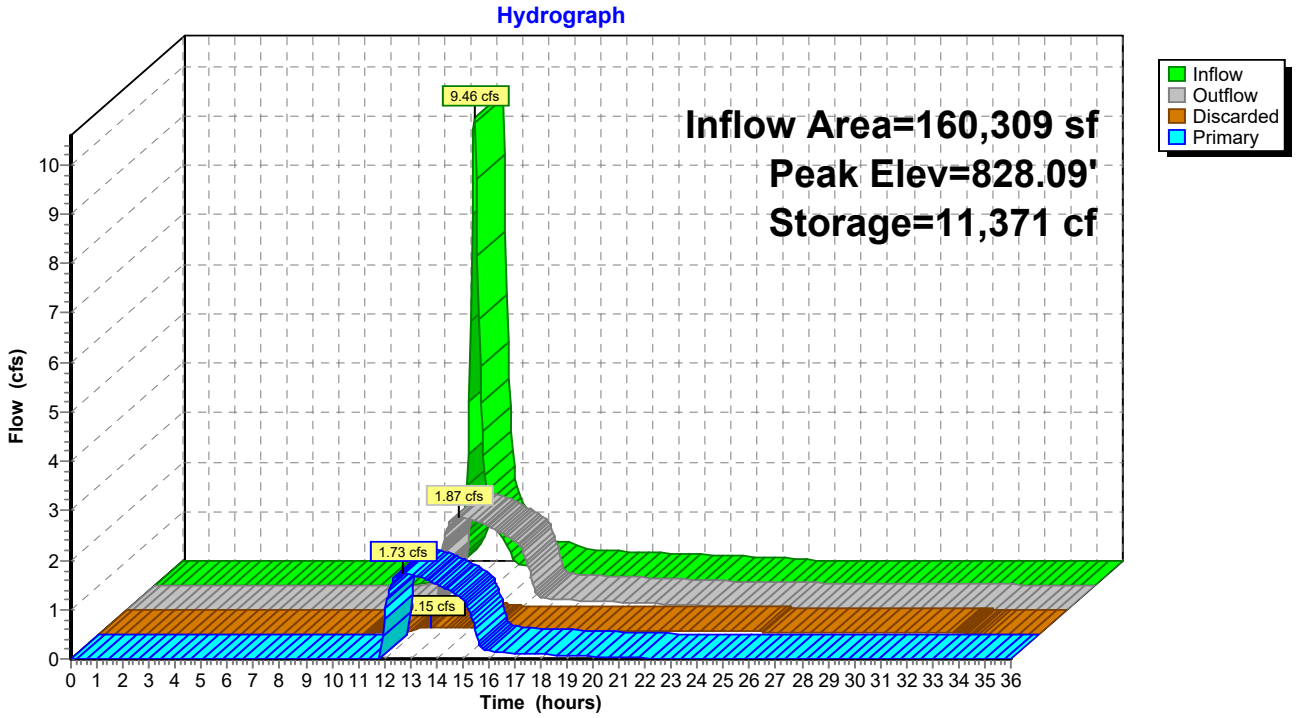
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 826.25 | 3,309 | 0 | 0 |
| 830.25 | 9,023 | 24,664 | 24,664 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.75' | **8.0" Round 8" Culvert**<br>L= 49.7' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.75' / 824.13' S= 0.0125 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.35 sf |
| #2 | Device 1 | 823.75' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 828.25' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 823.25' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.15 cfs @ 12.71 hrs HW=828.09' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.15 cfs)

**Primary OutFlow** Max=1.73 cfs @ 12.71 hrs HW=828.09' (Free Discharge)
└**1=8" Culvert** (Passes 1.73 cfs of 2.89 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.73 cfs @ 8.79 fps)
└**3=48" Standpipe** ( Controls 0.00 cfs)

## Pond B1: Bioretention Basin-1



## Summary for Pond B2: Bioretention Basin-2

Inflow Area = 105,983 sf, 75.37% Impervious, Inflow Depth = 2.65" for 10-Year event
Inflow = 11.11 cfs @ 12.13 hrs, Volume= 23,362 cf
Outflow = 2.68 cfs @ 12.37 hrs, Volume= 23,362 cf, Atten= 76%, Lag= 14.6 min
Discarded = 0.10 cfs @ 12.37 hrs, Volume= 2,423 cf
Primary = 2.58 cfs @ 12.37 hrs, Volume= 20,939 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 829.07' @ 12.37 hrs Surf.Area= 8,569 sf Storage= 8,516 cf

Plug-Flow detention time= 50.1 min calculated for 23,362 cf (100% of inflow)
Center-of-Mass det. time= 49.8 min ( 837.0 - 787.2 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 824.00' | 725 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>2,178 cf Overall x 33.3% Voids |
| #2 | 825.00' | 1,176 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>4,356 cf Overall x 27.0% Voids |
| #3 | 827.00' | 16,578 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 18,479 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.00 | 2,178 | 0 | 0 |
| 825.00 | 2,178 | 2,178 | 2,178 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 825.00 | 2,178 | 0 | 0 |
| 827.00 | 2,178 | 4,356 | 4,356 |

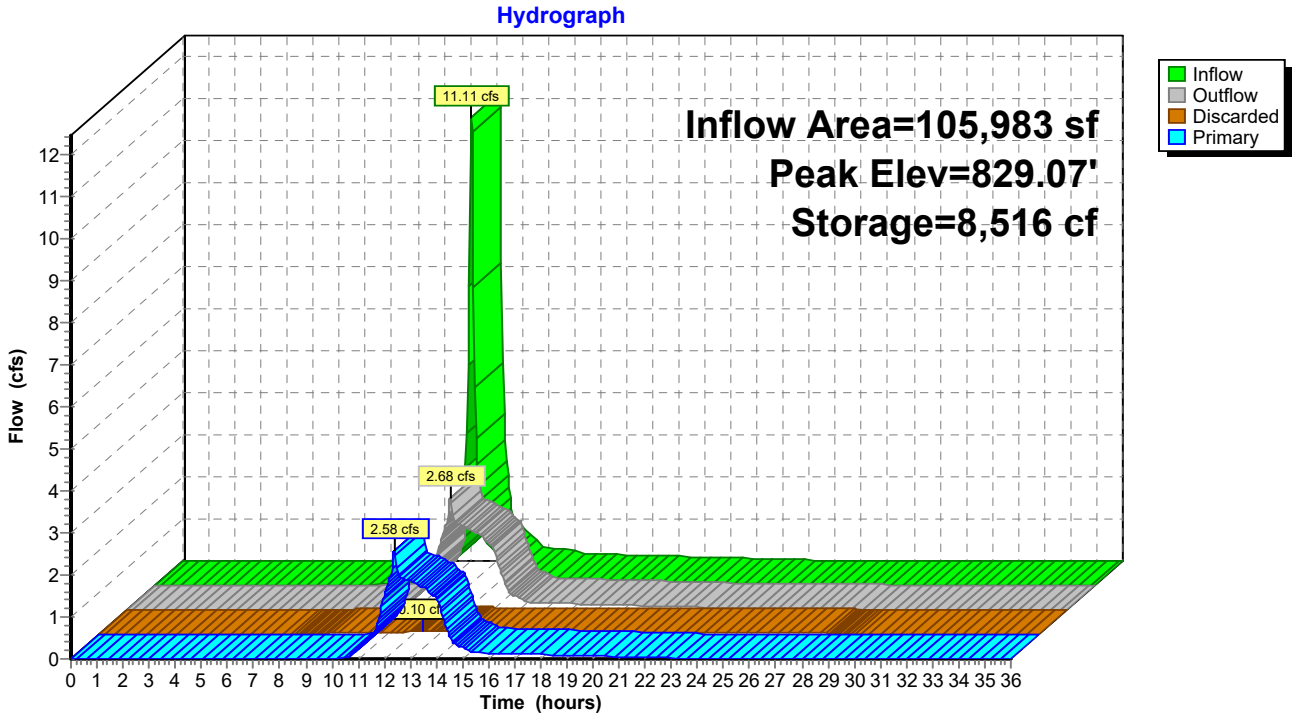
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 827.00 | 2,178 | 0 | 0 |
| 831.00 | 6,111 | 16,578 | 16,578 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.50' | **10.0" Round 10" Culvert**<br>L= 26.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.50' / 824.23' S= 0.0102 '/' Cc= 0.900<br>n= 0.012, Flow Area= 0.55 sf |
| #2 | Device 1 | 824.50' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 829.00' | **36.0" Horiz. 36" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 824.00' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.10 cfs @ 12.37 hrs HW=829.07' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.10 cfs)

**Primary OutFlow** Max=2.49 cfs @ 12.37 hrs HW=829.07' (Free Discharge)
└**1=10" Culvert** (Passes 2.49 cfs of 5.35 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.96 cfs @ 10.00 fps)
└**3=36" Standpipe** (Weir Controls 0.52 cfs @ 0.84 fps)

## Pond B2: Bioretention Basin-2



## Summary for Pond B3: Bioretention Basin-3

Inflow Area = 332,690 sf, 58.85% Impervious, Inflow Depth = 2.12" for 10-Year event
Inflow = 24.50 cfs @ 12.18 hrs, Volume= 58,834 cf
Outflow = 2.31 cfs @ 13.08 hrs, Volume= 58,834 cf, Atten= 91%, Lag= 54.2 min
Discarded = 0.40 cfs @ 13.08 hrs, Volume= 14,124 cf
Primary = 1.90 cfs @ 13.08 hrs, Volume= 44,710 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 826.80' @ 13.08 hrs Surf.Area= 34,834 sf Storage= 31,100 cf

Plug-Flow detention time= 156.2 min calculated for 58,834 cf (100% of inflow)
Center-of-Mass det. time= 156.0 min ( 961.5 - 805.5 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 822.00' | 3,381 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>10,153 cf Overall x 33.3% Voids |
| #2 | 823.00' | 5,483 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>20,306 cf Overall x 27.0% Voids |
| #3 | 825.00' | 60,038 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 68,902 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 822.00 | 10,153 | 0 | 0 |
| 823.00 | 10,153 | 10,153 | 10,153 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.00 | 10,153 | 0 | 0 |
| 825.00 | 10,153 | 20,306 | 20,306 |

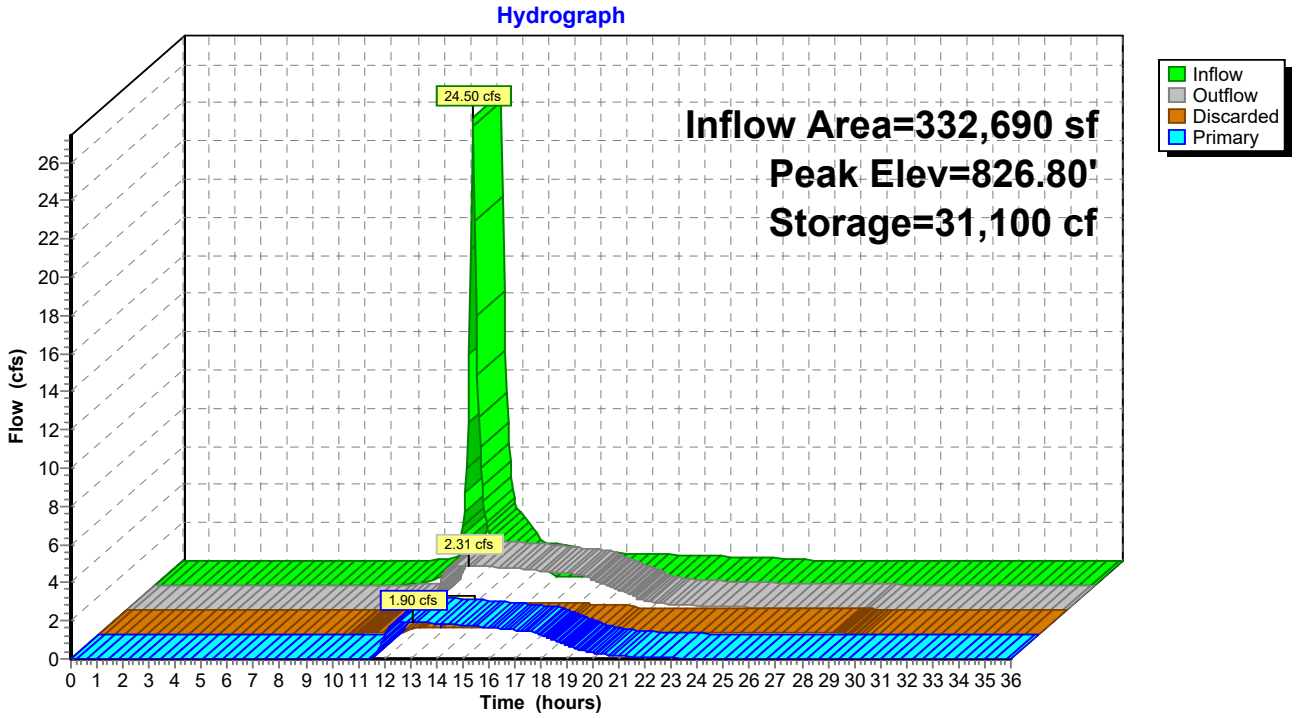
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 825.00 | 10,153 | 0 | 0 |
| 829.00 | 19,866 | 60,038 | 60,038 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 822.50' | **10.0" Round 10" Culvert**<br>L= 433.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 822.50' / 820.88' S= 0.0037 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |
| #2 | Device 1 | 822.50' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 827.00' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 822.00' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.40 cfs @ 13.08 hrs HW=826.80' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.40 cfs)

**Primary OutFlow** Max=1.90 cfs @ 13.08 hrs HW=826.80' (Free Discharge)
└**1=10" Culvert** (Passes 1.90 cfs of 2.88 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.90 cfs @ 9.69 fps)
└**3=48" Standpipe** ( Controls 0.00 cfs)

## Pond B3: Bioretention Basin-3



## Summary for Pond B4: Bioretention Basin-4

Inflow Area = 410,715 sf, 37.19% Impervious, Inflow Depth = 1.53" for 10-Year event
Inflow = 18.52 cfs @ 12.24 hrs, Volume= 52,214 cf
Outflow = 2.13 cfs @ 13.27 hrs, Volume= 52,214 cf, Atten= 89%, Lag= 61.7 min
Discarded = 0.36 cfs @ 13.27 hrs, Volume= 11,992 cf
Primary = 1.77 cfs @ 13.27 hrs, Volume= 40,223 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 827.76' @ 13.27 hrs Surf.Area= 30,857 sf Storage= 25,877 cf

Plug-Flow detention time= 144.1 min calculated for 52,214 cf (100% of inflow)
Center-of-Mass det. time= 143.9 min ( 970.5 - 826.6 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 823.50' | 2,962 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>8,894 cf Overall x 33.3% Voids |
| #2 | 824.50' | 3,602 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>13,341 cf Overall x 27.0% Voids |
| #3 | 826.00' | 54,570 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 61,134 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.50 | 8,894 | 0 | 0 |
| 824.50 | 8,894 | 8,894 | 8,894 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.50 | 8,894 | 0 | 0 |
| 826.00 | 8,894 | 13,341 | 13,341 |

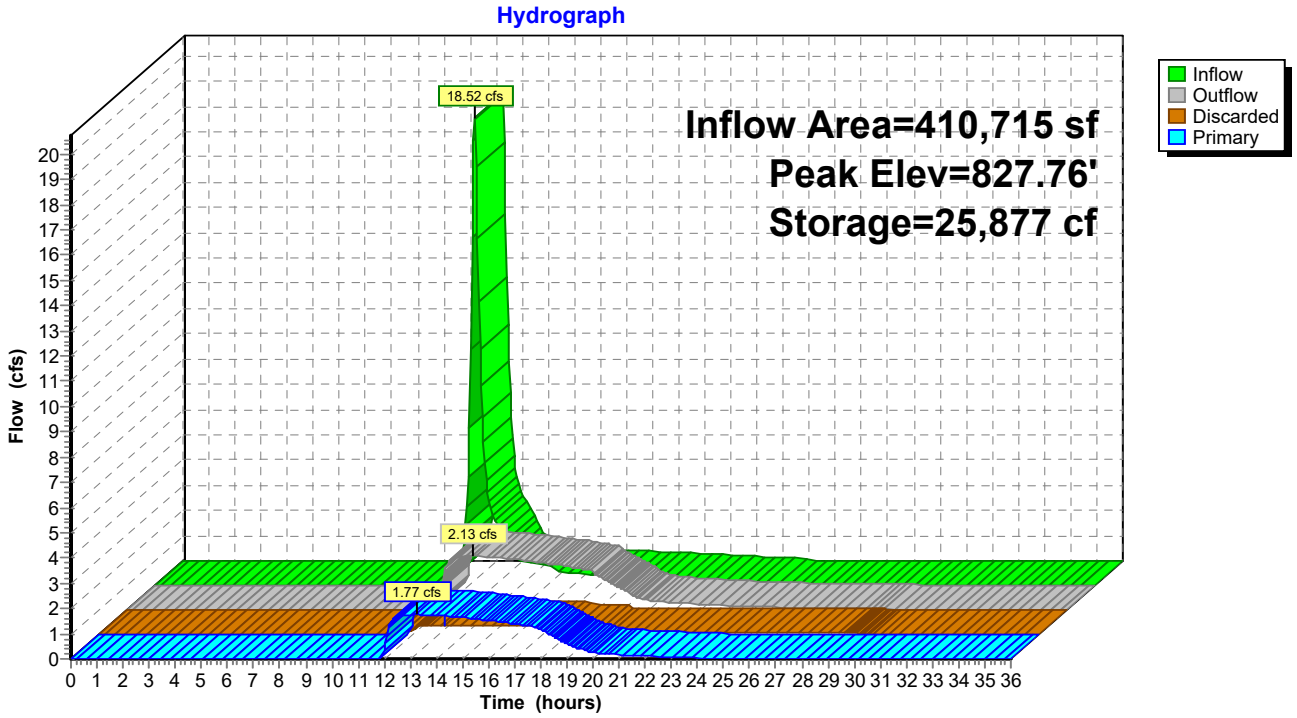
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 826.00 | 8,894 | 0 | 0 |
| 830.00 | 18,391 | 54,570 | 54,570 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.00' | **10.0" Round 10" Culvert**<br>L= 70.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.00' / 823.86' S= 0.0020 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |
| #2 | Device 1 | 824.00' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 828.00' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 823.50' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.36 cfs @ 13.27 hrs HW=827.76' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.36 cfs)

**Primary OutFlow** Max=1.77 cfs @ 13.27 hrs HW=827.76' (Free Discharge)
└**1=10" Culvert** (Passes 1.77 cfs of 4.30 cfs potential flow)
└**2=6" Drain Tile** (Orifice Controls 1.77 cfs @ 9.02 fps)
└**3=48" Standpipe** ( Controls 0.00 cfs)

## Pond B4: Bioretention Basin-4

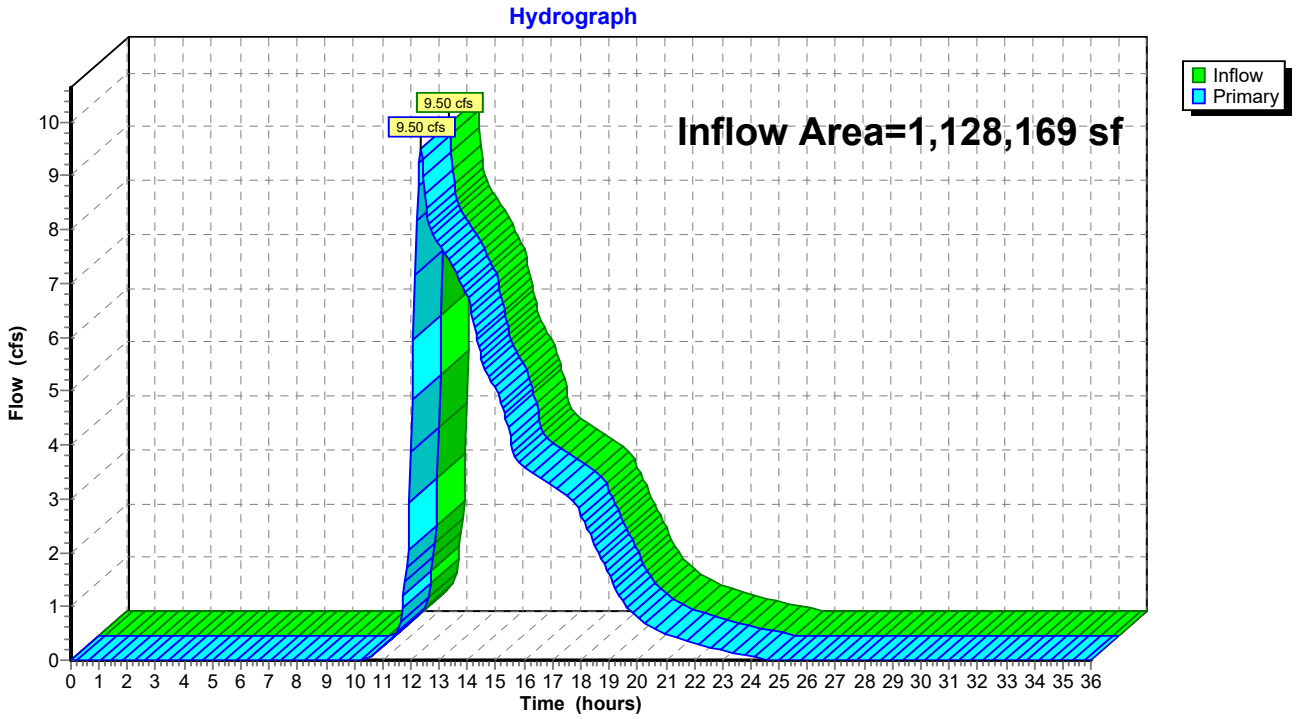


## Summary for Link 2L: Total Proposed Outfall

Inflow Area = 1,128,169 sf, 45.78% Impervious, Inflow Depth = 1.43" for 10-Year event
Inflow = 9.50 cfs @ 12.35 hrs, Volume= 134,009 cf
Primary = 9.50 cfs @ 12.35 hrs, Volume= 134,009 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

## Link 2L: Total Proposed Outfall



Time span=0.00-36.00 hrs, dt=0.05 hrs, 721 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

**Subcatchment P1: Proposed to Bio-1** Runoff Area=160,309 sf 53.74% Impervious Runoff Depth=4.05"
Flow Length=347' Tc=14.3 min CN=81 Runoff=19.36 cfs 54,079 cf

**Subcatchment P2: Proposed to Bio-2** Runoff Area=105,983 sf 75.37% Impervious Runoff Depth=4.91"
Tc=6.0 min CN=89 Runoff=19.86 cfs 43,364 cf

**Subcatchment P3: Proposed to Bio-3** Runoff Area=332,690 sf 58.85% Impervious Runoff Depth=4.26"
Flow Length=150' Tc=10.1 min CN=83 Runoff=48.18 cfs 118,070 cf

**Subcatchment P4: Proposed to Bio-4** Runoff Area=410,715 sf 37.19% Impervious Runoff Depth=3.44"
Flow Length=119' Slope=0.0100 '/' Tc=14.6 min CN=75 Runoff=42.17 cfs 117,600 cf

**Subcatchment P5: Uncaptured** Runoff Area=118,472 sf 1.56% Impervious Runoff Depth=2.21"
Flow Length=186' Slope=0.0100 '/' Tc=15.1 min CN=62 Runoff=7.52 cfs 21,863 cf

**Pond B1: Bioretention Basin-1** Peak Elev=829.88' Storage=24,281 cf Inflow=19.36 cfs 54,079 cf
Discarded=0.17 cfs 6,792 cf Primary=3.59 cfs 47,287 cf Outflow=3.77 cfs 54,079 cf

**Pond B2: Bioretention Basin-2** Peak Elev=830.28' Storage=14,335 cf Inflow=19.86 cfs 43,364 cf
Discarded=0.11 cfs 2,892 cf Primary=6.08 cfs 40,472 cf Outflow=6.19 cfs 43,364 cf

**Pond B3: Bioretention Basin-3** Peak Elev=828.89' Storage=66,645 cf Inflow=48.18 cfs 118,070 cf
Discarded=0.46 cfs 20,522 cf Primary=3.42 cfs 97,548 cf Outflow=3.88 cfs 118,070 cf

**Pond B4: Bioretention Basin-4** Peak Elev=829.88' Storage=58,856 cf Inflow=42.17 cfs 117,600 cf
Discarded=0.42 cfs 16,326 cf Primary=5.59 cfs 101,274 cf Outflow=6.01 cfs 117,600 cf

**Link 2L: Total Proposed Outfall** Inflow=25.16 cfs 308,445 cf
Primary=25.16 cfs 308,445 cf

**Total Runoff Area = 1,128,169 sf Runoff Volume = 354,977 cf Average Runoff Depth = 3.78"**
**54.22% Pervious = 611,745 sf 45.78% Impervious = 516,424 sf**

## Summary for Subcatchment P1: Proposed to Bio-1

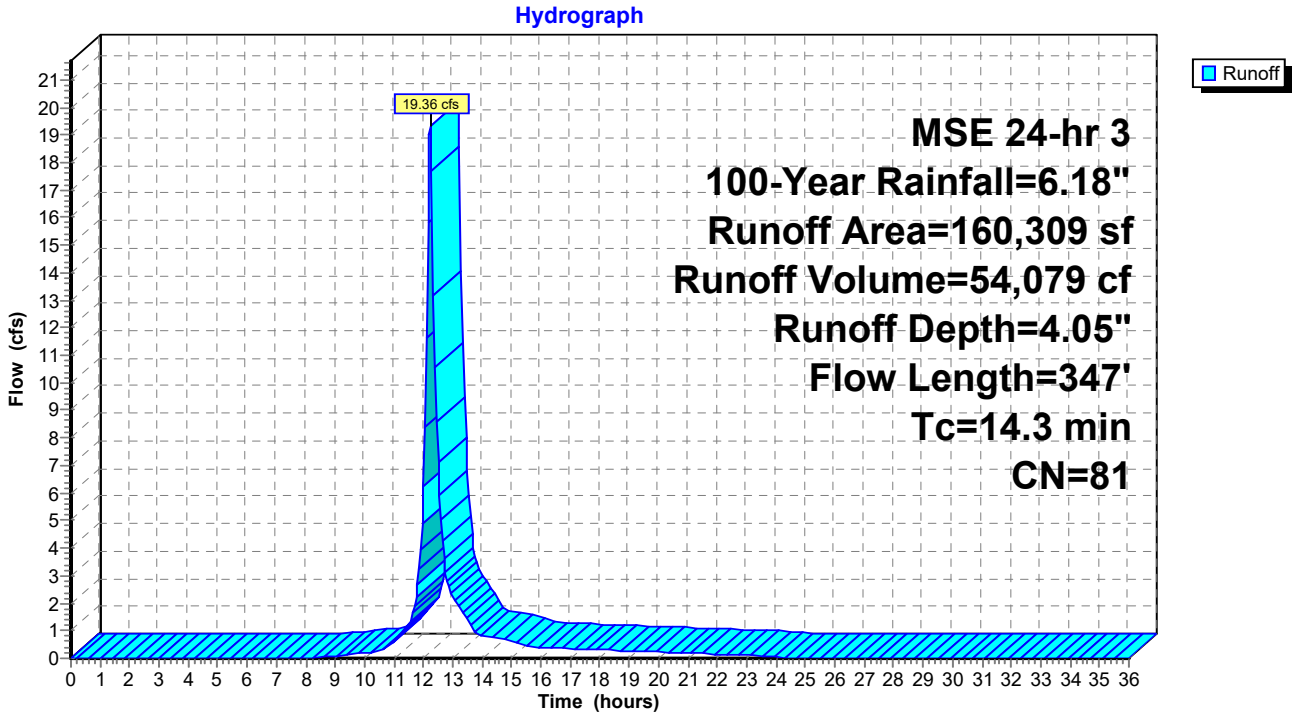
Runoff = 19.36 cfs @ 12.22 hrs, Volume= 54,079 cf, Depth= 4.05"
Routed to Pond B1 : Bioretention Basin-1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100-Year Rainfall=6.18"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 76,705 | 98 | Paved parking, HSG B |
| * | 9,448 | 98 | Sidewalks, HSG B |
| | 74,156 | 61 | >75% Grass cover, Good, HSG B |
| | 160,309 | 81 | Weighted Average |
| | 74,156 | | 46.26% Pervious Area |
| | 86,153 | | 53.74% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 0.3 | 11 | 0.0150 | 0.72 | | **Sheet Flow, Post-developed Sheet Flow-1**<br>Smooth surfaces n= 0.011 P2= 2.70" |
| 10.4 | 89 | 0.0168 | 0.14 | | **Sheet Flow, Post-developed Sheet Flow-2**<br>Grass: Short n= 0.150 P2= 2.70" |
| 3.2 | 194 | 0.0206 | 1.00 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow**<br>Short Grass Pasture Kv= 7.0 fps |
| 0.4 | 53 | 0.1170 | 2.39 | | **Shallow Concentrated Flow, ost-developed Shallow Conc. Flow-**<br>Short Grass Pasture Kv= 7.0 fps |
| 14.3 | 347 | Total | | | |

## Subcatchment P1: Proposed to Bio-1



## Summary for Subcatchment P2: Proposed to Bio-2

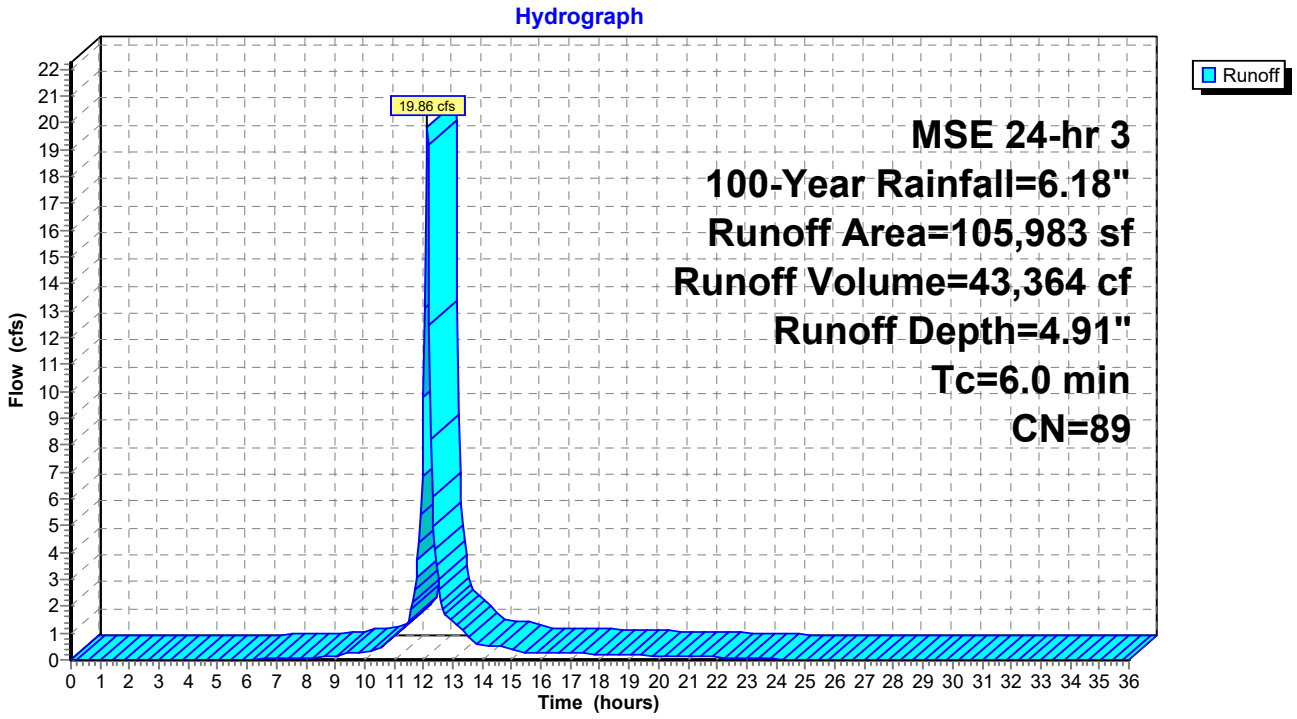
Runoff = 19.86 cfs @ 12.13 hrs, Volume= 43,364 cf, Depth= 4.91"
Routed to Pond B2 : Bioretention Basin-2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100-Year Rainfall=6.18"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 45,039 | 98 | Roofs, HSG B |
| | 29,686 | 98 | Paved parking, HSG B |
| * | 5,153 | 98 | Sidewalks, HSG B |
| | 26,105 | 61 | >75% Grass cover, Good, HSG B |
| | 105,983 | 89 | Weighted Average |
| | 26,105 | | 24.63% Pervious Area |
| | 79,878 | | 75.37% Impervious Area |

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

## Subcatchment P2: Proposed to Bio-2



## Summary for Subcatchment P3: Proposed to Bio-3

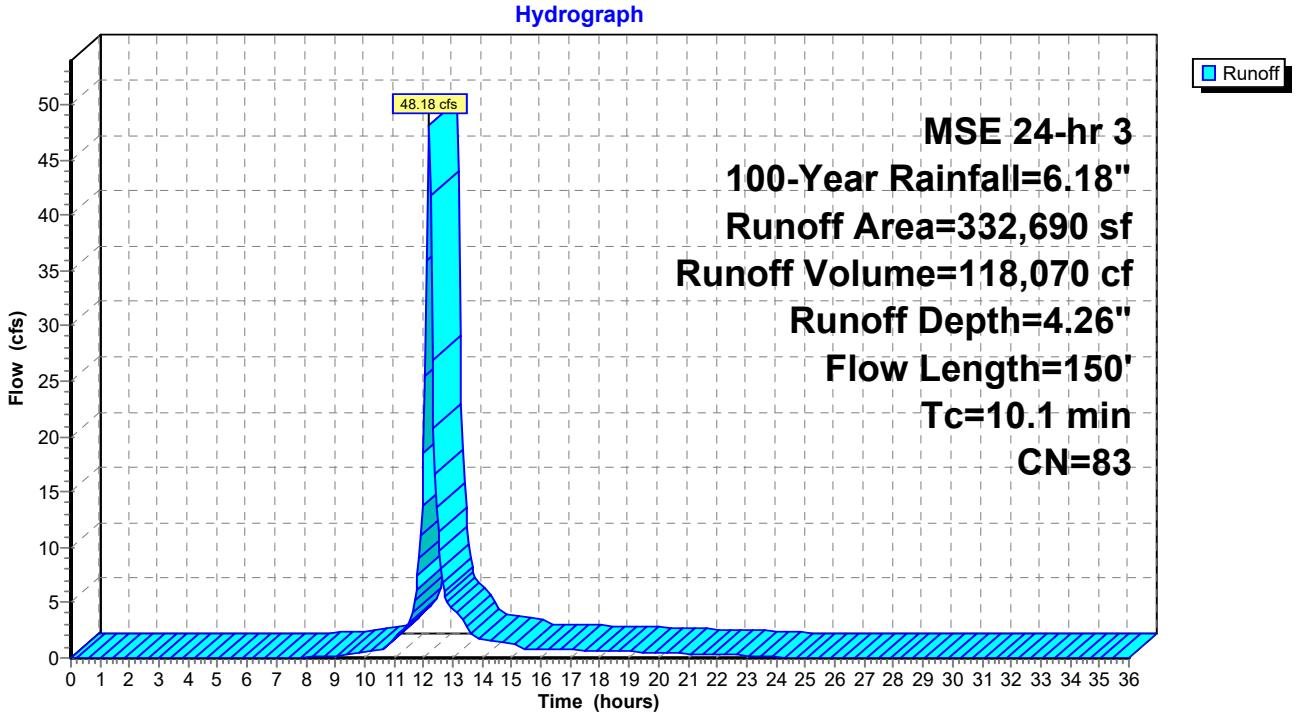
Runoff = 48.18 cfs @ 12.17 hrs, Volume= 118,070 cf, Depth= 4.26"
Routed to Pond B3 : Bioretention Basin-3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100-Year Rainfall=6.18"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 112,471 | 98 | Roofs, HSG B |
| | 67,867 | 98 | Paved parking, HSG B |
| * | 15,465 | 98 | Sidewalks, HSG B |
| | 136,887 | 61 | >75% Grass cover, Good, HSG B |
| | 332,690 | 83 | Weighted Average |
| | 136,887 | | 41.15% Pervious Area |
| | 195,803 | | 58.85% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 9.8 | 100 | 0.0250 | 0.17 | | **Sheet Flow, Post-developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 0.3 | 50 | 0.1200 | 2.42 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow** Short Grass Pasture Kv= 7.0 fps |
| 10.1 | 150 | Total | | | |

## Subcatchment P3: Proposed to Bio-3



## Summary for Subcatchment P4: Proposed to Bio-4

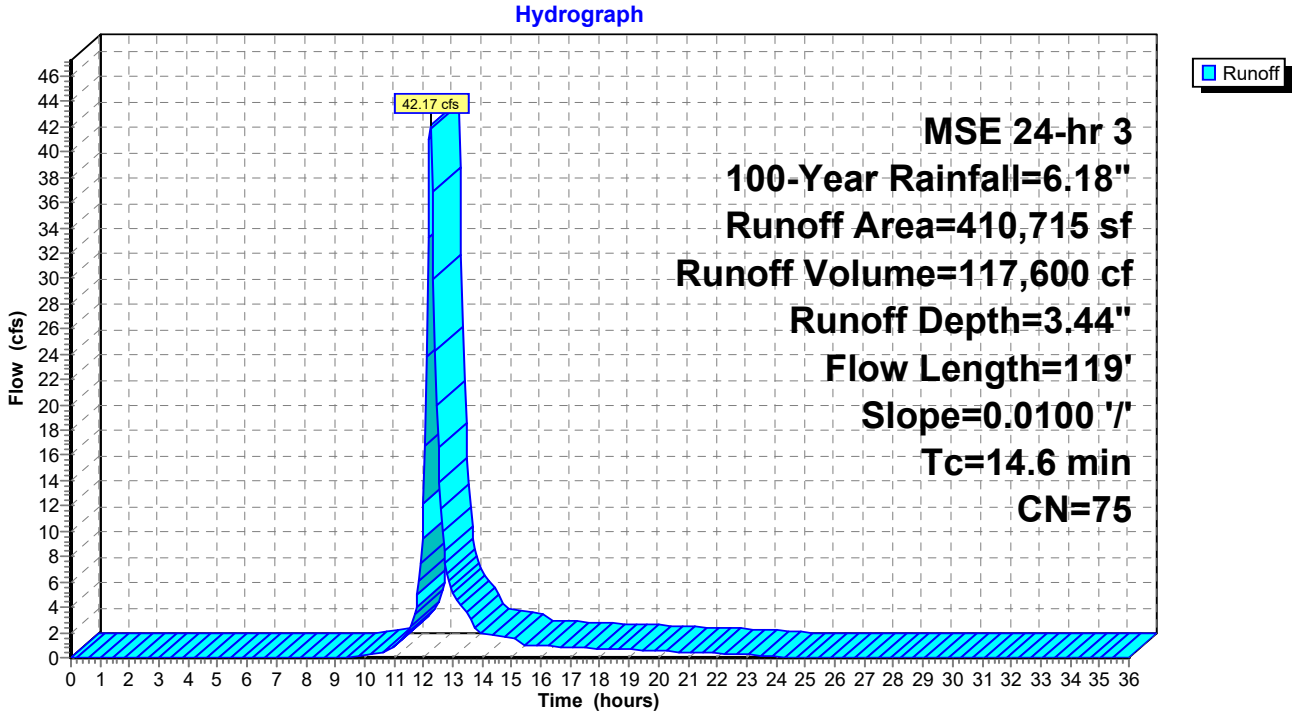
Runoff = 42.17 cfs @ 12.23 hrs, Volume= 117,600 cf, Depth= 3.44"
Routed to Pond B4 : Bioretention Basin-4

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100-Year Rainfall=6.18"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 92,179 | 98 | Paved parking, HSG B |
| * | 60,560 | 98 | Sidewalks, HSG B |
| | 257,976 | 61 | >75% Grass cover, Good, HSG B |
| | 410,715 | 75 | Weighted Average |
| | 257,976 | | 62.81% Pervious Area |
| | 152,739 | | 37.19% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Post-Developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 0.5 | 19 | 0.0100 | 0.70 | | **Shallow Concentrated Flow, Post-Developed Shallow Conc. Flow** Short Grass Pasture Kv= 7.0 fps |
| 14.6 | 119 | Total | | | |

## Subcatchment P4: Proposed to Bio-4



## Summary for Subcatchment P5: Uncaptured

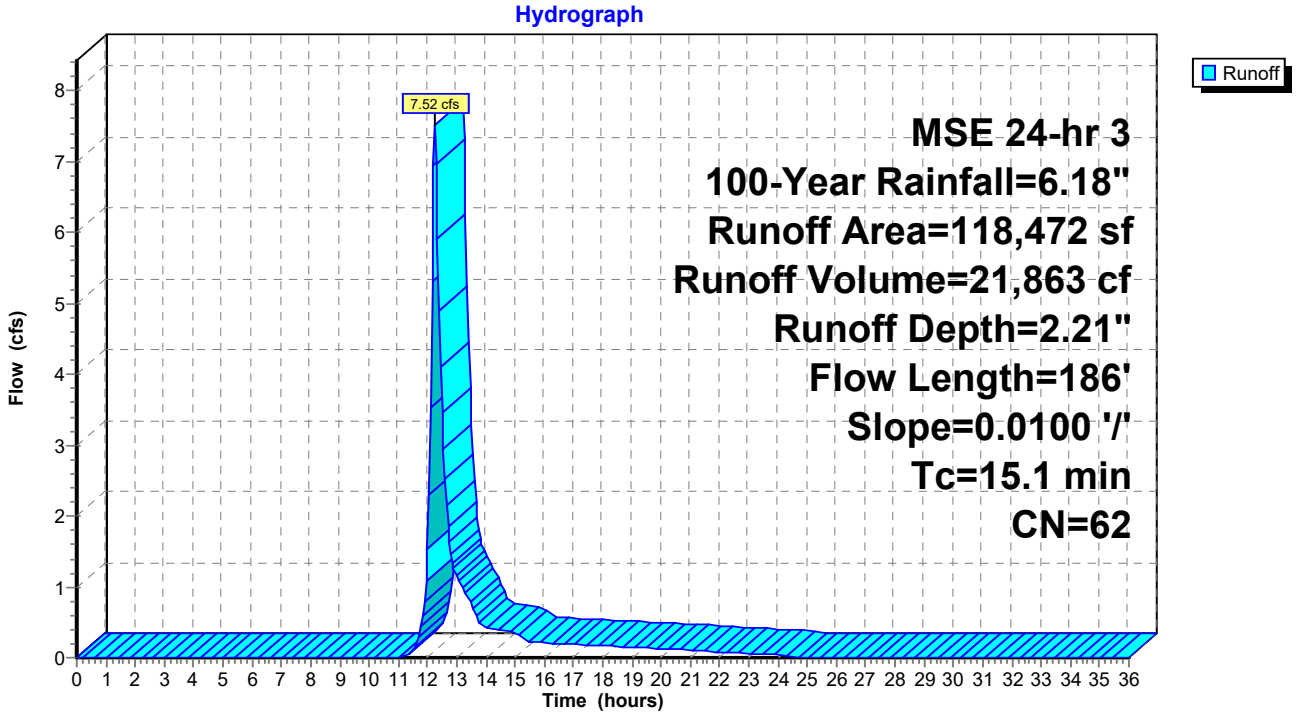
Runoff = 7.52 cfs @ 12.25 hrs, Volume= 21,863 cf, Depth= 2.21"
Routed to Link 2L : Total Proposed Outfall

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100-Year Rainfall=6.18"

| | Area (sf) | CN | Description |
|---|---|---|---|
| | 981 | 98 | Paved parking, HSG B |
| * | 870 | 98 | Sidewalks, HSG B |
| | 116,621 | 61 | >75% Grass cover, Good, HSG B |
| | 118,472 | 62 | Weighted Average |
| | 116,621 | | 98.44% Pervious Area |
| | 1,851 | | 1.56% Impervious Area |

| Tc (min) | Length (feet) | Slope (ft/ft) | Velocity (ft/sec) | Capacity (cfs) | Description |
|---|---|---|---|---|---|
| 14.1 | 100 | 0.0100 | 0.12 | | **Sheet Flow, Post-developed Sheet Flow-1** Grass: Short n= 0.150 P2= 2.70" |
| 1.0 | 86 | 0.0100 | 1.50 | | **Shallow Concentrated Flow, Post-developed Shallow Conc. Flow** Grassed Waterway Kv= 15.0 fps |
| 15.1 | 186 | Total | | | |

## Subcatchment P5: Uncaptured



## Summary for Pond B1: Bioretention Basin-1

Inflow Area = 160,309 sf, 53.74% Impervious, Inflow Depth = 4.05" for 100-Year event
Inflow = 19.36 cfs @ 12.22 hrs, Volume= 54,079 cf
Outflow = 3.77 cfs @ 12.69 hrs, Volume= 54,079 cf, Atten= 81%, Lag= 27.9 min
Discarded = 0.17 cfs @ 12.69 hrs, Volume= 6,792 cf
Primary = 3.59 cfs @ 12.69 hrs, Volume= 47,287 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 829.88' @ 12.69 hrs Surf.Area= 15,107 sf Storage= 24,281 cf

Plug-Flow detention time= 94.2 min calculated for 54,079 cf (100% of inflow)
Center-of-Mass det. time= 94.1 min ( 893.3 - 799.2 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 823.25' | 1,102 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>3,309 cf Overall x 33.3% Voids |
| #2 | 824.25' | 1,787 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>6,618 cf Overall x 27.0% Voids |
| #3 | 826.25' | 24,664 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 27,553 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.25 | 3,309 | 0 | 0 |
| 824.25 | 3,309 | 3,309 | 3,309 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.25 | 3,309 | 0 | 0 |
| 826.25 | 3,309 | 6,618 | 6,618 |

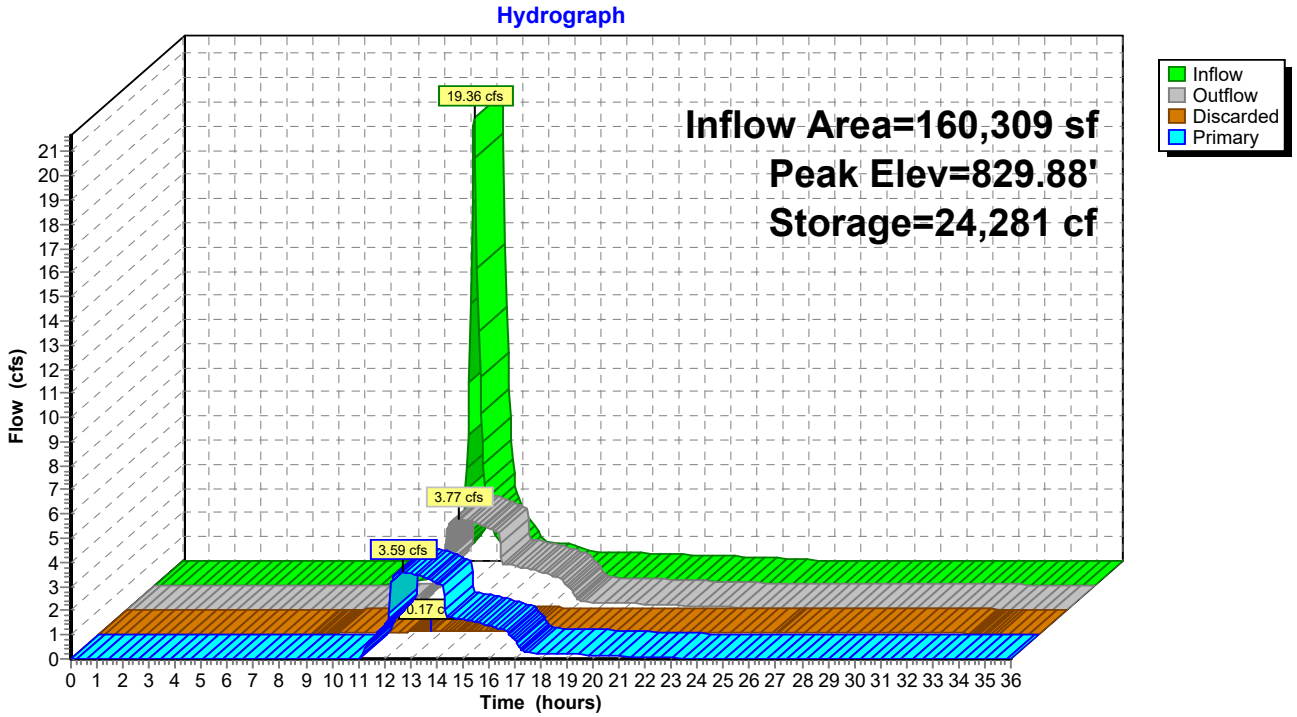
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 826.25 | 3,309 | 0 | 0 |
| 830.25 | 9,023 | 24,664 | 24,664 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.75' | **8.0" Round 8" Culvert**<br>L= 49.7' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.75' / 824.13' S= 0.0125 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.35 sf |
| #2 | Device 1 | 823.75' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 828.25' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 823.25' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.17 cfs @ 12.69 hrs HW=829.88' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.17 cfs)

**Primary OutFlow** Max=3.59 cfs @ 12.69 hrs HW=829.88' (Free Discharge)
└**1=8" Culvert** (Barrel Controls 3.59 cfs @ 10.30 fps)
└**2=6" Drain Tile** (Passes < 2.14 cfs potential flow)
└**3=48" Standpipe** (Passes < 77.14 cfs potential flow)

## Pond B1: Bioretention Basin-1



## Summary for Pond B2: Bioretention Basin-2

Inflow Area = 105,983 sf, 75.37% Impervious, Inflow Depth = 4.91" for 100-Year event
Inflow = 19.86 cfs @ 12.13 hrs, Volume= 43,364 cf
Outflow = 6.19 cfs @ 12.30 hrs, Volume= 43,364 cf, Atten= 69%, Lag= 10.5 min
Discarded = 0.11 cfs @ 12.30 hrs, Volume= 2,892 cf
Primary = 6.08 cfs @ 12.30 hrs, Volume= 40,472 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 830.28' @ 12.30 hrs Surf.Area= 9,759 sf Storage= 14,335 cf

Plug-Flow detention time= 40.8 min calculated for 43,364 cf (100% of inflow)
Center-of-Mass det. time= 40.5 min ( 815.5 - 775.0 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 824.00' | 725 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>2,178 cf Overall x 33.3% Voids |
| #2 | 825.00' | 1,176 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>4,356 cf Overall x 27.0% Voids |
| #3 | 827.00' | 16,578 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 18,479 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.00 | 2,178 | 0 | 0 |
| 825.00 | 2,178 | 2,178 | 2,178 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 825.00 | 2,178 | 0 | 0 |
| 827.00 | 2,178 | 4,356 | 4,356 |

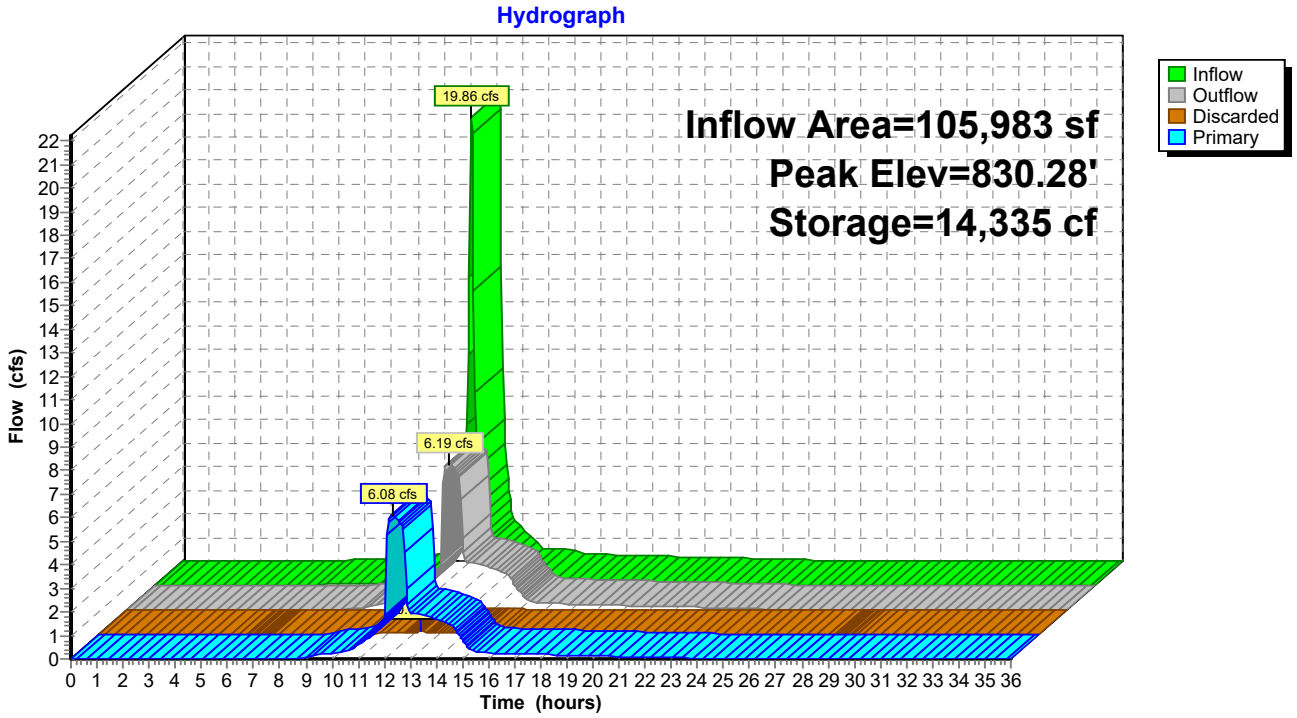
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 827.00 | 2,178 | 0 | 0 |
| 831.00 | 6,111 | 16,578 | 16,578 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.50' | **10.0" Round 10" Culvert**<br>L= 26.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.50' / 824.23' S= 0.0102 '/' Cc= 0.900<br>n= 0.012, Flow Area= 0.55 sf |
| #2 | Device 1 | 824.50' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 829.00' | **36.0" Horiz. 36" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 824.00' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.11 cfs @ 12.30 hrs HW=830.28' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.11 cfs)

**Primary OutFlow** Max=6.08 cfs @ 12.30 hrs HW=830.28' (Free Discharge)
└**1=10" Culvert** (Inlet Controls 6.08 cfs @ 11.15 fps)
└**2=6" Drain Tile** (Passes < 2.22 cfs potential flow)
└**3=36" Standpipe** (Passes < 38.48 cfs potential flow)

## Pond B2: Bioretention Basin-2



## Summary for Pond B3: Bioretention Basin-3

Inflow Area = 332,690 sf, 58.85% Impervious, Inflow Depth = 4.26" for 100-Year event
Inflow = 48.18 cfs @ 12.17 hrs, Volume= 118,070 cf
Outflow = 3.88 cfs @ 13.18 hrs, Volume= 118,070 cf, Atten= 92%, Lag= 60.1 min
Discarded = 0.46 cfs @ 13.18 hrs, Volume= 20,522 cf
Primary = 3.42 cfs @ 13.18 hrs, Volume= 97,548 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 828.89' @ 13.18 hrs Surf.Area= 39,894 sf Storage= 66,645 cf

Plug-Flow detention time= 201.6 min calculated for 117,906 cf (100% of inflow)
Center-of-Mass det. time= 201.8 min ( 993.4 - 791.6 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 822.00' | 3,381 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>10,153 cf Overall x 33.3% Voids |
| #2 | 823.00' | 5,483 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>20,306 cf Overall x 27.0% Voids |
| #3 | 825.00' | 60,038 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 68,902 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 822.00 | 10,153 | 0 | 0 |
| 823.00 | 10,153 | 10,153 | 10,153 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.00 | 10,153 | 0 | 0 |
| 825.00 | 10,153 | 20,306 | 20,306 |

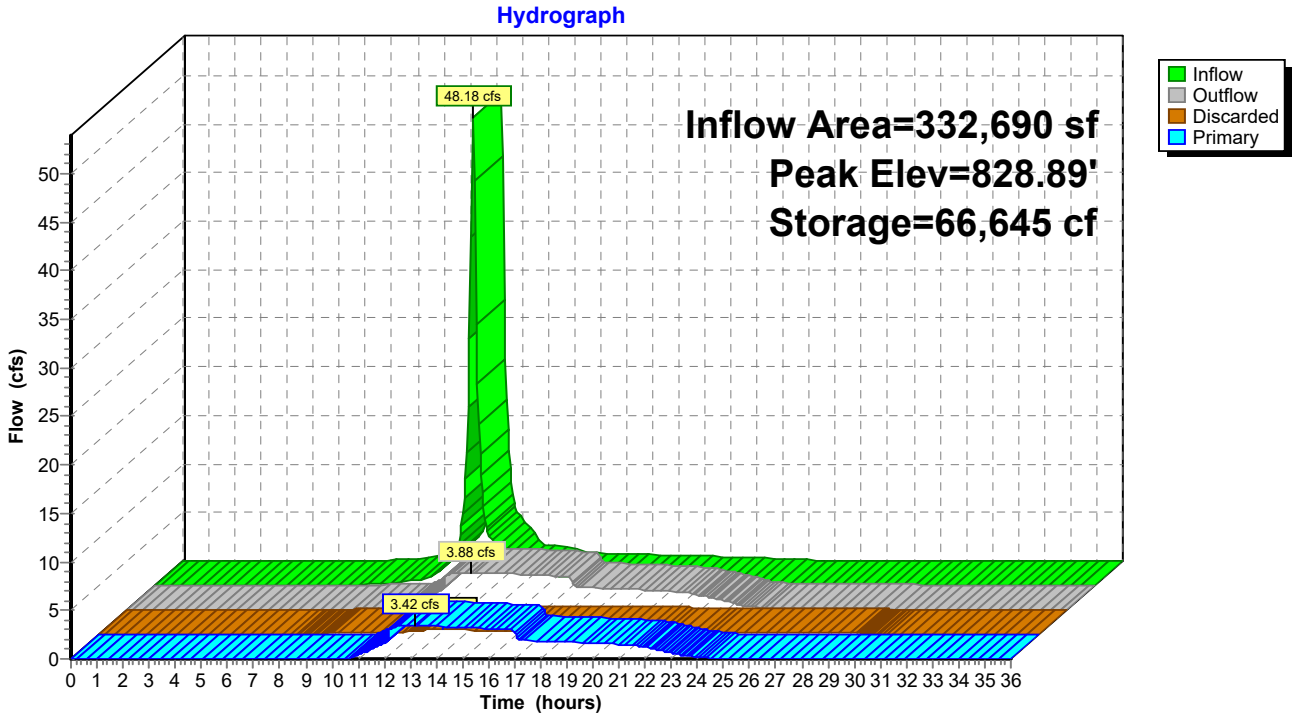
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 825.00 | 10,153 | 0 | 0 |
| 829.00 | 19,866 | 60,038 | 60,038 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 822.50' | **10.0" Round 10" Culvert**<br>L= 433.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 822.50' / 820.88' S= 0.0037 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |
| #2 | Device 1 | 822.50' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 827.00' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 822.00' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.46 cfs @ 13.18 hrs HW=828.89' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.46 cfs)

**Primary OutFlow** Max=3.42 cfs @ 13.18 hrs HW=828.89' (Free Discharge)
└**1=10" Culvert** (Barrel Controls 3.42 cfs @ 6.26 fps)
└**2=6" Drain Tile** (Passes < 2.34 cfs potential flow)
└**3=48" Standpipe** (Passes < 83.08 cfs potential flow)

## Pond B3: Bioretention Basin-3



## Summary for Pond B4: Bioretention Basin-4

Inflow Area = 410,715 sf, 37.19% Impervious, Inflow Depth = 3.44" for 100-Year event
Inflow = 42.17 cfs @ 12.23 hrs, Volume= 117,600 cf
Outflow = 6.01 cfs @ 12.87 hrs, Volume= 117,600 cf, Atten= 86%, Lag= 38.1 min
Discarded = 0.42 cfs @ 12.87 hrs, Volume= 16,326 cf
Primary = 5.59 cfs @ 12.87 hrs, Volume= 101,274 cf
Routed to Link 2L : Total Proposed Outfall

Routing by Stor-Ind method, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs
Peak Elev= 829.88' @ 12.87 hrs Surf.Area= 35,883 sf Storage= 58,856 cf

Plug-Flow detention time= 141.6 min calculated for 117,600 cf (100% of inflow)
Center-of-Mass det. time= 141.3 min ( 951.1 - 809.8 )

| Volume | Invert | Avail.Storage | Storage Description |
|---|---|---|---|
| #1 | 823.50' | 2,962 cf | **Stone Storage (Prismatic)** Listed below (Recalc)<br>8,894 cf Overall x 33.3% Voids |
| #2 | 824.50' | 3,602 cf | **Engineered Soil (Prismatic)** Listed below (Recalc)<br>13,341 cf Overall x 27.0% Voids |
| #3 | 826.00' | 54,570 cf | **Open Storage (Prismatic)** Listed below (Recalc) |
| | | 61,134 cf | Total Available Storage |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 823.50 | 8,894 | 0 | 0 |
| 824.50 | 8,894 | 8,894 | 8,894 |

| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 824.50 | 8,894 | 0 | 0 |
| 826.00 | 8,894 | 13,341 | 13,341 |

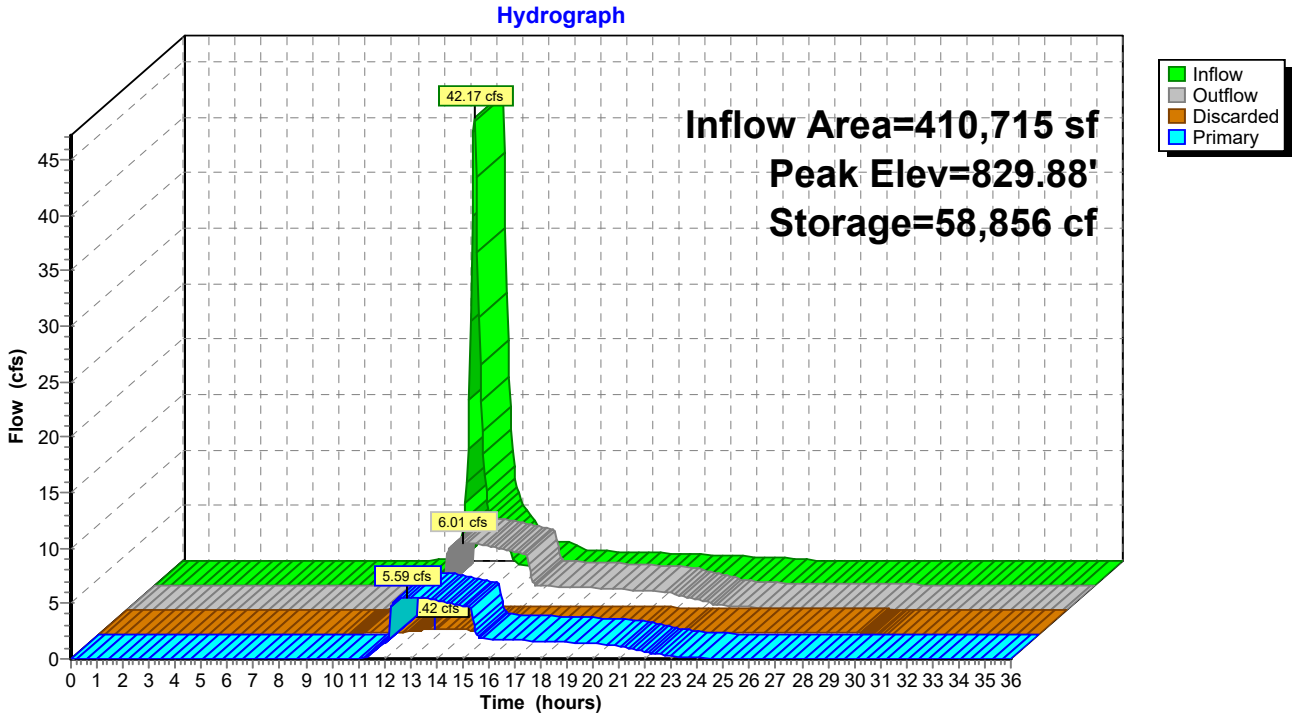
| Elevation (feet) | Surf.Area (sq-ft) | Inc.Store (cubic-feet) | Cum.Store (cubic-feet) |
|---|---|---|---|
| 826.00 | 8,894 | 0 | 0 |
| 830.00 | 18,391 | 54,570 | 54,570 |

| Device | Routing | Invert | Outlet Devices |
|---|---|---|---|
| #1 | Primary | 824.00' | **10.0" Round 10" Culvert**<br>L= 70.6' CPP, square edge headwall, Ke= 0.500<br>Inlet / Outlet Invert= 824.00' / 823.86' S= 0.0020 '/' Cc= 0.900<br>n= 0.010, Flow Area= 0.55 sf |
| #2 | Device 1 | 824.00' | **6.0" Vert. 6" Drain Tile** C= 0.600 Limited to weir flow at low heads |
| #3 | Device 1 | 828.00' | **48.0" Horiz. 48" Standpipe** C= 0.600<br>Limited to weir flow at low heads |
| #4 | Discarded | 823.50' | **0.500 in/hr Exfiltration over Surface area** |

**Discarded OutFlow** Max=0.42 cfs @ 12.87 hrs HW=829.87' (Free Discharge)
└**4=Exfiltration** (Exfiltration Controls 0.42 cfs)

**Primary OutFlow** Max=5.59 cfs @ 12.87 hrs HW=829.87' (Free Discharge)
└**1=10" Culvert** (Barrel Controls 5.59 cfs @ 10.26 fps)
└**2=6" Drain Tile** (Passes < 2.24 cfs potential flow)
└**3=48" Standpipe** (Passes < 82.84 cfs potential flow)

## Pond B4: Bioretention Basin-4

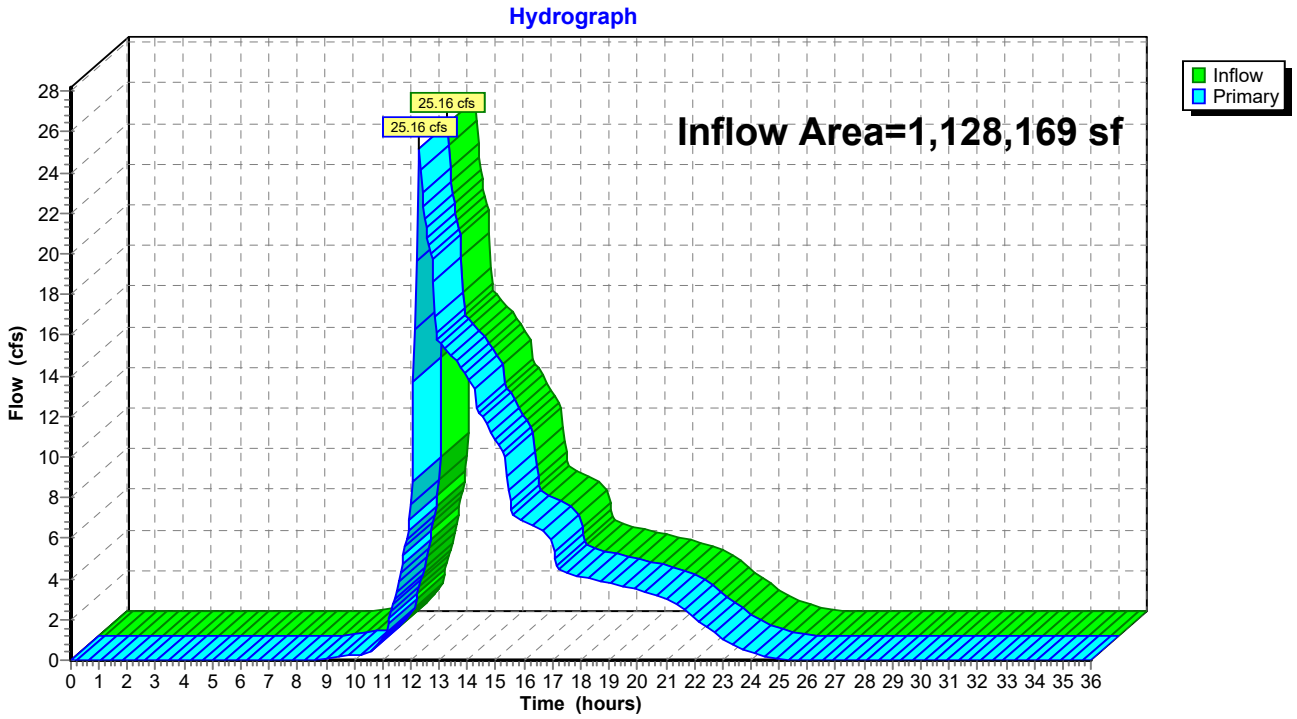


## Summary for Link 2L: Total Proposed Outfall

Inflow Area = 1,128,169 sf, 45.78% Impervious, Inflow Depth = 3.28" for 100-Year event
Inflow = 25.16 cfs @ 12.27 hrs, Volume= 308,445 cf
Primary = 25.16 cfs @ 12.27 hrs, Volume= 308,445 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-36.00 hrs, dt= 0.05 hrs

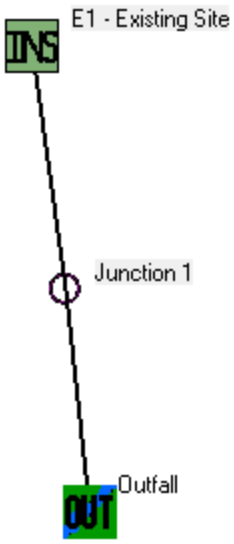
## Link 2L: Total Proposed Outfall



# Appendix D

## SLAMM Analysis

**Parkview Middle School – Mukwonago - Existing SLAMM Analysis**




Data file name: S:_SiteDsgn\Bray Architects\250140 Mukwonago SD Referendum 2024\SWMP\WinSLAMM\250140_WinSLAMM - Existing.mdb
WinSLAMM Version 10.5.0
Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Milwaukee WI 1969.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: 03-31-2025 Time: 09:55:07

Site information:

LU# 1 - Institutional: Institutional 1 Total area (ac): 25.899
1 - Roofs 1: 3.610 ac. Flat Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
13 - Paved Parking 1: 3.603 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 1.157 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 17.529 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

SLAMM for Windows Version 10.5.0
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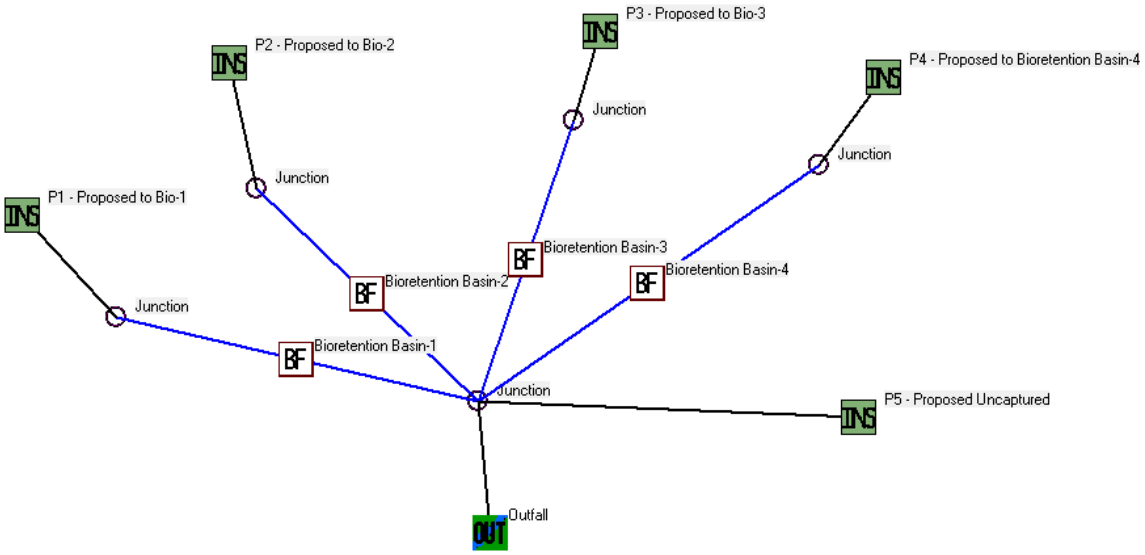
Data file name: S:_SiteDsgn\Bray Architects\250140 Mukwonago SD Referendum 2024\SWMP\WinSLAMM\250140_WinSLAMM - Existing.mdb
Data file description:
Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Milwaukee WI 1969.RAN
Particulate Solids Concentration file name: C:\WinSLAMM Files\v10.1 WI_AVG01.pscx
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
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: 03-31-2025 Time of run: 09:54:54
Total Area Modeled (acres): 25.899
Years in Model Run: 0.99

| | Runoff Volume | Percent Runoff Volume | Particulate Solids Conc | Particulate Solids Yield | Percent Particulate Solids Reduction |
|---|---|---|---|---|---|
| | (cu ft) | | (mg/L) | (lbs) | |
| **Total of all Land Uses without Controls:** | 751,643 | - | 97.42 | 4,571 | - |
| **Outfall Total with Controls:** | 751,639 | 0.00% | 97.42 | 4,571 | 0.00% |
| **Annualized Total After Outfall Controls:** | 762,079 | | | 4,635 | |

| | Concentration – No Controls | Concentration – With Controls | Pollutant Yield - No Controls | Pollutant Yield - With Controls | Percent Reduction |
|---|---|---|---|---|---|
| | (mg/L) | (mg/L) | (lbs) | (lbs) | |
| **Particulate Solids** | 97.42 | 97.42 | 4,571 | 4,571 | 0.00% |
| **Particulate Phosphorus** | 0.2869 | 0.2869 | 13.46 | 13.46 | 0.00% |
| **Filterable Phosphorus** | 0.1116 | 0.1116 | 5.236 | 5.236 | 0.00% |
| **Total Phosphorus** | 0.3985 | 0.3985 | 18.70 | 18.70 | 0.00% |

**Parkview Middle School – Mukwonago - Proposed SLAMM Analysis**




Data file name: S:_SiteDsgn\Bray Architects\250140 Mukwonago SD Referendum 2024\SWMP\WinSLAMM\250140_WinSLAMM.mdb
WinSLAMM Version 10.5.0
Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Milwaukee WI 1969.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: 03-31-2025 Time: 10:00:23
Site information:

LU# 1 - Institutional: P1 - Proposed to Bio-1 Total area (ac): 3.680
13 - Paved Parking 1: 1.761 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.217 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 1.702 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 2 - Institutional: P2 - Proposed to Bio-2 Total area (ac): 2.432
1 - Roofs 1: 1.034 ac. Flat Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
13 - Paved Parking 1: 0.681 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.118 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
51 - Small Landscaped Areas 1: 0.599 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 3 - Institutional: P3 - Proposed to Bio-3 Total area (ac): 7.637
1 - Roofs 1: 2.582 ac. Flat Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
13 - Paved Parking 1: 1.558 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.355 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 3.142 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 4 - Institutional: P4 - Proposed to Bioretention Basin-4 Total area (ac): 9.428
13 - Paved Parking 1: 2.116 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 1.390 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
45 - Large Landscaped Areas 1: 5.922 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 5 - Institutional: P5 - Proposed Uncaptured Total area (ac): 2.720
13 - Paved Parking 1: 0.023 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.020 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
51 - Small Landscaped Areas 1: 2.677 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

Control Practice 1: Biofilter CP# 1 (DS) - Bioretention Basin-1

1. Top area (square feet) = 9023
2. Bottom aea (square feet) = 3309
3. Depth (ft): 7
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.5
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) 1
10. Porosity of rock filled volume = 0.33

11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 2
13. Engineered soil porosity = 0.27
14. Percent solids reduction due to flow through engineered soil = 80
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

User-Defined Media Type 1.000

Biofilter Outlet/Discharge Characteristics:

Outlet type: Broad Crested Weir

1. Weir crest length (ft): 0.01
2. Weir crest width (ft): 0.01
3. Height of datum to bottom of weir opening: 6.99

Outlet type: Vertical Stand Pipe

1. Stand pipe diameter (ft): 4
2. Stand pipe height above datum (ft): 5

Outlet type: Drain Tile/Underdrain

1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0.5
3. Number of underdrain outlets: 1

Control Practice 2: Biofilter CP# 2 (DS) - Bioretention Basin-2

1. Top area (square feet) = 6111
2. Bottom aea (square feet) = 2178
3. Depth (ft): 7
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.5
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) 1
10. Porosity of rock filled volume = 0.33
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 2
13. Engineered soil porosity = 0.27
14. Percent solids reduction due to flow through engineered soil = 80
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

User-Defined Media Type 1.000

Biofilter Outlet/Discharge Characteristics:

Outlet type: Broad Crested Weir

1. Weir crest length (ft): 0.01
2. Weir crest width (ft): 0.01
3. Height of datum to bottom of weir opening: 6.99

Outlet type: Vertical Stand Pipe

1. Stand pipe diameter (ft): 3
2. Stand pipe height above datum (ft): 5

Outlet type: Drain Tile/Underdrain

1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0.5
3. Number of underdrain outlets: 1

Control Practice 3: Biofilter CP# 3 (DS) - Bioretention Basin-3

1. Top area (square feet) = 19866
2. Bottom aea (square feet) = 10153
3. Depth (ft): 7
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.5
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) 1
10. Porosity of rock filled volume = 0.33
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 2
13. Engineered soil porosity = 0.27
14. Percent solids reduction due to flow through engineered soil = 80
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

User-Defined Media Type 1.000

Biofilter Outlet/Discharge Characteristics:

Outlet type: Broad Crested Weir

1. Weir crest length (ft): 0.01
2. Weir crest width (ft): 0.01
3. Height of datum to bottom of weir opening: 6.99

Outlet type: Vertical Stand Pipe

1. Stand pipe diameter (ft): 4
2. Stand pipe height above datum (ft): 5

Outlet type: Drain Tile/Underdrain

1. Underdrain outlet diameter (ft): 0.5

2. Invert elevation above datum (ft): 0.5
3. Number of underdrain outlets: 1

Control Practice 4: Biofilter CP# 4 (DS) - Bioretention Basin-4

1. Top area (square feet) = 18391
2. Bottom aea (square feet) = 8894
3. Depth (ft): 6.5
4. Biofilter width (ft) - for Cost Purposes Only: 10
5. Infiltration rate (in/hr) = 0.5
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) 1
10. Porosity of rock filled volume = 0.33
11. Engineered soil infiltration rate: 3.6
12. Engineered soil depth (ft) = 1.5
13. Engineered soil porosity = 0.27
14. Percent solids reduction due to flow through engineered soil = 80
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
User-Defined Media Type 1.000
Biofilter Outlet/Discharge Characteristics:
Outlet type: Broad Crested Weir

1. Weir crest length (ft): 0.01
2. Weir crest width (ft): 0.01
3. Height of datum to bottom of weir opening: 6.49

Outlet type: Vertical Stand Pipe

1. Stand pipe diameter (ft): 4
2. Stand pipe height above datum (ft): 4.5

Outlet type: Drain Tile/Underdrain

1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0.5
3. Number of underdrain outlets: 1

SLAMM for Windows Version 10.5.0
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Data file name: S:_SiteDsgn\Bray Architects\250140 Mukwonago SD Referendum 2024\SWMP\WinSLAMM\250140_WinSLAMM.mdb
Data file description:
Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Milwaukee WI 1969.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
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: 03-31-2025 Time of run: 10:04:13
Total Area Modeled (acres): 25.897
Years in Model Run: 0.99

| | **Runoff Volume** | **Percent Runoff Volume** | **Particulate Solids Conc** | **Particulate Solids Yield** | **Percent Particulate Solids Reduction** |
|---|---|---|---|---|---|
| | (cu ft) | | (mg/L) | (lbs) | |
| **Total of all Land Uses without Controls:** | 1,001,000 | - | 99.74 | 6,233 | - |
| **Outfall Total with Controls:** | 444,593 | 55.59% | 27.43 | 761.4 | 87.78% |
| **Annualized Total After Outfall Controls:** | 450,768 | | | 772.0 | |

| | **Concentration – No Controls** | **Concentration – With Controls** | **Pollutant Yield - No Controls** | **Pollutant Yield - With Controls** | **Percent Reduction** |
|---|---|---|---|---|---|
| | (mg/L) | (mg/L) | (lbs) | (lbs) | |
| **Particulate Solids** | 99.74 | 27.43 | 6,233 | 761.4 | 87.78% |
| **Particulate Phosphorus** | 0.2460 | 0.08198 | 15.37 | 2.275 | 85.20% |
| **Filterable Phosphorus** | 0.08717 | 0.1022 | 5.448 | 2.836 | 47.94% |
| **Total Phosphorus** | 0.3332 | 0.1842 | 20.82 | 5.111 | 75.45% |

# Appendix E

| | |
|---|---|
| **SWMP-1** | **Aerial View of Pre-Developed Site Conditions** |
| **SWMP-2** | **Pre-Developed Site Conditions** |
| **SWMP-3** | **Post-Developed Site Conditions** |
| **SWMP-4** | **Pre-Developed Drainage Conditions** |
| **SWMP-5** | **Post-Developed Drainage Conditions** |

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: AERIAL VIEW OF PRE-DEVELOPED SITE CONDITIONS

Sheet Number: SWMP-1

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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St,
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|


BRAY ARCHITECTS

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Milwaukee, Wisconsin 53204
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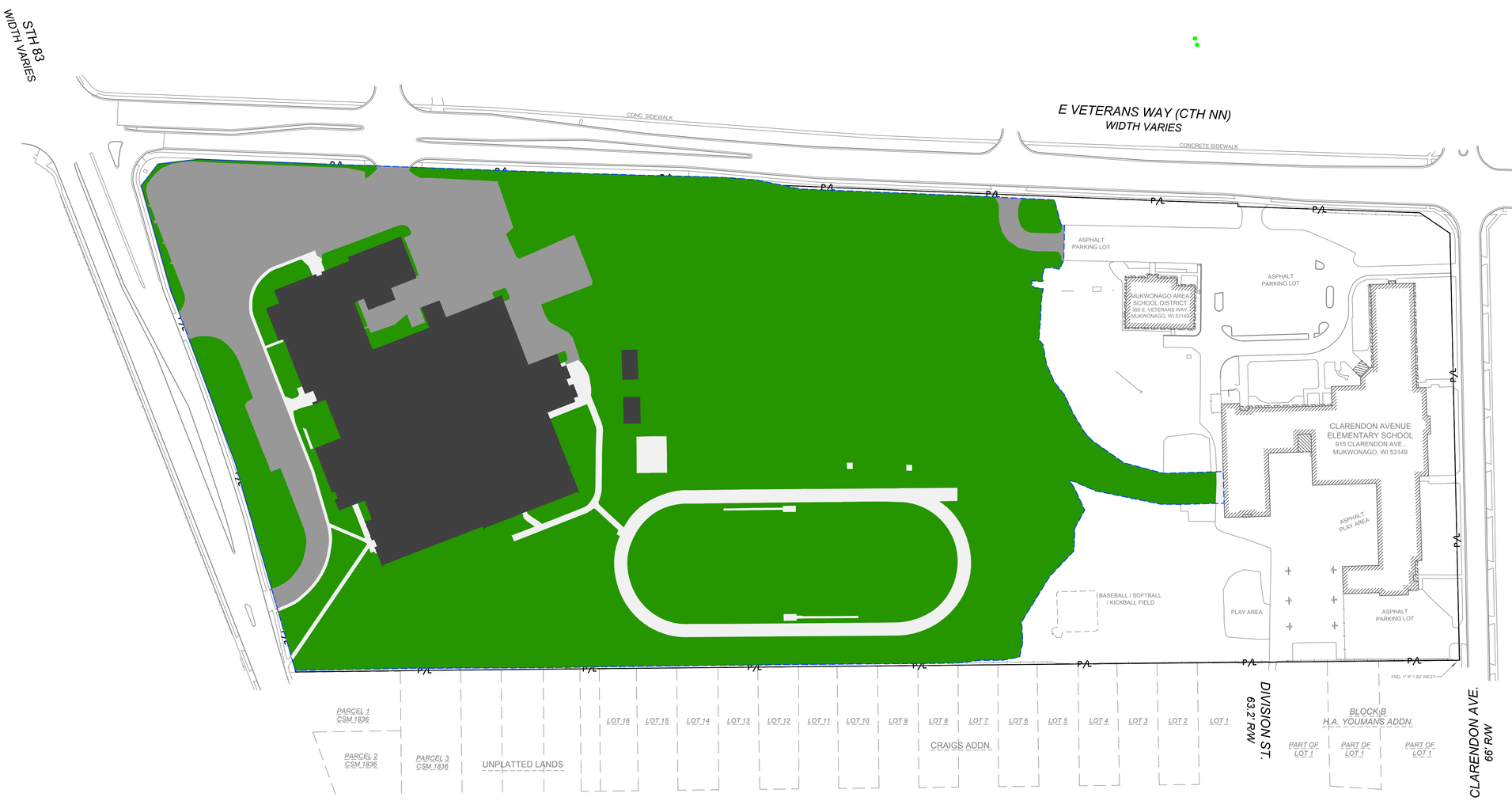
6/21/2024 1:34:47 PM




Scale: 0 40 80 160

Scale: 1" = 80'

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## LEGEND

SWMP LIMITS

## EXISTING PERVIOUS VS. IMPERVIOUS AREAS

| | SQUARE FEET | ACRES |
|---|---|---|
| AREA OF SUBJECT SITE (SWMP LIMITS) | 1,128,169 SQUARE FEET | 25.90 ACRES |
| IMPERVIOUS AREAS | | |
| BUILDING / ALTERNATE BUILDING AREA | 157,259 SQUARE FEET | 3.61 ACRES |
| DRIVEWAY / ROADWAY AREA | 156,956 SQUARE FEET | 3.60 ACRES |
| SIDEWALK / PEDESTRIAN AREAS | 50,411 SQUARE FEET | 1.16 ACRES |
| TOTAL EXISTING IMPERVIOUS AREA | 364,626 SQUARE FEET | 8.37 ACRES |
| | | |
| PERVIOUS AREAS | | |
| TOTAL EXISTING PERVIOUS AREA | 763,543 SQUARE FEET | 17.53 ACRES |

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Milwaukee, Wisconsin 53204
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Project Title:
**RENOVATION AND ADDITION TO:**
**Park View Middle School**
**Mukwonago Area School District**
**930 N Rochester St.**
**Mukwonago, WI 53149**

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

**NOT FOR CONSTRUCTION**

Project Number:
**3526**

Issued For:
**PLAN COMMISSION SUBMITTAL**
**4/2/2025**

Sheet Title:
**PRE-DEVELOPED SITE CONDITIONS**

Sheet Number:
**SWMP-2**

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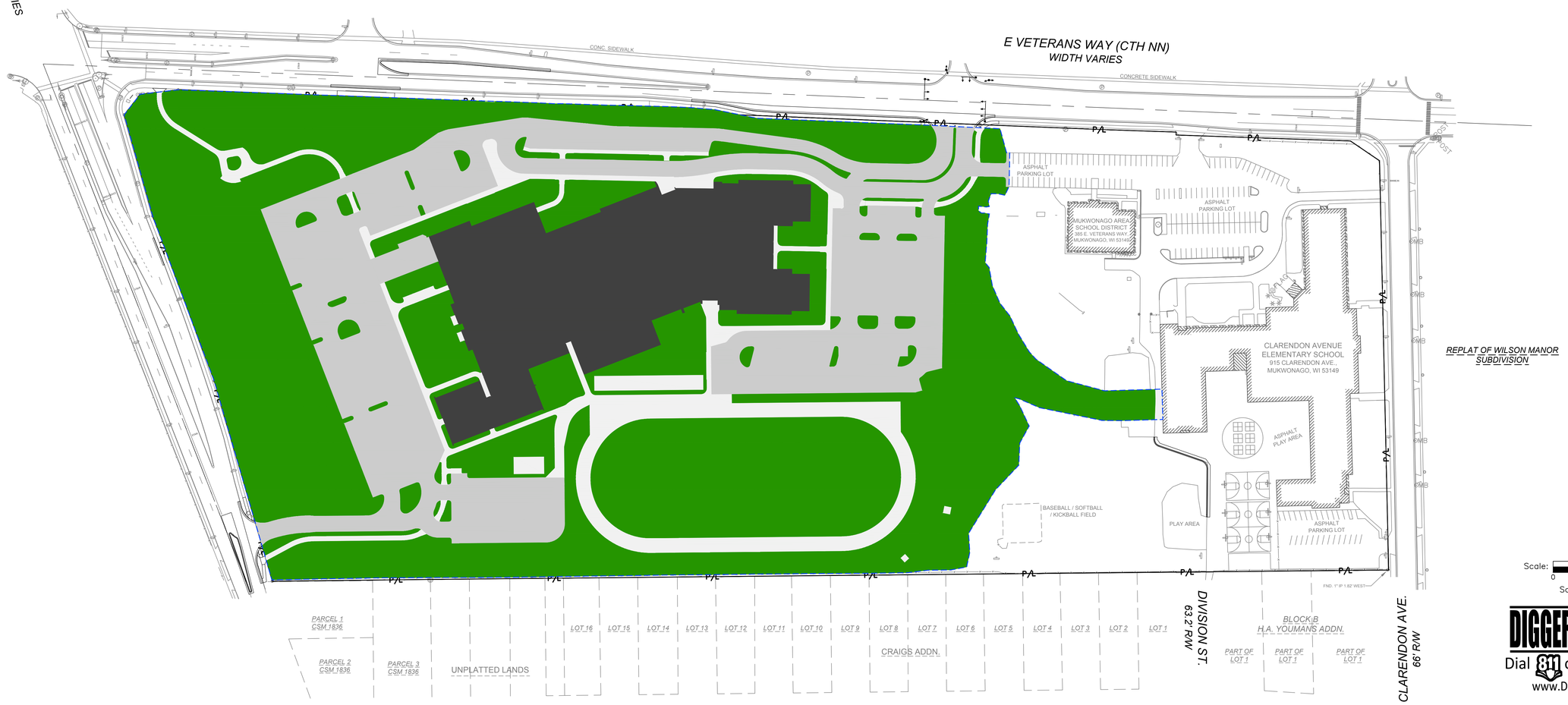


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Scale: 1" = 80'

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## LEGEND

SWMP LIMITS

## PROPOSED PERVIOUS VS. IMPERVIOUS AREAS

| | SQUARE FEET | ACRES |
|---|---|---|
| AREA OF SUBJECT SITE (SWMP LIMITS) | 1,128,169 SQUARE FEET | 25.90 ACRES |
| IMPERVIOUS AREAS | | |
| BUILDING / ALTERNATE BUILDING AREA | 157,510 SQUARE FEET | 3.62 ACRES |
| DRIVEWAY / ROADWAY AREA | 267,418 SQUARE FEET | 6.14 ACRES |
| SIDEWALK / PEDESTRIAN AREAS | 91,496 SQUARE FEET | 2.10 ACRES |
| TOTAL PROPOSED IMPERVIOUS AREA | 516,424 SQUARE FEET | 11.86 ACRES |
| PERVIOUS AREAS | | |
| TOTAL PROPOSED PERVIOUS AREA | 611,745 SQUARE FEET | 14.04 ACRES |

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REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

**NOT FOR CONSTRUCTION**

Project Number: **3526**

Issued For: **PLAN COMMISSION SUBMITTAL** 4/2/2025

Sheet Title: **POST DEVELOPED SITE CONDITIONS**

Sheet Number: SWMP-3

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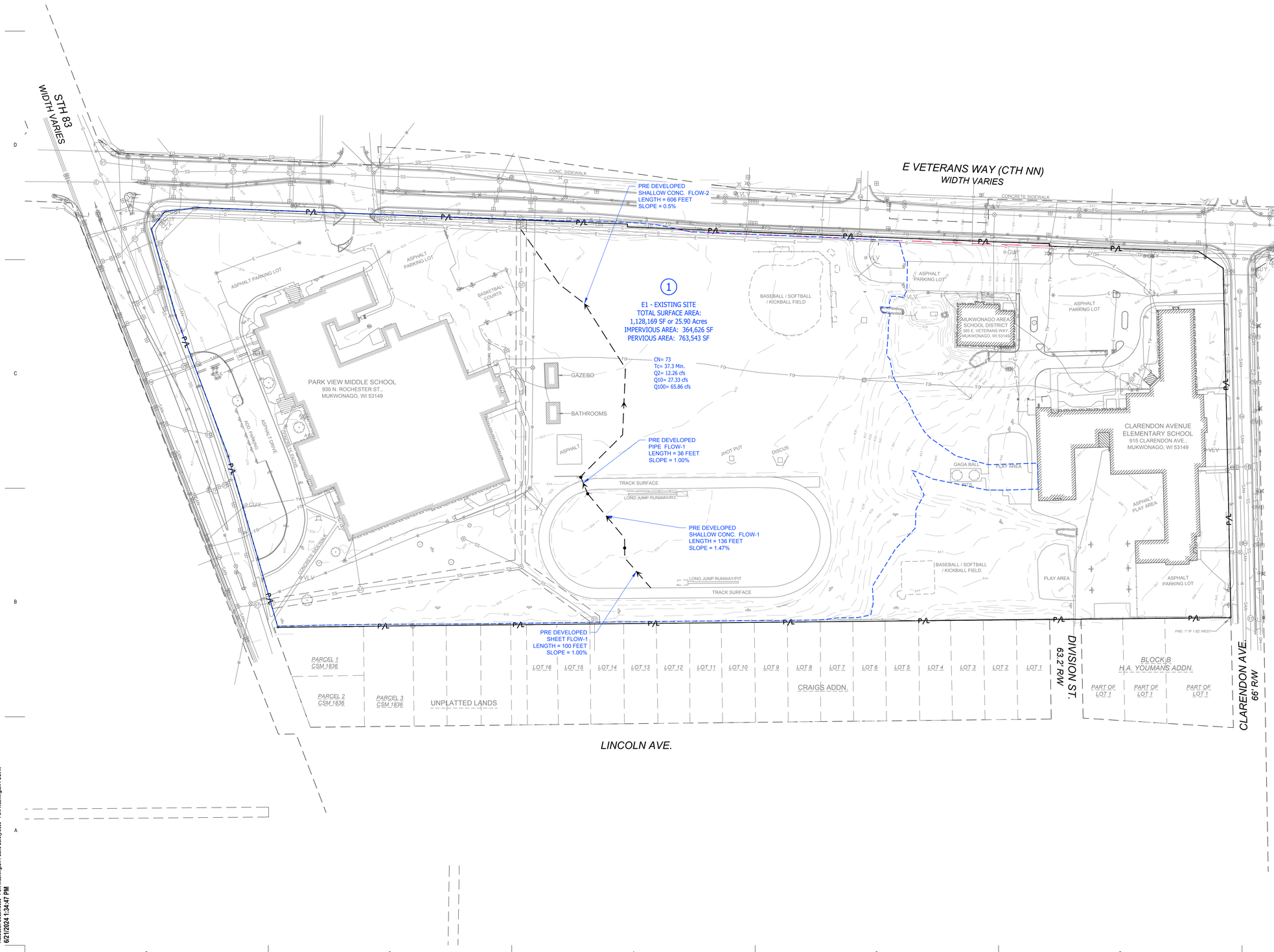


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Scale: 0 40 80 160
Scale: 1" = 80'

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Project Title:
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Park View Middle School
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Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: PRE-DEVELOPED SITE DRAINAGE CONDITIONS

Sheet Number: SWMP-4

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STH 83
WIDTH VARIES

E VETERANS WAY (CTH NN)
WIDTH VARIES

CONC. SIDEWALK

CONCRETE SIDEWALK

POST DEVELOPED
SHALLOW CONC. FLOW-1
LENGTH = 50 FEET
SLOPE = 1.20%

POST DEVELOPED
SHEET FLOW-1
LENGTH = 100 FEET
SLOPE = 2.50%

P/L

3
P3 - PROPOSED TO BIO-3
TOTAL SURFACE AREA:
332,690 SF or 7.64 Acres
IMPERVIOUS AREA: 195,803 SF
PERVIOUS AREA: 136,887 SF

CN= 95
Tc= 6.0 Min.
Q2= 13.98 cfs
Q10= 24.50 cfs
Q100= 48.18 cfs

4
P4 - PROPOSED TO BIO-4
TOTAL SURFACE AREA:
410,715 SF or 9.43 Acres
IMPERVIOUS AREA: 152,739 SF
PERVIOUS AREA: 257,976 SF

CN= 75
Tc= 14.6 Min.
Q2= 8.91 cfs
Q10= 18.52 cfs
Q100= 42.17 cfs

POST DEVELOPED
SHEET FLOW-1
LENGTH = 100 FEET
SLOPE = 1.00%

POST DEVELOPED
SHALLOW CONC. FLOW-1
LENGTH = 19 FEET
SLOPE = 1.00%

2
P2 - PROPOSED TO BIO-2
TOTAL SURFACE AREA:
105,983 SF or 2.43 Acres
IMPERVIOUS AREA: 79,878 SF
PERVIOUS AREA: 26,105 SF

CN= 89
Tc= 6.0 Min.
Q2= 7.01 cfs
Q10= 11.11 cfs
Q100= 19.86 cfs

1
P1 - PROPOSED TO BIO-1
TOTAL SURFACE AREA:
160,309 SF or 3.68 Acres
IMPERVIOUS AREA: 86,153 SF
PERVIOUS AREA: 74,156 SF

CN= 81
Tc= 14.3 Min.
Q2= 5.18 cfs
Q10= 9.46 cfs
Q100= 19.36 cfs

POST DEVELOPED
SHALLOW CONC. FLOW-2
LENGTH = 53 FEET
SLOPE = 11.70%

POST DEVELOPED
SHEET FLOW-2
LENGTH = 89 FEET
SLOPE = 1.68%

POST DEVELOPED
SHEET FLOW-1
LENGTH = 11 FEET
SLOPE = 1.50%

POST DEVELOPED
SHALLOW CONC. FLOW-1
LENGTH = 194 FEET
SLOPE = 2.06%

CLARENDON AVENUE
ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

ASPHALT PLAY AREA

PLAY AREA

BASEBALL / SOFTBALL / KICKBALL FIELD

ASPHALT PARKING LOT

POST DEVELOPED
SHEET FLOW-1
LENGTH = 100 FEET
SLOPE = 1.00%

POST DEVELOPED
SHALLOW CONC. FLOW-1
LENGTH = 86 FEET
SLOPE = 1.00%

5
P5 - PROPOSED UNCAPTURED
TOTAL SURFACE AREA:
118,472 SF or 2.72 Acres
IMPERVIOUS AREA: 1,851 SF
PERVIOUS AREA: 116,621 SF

CN= 62
Tc= 15.1 Min.
Q2= 0.58 cfs
Q10= 2.26 cfs
Q100= 7.52 cfs

PROPOSED BUILDING FFE = 834.50

EXISTING BUILDING FFE = 834.50

PARCEL 1 CSM 1836

PARCEL 2 CSM 1836

PARCEL 3 CSM 1836

UNPLATTED LANDS

LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5 LOT 4 LOT 3 LOT 2 LOT 1

CRAIGS ADDN.

DIVISION ST.
66' R/W

BLOCK B
H.A. YOUMANS ADDN.

PART OF LOT 1 PART OF LOT 1 PART OF LOT 1

CLARENDON AVE.
66' R/W

LINCOLN AVE.

REPLAT OF WILSON MANOR SUBDIVISION

FND. 1" IP 1.82' WEST

N

Scale: 0 40 80 160
Scale: 1" = 80'

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LEGEND
SWMP LIMITS

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Project Title:
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930 N Rochester St.
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REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number:
3526

Issued For:
PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
POST DEVELOPED SITE DRAINAGE CONDITIONS

Sheet Number:
SWMP-5

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# Appendix F

## Civil Engineering Plan Set

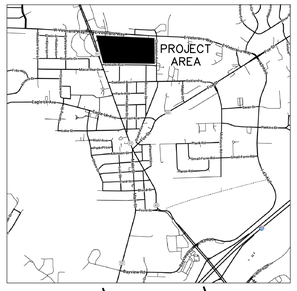
# PLAT OF SURVEY WITH TOPOGRAPHY

PART OF THE SOUTHEAST 1/4 OF SECTION 23, TOWNSHIP 5 NORTH, RANGE 18 EAST, IN THE VILLAGE (FORMERLY IN THE TOWN) OF MUKWONAGO, COUNT OF WAUKESHA, STATE OF WISCONSIN.

BEARINGS ARE REFERENCED TO NAD83 WISCONSIN STATE PLANE – SOUTH ZONE VERTICAL DATUM IS NAVD 88

## VICINITY MAP

NOT TO SCALE

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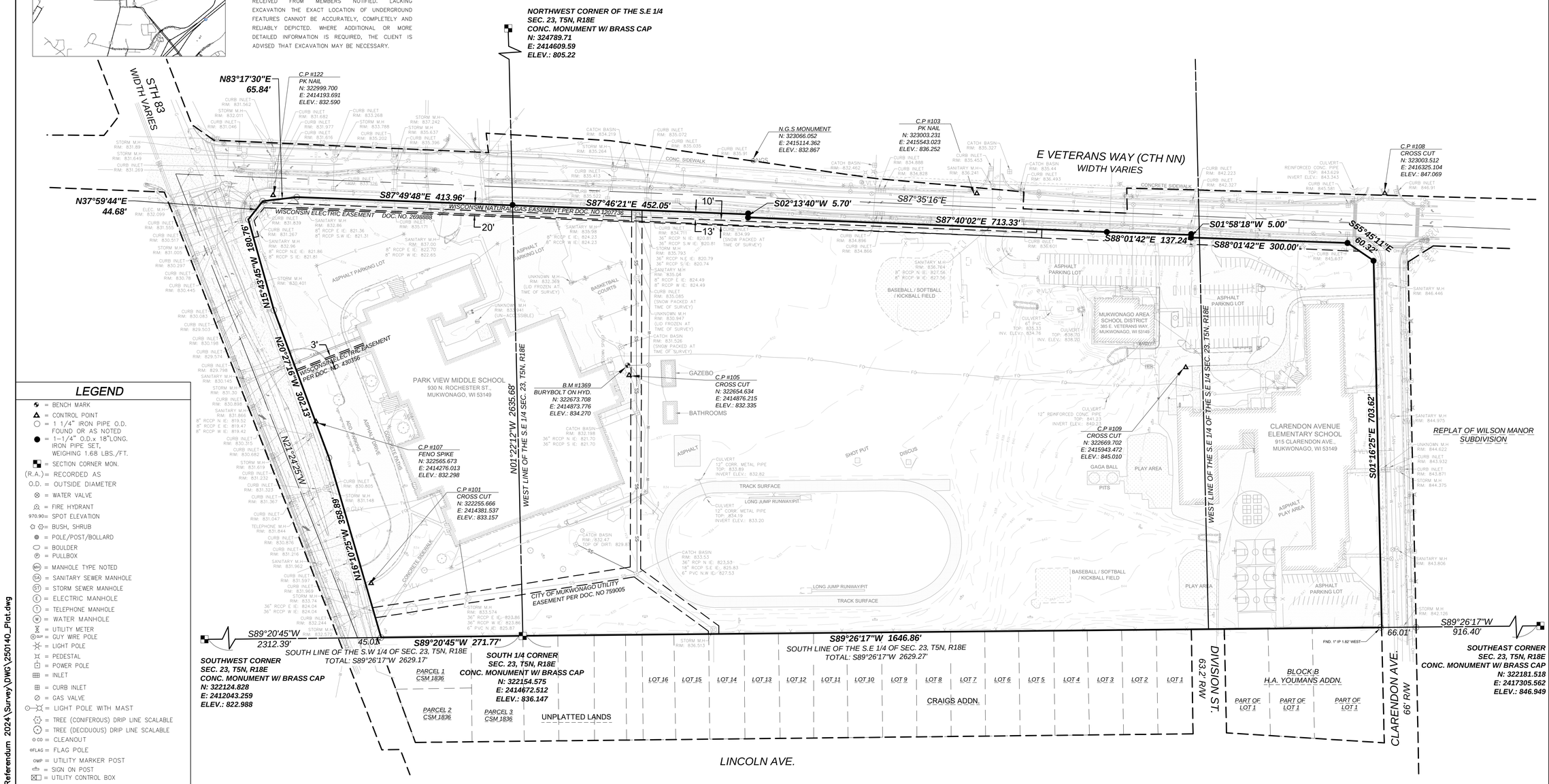
Milwaukee Area (414)259-1181
Hearing Impaired TDD (800)542-2289
www.DiggersHotline.com
REGISTER'S HOTLINE TICKETS:
20244908553, 20244908556, 20244908564, 20244908567, 20244908581, 20244908582, 20245002221, 20245002224, 20245002227, 20245002231, 20245002238, 20245002239.

ALTHOUGH DIGGERS' HOTLINE WAS NOTIFIED THIS SURVEY DOES NOT GUARANTEE THAT ALL UTILITIES HAVE BEEN LOCATED ON SITE. SOME OF THE UTILITIES MAY HAVE BEEN DRAWN IN PER PLAN BASED ON MAPS RECEIVED FROM MEMBERS NOTIFIED. LACKING EXCAVATION THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.




## LEGEND

- = BENCH MARK
- = CONTROL POINT
- = 1 1/4" IRON PIPE O.D. FOUND OR AS NOTED
- = 1-1/4" O.D.x 18"LONG. IRON PIPE SET, WEIGHING 1.68 LBS./FT.
- = SECTION CORNER MON.
- (R.A.)= RECORDED AS
- O.D. = OUTSIDE DIAMETER
- = WATER VALVE
- = FIRE HYDRANT
- 970.90= SPOT ELEVATION
- = BUSH, SHRUB
- = POLE/POST/BOLLARD
- = BOULDER
- = PULLBOX
- (MH) = MANHOLE TYPE NOTED
- (SA) = SANITARY SEWER MANHOLE
- (ST) = STORM SEWER MANHOLE
- (E) = ELECTRIC MANHOLE
- (T) = TELEPHONE MANHOLE
- (W) = WATER MANHOLE
- = UTILITY METER
- (GUY) = GUY WIRE POLE
- = LIGHT POLE
- = PEDESTAL
- = POWER POLE
- = INLET
- = CURB INLET
- = GAS VALVE
- = LIGHT POLE WITH MAST
- = TREE (CONIFEROUS) DRIP LINE SCALABLE
- = TREE (DECIDUOUS) DRIP LINE SCALABLE
- (CO) = CLEANOUT
- (FLAG) = FLAG POLE
- (UMP) = UTILITY MARKER POST
- = SIGN ON POST
- = UTILITY CONTROL BOX
- (VLV) = UNKNOWN UTILITY VALVE
- FL. EL. = FIRST FLOOR ELEVATION
- = BUILDING OUTLINE
- 3 = MINOR CONTOUR
- 5 = MAJOR CONTOUR
- = FENCE
- = BEAM GUARD
- = CHAINLINK FENCE
- = WOODED AREA/SHRUB EDGE
- W = WATER MAIN
- ST = STORM SEWER
- SAN = SANITARY SEWER
- G = NATURAL GAS MAIN
- T = UNDERGROUND TELEPHONE
- E = UNDERGROUND ELECTRIC
- OH = OVERHEAD UTILITY LINES
- FO = UNDERGROUND FIBER OPTIC
- TV = UNDERGROUND CABLE TV
- C = COMMUNICATION CONDUIT
- (P) = UTILITIES PER PLAN
- = ASPHALT SURFACE
- = CONCRETE SURFACE
- = GRAVEL / CRUSHED AGG. SURFACE

## LEGAL DESCRIPTION:

PROVIDED BY: KNIGHT BARRY TITLE GROUP
FILE #: 2310623. EFFECTIVE DATE: DECEMBER 20, 2024.

All that part of the Southeast 1/4 of Section 23, Township 5 North, Range 18 East, in the Village (formerly in the Town) of Mukwonago, County of Waukesha, State of Wisconsin, described as follows: Beginning at a point on the South line of said Section 23 located 985 feet West of the Southeast corner of said Section 23; thence North 751.5 feet; thence North 86°30' West parallel to County Trunk Highway "EE" a distance of 678.3 feet; thence South 792.9 feet; thence East 677 feet to the place of beginning. The place of beginning can be further described as being 35 feet West of the intersection of the center line of Clarendon Street with the South line of said Section 23.

ALSO

All that part of the Southwest 1/4 and Southeast 1/4 of Section 23, Township 5 North, Range 18 East, in the Village (formerly in the Town) of Mukwonago, County of Waukesha, State of Wisconsin, described as follows: Beginning at the South quarter corner of said Section 23; thence 319.4 feet West on the South line of said Section 23 to the center line of State Trunk Highway 83; thence North 20° 36' West on the center line of said State Trunk Highway 83, 954.4 feet to the intersection with the center line of County Trunk Highway "EE"; thence South 87° East along the centerline of said County Trunk Highway "EE" 1615.7 feet; thence South 809.4 feet to the South line of said Section 23; thence West on said South section line 968.8 feet to the point of beginning.

ALSO

All of Division Street adjoining the East line of Lot 1, Block 1, of Craigs Addition to the Village of Mukwonago, in the North 1/2 of Section 26, Town 5 North, Range 18 East, in the Village of Mukwonago, County of Waukesha, State of Wisconsin, EXCEPTING THEREFROM the West 16 feet thereof.

EXCEPTING THEREFROM those lands conveyed to State of Wisconsin, Department of Transportation as described in Document No. 1347347. FURTHER EXCEPTING THEREFROM those lands conveyed to the State of Wisconsin, Department of Transportation as described in Warranty Deed recorded as Document No. 2672831, as corrected by Affidavit of Correction recorded as Document No. 3389564. AND FURTHER EXCEPTING THEREFROM those lands conveyed to Waukesha County as described in Warranty Deed recorded as Document No. 4226126.

For informational purposes only:
Property Address: 385 East Veterans Way, Mukwonago, WI 53149
Tax Key Number: MUKV 1964.992

SURVEYOR'S CERTIFICATE:

I, Brian Sandberg do hereby certify that that under My direction and control the above described property was surveyed on 12/31/2024 in accordance with AE-7 of the Wisconsin Administrative Code and is correct to the best of my knowledge and belief.

Brian E. Sandberg S-2500
February 19th, 2025.

FILENAME: S:_SiteDagn\Broy Architects\250140 Mukwonago SD Referendum 2024\Survey\DWG\250140_Plat.dwg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Milwaukee, Wisconsin 53217
kapurinc.com


PROJECT:
MUKWONAGO AREA SCHOOL DISTRICT

LOCATION:
385 E. VETERANS WAY, MUKWONAGO, WI 53149

CLIENT:
BRAY ARCHITECTS

RELEASE:
FINAL

REVISIONS:

| # | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

NORTH ARROW:

SCALE: 1" = 80'
0 40' 80' 160'

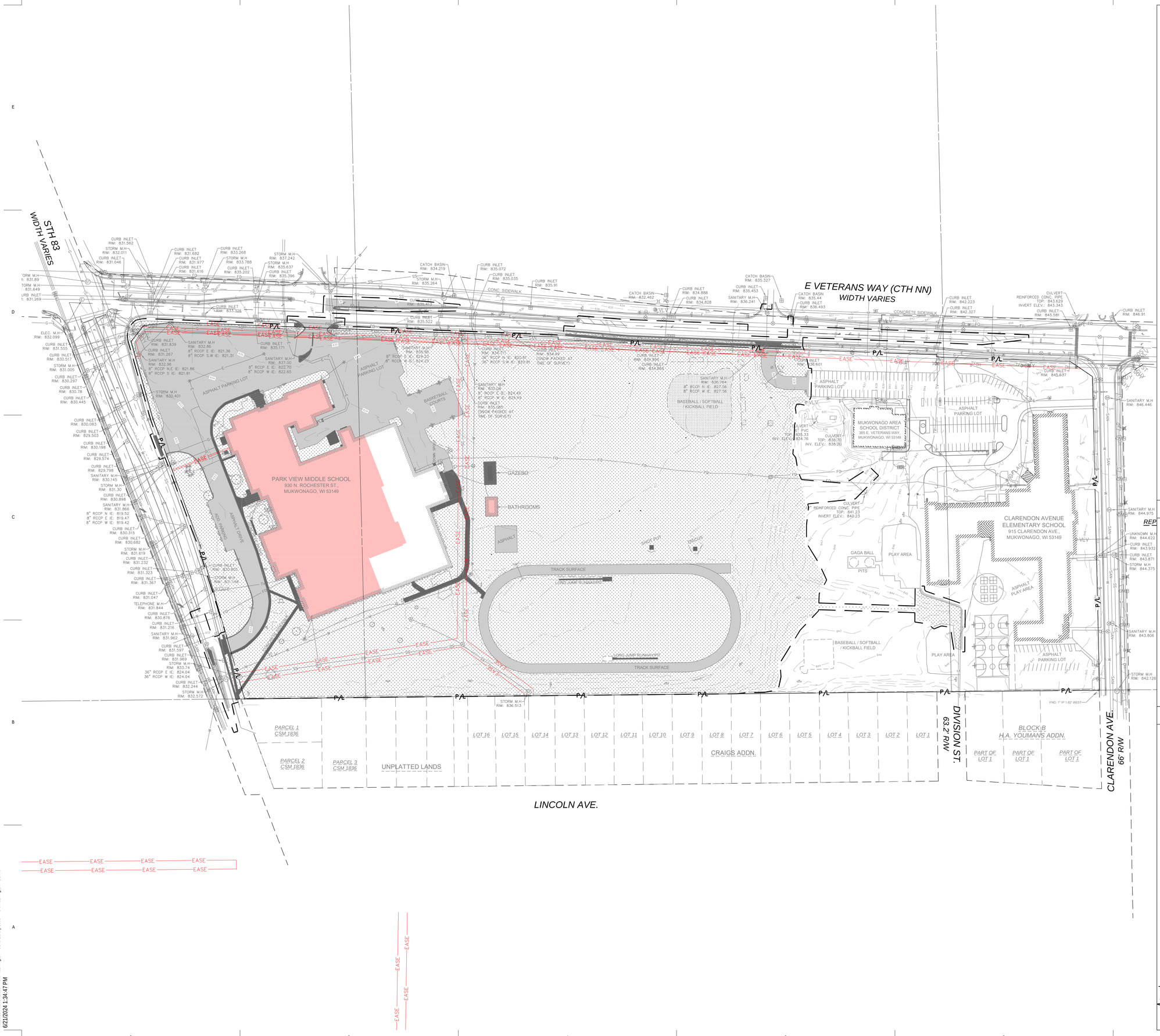
SEAL:
WISCONSIN
BRIAN SANDBERG
S-2500
PORT WASHINGTON
WISCONSIN
LAND SURVEYOR

all in

SHEET:
PLAT OF SURVEY WITH TOPOGRAPHY

| | |
|---|---|
| PROJECT MANAGER: | M.F |
| PROJECT NUMBER: | 25.0140 |
| DATE: | 02/19/2025 |

SHEET NUMBER:
SU1.10

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Scale: 1" = 80'

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## DEMOLITION NOTES

1. CONSULT WITH OWNER TO DETERMINE A SAFE STORAGE LOCATION OF ITEMS SPECIFICALLY CALLED OUT TO BE SALVAGED FOR OWNER REUSE. EXERCISE CARE DURING REMOVAL AND TRANSPORT TO PREVENT DAMAGE.
2. THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITY, PROPERTY OWNER, AND DIGGERS HOTLINE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
3. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL APPLY FOR AND OBTAIN ALL THEIR REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF THEIR WORK. CONSULT WITH AND OBTAIN FROM ENGINEER COPIES OF ENGINEERING DESIGN APPROVAL PERMITS, INCLUDING BUT NOT LIMITED TO MDNR, STATE OR LOCAL PLUMBING, WDOT, COUNTY, AND STORM WATER MANAGEMENT.
4. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL CONTACT DIGGER'S HOTLINE TO ALLOW THEM SUFFICIENT TIME TO LOCATE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.
5. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL OTHER CONTRACTORS.
6. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND / OR RELOCATION / ELEVATION ADJUSTMENT OF ALL EXISTING PUBLIC OR PRIVATE UTILITIES WITHIN THE PROJECT LIMITS THAT MAY BE AFFECTED BY TOPOGRAPHICAL CHANGES, UTILITIES, OR OTHER PROPOSED CONSTRUCTION ON THE PROJECT, INCLUDING BUT NOT LIMITED TO ELECTRICAL / FIBER OPTIC / TELEPHONE / CABLE / GAS / WATER / SANITARY / STORM. DEMOLITION / RELOCATION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND UTILITY OWNER REGULATIONS.
7. FOR ALL WORK, GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR REVIEWING BID DOCUMENTS, VERIFYING THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, AND INCLUDE IN THEIR CONTRACT THE RELOCATION OF SAID UTILITIES (NOTED OR NOT ON THE BID DOCUMENTS) AS NECESSARY TO PROVIDE PROPER DEPTH/CLEARANCE PER UTILITY OWNER'S REQUIREMENTS.

## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- VEGETATION TO BE REMOVED & DISPOSED OF OFFSITE. IF SUITABLE FOR REUSE, TOPSOIL TO BE STOCKPILED. UNUSED & UNSUITABLE TOPSOIL TO BE REMOVED OFFSITE. TOPSOIL THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
- ASPHALT PAVEMENT & BASE MATERIAL TO BE REMOVED TO SUB-BASE & DISPOSED OF OFFSITE. PAVEMENT & BASE THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
- CONCRETE & BASE MATERIAL TO BE REMOVED TO SUB-BASE & DISPOSED OF OFFSITE. CONCRETE & BASE THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
- GRAVEL MATERIAL TO BE REMOVED & DISPOSED OF OFFSITE. IF SUITABLE FOR REUSE, GRAVEL TO BE STOCKPILED. UNUSED GRAVEL MATERIAL TO BE REMOVED OFFSITE. GRAVEL THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
- CLEAR & GRUB VEGETATION, REMOVE ROOTS & STUMPS. REMOVE & DISPOSE OF OFFSITE.
- EXISTING BUILDING & FOUNDATION TO BE RAZED. REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ASPHALT PAVEMENT & BASE MATERIAL TO BE PULVERIZED & REUSED AS PAVEMENT BASE MATERIAL. REFER TO SPECIFICATION SECTION 321216–ASPHALT PAVING.
- SCSCSCSC — SAWCUT FULL DEPTH
- X — TREES & STUMPS TO BE REMOVED
- DENOTES UTILITIES TO BE ABANDONED & REMOVED.
- AB — DENOTES UTILITIES TO BE ABANDONED IN PLACE.
- CAUTION — KNOWN UTILITY AND POTENTIAL CONFLICT EXIST
- ⊠ — UTILITY STRUCTURE REMOVAL/ABANDONMENT


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REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: OVERALL SITE DEMOLITION PLAN

Sheet Number: C1.10

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STH 83
WIDTH VARIES

MATCHLINE

CURB INLET
RIM: 831.562

STORM M.H
RIM: 832.011

CURB INLET
RIM: 831.046

CURB INLET
RIM: 831.682

CURB INLET
RIM: 831.977

CURB INLET
RIM: 831.616

CURB INLET
RIM: 833.268

STORM M.H
RIM: 833.788

CURB INLET
RIM: 835.202

STORM M.H
RIM: 837.242

STORM M.H
RIM: 835.637

CURB INLET
RIM: 835.396

CATCH BASIN
RIM: 834.219

STORM M.H
RIM: 835.264

M M.H
331.89

RM M.H
31.649

3 INLET
331.269

CURB INLET
RIM: 833.326

CURB INLET
RIM: 835.622

ELEC. M.H
RIM: 832.099

CURB INLET
RIM: 831.555

CURB INLET
RIM: 830.517

STORM M.H
RIM: 831.005

CURB INLET
RIM: 830.297

CURB INLET
RIM: 830.78

CURB INLET
RIM: 830.445

CURB INLET
RIM: 831.839

CURB INLET
RIM: 831.267

SANITARY M.H
RIM: 832.96
8" RCCP N.E IE: 821.86
8" RCCP S IE: 821.81

SANITARY M.H
RIM: 832.86
8" RCCP E IE: 821.36
8" RCCP S.W IE: 821.31

CURB INLET
RIM: 835.171

SANITARY M.H
RIM: 837.00
8" RCCP E IE: 822.70
8" RCCP W IE: 822.65

SANITARY M.H
RIM: 835.98
8" RCCP E IE: 824.23
6" RCCP W IE: 824.23

STORM M.H
RIM: 830.401

ASPHALT PARKING LOT

ASPHALT PARKING LOT

BASKETBALL COURTS

CURB INLET
RIM: 830.083

CURB INLET
RIM: 829.503

CURB INLET
RIM: 830.198

CURB INLET
RIM: 829.574

CURB INLET
RIM: 829.798

SANITARY M.H
RIM: 830.145

STORM M.H
RIM: 831.30

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RIM: 831.866
RCCP N IE: 819.52
RCCP E IE: 819.47
RCCP W IE: 819.42

CURB INLET
RIM: 830.315

CURB INLET
RIM: 830.682

STORM M.H
RIM: 831.619

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ASPHALT DRIVE

CONCRETE PATHS

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MATCHLINE

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Scale: 0 15 30 60
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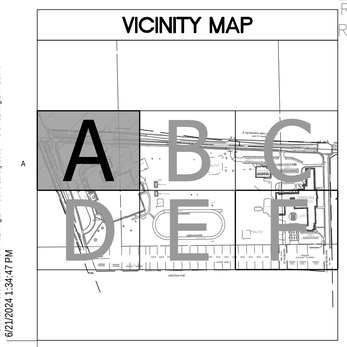


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930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
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NOT FOR CONSTRUCTION

Project Number:
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PLAN COMMISSION SUBMITTAL
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Sheet Title:
SITE DEMOLITION PLAN - AREA A

Sheet Number:
C1.11A

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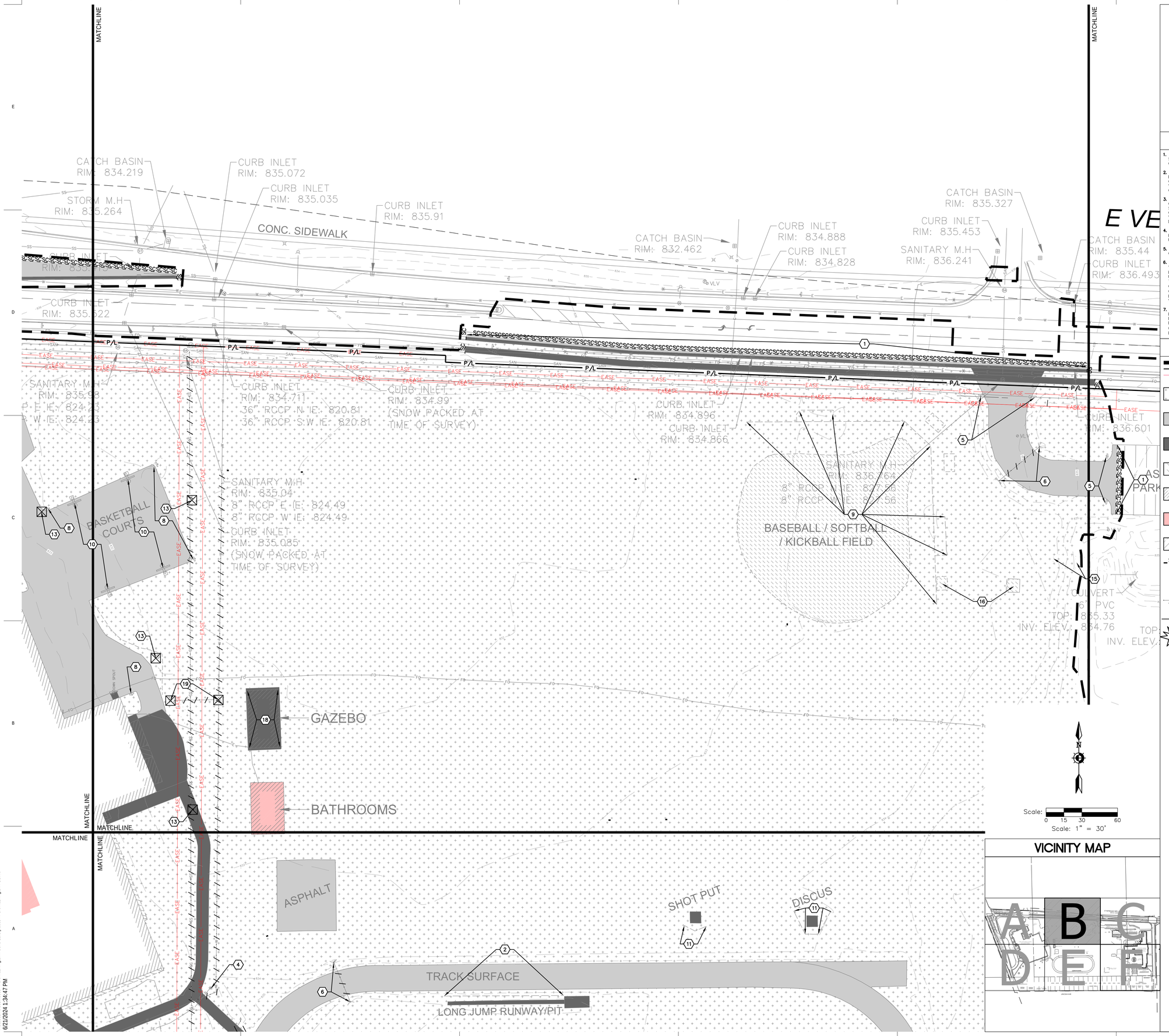


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Project Title:
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REVISIONS:

| | DATE | DESCRIPTION |
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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE DEMOLITION PLAN - AREA B

Sheet Number: C1.12B

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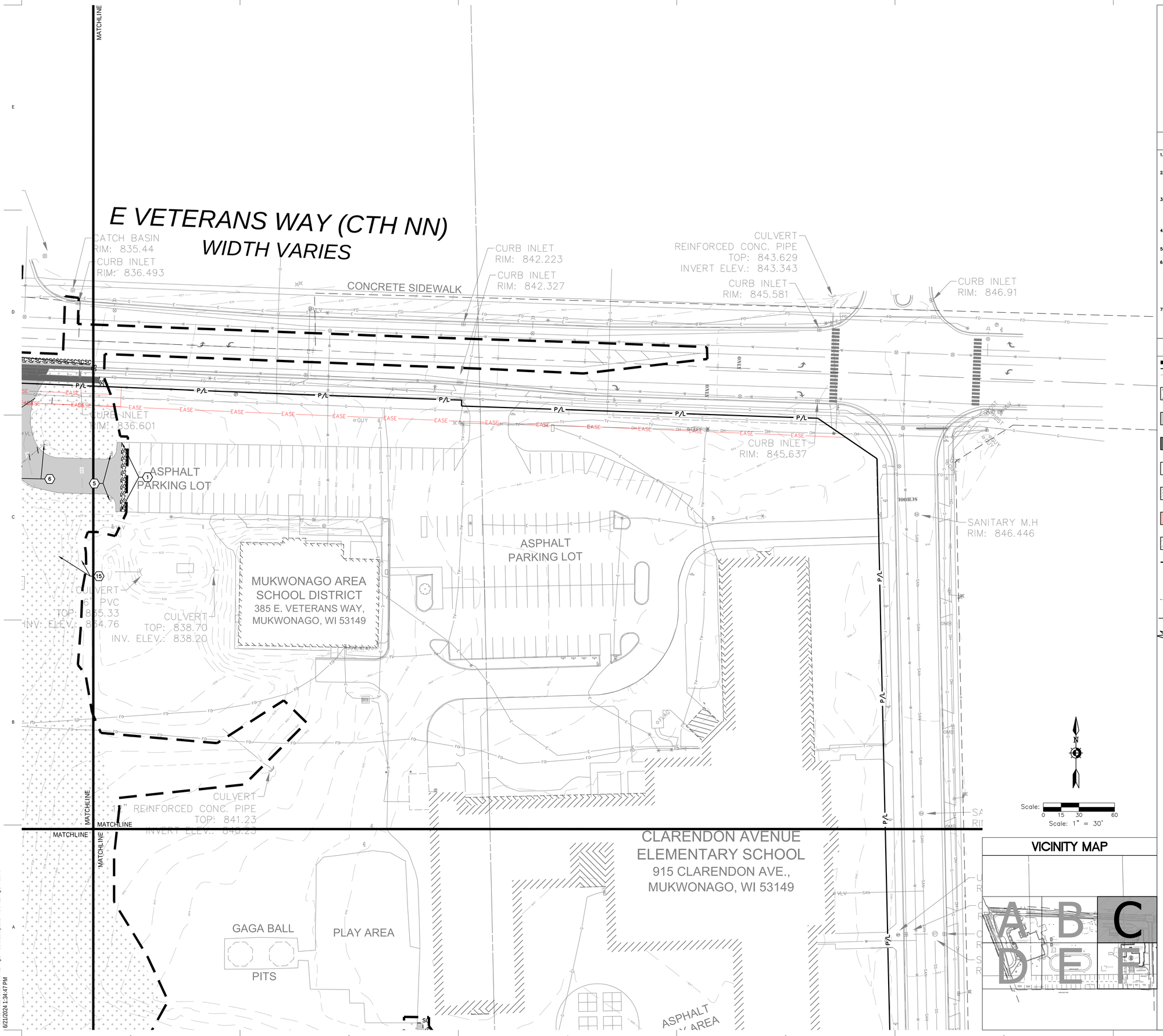


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Scale: 0 15 30 60

Scale: 1" = 30'

## VICINITY MAP




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Sheet Title: SITE DEMOLITION PLAN - AREA C

Sheet Number: C1.13C

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PARK VIEW MIDDLE SCHOOL
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CURB INLET RIM: 831.047
TELEPHONE M.H RIM: 831.844
CURB INLET RIM: 830.876
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36" RCCP W IE: 824.04
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MATCHLINE

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PARCEL 2
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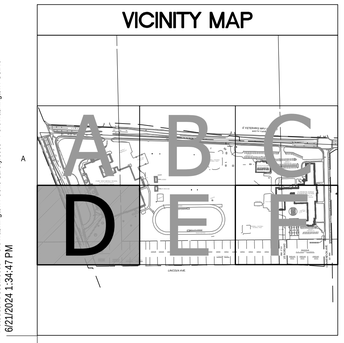


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Park View Middle School
Mukwonago Area School District
930 N Rochester St.
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| | DATE | DESCRIPTION |
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Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE DEMOLITION PLAN - AREA D

Sheet Number: C1.14D

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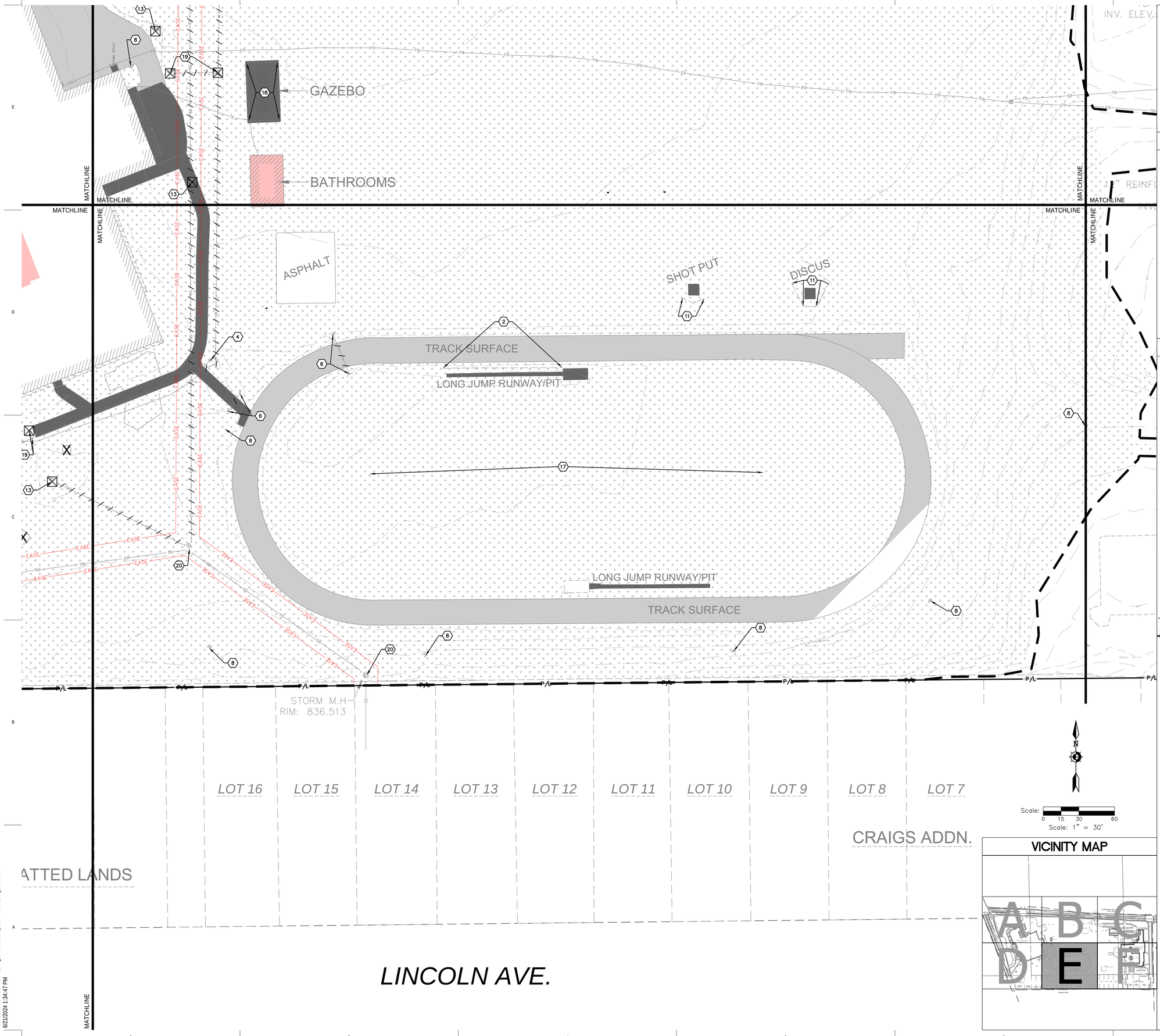


## VICINITY MAP




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Sheet Title: SITE DEMOLITION PLAN - AREA E

Sheet Number: C1.15E

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INV. ELEV.: 838.20

CULVERT
18" REINFORCED CONC. PIPE
TOP: 841.23
INVERT ELEV.: 840.23

MATCHLINE

CLARENDON AVENUE
ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL
PLAY AREA
PITS
ASPHALT
PLAY AREA
BASEBALL / SOFTBALL
/ KICKBALL FIELD
PLAY AREA
ASPHALT
PARKING LOT

SANITARY M.H
RIM: 844.975

UNKNOWN M.H
RIM: 844.622

CURB INLET
RIM: 843.932

CURB INLET
RIM: 843.871

STORM M.H
RIM: 844.375

SANITARY M.H
RIM: 843.806

STORM M.H
RIM: 842.126

FND. 1" IP 1.82' WEST

REPLAT OF WILSO
SUBDIVISI

P/L

OT 6 | LOT 5 | LOT 4 | LOT 3 | LOT 2 | LOT 1

DIVISION ST.
63.2' R/W

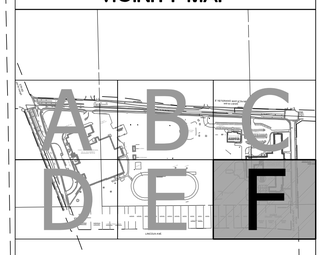
BLOCK B
H.A. YOUMANS ADDN.

PART OF LOT 1 | PART OF LOT 1 | PART OF LOT 1

CLARENDON AVE.
66' R/W

Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP

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Sheet Title: SITE DEMOLITION PLAN - AREA F

Sheet Number: C1.16F

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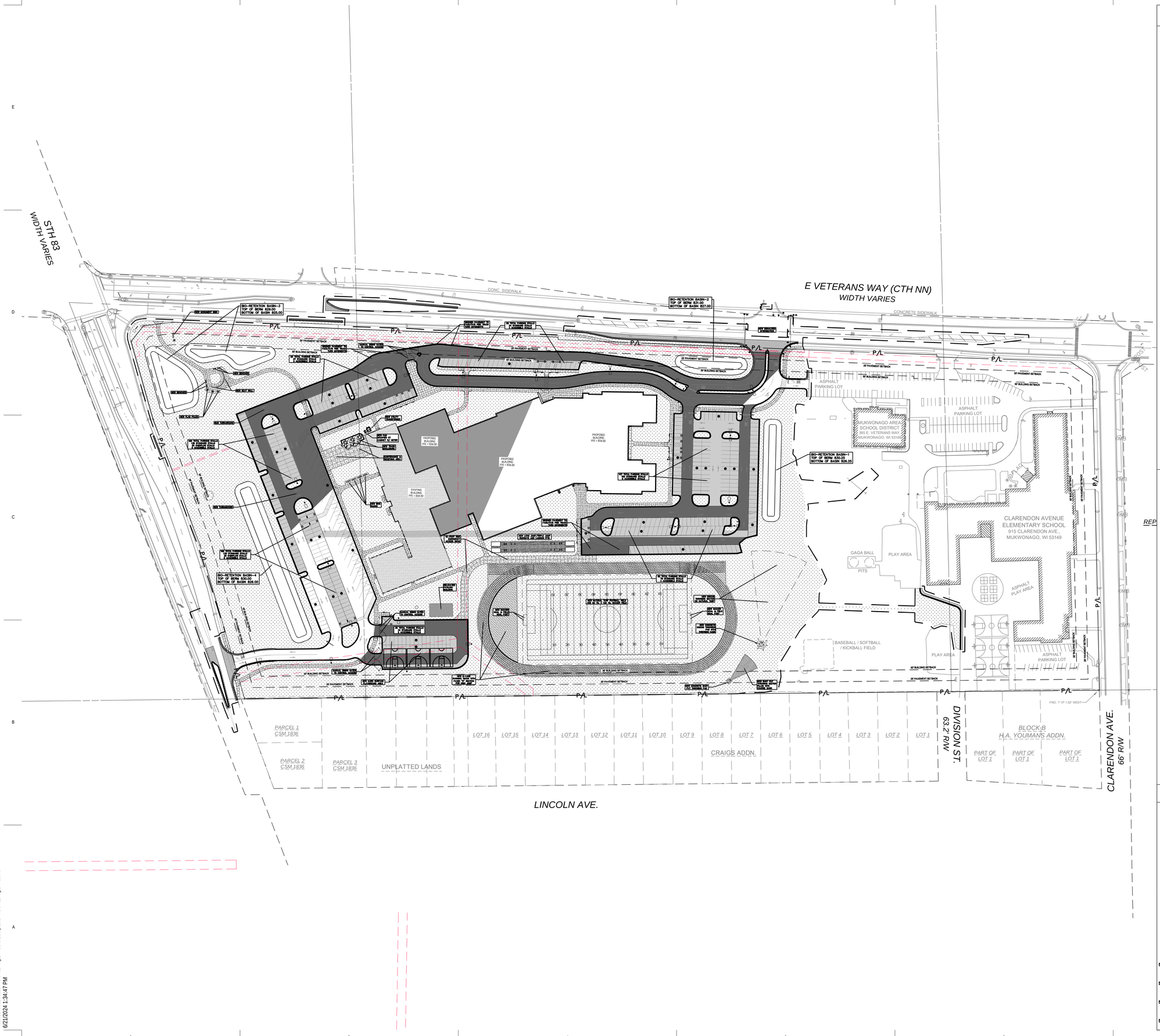


## SITE STATISTICS
## PARK VIEW MIDDLE SCHOOL

PARCEL ADDRESS: 930 NORTH ROCHESTER STREET
MUKWONAGO, WI 53149

PARCEL LEGAL DESCRIPTION: PART OF THE SOUTHEAST ¼ OF SECTION 23, TOWNSHIP 5 NORTH, RANGE 18 EAST, IN THE VILLAGE OF MUKWONAGO, COUNTY OF WAUKESHA, STATE OF WISCONSIN.

PARCEL AREA: 1,612,646 SQ. FT. OR 37.021 ACRES

ZONING DESIGNATION – P-1 PUBLIC AND SEMIPUBLIC DISTRICT

PARCEL PERVIOUS AREA BEFORE IMPROVEMENTS: 28.650 AC. (77.39%)
PARCEL IMPERVIOUS AREA BEFORE IMPROVEMENTS: 8.371 AC. (22.61%)
PARCEL PERVIOUS AREA AFTER IMPROVEMENTS: 25.166 AC. (67.98%)
PARCEL IMPERVIOUS AREA AFTER IMPROVEMENTS: 11.855 AC. (32.02%)

NET INCREASE IN IMPERVIOUS AREA: 3.484 ACRES

PROPOSED AREA OF LAND DISTURBANCE ON PARCEL: 25.658 ACRES

PARKING SUMMARY

MINIMUM REQUIRED PARKING SPACES: 1 SPACE FOR EVERY 2 STUDENTS AT MAXIMUM ENROLLMENT AND 1 SPACE PER PERSON EMPLOYED AT THE SCHOOL. A PORTION OF THE PARKING MAY BE PROVIDED ON A SOLID SURFACE PLAY AREA, AS DETERMINED BY THE PLAN COMMISSION. (SECTION 100-402(A)(2) OF THE MUNICIPAL CODE)

EXISTING ENROLLMENT: 722 STUDENTS
EXISTING EMPLOYMENT: 100 PERSONS
MINIMUM REQUIRED PARKING SPACES PER CODE: 461 STALLS

EXISTING PARKING STALLS IN WEST PARKING AREA: 12
STANDARD PARKING STALLS: 8
ADA PARKING STALLS: 4

EXISTING PARKING STALLS IN NORTHWEST PARKING AREA: 157
STANDARD PARKING STALLS: 151
ADA PARKING STALLS: 6

EXISTING PARKING STALLS IN NORTHEAST PARKING AREA: 67
STANDARD PARKING STALLS: 67
ADA PARKING STALLS: 0

TOTAL EXISTING PARKING STALLS ON SITE: 236
STANDARD PARKING STALLS: 226
ADA PARKING STALLS: 10

PROPOSED MAXIMUM FUTURE ENROLLMENT: 1,200 STUDENTS
PROPOSED EMPLOYMENT: 150 PERSONS
MINIMUM REQUIRED PARKING SPACES PER CODE: 750 STALLS

PROPOSED PARKING STALLS IN SOUTHWEST PARKING AREA: 36
STANDARD PARKING STALLS: 34
ADA PARKING STALLS: 2

PROPOSED PARKING STALLS IN WEST PARKING AREA: 169
STANDARD PARKING STALLS: 135
OVERFLOW PARKING STALLS: 28
ADA PARKING STALLS: 6

PROPOSED PARKING STALLS IN NORTHWEST PARKING AREA: 60
STANDARD PARKING STALLS: 57
ADA PARKING STALLS: 3

PROPOSED PARKING STALLS IN NORTH PARKING AREA: 28
STANDARD PARKING STALLS: 24
ADA PARKING STALLS: 4

PROPOSED PARKING STALLS IN EAST PARKING AREA: 107
STANDARD PARKING STALLS: 102
ADA PARKING STALLS: 5

PROPOSED PARKING STALLS IN SOUTHEAST PARKING AREA: 82
STANDARD PARKING STALLS: 78
ADA PARKING STALLS: 4

TOTAL PROPOSED PARKING STALLS ON SITE: 482
STANDARD PARKING STALLS: 458
ADA PARKING STALLS: 24

PROPOSED PARKING STALL COUNT IS MORE THAN DOUBLE THE EXISTING STALL COUNT, WHEREAS THE MAXIMUM FUTURE ENROLLMENT WILL BE LESS THAN DOUBLE THE EXISTING ENROLLMENT.

Scale: 1" = 80'

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## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- AREAS DISTURBED BY CONSTRUCTION (NOT SPECIFICALLY CALLED OUT ON THE LANDSCAPE PLANS) TO BE RESTORED WITH MINIMUM 4" TOPSOIL, SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.
- NEW ASPHALTIC CONCRETE (LIGHT DUTY) — 1/C2.11
- NEW ASPHALTIC CONCRETE (HEAVY DUTY) — 1/C2.11
- NEW CONCRETE SLAB (LIGHT DUTY) — 2/C2.11, 3/C2.11
- NEW CONCRETE SLAB (HEAVY DUTY) — 2/C2.11, 3/C2.11
- 18" BARRIER LOW-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED — 4/C2.11
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- 18" DEPRESSED HIGH-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED — 5/C2.11

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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| ⚠ | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: OVERALL SITE LAYOUT PLAN

Sheet Number: C1.20

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STH 83
WIDTH VARIES

MATCHLINE

BIO-RETENTION BASIN-3
TOP OF BERM 829.00
BOTTOM OF BASIN 825.00

NEW MONUMENT SIGN

P/L

25' PAVEMENT SETBACK

50' BUILDING SETBACK

WIDENED PAVEMENT TO FACILITATE FIRE TRUCK TURN MOVEMENTS

MANUAL SWING GATES TO CONTROL ACCESS

60 TOTAL PARKING STALLS
57 STANDARD STALLS
3 ACCESSIBLE STALLS

NEW BENCHES

NEW SEAT WALL

NEW FLAG POLES

BUS TURNAROUND

NEW UTILITY TRANSFORMER

NEW PAD MOUNTED CT CABINET W/ METER

NEW TRASH ENCLOSURE

MAINTENANCE & RECEIVING AREA

PROPOSED BUILDING
FFE = 834.50

169 TOTAL PARKING STALLS
135 STANDARD STALLS
28 OVERFLOW STALLS
6 ACCESSIBLE STALLS

50' BUILDING SETBACK

25' PAVEMENT SETBACK

EXISTING BUILDING
FFE = 834.50

NEW BIKE RACKS

169 TOTAL PARKING STALLS
135 STANDARD STALLS
28 OVERFLOW STALLS
6 ACCESSIBLE STALLS

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

16-FOO
EME
ACCESS

RELOCAT
PAVILION
BUILDING

Scale:
0 15 30 60
Scale: 1" = 30'

## VICINITY MAP

A B C
D E F

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- 18" DEPRESSED HIGH-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED — 5/C2.11

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4/2/2025

Sheet Title:
SITE LAYOUT PLAN - AREA A

Sheet Number:
C1.21A

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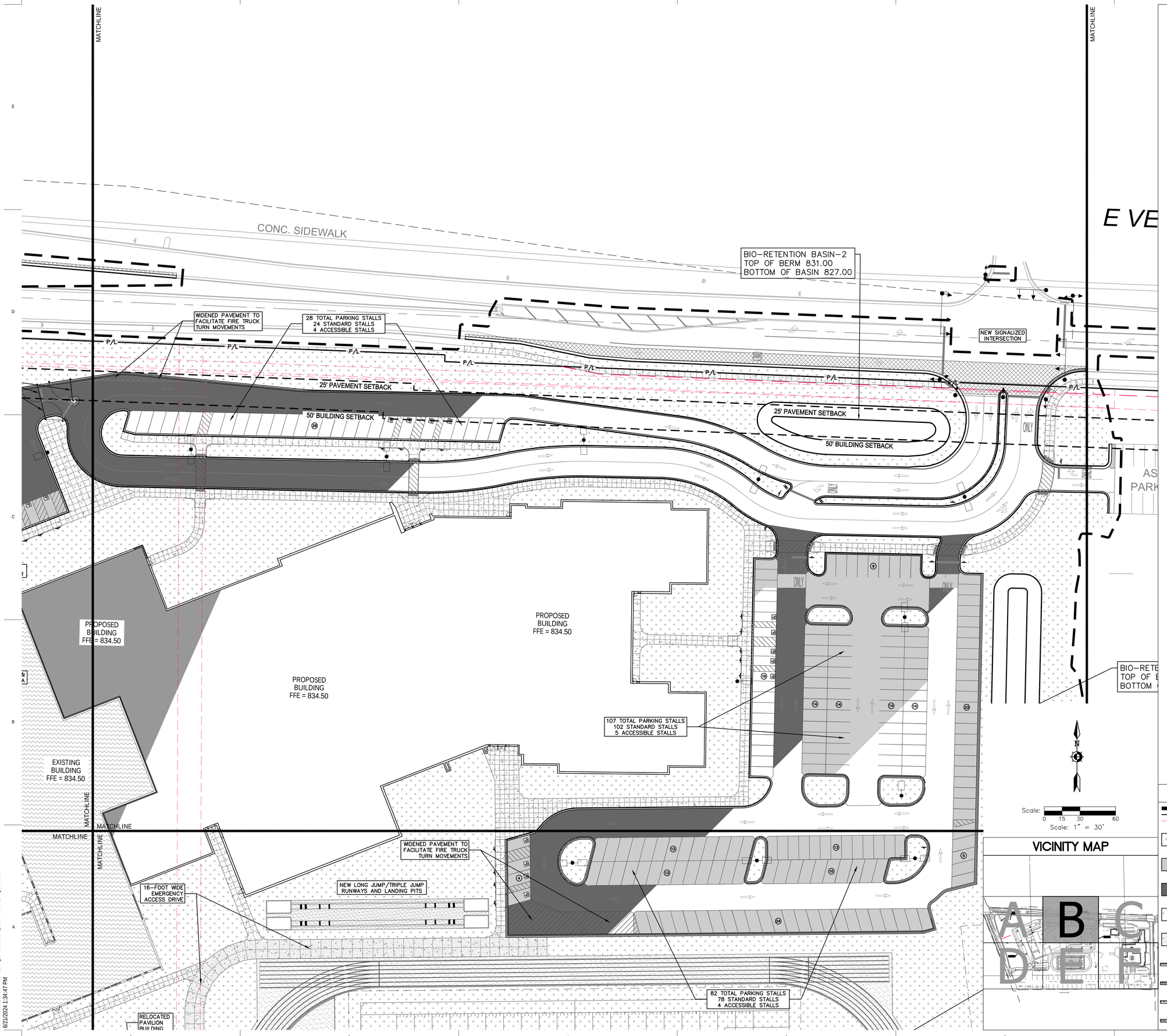


## VICINITY MAP




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Sheet Title: SITE LAYOUT PLAN - AREA B

Sheet Number: C1.22B

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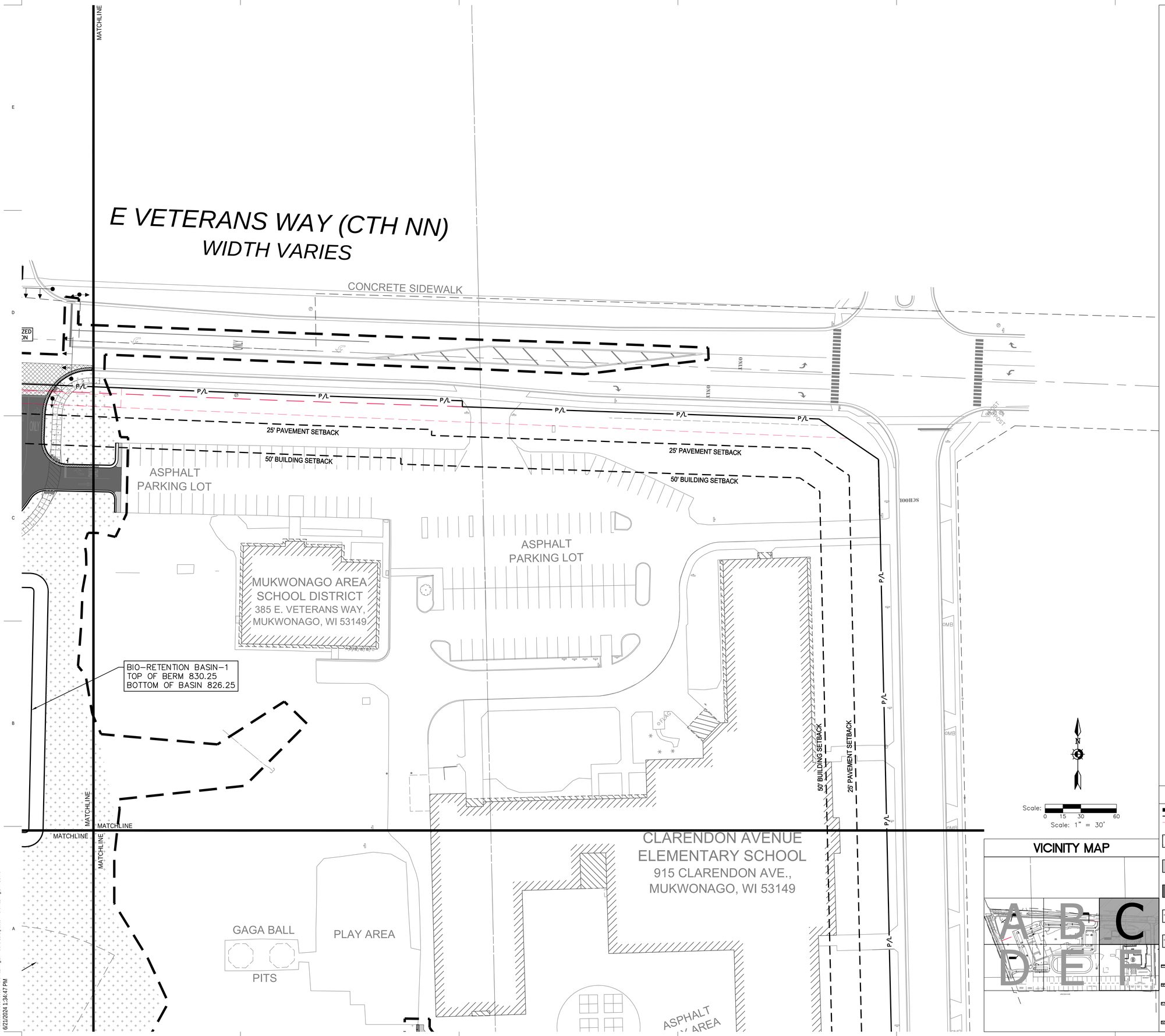


## VICINITY MAP




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## KEY INDEX

| | |
|---|---|
| PROJECT LIMITS | |
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| NEW ASPHALTIC CONCRETE (LIGHT DUTY) | 1 C2.11 |
| NEW ASPHALTIC CONCRETE (HEAVY DUTY) | 1 C2.11 |
| NEW CONCRETE SLAB (LIGHT DUTY) | 2 C2.11, 3 C2.11 |
| NEW CONCRETE SLAB (HEAVY DUTY) | 2 C2.11, 3 C2.11 |
| 18" BARRIER LOW-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED | 4 C2.11 |
| 18" BARRIER HIGH-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED | 4 C2.11 |
| 18" DEPRESSED LOW-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED | 5 C2.11 |
| 18" DEPRESSED HIGH-SIDE CONCRETE CURB & GUTTER UNLESS OTHERWISE NOTED | 5 C2.11 |


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SITE LAYOUT PLAN - AREA C

Sheet Number:
C1.23C

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528

169 TOTAL PARKING STALLS
135 STANDARD STALLS
28 OVERFLOW STALLS
6 ACCESSIBLE STALLS

NEW TRASH ENCLOSURE

MAINTENANCE & RECEIVING AREA

EXISTING BUILDING FFE = 834.50

NEW BIKE RACKS

BUS TURNAROUND

MATCHLINE

169 TOTAL PARKING STALLS
135 STANDARD STALLS
28 OVERFLOW STALLS
6 ACCESSIBLE STALLS

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

MANUAL SWING GATES TO CONTROL ACCESS

36 TOTAL PARKING STALLS
34 STANDARD STALLS
2 ACCESSIBLE STALLS

NEW HARD SURFACE PLAYGROUND AREA

PARCEL 1
CSM 1836

PARCEL 2
CSM 1836

PARCEL 3
CSM 1836

UNPLATTED LANDS

Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP

A B C
D E F

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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE LAYOUT PLAN - AREA D

Sheet Number: C1.24D

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EXISTING BUILDING FFE = 834.50

PROPOSED BUILDING FFE = 834.50

107 TOTAL PARKING STALLS
102 STANDARD STALLS
5 ACCESSIBLE STALLS

WIDENED PAVEMENT TO FACILITATE FIRE TRUCK TURN MOVEMENTS

NEW LONG JUMP/TRIPLE JUMP RUNWAYS AND LANDING PITS

16–FOOT WIDE EMERGENCY ACCESS DRIVE

82 TOTAL PARKING STALLS
78 STANDARD STALLS
4 ACCESSIBLE STALLS

RELOCATED PAVILION BUILDING

MANUAL SWING GATES TO CONTROL ACCESS

TOTAL PARKING STALLS
STANDARD STALLS
ACCESSIBLE STALLS

NEW SOCCER GOAL & FIELD GOAL POST

NEW NATURAL TURF FOOTBALL FIELD AND 60 YD. X 120 YD. SOCCER FIELD

10 20 30 40 50 40 30 20 10

NEW DISCUS THROWING SECTOR ON NATURAL TURF

NEW SOCCER GOAL & FIELD GOAL POST

NEW CONCRETE DISCUS THROWING PAD WITH THROWING CAGE

50' BUILDING SETBACK

25' PAVEMENT SETBACK

NEW 8–LANE RUNNING TRACK WITH PAVED "D" SECTION FOR HIGH JUMP

NEW CONCRETE SHOT PUT THROWING PAD

NEW SHOT PUT THROWING SECTOR FILLED WITH COARSE SAND

MATCHLINE

P/L

LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7

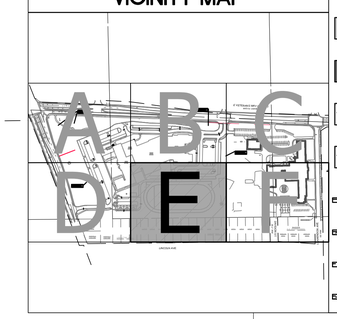
CRAIGS ADDN.

ATTED LANDS

LINCOLN AVE.

Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP

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## KEY INDEX

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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE LAYOUT PLAN - AREA E

Sheet Number: C1.25E

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BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

MATCHLINE

CLARENDON AVENUE
ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL PIT

PLAY AREA

ASPHALT PLAY AREA

BASEBALL / SOFTBALL / KICKBALL FIELD

PLAY AREA

ASPHALT PARKING LOT

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

FND. 1" IP 1.82' WEST

*REPLAT OF WILSO*
*SUBDIVISI*

*LOT 6* *LOT 5* *LOT 4* *LOT 3* *LOT 2* *LOT 1*

*DIVISION ST.*
*63.2' R/W*

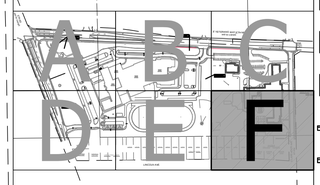
*BLOCK B*
*H.A. YOUMANS ADDN.*

*PART OF LOT 1* *PART OF LOT 1* *PART OF LOT 1*

*CLARENDON AVE.*
*66' R/W*

Scale: 0 15 30 60
Scale: 1" = 30'

## VICINITY MAP

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Sheet Title: SITE LAYOUT PLAN - AREA F

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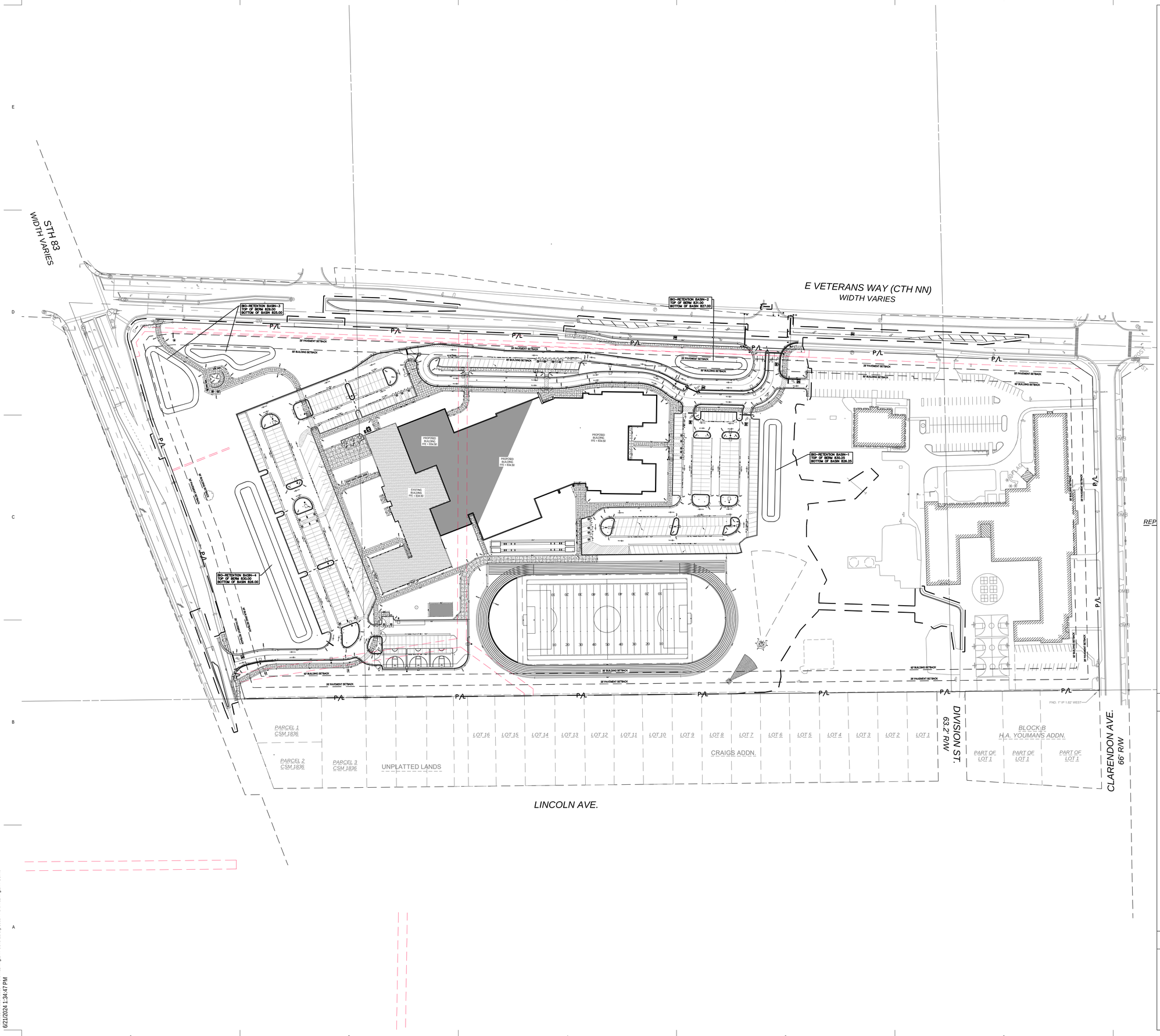


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## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
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- 2 — PAVEMENT MARKING WORDS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
- 3 — PAVEMENT MARKING STOP LINE, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
- 4 — PAVEMENT MARKING MAINLINE, LATEX PAVEMENT MARKING PAINT, 4" YELLOW (DOUBLE) (SEE WDOT PAVEMENT MARKING S.D.D.)
- 5 — PAVEMENT MARKING INTERSECTION, LATEX PAVEMENT MARKING PAINT, 4" WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
- 6 — PAVEMENT MARKING CROSSWALK, LATEX PAVEMENT MARKING PAINT, WHITE, 4-INCH WIDE DIAGONAL STRIPING, 3' O.C. SPACING
- 7 — NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS — 6 / C2.11
- 8 — NEW ACCESSIBLE PARKING SYMBOL — 6 / C2.11
- 9 — NEW ACCESSIBLE SIGNS — 6 / C2.11

## SIGN INDEX

10 — STOP — R1-1, 30" X 30"

DO NOT ENTER — R5-1, 30" X 30" — 11

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Sheet Title:
OVERALL SITE SIGNAGE & TRAFFIC CONTROL PLAN

Sheet Number:
C1.30

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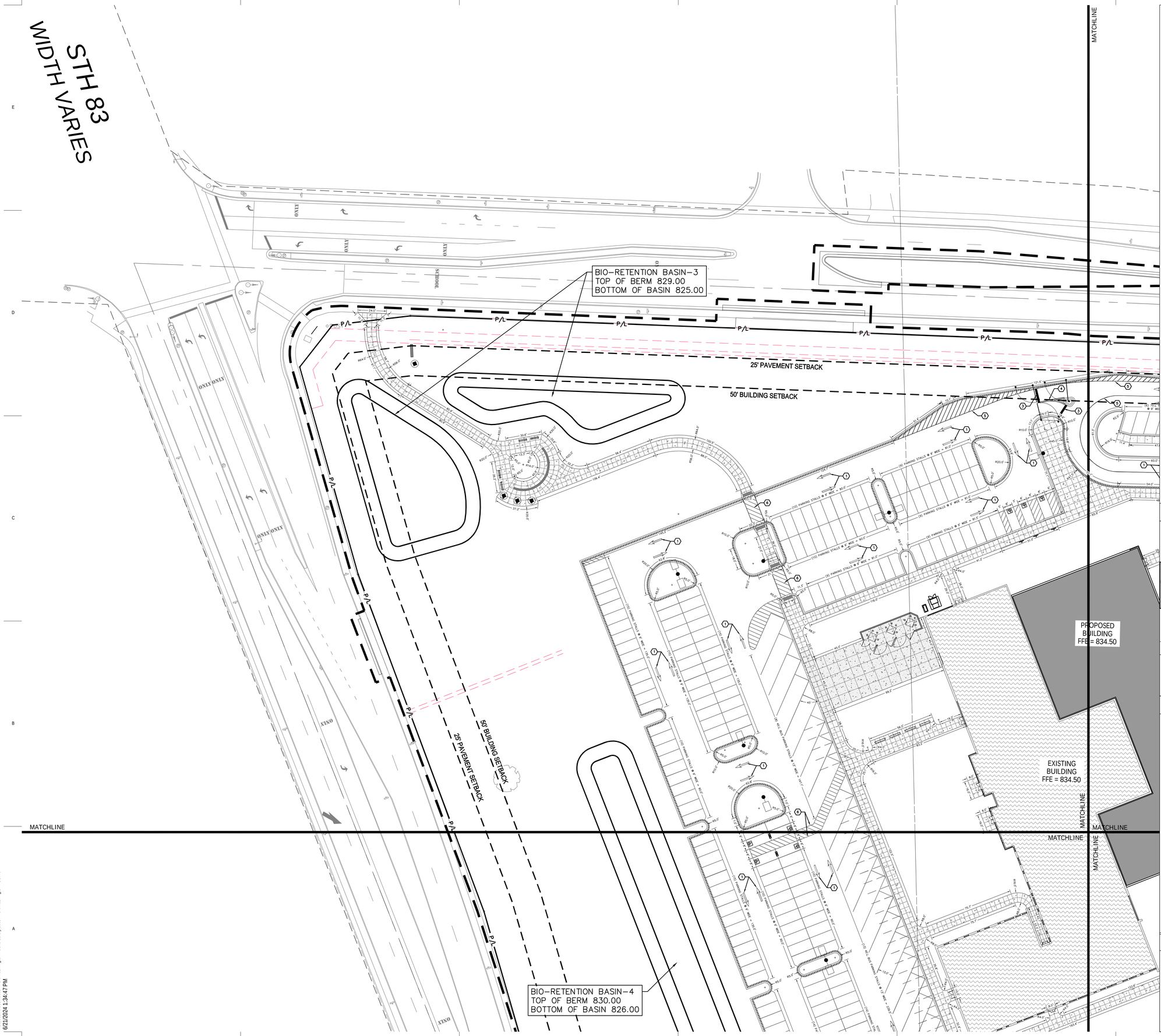


Scale: 0 15 30 60
Scale: 1" = 30'

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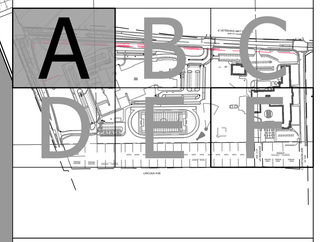


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| | | |
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| 7 | NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS | 6 / C2.11 |
| 8 | NEW ACCESSIBLE PARKING SYMBOL | 6 / C2.11 |
| 9 | NEW ACCESSIBLE SIGNS | 6 / C2.11 |

## SIGN INDEX

10 STOP R1-1 30" X 30"

DO NOT ENTER R5-1 30" X 30" 11

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Mukwonago Area School District
930 N Rochester St,
Mukwonago, WI 53149

REVISIONS:

| # | DATE | DESCRIPTION |
|---|---|---|

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Project Number:
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Issued For:
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4/2/2025

Sheet Title:
SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA A

Sheet Number:
C1.31A

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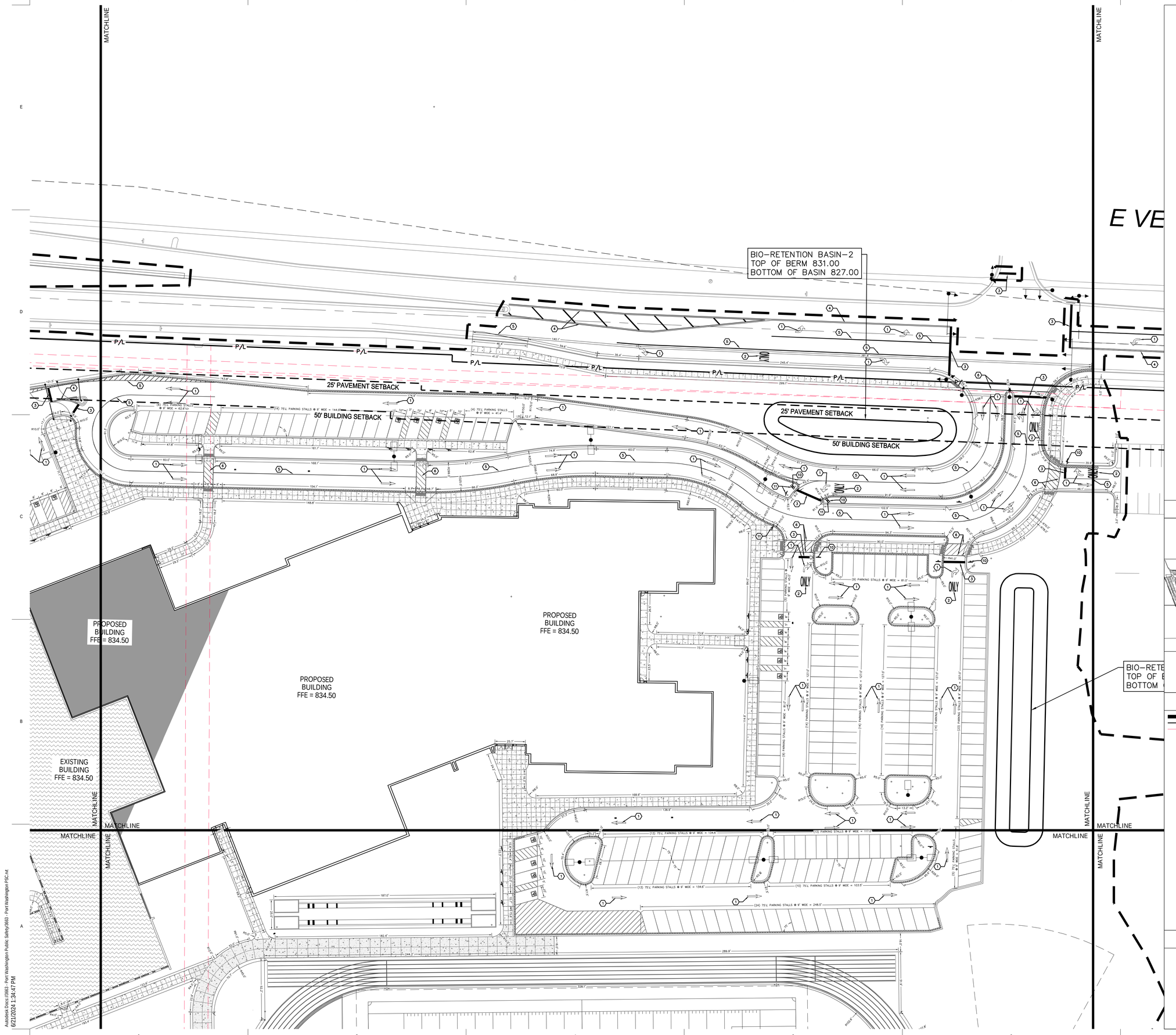


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Scale: 0 15 30 60
Scale: 1" = 30'

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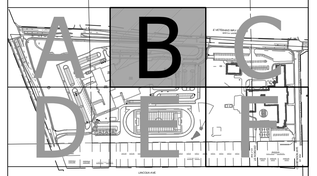
## VICINITY MAP




## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
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- 1 — PAVEMENT MARKING ARROWS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
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- 9 — NEW ACCESSIBLE SIGNS — 6 C2.11

## SIGN INDEX

10 — STOP — R1-1 30" X 30"

DO NOT ENTER — R5-1 30" X 30" — 11

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Project Number:
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Sheet Title:
SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA B

Sheet Number:
C1.32B

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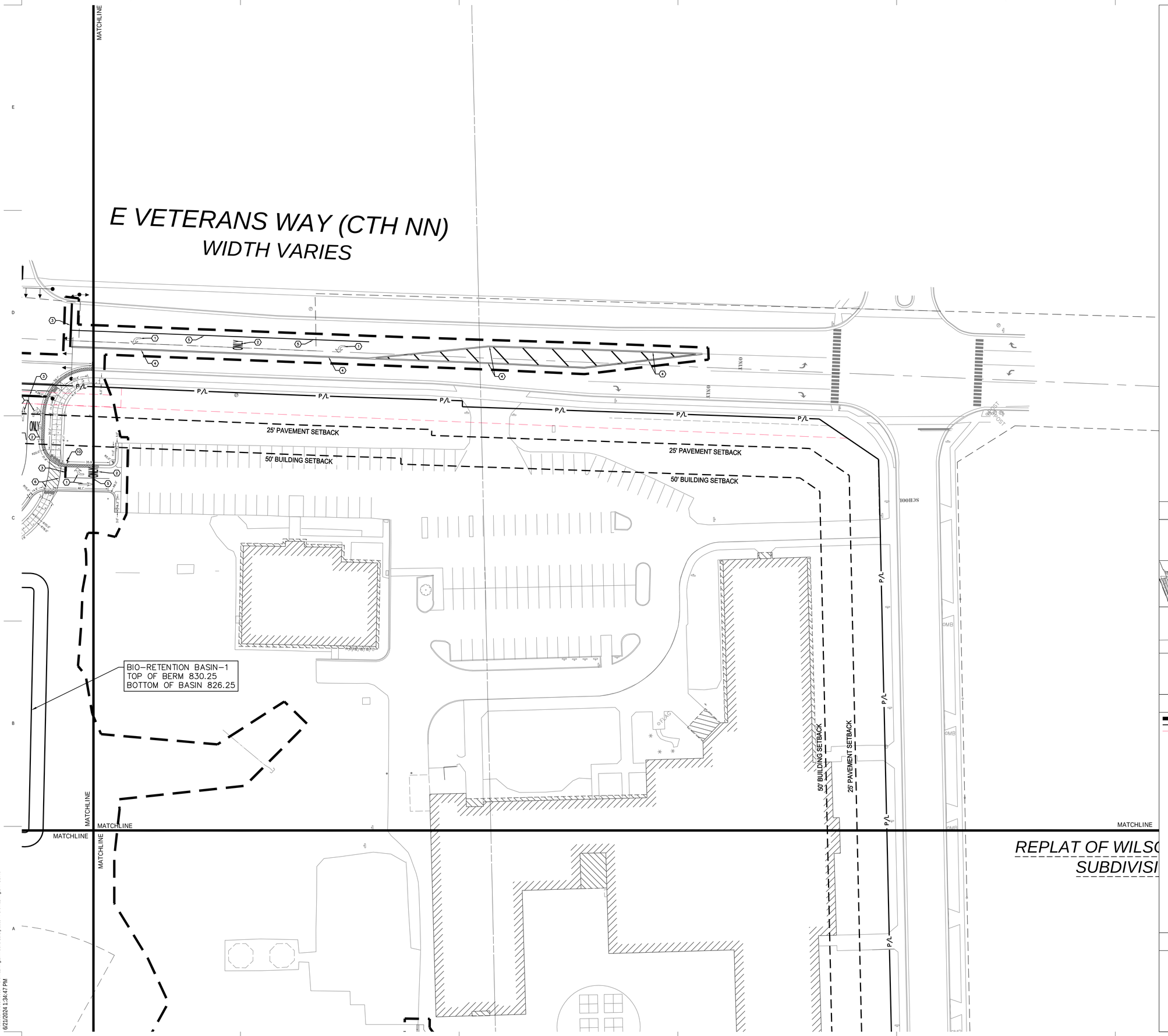


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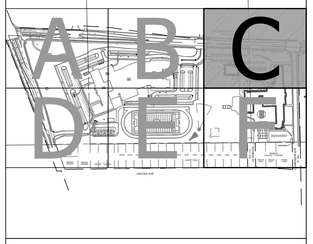


## KEY INDEX

| | |
|---|---|
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DO NOT ENTER — R5-1 30" X 30" 11

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SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA C

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C1.33C

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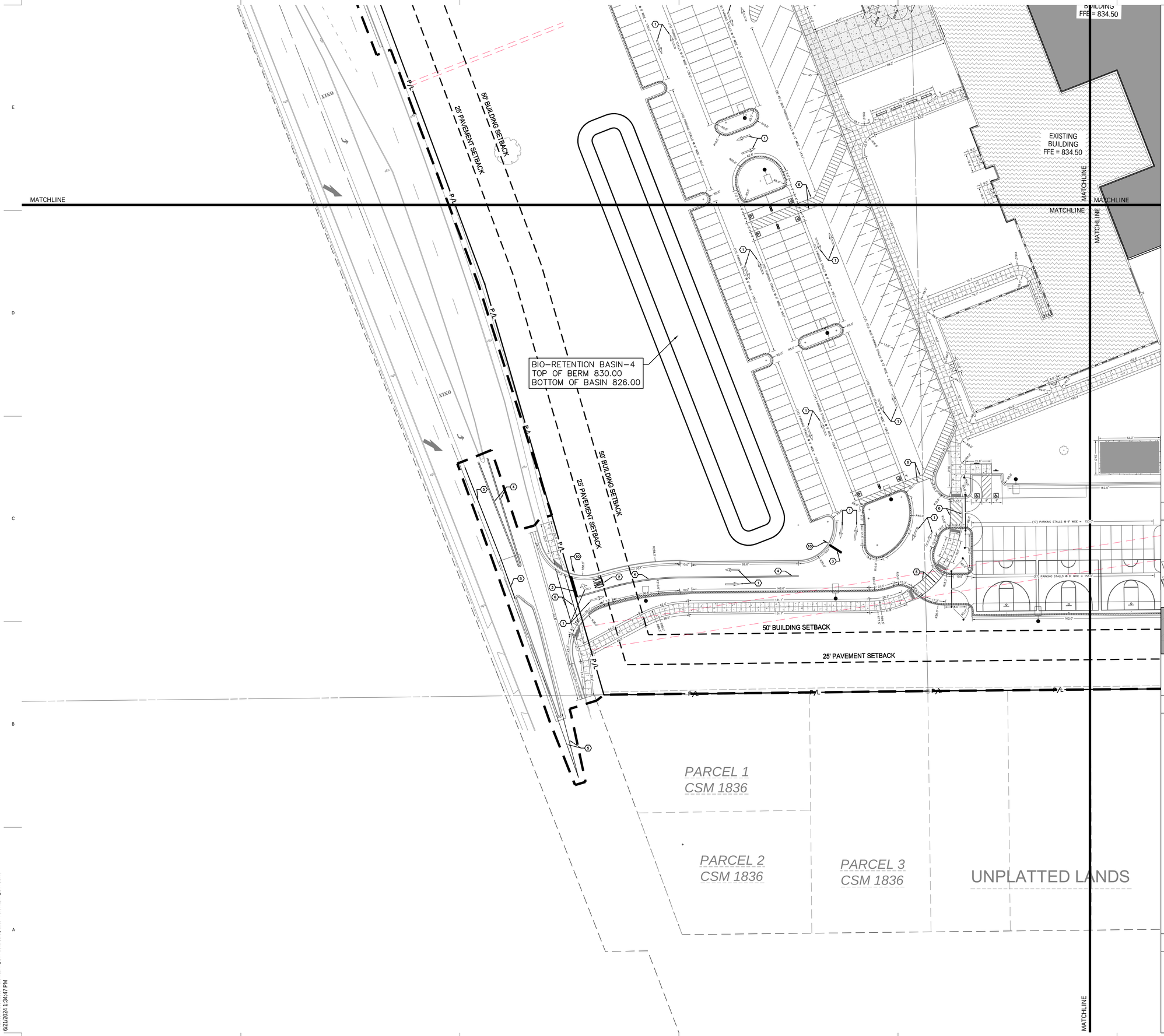
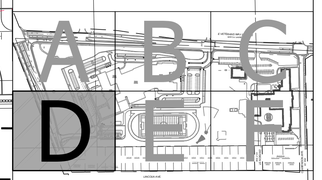



## VICINITY MAP



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- (9) NEW ACCESSIBLE SIGNS — 6/C2.11

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(11) DO NOT ENTER — R5-1, 30" X 30"

Scale: 0 15 30 60
Scale: 1" = 30'

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Sheet Title: SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA D

Sheet Number: C1.34D

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BUILDING
FFE = 834.50

PROPOSED
BUILDING
FFE = 834.50

EXISTING
BUILDING
FFE = 834.50

MATCHLINE

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5

CRAIGS ADDN.

ATTED LANDS

LINCOLN AVE.

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N

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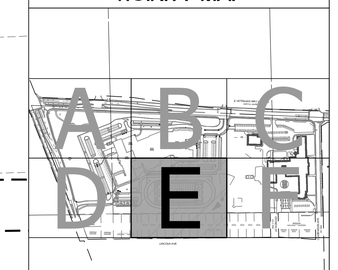
## VICINITY MAP

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## SIGN INDEX

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DO NOT ENTER — R5—1 30" X 30" — 11

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Sheet Title: SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA E

Sheet Number: C1.35E

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BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

MATCHLINE

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

FND. 1" IP 1.82' WEST

*REPLAT OF WILSO*
*SUBDIVISI*

*LOT 6* *LOT 5* *LOT 4* *LOT 3* *LOT 2* *LOT 1*

*63.2' R/W*
*DIVISION ST.*

*BLOCK B*
*H.A. YOUMANS ADDN.*

*PART OF LOT 1* *PART OF LOT 1* *PART OF LOT 1*

*66' R/W*
*CLARENDON AVE.*

Scale: 0 15 30 60
Scale: 1" = 30'

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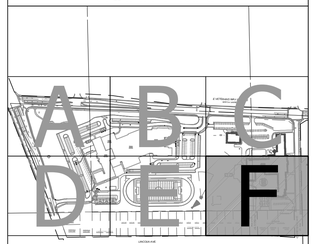
## VICINITY MAP

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- 9 — NEW ACCESSIBLE SIGNS — 6 C2.11

## SIGN INDEX

10 — STOP — R1-1 30" X 30"

DO NOT ENTER — R5-1 30" X 30" — 11

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SITE SIGNAGE & TRAFFIC CONTROL PLAN - AREA F

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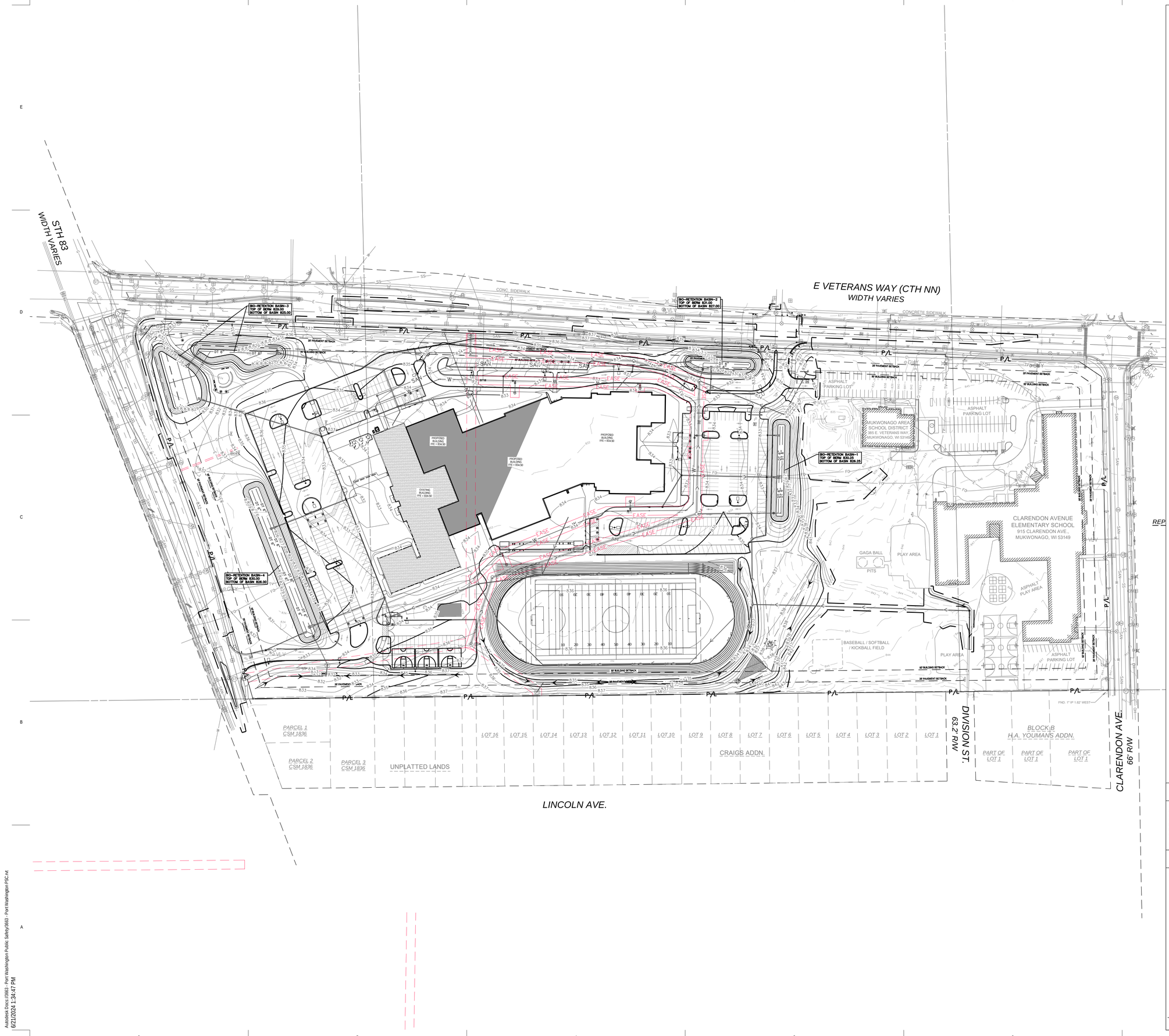


Scale: 0 40 80 160

Scale: 1" = 80'

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GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND / OR RELOCATION / ELEVATION ADJUSTMENT OF ALL EXISTING PUBLIC OR PRIVATE UTILITIES WITHIN THE PROJECT LIMITS THAT MAY BE AFFECTED BY TOPOGRAPHICAL CHANGES, UTILITIES, OR OTHER PROPOSED CONSTRUCTION ON THE PROJECT, INCLUDING BUT NOT LIMITED TO ELECTRICAL / FIBER OPTIC / TELEPHONE / CABLE / GAS / WATER / SANITARY / STORM. DEMOLITION / RELOCATION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND UTILITY OWNER REGULATIONS.

## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
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- 999 — EXISTING CONTOUR MINOR
- 999 — EXISTING CONTOUR MAJOR
- 999 — PROPOSED CONTOUR MINOR
- 999 — PROPOSED CONTOUR MAJOR
- 970.00 — PROPOSED SPOT GRADE
- 970.0± — MATCH EXISTING GRADE
- T970.00 — PROPOSED TOP OF CURB GRADE, REFER TO SITE LAYOUT PLANS FOR MORE INFORMATION. GUTTER IS 6" BELOW TOP OF CURB UNLESS OTHERWISE NOTED.
- T970.0± — MATCH EXISTING TOP OF CURB GRADE
- TW970.00 / BW965.00 — PROPOSED TOP OF WALL / PROPOSED BOTTOM OF WALL
- TW970.0± / BW965.0± — MATCH EXISTING TOP OF WALL / MATCH EXISTING BOTTOM OF WALL
- DRAINAGE SWALE

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Sheet Title: OVERALL SITE GRADING PLAN

Sheet Number: C1.40

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STH 83
WIDTH VARIES

BIO-RETENTION BASIN-3
TOP OF BERM 829.00
BOTTOM OF BASIN 825.00

25' PAVEMENT SETBACK

50' BUILDING SETBACK

PROPOSED BUILDING
FFE = 834.50

EXISTING BUILDING
FFE = 834.50

MATCHLINE

25' PAVEMENT SETBACK

50' BUILDING SETBACK

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

MATCHLINE

Scale: 0 15 30 60
Scale: 1" = 30'

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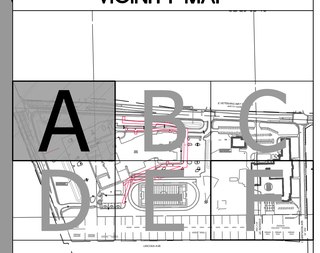


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Sheet Title:
SITE GRADING PLAN - AREA A

Sheet Number:
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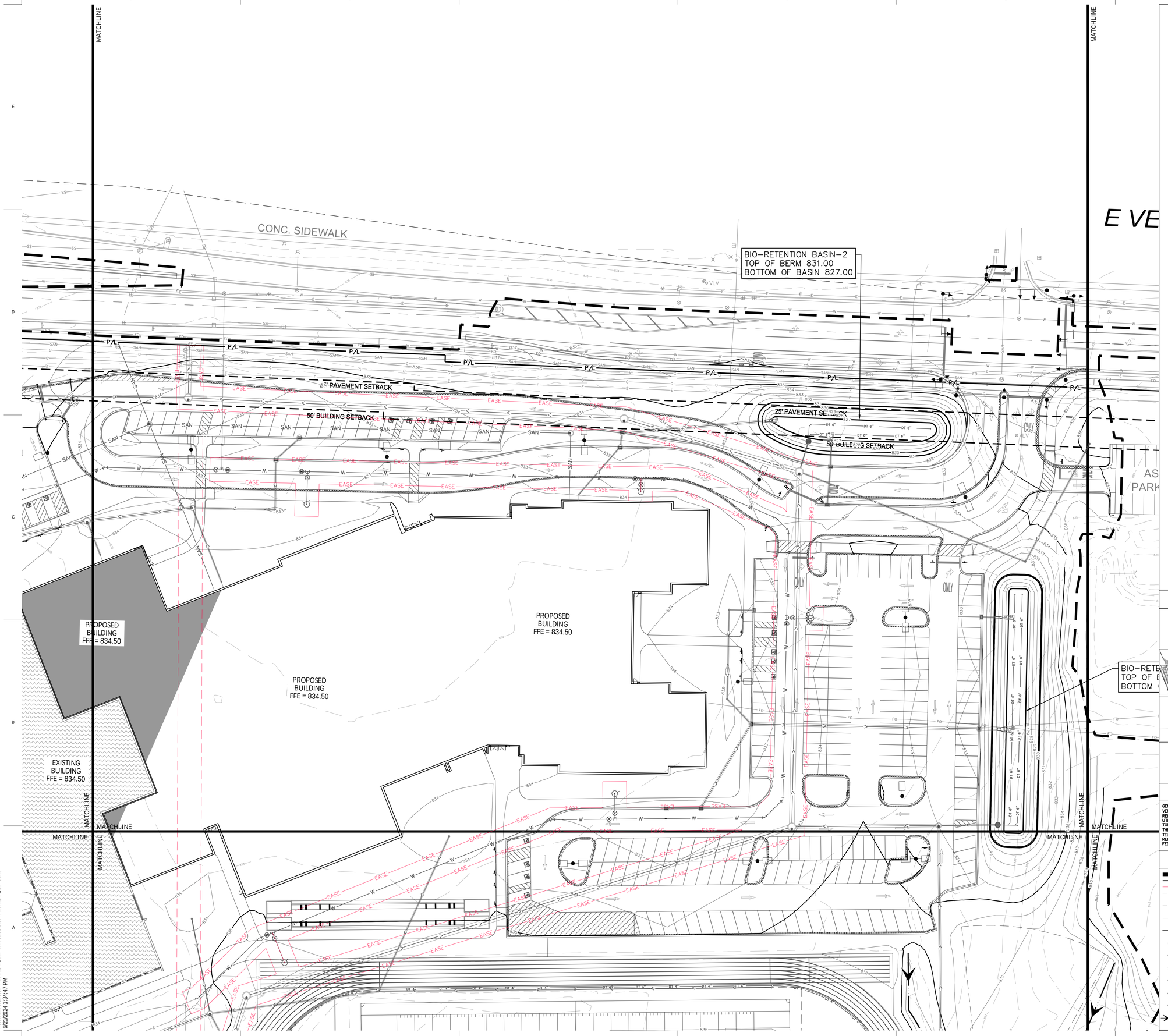


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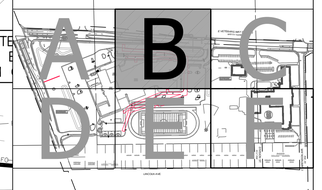


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- 999 — EXISTING CONTOUR MAJOR
- 999 — PROPOSED CONTOUR MINOR
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- 970.0± — MATCH EXISTING GRADE
- T970.00 — PROPOSED TOP OF CURB GRADE. REFER TO SITE LAYOUT PLANS FOR MORE INFORMATION. GUTTER IS 6" BELOW TOP OF CURB UNLESS OTHERWISE NOTED.
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- TW970.00 / BW965.00 — PROPOSED TOP OF WALL / PROPOSED BOTTOM OF WALL
- TW970.0± / BW965.0± — MATCH EXISTING TOP OF WALL / MATCH EXISTING BOTTOM OF WALL
- DRAINAGE SWALE

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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| ⚠ | DATE | DESCRIPTION |
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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE GRADING PLAN - AREA B

Sheet Number: C1.42B

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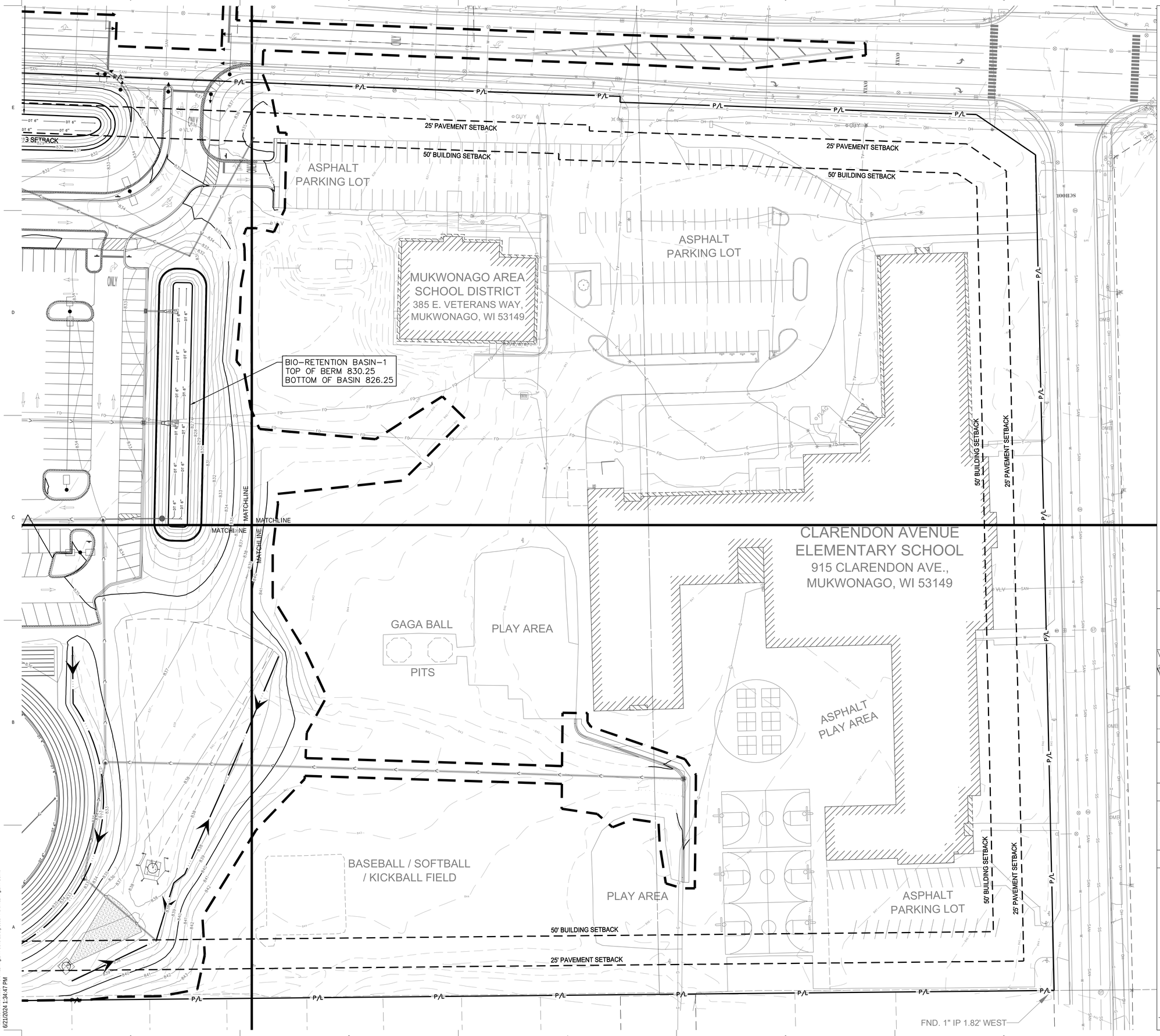


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Scale: 0 15 30 60
Scale: 1" = 30'

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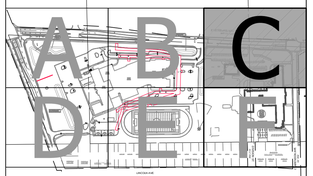
## VICINITY MAP

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Project Number:
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Sheet Title:
SITE GRADING PLAN - AREA C

Sheet Number:
C1.43C

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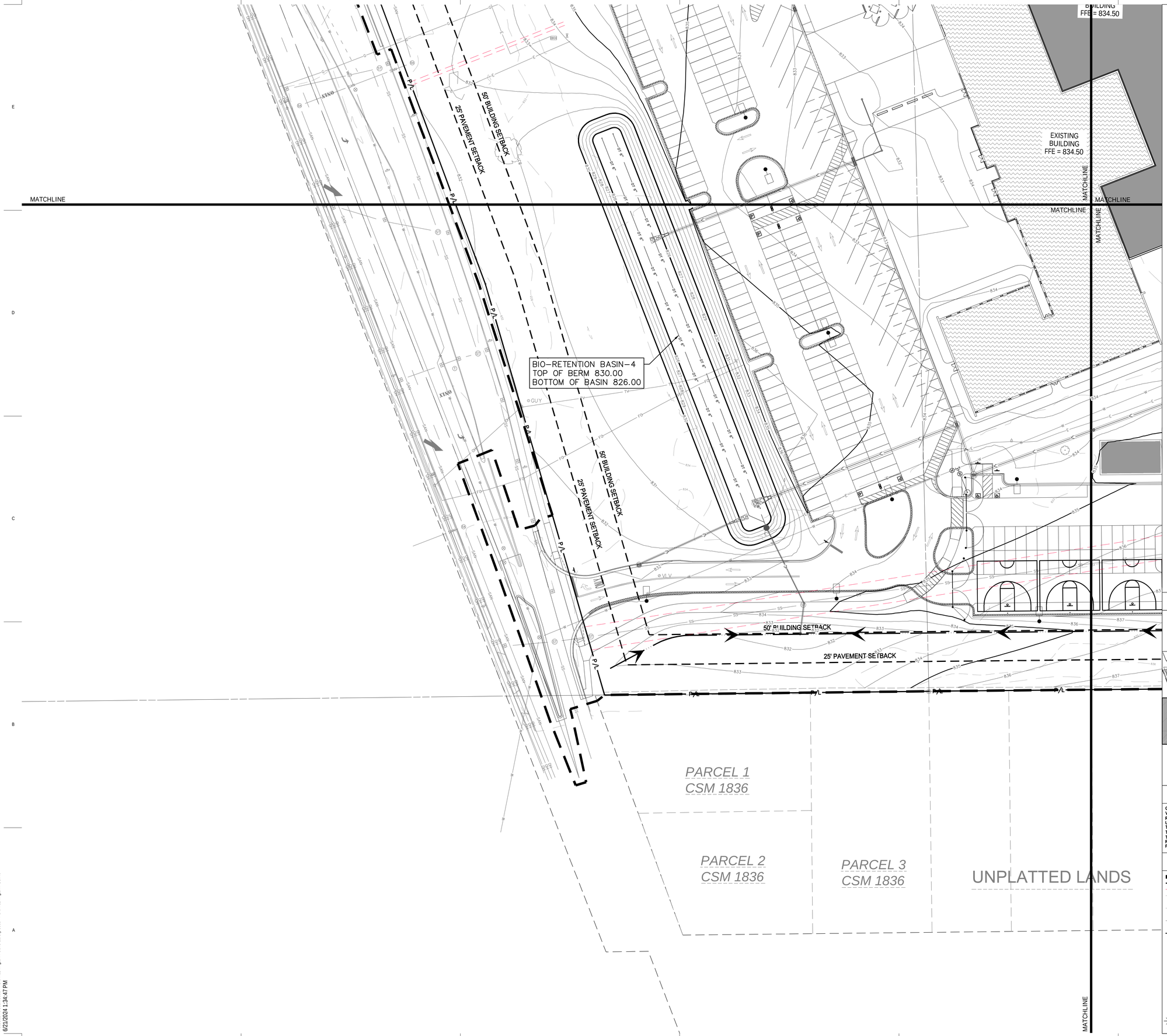


Scale: 0 15 30 60
Scale: 1" = 30'

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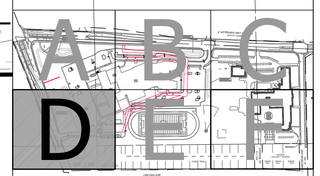
## VICINITY MAP

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Sheet Title: SITE GRADING PLAN - AREA D

Sheet Number: C1.44D

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BUILDING
FFE = 834.50

PROPOSED
BUILDING
FFE = 834.50

EXISTING
BUILDING
FFE = 834.50

BIO-RETE
TOP OF B
BOTTOM

MATCHLINE

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5

CRAIGS ADDN.

ATTED LANDS

LINCOLN AVE.

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Scale: 0 15 30 60
Scale: 1" = 30'

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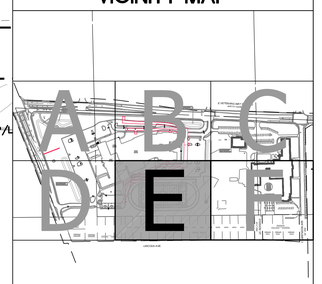
## VICINITY MAP

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4/2/2025

Sheet Title:
SITE GRADING PLAN - AREA E

Sheet Number:
C1.45E

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BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

MATCHLINE

CLARENDON AVENUE
ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL
PLAY AREA
PITS
ASPHALT
PLAY AREA
BASEBALL / SOFTBALL
/ KICKBALL FIELD
PLAY AREA
ASPHALT
PARKING LOT

50' BUILDING SETBACK
25' PAVEMENT SETBACK
P/L

FND. 1" IP 1.82' WEST

*REPLAT OF WILSO*
*SUBDIVISI*

*LOT 6* *LOT 5* *LOT 4* *LOT 3* *LOT 2* *LOT 1*

63.2' R/W
DIVISION ST.

*BLOCK B*
*H.A. YOUMANS ADDN.*

*PART OF LOT 1* *PART OF LOT 1* *PART OF LOT 1*

66' R/W
CLARENDON AVE.

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Scale: 1" = 30'

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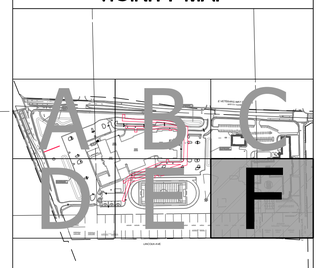


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- DRAINAGE SWALE

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Project Number:
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Sheet Title:
SITE GRADING PLAN - AREA F

Sheet Number:
C1.46F

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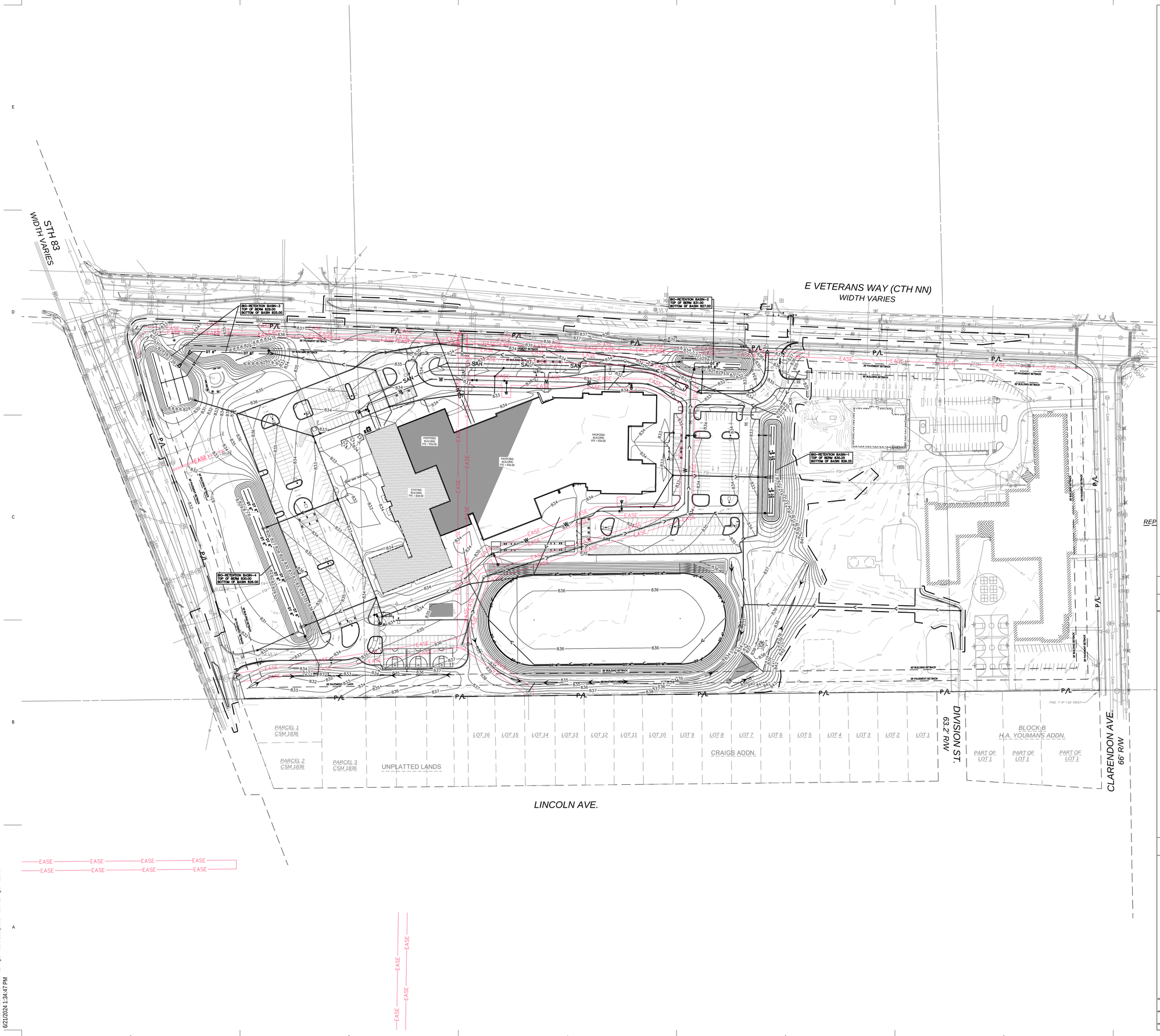


Scale: 0 40 80 160
Scale: 1" = 80'

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## UTILITY NOTES

CAUTION — KNOWN UTILITY AND POTENTIAL CONFLICT EXIST WITH EXISTING UNDERGROUND UTILITIES. PRIOR TO UTILITY INSTALLATION, CONTRACTOR TO EXCAVATE AND EXPOSE EXISTING UTILITIES, VERIFY LOCATIONS AND ELEVATIONS, AND CONTACT ENGINEER IF CONFLICTS EXIST WITH PROPOSED CONSTRUCTION AND EXISTING UNDERGROUND UTILITIES.

1. PER PROJECT SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, THE POINT OF COMMENCEMENT FOR THE LAYING OF SEWER PIPE SHALL BE AT THE LOWEST POINT IN THE PROPOSED SEWER LINE. THE PIPE SHALL BE LAID WITH THE BELL END OF THE BELL AND SPIGOT PIPE, OR WITH THE RECEIVING GROOVE END OF THE TONGUE AND GROOVE PIPE, POINTING UPGRADE. WHEN A NEW SEWER IS TO BE CONNECTED TO AN EXISTING SEWER NOT TERMINATING IN A MANHOLE, THE CONTRACTOR SHALL UNCOVER THE EXISTING SEWER TO ALLOW ANY ADJUSTMENTS IN LINE AND GRADE TO BE MADE BEFORE PIPE IS LAID.
2. THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITY, PROPERTY OWNER, AND DIGGERS HOTLINE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
3. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL APPLY FOR AND OBTAIN ALL THEIR REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF THEIR WORK. CONSULT WITH AND OBTAIN FROM ENGINEER COPIES OF ENGINEERING DESIGN APPROVAL PERMITS, INCLUDING BUT NOT LIMITED TO MDNR, STATE OR LOCAL PLUMBING, WDOT, COUNTY, AND STORM WATER MANAGEMENT.
4. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL CONTACT DIGGER'S HOTLINE TO ALLOW THEM SUFFICIENT TIME TO LOCATE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.
5. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL OTHER CONTRACTORS.
6. GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND/OR RELOCATION OF ALL EXISTING UTILITIES FROM EXISTING BUILDINGS AND WITHIN THE PROJECT LIMITS, INCLUDING BUT NOT LIMITED TO ELECTRICAL/FIBER OPTIC/TELEPHONE/CABLE/GAS/WATER/SANITARY/STORM. DEMOLITION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, & LOCAL REGULATIONS.
7. FOR ALL WORK, GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR REVIEWING BID DOCUMENTS, VERIFYING THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, AND INCLUDE IN THEIR CONTRACT THE RELOCATION OF SAID UTILITIES (NOTED OR NOT ON THE BID DOCUMENTS) AS NECESSARY TO PROVIDE PROPER DEPTH/CLEARANCE PER UTILITY OWNER'S REQUIREMENTS.

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- RIP RAP
- WATER MAIN TEE
- WATER MAIN VALVE
- STORM SEWER
- SAN — SANITARY SEWER
- W — WATER MAIN

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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: OVERALL SITE UTILITY PLAN

Sheet Number: C1.50

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STH 83
WIDTH VARIES

BIO-RETENTION BASIN-3
TOP OF BERM 829.00
BOTTOM OF BASIN 825.00

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

25' PAVEMENT SETBACK
50' BUILDING SETBACK
50' BUILDING SETBACK
25' PAVEMENT SETBACK

PROPOSED BUILDING
FFE = 834.50

EXISTING BUILDING
FFE = 834.50

MATCHLINE
MATCHLINE
MATCHLINE
MATCHLINE

Scale:
0 15 30 60
Scale: 1" = 30'

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## VICINITY MAP

A B C D E F

## UTILITY NOTES

CAUTION

KNOWN UTILITY AND POTENTIAL CONFLICT EXIST WITH EXISTING UNDERGROUND UTILITIES. PRIOR TO UTILITY INSTALLATION, CONTRACTOR TO EXCAVATE AND EXPOSE EXISTING UTILITIES, VERIFY LOCATIONS AND ELEVATIONS, AND CONTACT ENGINEER IF CONFLICTS EXIST WITH PROPOSED CONSTRUCTION AND EXISTING UNDERGROUND UTILITIES..

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Sheet Title:
SITE UTILITY PLAN - AREA A

Sheet Number:
C1.51A

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BIO-RETENTION BASIN-2
TOP OF BERM 831.00
BOTTOM OF BASIN 827.00

PROPOSED BUILDING
FFE = 834.50

PROPOSED BUILDING
FFE = 834.50

PROPOSED BUILDING
FFE = 834.50

EXISTING BUILDING
FFE = 834.50

MATCHLINE

50' BUILDING SETBACK

25' PAVEMENT SETBACK

EX ST MH-2

ST MH-8

ST MH-7

ST MH-6

ST MH-5

ST MH-4

ST MH-2

ST BLDG-1

ST BLDG-2

ST BLDG-3

CB-1 CB-2 CB-3 CB-4 CB-5 CB-6 CB-7 CB-8 CB-9 CB-10 CB-12 CB-13 CB-14 CB-15 CB-16 CB-17 CB-18 CB-19 CB-20 CB-21 CB-28 CB-29 CB-30 CB-31 CB-32 CB-46 CB-47

ST-1 ST-2 ST-3 ST-4 ST-5 ST-6 ST-7 ST-8 ST-9 ST-10 ST-11 ST-12 ST-13 ST-14 ST-15 ST-16 ST-17 ST-18 ST-19 ST-20 ST-33 ST-34 ST-35 ST-36 ST-37 ST-48 ST-53 ST-54 ST-55 ST-56 ST-57 ST-58 ST-59 ST-60 ST-61 ST-62

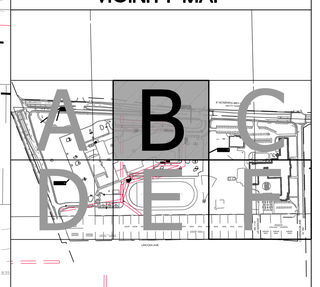
FES-1 FES-2 FES-3 FES-4

OS-1 OS-2

BIO-RETE
TOP OF B
BOTTOM

E VE

# VICINITY MAP

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- W — WATER MAIN

Scale: 0 15 30 60
Scale: 1" = 30'

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Project Title:
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Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

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| | DATE | DESCRIPTION |
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NOT FOR CONSTRUCTION

Project Number:
3526

Issued For:
PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
SITE UTILITY PLAN - AREA B

Sheet Number:
C1.52B

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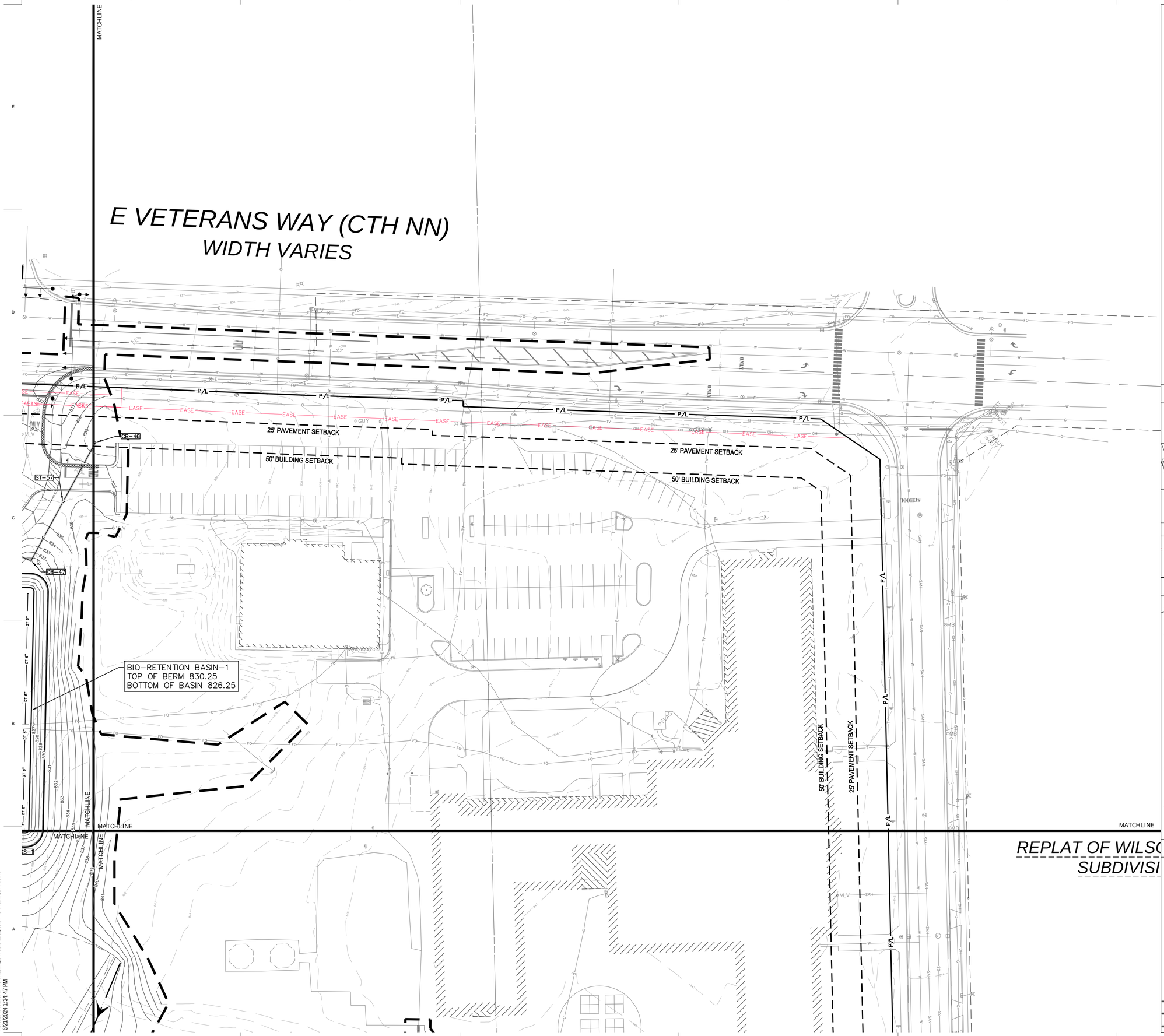


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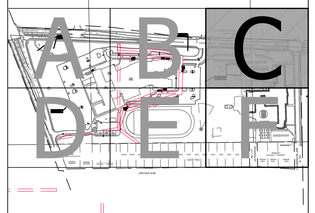


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Sheet Title: SITE UTILITY PLAN - AREA C

Sheet Number: C1.53C

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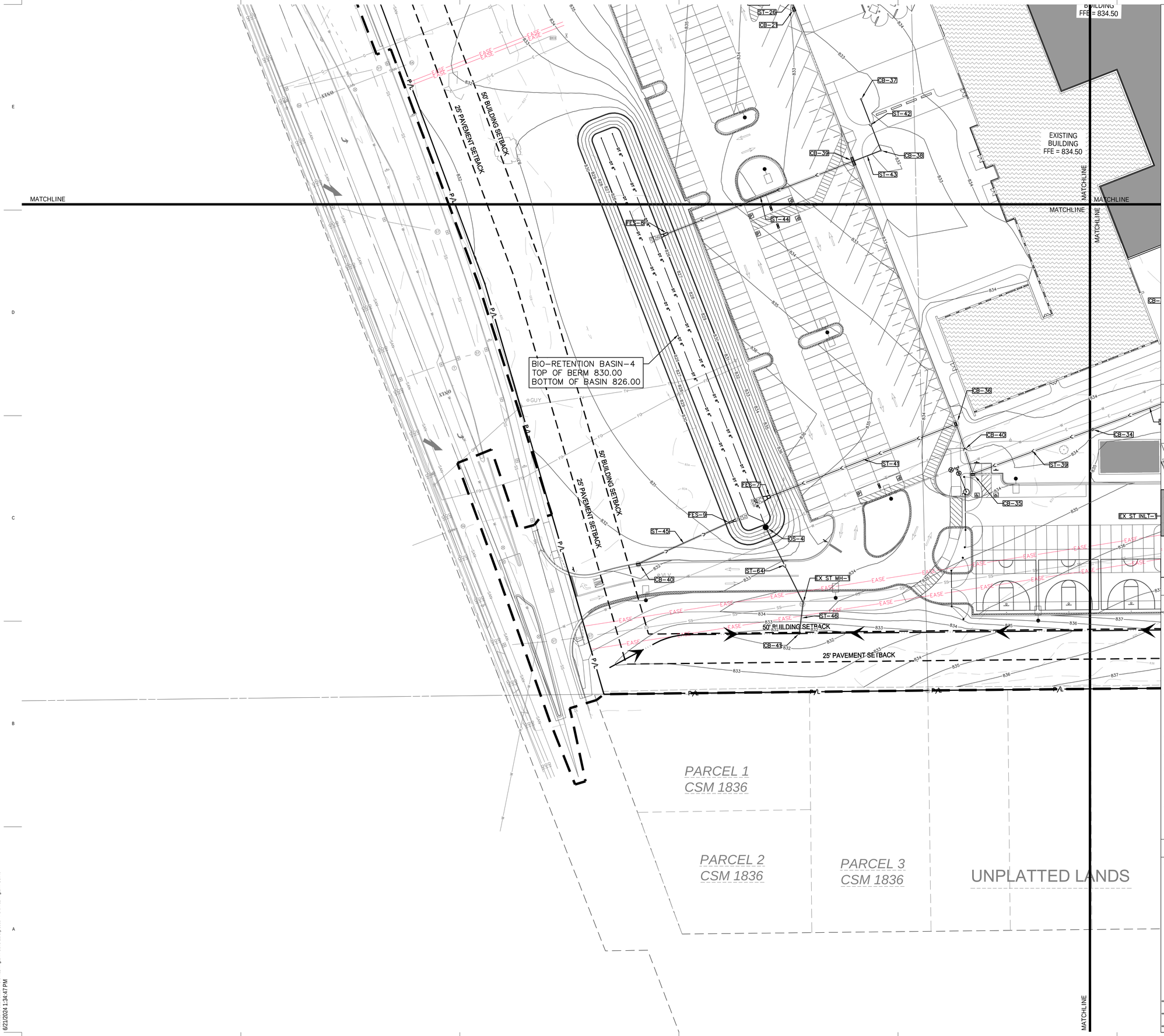


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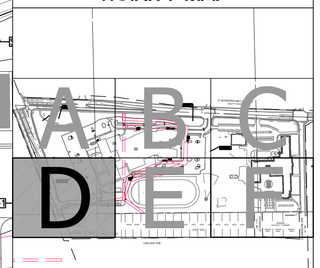


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Sheet Title: SITE UTILITY PLAN - AREA D

Sheet Number: C1.54D

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BUILDING
FFE = 834.50

PROPOSED
BUILDING
FFE = 834.50

EXISTING
BUILDING
FFE = 834.50

MATCHLINE

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

EASE

W

LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5

CRAIGS ADDN.

ATTED LANDS

LINCOLN AVE.

BIO-RETE
TOP OF E
BOTTOM

Scale: 0 15 30 60
Scale: 1" = 30'

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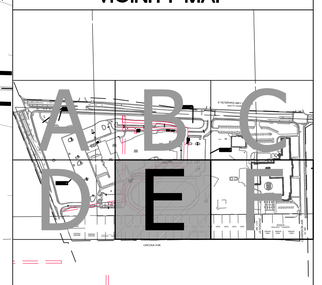


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C1.55E

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BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

CB-45

CB-44

ST-51

50' BUILDING SETBACK

25' PAVEMENT SETBACK

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

FND. 1" IP 1.82' WEST

REPLAT OF WILSO
SUBDIVISI

LOT 6 | LOT 5 | LOT 4 | LOT 3 | LOT 2 | LOT 1

DIVISION ST.
63.2' R/W

BLOCK B
H.A. YOUMANS ADDN.

PART OF LOT 1 | PART OF LOT 1 | PART OF LOT 1

CLARENDON AVE.
66' R/W

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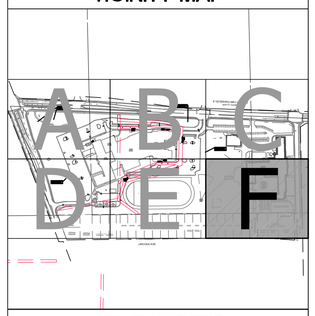


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SITE UTILITY PLAN - AREA F

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## STORM SEWER STRUCTURE TABLE

| STRUCTURE NAME: | TYPE (FRAME AND GRATE): | RIM ELEVATION: | PIPES IN: | PIPES OUT | BOTTOM: | DETAIL: |
|---|---|---|---|---|---|---|
| CB-1 | 2' X 3' RECTANGULAR (R-3067-R) | 831.96 | | ST-1, 15" E INV = 828.71 | 827.21 | |
| CB-2 | 48" DIAMETER (R-3067-L) | 832.25 | ST-1, 15" W INV = 828.42 | ST-2, 18" NE INV = 828.17 | 826.67 | |
| CB-3 | 2' X 3' RECTANGULAR (R-3067-R) | 832.43 | | ST-3, 12" W INV = 829.43 | 827.93 | |
| CB-4 | 18" NYLOPLAST DRAIN (1899CGS) | 832.43 | ST-3, 12" E INV = 829.33 | ST-4, 12" S INV = 829.33 | 827.83 | |
| CB-5 | 18" NYLOPLAST DRAIN (1899CGS) | 832.65 | ST-4, 12" N INV = 828.95 | ST-5, 12" SE INV = 828.95 | 827.45 | |
| CB-6 | 48" DIAMETER (R-3067-R) | 832.49 | ST-5, 12" NW INV = 828.73<br>ST-2, 18" SW INV = 827.76 | ST-6, 24" E INV = 827.26 | 825.76 | |
| CB-7 | 48" DIAMETER (R-2502-RA) | 832.49 | ST-6, 24" W INV = 826.68 | ST-7, 24" E INV = 826.68 | 825.18 | |
| CB-8 | 2' X 3' RECTANGULAR (R-3067-R) | 832.43 | | ST-8, 12" E INV = 828.16 | 826.66 | |
| CB-9 | 48" DIAMETER (R-3067-R) | 831.72 | ST-9, 12" SW INV = 828.10 | ST-10, 15" N INV = 827.85 | 826.35 | |
| CB-10 | 48" DIAMETER (R-3067-R) | 833.35 | ST-10, 15" S INV = 827.73 | ST-11, 18" E INV = 827.48 | 825.98 | |
| CB-11 | 2' X 3' RECTANGULAR (R-3067-R) | 832.39 | | ST-12, 12" N INV = 828.45 | 826.95 | |
| CB-12 | 2' X 3' RECTANGULAR (R-3067-R) | 831.36 | ST-12, 12" S INV = 828.13 | ST-13, 12" N INV = 828.13 | 826.63 | |
| CB-13 | 48" DIAMETER (R-3067-R) | 832.09 | | ST-14, 12" SW INV = 829.09 | 827.59 | |
| CB-14 | 48" DIAMETER (R-3067-R) | 832.02 | ST-14, 12" NE INV = 828.83 | ST-15, 15" S INV = 828.58 | 827.08 | |
| CB-15 | 18" NYLOPLAST DRAIN (1899CGS) | 832.91 | ST-15, 15" N INV = 828.26 | ST-16, 15" W INV = 828.26 | 826.76 | |
| CB-16 | 48" DIAMETER (R-2502-D) | 833.49 | ST-16, 15" E INV = 827.74<br>ST-17, 12" S INV = 827.83 | ST-18, 24" W INV = 826.83 | 825.33 | |
| CB-17 | 60" DIAMETER (R-2502-D) | 833.53 | ST-18, 24" E INV = 826.50<br>ST-19, 12" S INV = 828.19 | ST-20, 24" W INV = 826.50 | 825.00 | |
| CB-18 | 18" NYLOPLAST DRAIN (1899CGS) | 833.44 | ST-21, 12" SW INV = 828.16 | ST-22, 12" N INV = 828.16 | 826.66 | |
| CB-19 | 60" DIAMETER (R-3067-R) | 832.98 | ST-20, 24" E INV = 826.30<br>ST-22, 12" S INV = 828.03 | ST-23, 30" N INV = 825.80 | 824.30 | |
| CB-20 | 48" DIAMETER (R-3067-R) | 832.73 | | ST-25, 15" W INV = 829.48 | 827.98 | |
| CB-21 | 2' X 3' RECTANGULAR (R-3067-R) | 832.88 | | ST-26, 15" N INV = 829.62 | 828.12 | |
| CB-21B | 48" DIAMETER (R-3067-L) | 833.03 | ST-25, 15" E INV = 829.31<br>ST-26, 15" S INV = 829.47 | ST-27, 18" W INV = 829.06 | 827.56 | |
| CB-23 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | | ST-28, 8" SW INV = 832.26 | 830.76 | |
| CB-24 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-28, 8" NE INV = 831.90 | ST-29, 12" W INV = 831.57 | 830.07 | |
| CB-25 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-29, 12" E INV = 831.16 | ST-30, 12" W INV = 831.16 | 829.66 | |
| CB-26 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-30, 12" E INV = 830.33 | ST-31, 12" NW INV = 830.33 | 828.83 | |
| CB-27 | 18" NYLOPLAST DRAIN (1899CGS) | 835.14 | ST-31, 12" SE INV = 829.63 | CB-32, 12" NW INV = 829.63 | 829.63 | |
| CB-28 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | | ST-33, 8" W INV = 831.90 | 830.40 | |
| CB-29 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-33, 8" E INV = 831.07 | ST-34, 12" W INV = 830.74 | 829.24 | |
| CB-30 | 18" NYLOPLAST DRAIN (1899CGS) | 833.13 | | ST-35, 12" SW INV = 830.13 | 828.63 | |
| CB-31 | 18" NYLOPLAST DRAIN (1899CGS) | 835.13 | ST-34, 12" E INV = 830.33<br>ST-35, 12" NE INV = 829.77 | ST-36, 15" W INV = 829.52 | 828.02 | |
| CB-32 | 18" NYLOPLAST DRAIN (1899CGS) | 833.60 | | ST-37, 8" S INV = 830.60 | 829.10 | |
| CB-33 | 48" DIAMETER (R-2502-D) | 833.97 | ST-37, 8" N INV = 829.79<br>CB-32, 12" SE INV = 828.70<br>ST-36, 15" E INV = 828.44 | ST-38, 24" W INV = 827.69 | 826.19 | |
| CB-34 | 24" NYLOPLAST DRAIN (2499CGS) | 833.09 | ST-38, 24" E INV = 827.38 | ST-39, 24" W INV = 827.38 | 825.88 | |
| CB-35 | 60" DIAMETER (R-3067-R) | 833.56 | ST-39, 24" E INV = 827.06 | CB-40, 24" N INV = 827.06 | 825.56 | |
| CB-36 | 60" DIAMETER (R-3067-C) | 833.32 | CB-40, 24" S INV = 826.84 | ST-41, 24" W INV = 827.01 | 825.34 | |
| CB-37 | 18" NYLOPLAST DRAIN (1899CGS) | 832.01 | | ST-42, 8" S INV = 829.01 | 827.51 | |
| CB-38 | 18" NYLOPLAST DRAIN (1899CGS) | 831.68 | ST-42, 8" N INV = 828.55 | ST-43, 8" W INV = 828.55 | 827.05 | |
| CB-39 | 2' X 6' (R-3295-2) | 831.70 | ST-43, 8" E INV = 828.30 | ST-44, 18" W INV = 827.20 | 825.70 | |
| CB-40 | 48" DIAMETER (R-3067-R) | 831.70 | | ST-45, 12" NE INV = 827.70 | 826.20 | |
| CB-41 | 18" NYLOPLAST DRAIN (1899CGS) | 831.40 | | ST-46, 12" N INV = 827.40 | 825.90 | |
| CB-42 | 18" NYLOPLAST DRAIN (1899CGS) | 837.41 | | ST-49, 12" NW INV = 831.46 | 829.96 | |
| CB-43 | 48" DIAMETER (R-2502-D) | 832.05 | ST-49, 12" SE INV = 829.05 | ST-50, 15" N INV = 829.05 | 827.55 | |
| CB-44 | 48" DIAMETER (R-3501-RA) | 843.96 | | ST-51, 15" W INV = 839.71 | 839.71 | |
| CB-45 | 18" NYLOPLAST DRAIN (1899CGS) | 836.77 | ST-51, 15" E INV = 832.52 | ST-52, 15" W INV = 832.52 | 831.02 | |
| CB-46 | 18" NYLOPLAST DRAIN (1899CGS) | 834.07 | | ST-57, 12" SW INV = 829.30 | 827.80 | |
| CB-47 | 18" NYLOPLAST DRAIN (1899CGS) | 830.04 | ST-57, 12" NE INV = 827.04 | ST-58, 12" W INV = 827.04 | 825.54 | |
| CB-48 | 18" NYLOPLAST DRAIN (1899CGS) | 833.46 | | ST-65, 12" SW INV = 828.21 | 826.71 | |
| EX ST INLT-1 | N/A | | EX ST, 18" SE INV = 825.83<br>EX ST, 36" W INV = 825.53 | ST-47, 42" N INV = 823.53 | | |
| EX ST MH-1 | N/A | | ST-46, 12" S INV = 827.14<br>ST-64, 10" NW INV = 823.86<br>EX ST, 36" W INV = 823.86 | EX ST, 36" E INV = 823.86 | | |
| EX ST MH-2 | N/A | | ST-62, 42" S INV = 820.79 | EX ST, 36" NE INV = 820.79 | | |
| EX ST MH-3 | N/A | | ST-65, 12" NE INV = 827.21<br>EX ST, 18" S INV = 826.83 | EX ST, 18" NW INV = 826.83 | | |
| FES-1 | 24" RCP APRON ENDWALL | | ST-7, 24" W INV = 826.51 | | | |
| FES-2 | 12" RCP APRON ENDWALL | | ST-8, 12" W INV = 828.00 | | | |
| FES-3 | 18" RCP APRON ENDWALL | | ST-11, 18" W INV = 827.00 | | | |
| FES-4 | 12" RCP APRON ENDWALL | | ST-13, 12" S INV = 828.00 | | | |
| FES-5 | 30" RCP APRON ENDWALL | | ST-24, 30" E INV = 825.00 | | | |
| FES-6 | 18" RCP APRON ENDWALL | | ST-27, 18" E INV = 826.00 | | | |
| FES-7 | 24" RCP APRON ENDWALL | | ST-41, 24" E INV = 826.00 | | | |
| FES-8 | 18" RCP APRON ENDWALL | | ST-44, 18" E INV = 826.00 | | | |

## STORM SEWER STRUCTURE TABLE

| STRUCTURE NAME: | TYPE (FRAME AND GRATE): | RIM ELEVATION: | PIPES IN: | PIPES OUT | BOTTOM: | DETAIL: |
|---|---|---|---|---|---|---|
| FES-9 | 12" RCP APRON ENDWALL | | ST-45, 12" SW INV = 826.86 | | | |
| FES-10 | 36" RCP APRON ENDWALL | | | ST-66, 36" NE INV = 821.25 | | |
| FES-11 | 36" RCP APRON ENDWALL | | ST-66, 36" SW INV = 820.97 | | | |
| OS-1 | 48" OUTLET STRUCTURE | 828.25 | DT, 6" E INV = 823.75 | ST-54, 10" W INV = 823.75 | 822.25 | |
| OS-2 | 48" OUTLET STRUCTURE | 829.00 | DT, 6" N INV = 824.50 | ST-59, 10" S INV = 824.50 | 825.00 | |
| OS-3 | 48" OUTLET STRUCTURE | 827.00 | DT, 6" S INV = 822.50 | ST-63, 10" E INV = 822.50 | 821.50 | |
| OS-4 | 48" OUTLET STRUCTURE | 828.00 | DT, 6" NW INV = 824.00 | ST-64, 10" SE INV = 824.00 | 822.50 | |
| ST BLDG-1 | N/A | | | ST-9, 12" NE INV = 828.50 | | |
| ST BLDG-2 | N/A | | | ST-17, 12" N INV = 828.50 | | |
| ST BLDG-3 | N/A | | | ST-19, 12" N INV = 828.50 | | |
| ST BLDG-4 | N/A | | | ST-21, 12" NE INV = 828.50 | | |
| ST MH-1 | 60" DIAMETER (R-1661) | 835.03 | ST-23, 30" S INV = 825.58 | ST-24, 30" W INV = 825.58 | 825.58 | |
| ST MH-2 | 72" DIAMETER (R-1661) | 835.68 | ST-47, 42" S INV = 823.24 | ST-48, 42" E INV = 823.24 | 823.24 | |
| ST MH-3 | 48" DIAMETER (R-1661) | 833.60 | ST-50, 15" S INV = 828.55<br>ST-52, 15" E INV = 828.55 | ST-53, 18" N INV = 828.30 | 828.30 | |
| ST MH-4 | 48" DIAMETER (R-1661) | 834.00 | ST-53, 18" S INV = 826.77<br>ST-54, 10" E INV = 823.13 | ST-55, 24" W INV = 823.13 | 823.13 | |
| ST MH-5 | 72" DIAMETER (R-1661) | 833.90 | ST-48, 42" W INV = 822.37<br>ST-55, 24" E INV = 822.82 | ST-56, 42" N INV = 822.37 | 822.37 | |
| ST MH-6 | 72" DIAMETER (R-1661) | 831.86 | ST-56, 42" S INV = 821.85<br>ST-58, 12" E INV = 825.00<br>ST-59, 10" N INV = 824.23 | ST-60, 42" W INV = 821.85 | 821.85 | |
| ST MH-7 | 72" DIAMETER (R-1661) | 833.63 | ST-60, 42" E INV = 821.57 | ST-61, 42" W INV = 821.57 | 821.57 | |
| ST MH-8 | 72" DIAMETER (R-1661) | 833.73 | ST-61, 42" E INV = 820.88<br>ST-63, 10" W INV = 820.88 | ST-62, 42" N INV = 820.88 | 820.88 | |

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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

*NOT FOR CONSTRUCTION*

Project Number:
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4/2/2025

Sheet Title:
SITE UTILITY PLAN - TABLES

Sheet Number:
C1.57G

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## STORM SEWER PIPE TABLE

| PIPE NAME: | FROM: | TO: | UPSTREAM INVERT ELEVATION: | DOWNSTREAM INVERT ELEVATION: | LENGTH: | SLOPE: | SIZE AND MATERIAL: | GPM: |
|---|---|---|---|---|---|---|---|---|
| CB-32 | CB-27 | CB-33 | 829.63 | 828.70 | 93.14' | 1.00% | 12" DUAL WALL HDPE | |
| CB-40 | CB-35 | CB-36 | 827.06 | 826.84 | 44.13' | 0.50% | 24" DUAL WALL HDPE | |
| ST-1 | CB-1 | CB-2 | 828.71 | 828.42 | 29.23' | 1.00% | 15" DUAL WALL HDPE | |
| ST-2 | CB-2 | CB-6 | 828.17 | 827.76 | 81.90' | 0.50% | 18" DUAL WALL HDPE | |
| ST-3 | CB-3 | CB-4 | 829.43 | 829.33 | 20.50' | 0.50% | 12" DUAL WALL HDPE | |
| ST-4 | CB-4 | CB-5 | 829.33 | 828.95 | 75.03' | 0.50% | 12" DUAL WALL HDPE | |
| ST-5 | CB-5 | CB-6 | 828.95 | 828.73 | 28.99' | 0.75% | 12" DUAL WALL HDPE | |
| ST-6 | CB-6 | CB-7 | 827.26 | 826.68 | 192.00' | 0.30% | 24" DUAL WALL HDPE | |
| ST-7 | CB-7 | FES-1 | 826.68 | 826.51 | 15.00' | 1.14% | 24" CLASS IV RCP | |
| ST-8 | CB-8 | FES-2 | 828.16 | 828.00 | 11.09' | 1.47% | 12" CLASS IV RCP | |
| ST-9 | ST BLDG-1 | CB-9 | 828.50 | 828.10 | 52.90' | 0.75% | 12" SDR 35 PVC | |
| ST-10 | CB-9 | CB-10 | 827.85 | 827.73 | 11.78' | 1.00% | 15" DUAL WALL HDPE | |
| ST-11 | CB-10 | FES-3 | 827.48 | 827.00 | 120.55' | 0.40% | 18" CLASS IV RCP | |
| ST-12 | CB-11 | CB-12 | 828.45 | 828.13 | 32.07' | 1.00% | 12" DUAL WALL HDPE | |
| ST-13 | CB-12 | FES-4 | 828.13 | 828.00 | 12.59' | 1.00% | 12" CLASS IV RCP | |
| ST-14 | CB-13 | CB-14 | 829.09 | 828.83 | 26.42' | 1.00% | 12" DUAL WALL HDPE | |
| ST-15 | CB-14 | CB-15 | 828.58 | 828.26 | 42.50' | 0.75% | 15" DUAL WALL HDPE | |
| ST-16 | CB-15 | CB-16 | 828.26 | 827.74 | 69.35' | 0.75% | 15" DUAL WALL HDPE | |
| ST-17 | ST BLDG-2 | CB-16 | 828.50 | 827.83 | 66.75' | 1.00% | 12" SDR 35 PVC | |
| ST-18 | CB-16 | CB-17 | 826.83 | 826.50 | 89.22' | 0.37% | 24" DUAL WALL HDPE | |
| ST-19 | ST BLDG-3 | CB-17 | 828.50 | 828.19 | 30.62' | 1.00% | 12" DUAL WALL HDPE | |
| ST-20 | CB-17 | CB-19 | 826.50 | 826.30 | 79.28' | 0.25% | 24" DUAL WALL HDPE | |
| ST-21 | ST BLDG-4 | CB-18 | 828.50 | 828.16 | 33.74' | 1.00% | 12" DUAL WALL HDPE | |
| ST-22 | CB-18 | CB-19 | 828.16 | 828.03 | 12.50' | 1.00% | 12" DUAL WALL HDPE | |
| ST-23 | CB-19 | ST MH-1 | 825.80 | 825.58 | 89.00' | 0.25% | 30" DUAL WALL HDPE | |
| ST-24 | ST MH-1 | FES-5 | 825.58 | 825.00 | 232.99' | 0.25% | 30" CLASS IV RCP | |
| ST-25 | CB-20 | CB-21B | 829.48 | 829.31 | 16.88' | 1.00% | 15" DUAL WALL HDPE | |
| ST-26 | CB-21 | CB-21B | 829.62 | 829.47 | 14.97' | 1.00% | 15" DUAL WALL HDPE | |
| ST-27 | CB-21B | FES-6 | 829.06 | 826.00 | 274.54' | 1.11% | 18" CLASS IV RCP | |
| ST-28 | CB-23 | CB-24 | 832.26 | 831.90 | 140.75' | 0.25% | 8" SDR 35 PVC | |
| ST-29 | CB-24 | CB-25 | 831.57 | 831.16 | 164.99' | 0.25% | 12" DUAL WALL HDPE | |
| ST-30 | CB-25 | CB-26 | 831.16 | 830.33 | 165.01' | 0.50% | 12" DUAL WALL HDPE | |
| ST-31 | CB-26 | CB-27 | 830.33 | 829.63 | 140.79' | 0.50% | 12" DUAL WALL HDPE | |
| ST-33 | CB-28 | CB-29 | 831.90 | 831.07 | 165.00' | 0.50% | 8" DUAL WALL HDPE | |
| ST-34 | CB-29 | CB-31 | 830.74 | 830.33 | 165.00' | 0.25% | 12" DUAL WALL HDPE | |
| ST-35 | CB-30 | CB-31 | 830.13 | 829.77 | 143.13' | 0.25% | 12" DUAL WALL HDPE | |
| ST-36 | CB-31 | CB-33 | 829.52 | 828.44 | 142.85' | 0.76% | 15" DUAL WALL HDPE | |
| ST-37 | CB-32 | CB-33 | 830.60 | 829.79 | 81.10' | 1.00% | 8" SDR 35 PVC | |
| ST-38 | CB-33 | CB-34 | 827.69 | 827.38 | 102.78' | 0.30% | 24" DUAL WALL HDPE | |
| ST-39 | CB-34 | CB-35 | 827.38 | 827.06 | 107.16' | 0.30% | 24" DUAL WALL HDPE | |
| ST-41 | CB-36 | FES-7 | 827.01 | 826.00 | 167.62' | 0.60% | 24" CLASS IV RCP | |
| ST-42 | CB-37 | CB-38 | 829.01 | 828.55 | 46.13' | 1.00% | 8" SDR 35 PVC | |
| ST-43 | CB-38 | CB-39 | 828.55 | 828.30 | 24.50' | 1.00% | 8" SDR 35 PVC | |
| ST-44 | CB-39 | FES-8 | 827.20 | 826.00 | 167.49' | 0.72% | 18" CLASS IV RCP | |
| ST-45 | CB-40 | FES-9 | 827.70 | 826.86 | 83.64' | 1.00% | 12" CLASS IV RCP | |
| ST-46 | CB-41 | EX ST MH-1 | 827.40 | 827.14 | 26.18' | 1.00% | 12" DUAL WALL HDPE | |
| ST-47 | EX ST INLT-1 | ST MH-2 | 823.53 | 823.24 | 159.03' | 0.18% | 42" CLASS IV RCP | |
| ST-48 | ST MH-2 | ST MH-5 | 823.24 | 822.37 | 479.45' | 0.18% | 42" CLASS IV RCP | |
| ST-49 | CB-42 | CB-43 | 831.46 | 829.05 | 80.48' | 3.00% | 12" DUAL WALL HDPE | |
| ST-50 | CB-43 | ST MH-3 | 829.05 | 828.55 | 99.14' | 0.50% | 15" DUAL WALL HDPE | |
| ST-51 | CB-44 | CB-45 | 839.71 | 832.52 | 378.94' | 1.90% | 15" DUAL WALL HDPE | |
| ST-52 | CB-45 | ST MH-3 | 832.52 | 828.55 | 107.48' | 3.69% | 15" DUAL WALL HDPE | |
| ST-53 | ST MH-3 | ST MH-4 | 828.30 | 826.77 | 204.50' | 0.75% | 18" DUAL WALL HDPE | |
| ST-54 | OS-1 | ST MH-4 | 823.75 | 823.13 | 49.69' | 1.25% | 10" SDR 35 PVC | |
| ST-55 | ST MH-4 | ST MH-5 | 823.13 | 822.82 | 123.40' | 0.25% | 24" DUAL WALL HDPE | |
| ST-56 | ST MH-5 | ST MH-6 | 822.37 | 821.85 | 298.62' | 0.18% | 42" CLASS IV RCP | |
| ST-57 | CB-46 | CB-47 | 829.30 | 827.04 | 112.90' | 2.00% | 12" DUAL WALL HDPE | |
| ST-58 | CB-47 | ST MH-6 | 827.04 | 825.00 | 204.34' | 1.00% | 12" DUAL WALL HDPE | |
| ST-59 | OS-2 | ST MH-6 | 824.50 | 824.23 | 26.61' | 1.00% | 10" SDR 35 PVC | |
| ST-60 | ST MH-6 | ST MH-7 | 821.85 | 821.57 | 153.77' | 0.18% | 42" CLASS IV RCP | |
| ST-61 | ST MH-7 | ST MH-8 | 821.57 | 820.88 | 366.51' | 0.19% | 42" CLASS IV RCP | |
| ST-62 | ST MH-8 | EX ST MH-2 | 820.88 | 820.79 | 44.21' | 0.20% | 42" CLASS IV RCP | |
| ST-63 | OS-3 | ST MH-8 | 822.50 | 820.88 | 433.62' | 0.37% | 10" SDR 35 PVC | |
| ST-64 | OS-4 | EX ST MH-1 | 824.00 | 823.86 | 70.59' | 0.20% | 10" SDR 35 PVC | |
| ST-65 | CB-48 | EX ST MH-3 | 828.21 | 827.21 | 24.07' | 4.16% | 12" DUAL WALL HDPE | |
| ST-66 | FES-10 | FES-11 | 821.25 | 820.97 | 28.65' | 1.00% | 36" CLASS IV RCP | |

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RENOVATION AND ADDITION TO:
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Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
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SITE UTILITY PLAN - TABLES

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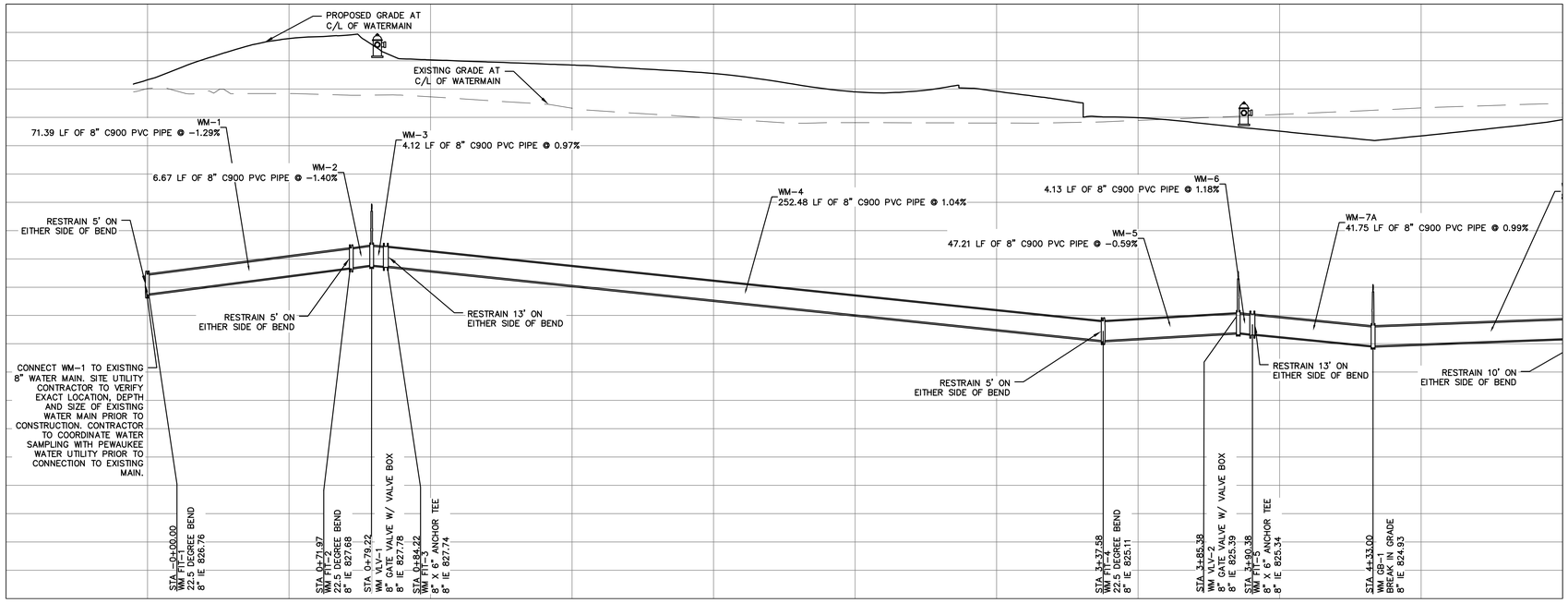


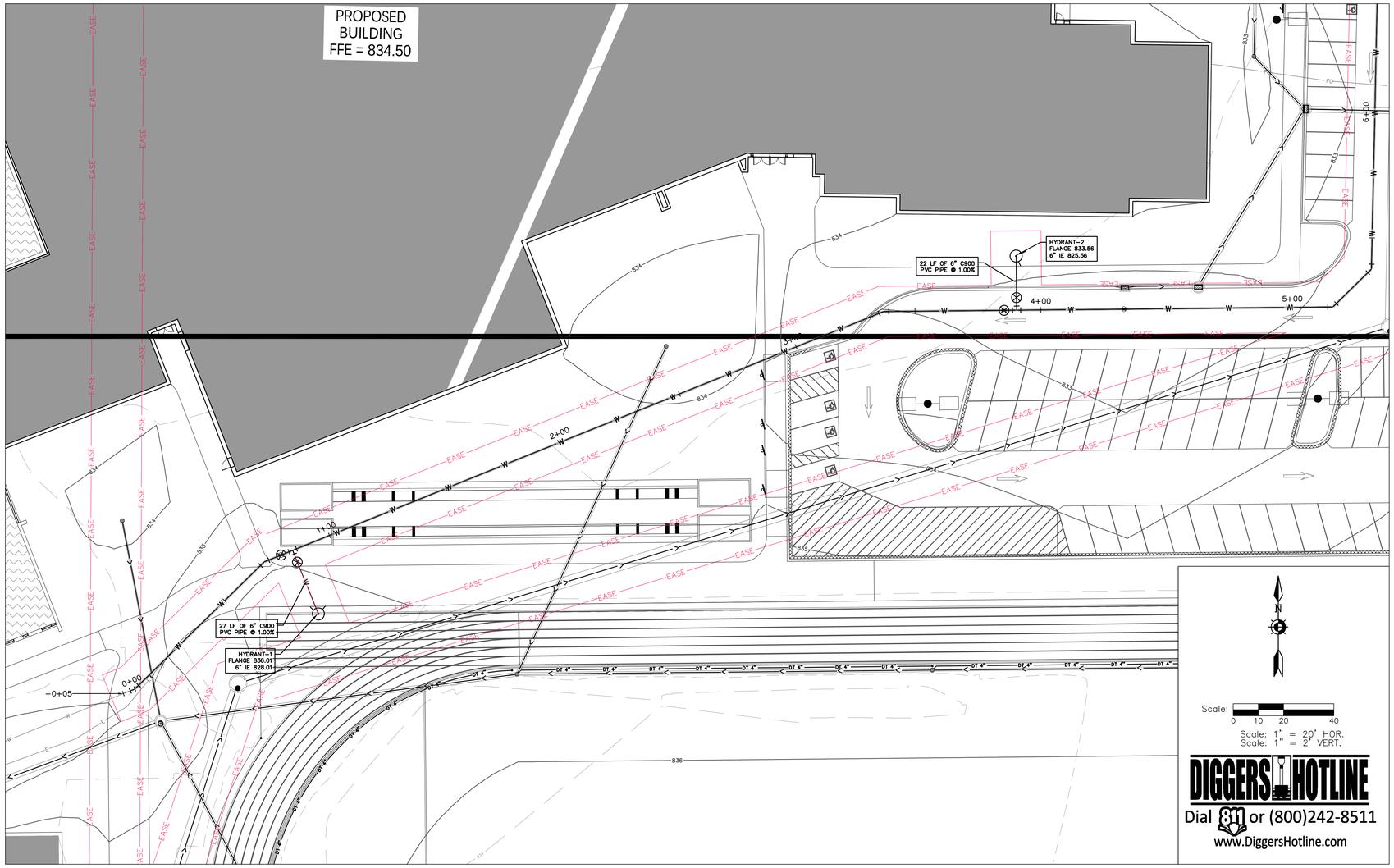


## GENERAL NOTES

1. ALL WATER MAIN MATERIALS, INSTALLATION, CONSTRUCTION, AND TESTING SHALL BE DONE PER APPLICABLE SECTIONS OF THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, WISCONSIN ADMINISTRATION PLUMBING CODE, AND THE VILLAGE OF PEWAUKEE AND PEWAUKEE WATER UTILITY STANDARDS.
2. CONTRACTOR SHALL COORDINATE WITH PEWAUKEE WATER UTILITY FOR ALL CONSTRUCTION INSPECTION 72 HOURS PRIOR TO COMMENCING WORK.
3. PROPOSED WATER MAIN SHALL REMAIN ISOLATED FROM EXISTING WATER MAIN UNTIL PROPOSED WATER MAIN HAS PASSED ALL REQUIRED TESTS.
4. ALL WATER MAIN AND SERVICES ARE TO BE BEDDED AND COVERED WITH STONE CHIPS PER SWS 8.43.2(A), AND BACKFILLED WITH MECHANICALLY COMPACTED GRANULAR BACKFILL PER SWS 8.43.4 IN PAVED AREAS/SHOULDERS AND WITHIN 5 FEET OF THE PAVED/SHOULDER AREAS. SPOIL BACKFILL WILL BE ALLOWED IN NON-PAVEMENT AND NON-SHOULDERED AREAS. SLURRY BACKFILL REQUIRED IN EXISTING PAVED AREAS.
6. PIPE MATERIAL SHALL BE PVC MEETING THE FOLLOWING: FOR 4"-12" DIAMETER MAIN, AWWA C900, CLASS 150 WITH DR 18 OR LESS. FOR 6" DIAMETER HYDRANT LATERALS, AWWA C900, CLASS 200 WITH DR 18 OR LESS.
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11. CONTRACTOR SHALL TEST WATER MAIN MAINLINE AND LATERAL TRACER WIRE TRACEABILITY OF THE ENTIRE WATER MAIN SYSTEM INSTALLED DURING THE PROJECT.

## UTILITY NOTES

PROJECT LIMITS

EASE — 20' PROPOSED UTILITY EASEMENT

CAUTION — KNOWN UTILITY AND POTENTIAL CONFLICT EXIST WITH EXISTING UNDERGROUND UTILITIES. PRIOR TO UTILITY INSTALLATION, CONTRACTOR TO EXCAVATE AND EXPOSE EXISTING UTILITIES, VERIFY LOCATIONS AND ELEVATIONS, AND CONTACT ENGINEER IF CONFLICTS EXIST WITH PROPOSED CONSTRUCTION AND EXISTING UNDERGROUND UTILITIES..

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2. THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITY, PROPERTY OWNER, AND DIGGERS HOTLINE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
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Project Title:
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Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
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NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: PUBLIC WATER MAIN - PLAN & PROFILE - STA. 0+00 TO 5+00

Sheet Number: C1.59I

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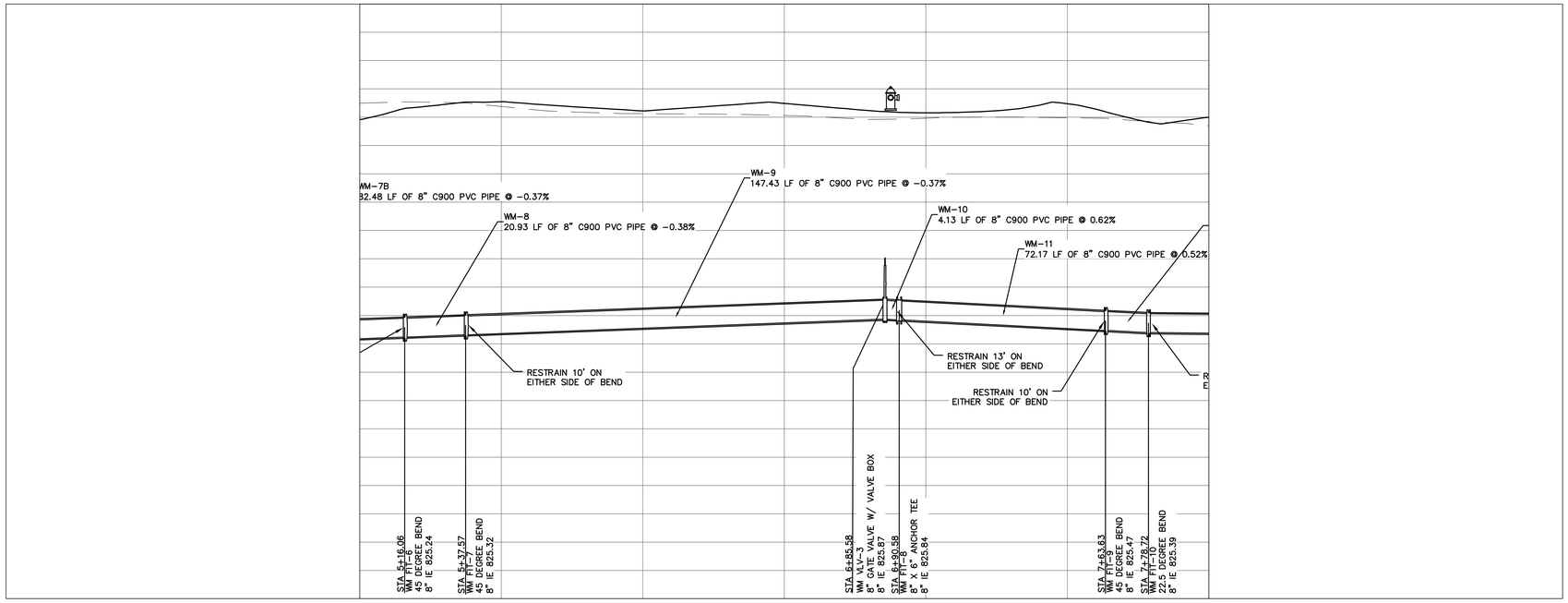


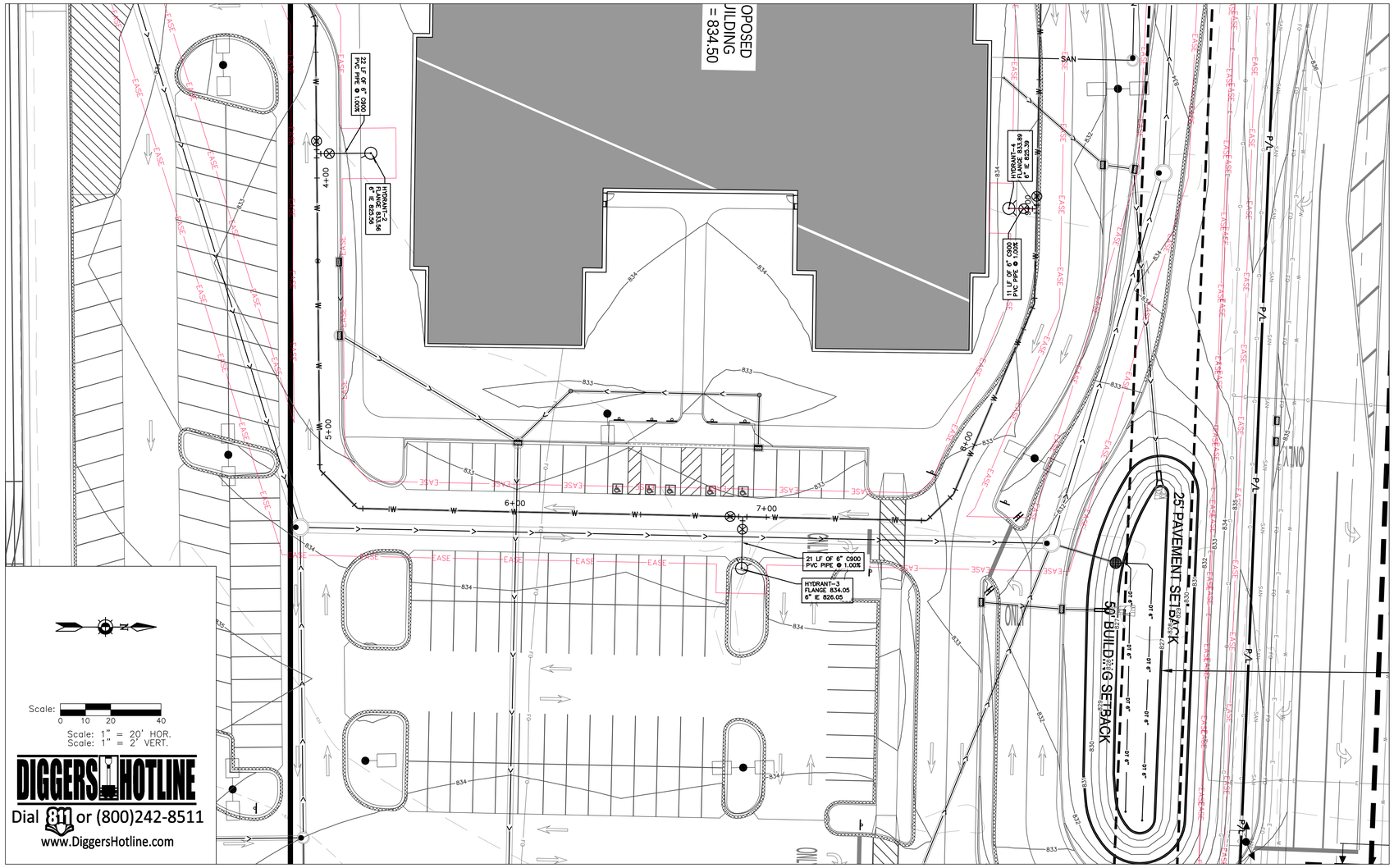


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Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: PUBLIC WATER MAIN - PLAN & PROFILE STA. - 5+00 TO 8+00

Sheet Number: C1.60J

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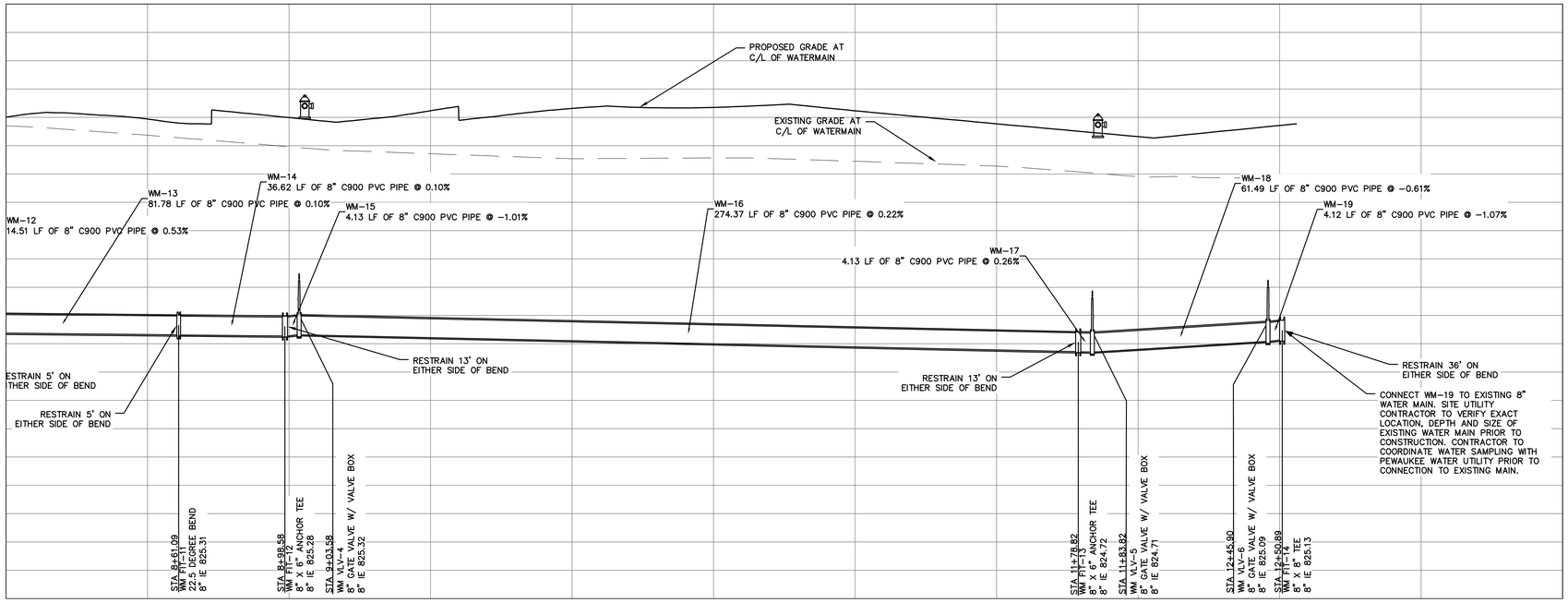


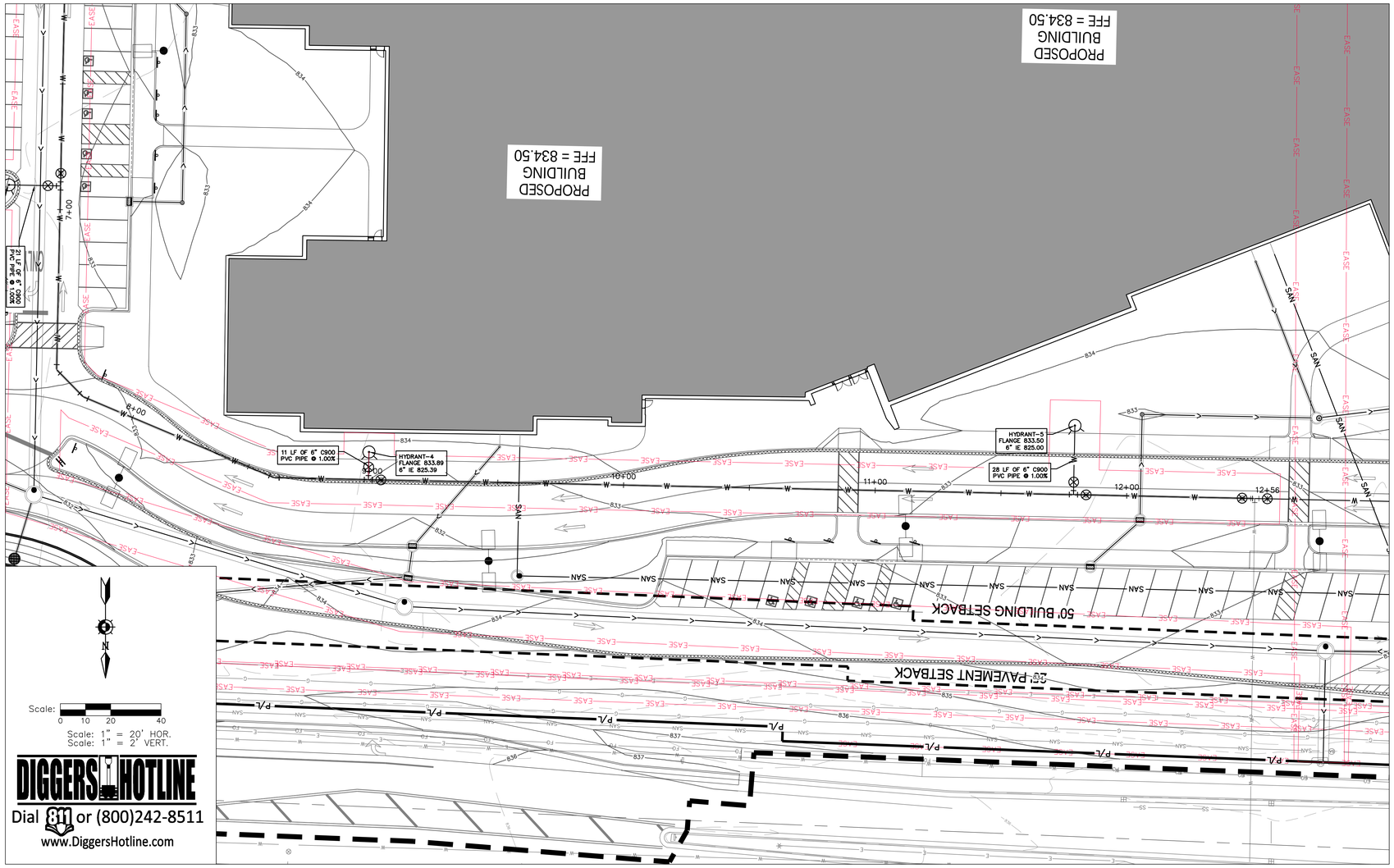


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Project Number: 3526

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Sheet Title: PUBLIC WATER MAIN - PLAN & PROFILE - STA. 8+00 TO 12+50.89

Sheet Number: C1.61K

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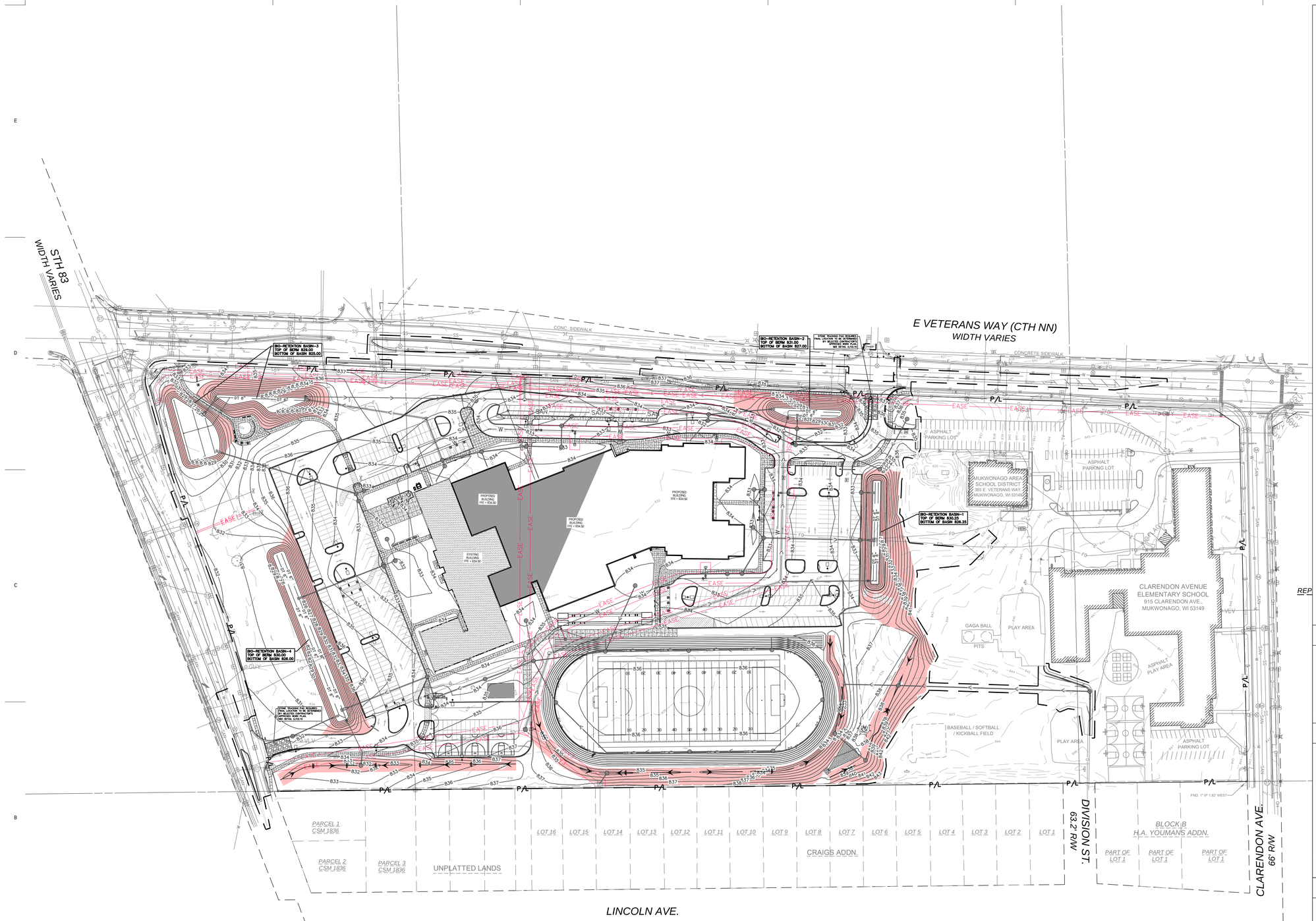


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## EROSION NOTES

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS AND WPDES PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.

AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN WETLANDS, WATERWAYS OR FLOOD PLAINS UNLESS IDENTIFIED IN THE PLANS.

## POINTS OF CONTACT


LAND OWNER:

ANDY WENGER – OPERATIONS MANAGER
MUKWONAGO AREA SCHOOL DISTRICT
385 E VETERANS WAY
MUKWONAGO, WI 53149
PHONE: (262) 363-6300

PROJECT ENGINEER:

MICHAEL J. FROEHLICH, P.E.
KAPUR & ASSOCIATES, INC
788 N JEFFERSON STREET, STE 900
MILWAUKEE, WI 53202
PHONE: (414) 751-7200

CONSTRUCTION MANAGER:

JASUN BERKA – SUPERINTENDENT
JP CULLEN
104 E PLEASANT STREET
MILWAUKEE, WI 53212
PHONE: (414) 988-0088


## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- INSTALL EROSION MAT ON ALL SLOPES GREATER THAN 4:1 AND ALL DRAINAGE SWALES
- USE CLASS I, TYPE A FROM WSDOT PRODUCT APPROVED LIST FOR ALL SIDE SLOPES
- USE CLASS II, TYPE B FOR ALL DRAINAGE SWALES. INSTALL EROSION MAT ON THE BOTTOM OF AND A MINIMUM OF 2 FEET VERTICALLY UP THE SIDE SLOPES OF ALL DRAINAGE SWALES. CLASS I, TYPE A MAY BE USED FOR THE REMAINDER OF THE SIDE SLOPES IN DRAINAGE SWALES EXCEEDING 2 FEET VERTICALLY.
- INSTALL CLASS III TRM, TYPE B FROM WSDOT PRODUCT APPROVED LIST. CLASS I, TYPE A MUST ALSO BE INSTALLED IN THIS AREA PER WDNR TECHNICAL BULLETIN 1053
- SF — FILTER FABRIC FENCE
- STONE TRACKING PAD REQUIRED; LOCATION TO BE DETERMINED BY SELECTED CONTRACTOR'S APPROVED WORK PLAN.
- TRIANGULAR SILT DIKES
- DESIGNATES PROPOSED INLETS THAT MUST BE PROTECTED AFTER THEY HAVE BEEN CONSTRUCTED.
- DESIGNATES EXISTING INLETS THAT MUST BE PROTECTED


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Sheet Title: OVERALL SITE EROSION CONTROL PLAN

Sheet Number: C1.70

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STH 83
WIDTH VARIES

MATCHLINE

BIO-RETENTION BASIN-3
TOP OF BERM 829.00
BOTTOM OF BASIN 825.00

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

PROPOSED BUILDING
FFE = 834.50

EXISTING BUILDING
FFE = 834.50

MATCHLINE

MATCHLINE

MATCHLINE

MATCHLINE

Scale:
0 15 30 60
Scale: 1" = 30'

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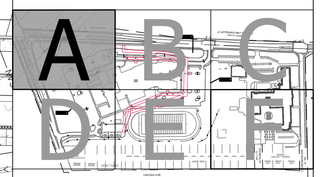
## VICINITY MAP




## EROSION NOTES

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## POINTS OF CONTACT


LAND OWNER:

ANDY WENGER – OPERATIONS MANAGER
MUKWONAGO AREA SCHOOL DISTRICT
385 E VETERANS WAY
MUKWONAGO, WI 53149
PHONE: (262) 363-6300

PROJECT ENGINEER:

MICHAEL J. FROEHLICH, P.E.
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PHONE: (414) 751-7200

CONSTRUCTION MANAGER:

JASUN BERKA – SUPERINTENDENT
JP CULLEN
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MILWAUKEE, WI 53212
PHONE: (414) 988-0088


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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
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NOT FOR CONSTRUCTION

Project Number:
3526

Issued For:
PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
SITE EROSION CONTROL PLAN - AREA A

Sheet Number:
C1.71A

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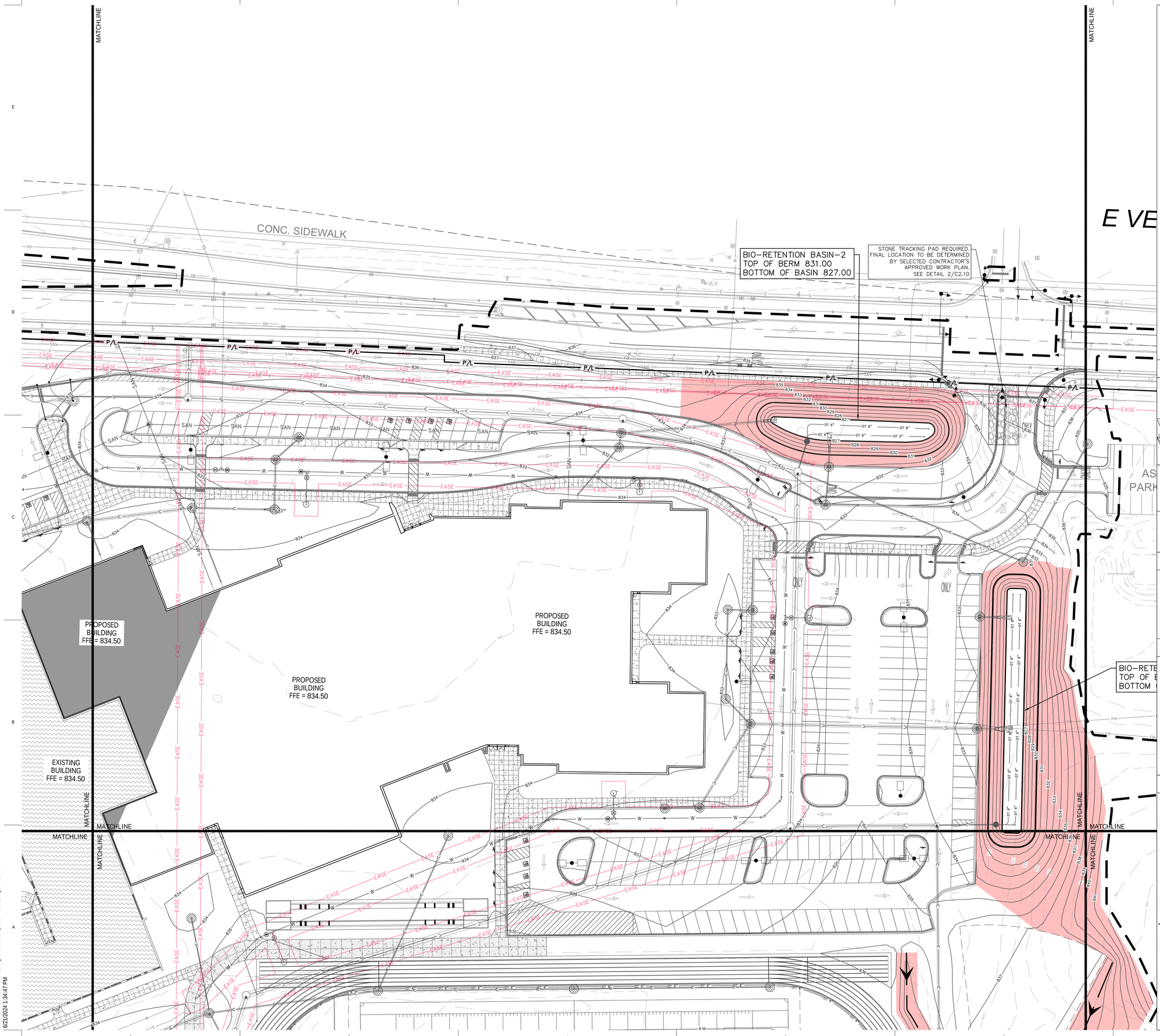


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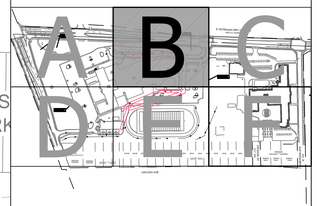


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Project Number:
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Sheet Title:
SITE EROSION CONTROL PLAN - AREA B

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C1.72B

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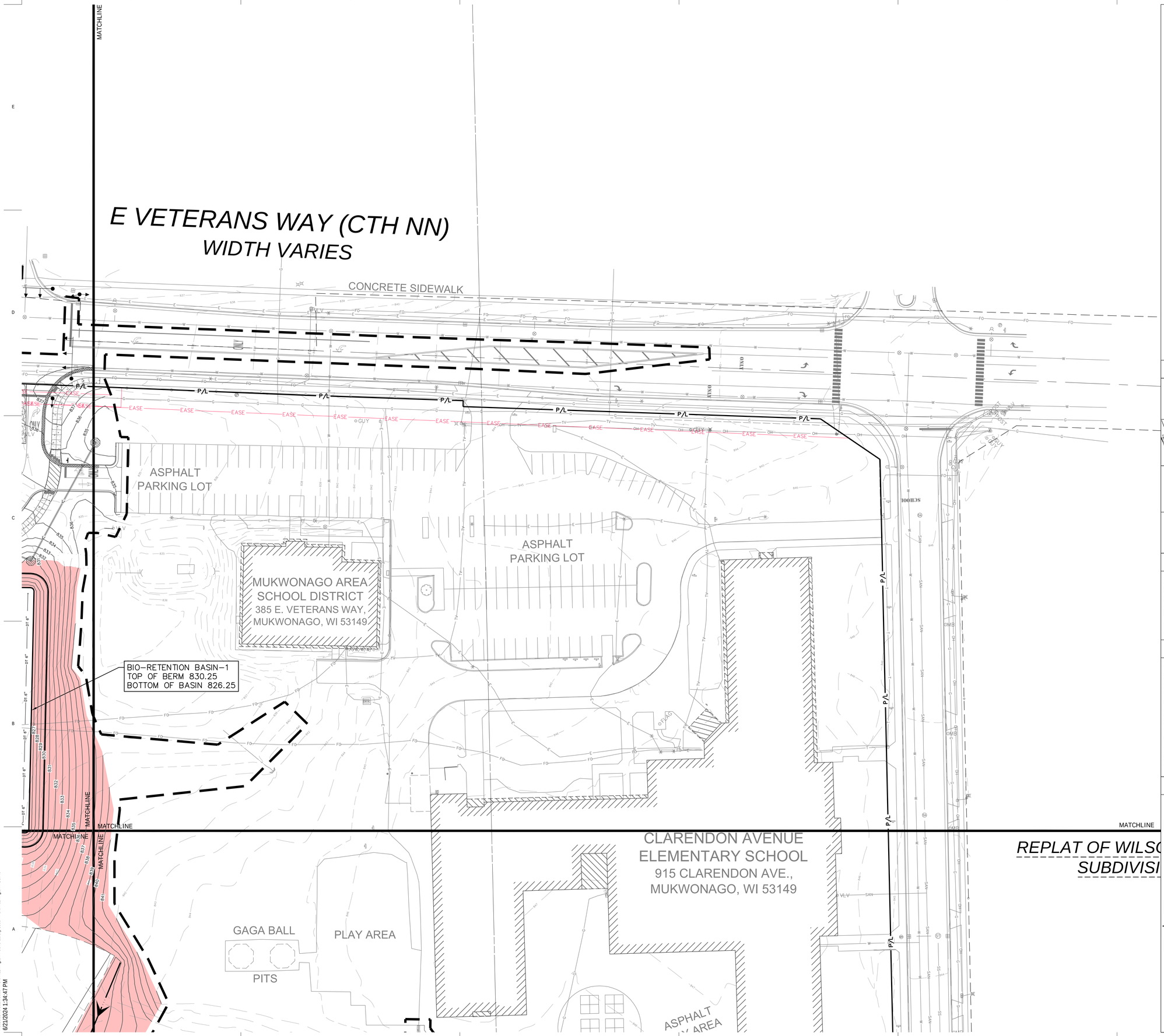


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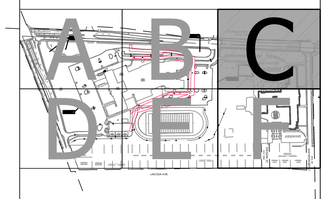


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Project Number:
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4/2/2025

Sheet Title:
SITE EROSION CONTROL PLAN - AREA C

Sheet Number:
C1.73C

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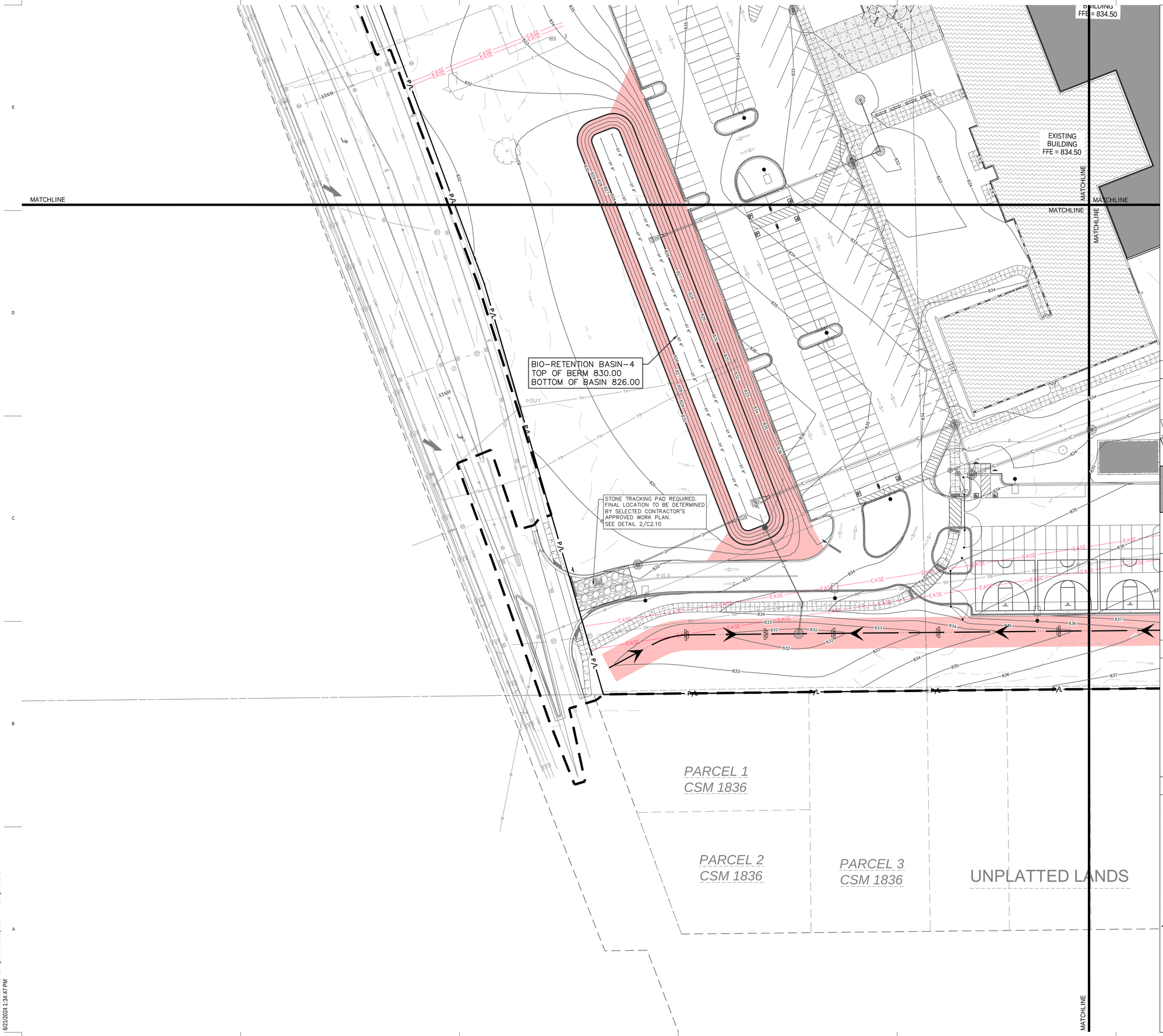


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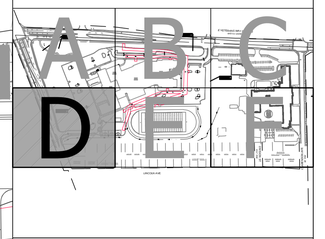

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Project Number: 3526

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Sheet Title: SITE EROSION CONTROL PLAN - AREA D

Sheet Number: C1.74D

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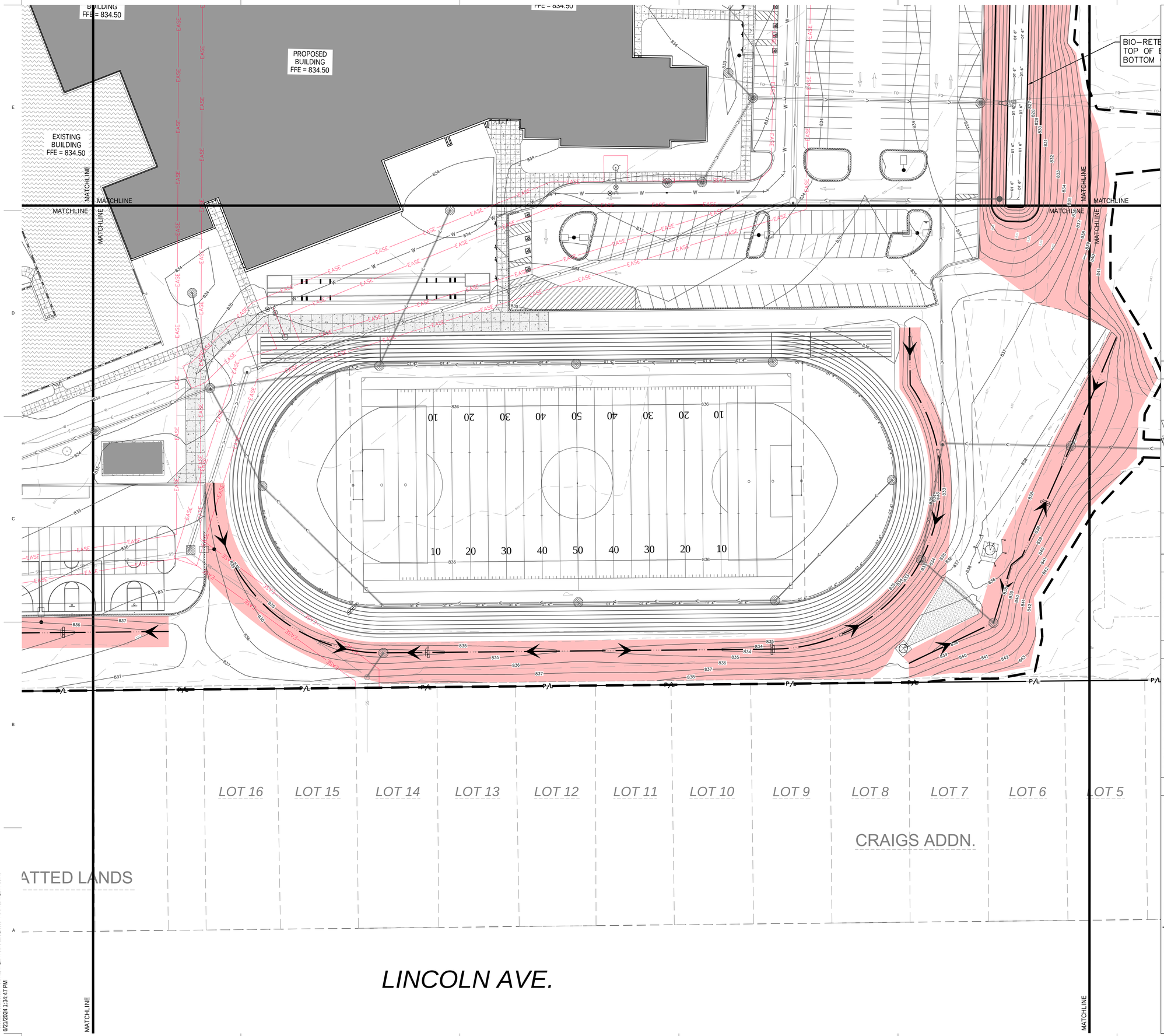


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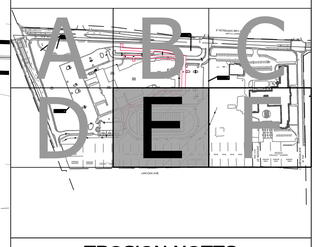


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Issued For:
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4/2/2025

Sheet Title:
SITE EROSION CONTROL PLAN - AREA E

Sheet Number:
C1.75E

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BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

MATCHLINE

CLARENDON AVENUE
ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL
PLAY AREA
PITS

ASPHALT
PLAY AREA

BASEBALL / SOFTBALL
/ KICKBALL FIELD

PLAY AREA

ASPHALT
PARKING LOT

P/L

FND. 1" IP 1.82' WEST

*REPLAT OF WILSO*
*SUBDIVISI*

LOT 6 | LOT 5 | LOT 4 | LOT 3 | LOT 2 | LOT 1

DIVISION ST.
63.2' R/W

BLOCK B
H.A. YOUMANS ADDN.

PART OF LOT 1 | PART OF LOT 1 | PART OF LOT 1

CLARENDON AVE.
66' R/W

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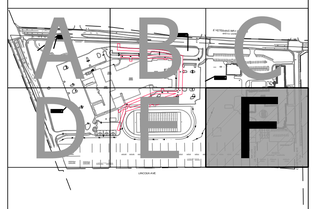


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## KEY INDEX

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- INSTALL EROSION MAT ON ALL SLOPES GREATER THAN 4:1 AND ALL DRAINAGE SWALES
  - USE CLASS I, TYPE A FROM WSDOT PRODUCT APPROVED LIST FOR ALL SIDE SLOPES
  - USE CLASS II, TYPE B FOR ALL DRAINAGE SWALES. INSTALL EROSION MAT ON THE BOTTOM OF AND A MINIMUM OF 2 FEET VERTICALLY UP THE SIDE SLOPES OF ALL DRAINAGE SWALES. CLASS I, TYPE A MAY BE USED FOR THE REMAINDER OF THE SIDE SLOPES IN DRAINAGE SWALES EXCEEDING 2 FEET VERTICALLY.
- INSTALL CLASS III TRM, TYPE B FROM WSDOT PRODUCT APPROVED LIST. CLASS I, TYPE A MUST ALSO BE INSTALLED IN THIS AREA PER WDNR TECHNICAL BULLETIN 1053
- SF — FILTER FABRIC FENCE
- STONE TRACKING PAD REQUIRED. LOCATION TO BE DETERMINED BY SELECTED CONTRACTOR'S APPROVED WORK PLAN.
- TRIANGULAR SILT DIKES
- DESIGNATES PROPOSED INLETS THAT MUST BE PROTECTED AFTER THEY HAVE BEEN CONSTRUCTED.
- DESIGNATES EXISTING INLETS THAT MUST BE PROTECTED


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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
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SITE EROSION CONTROL PLAN - AREA F

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# EROSION CONTROL MEASURES

1. CONTRACTOR TO INSTALL AND MAINTAIN EROSION CONTROL MEASURES AS INDICATED ON THIS PLAN AND PER THE LATEST WDNR TECHNICAL STANDARDS. TECHNICAL STANDARDS MAY BE VIEWED ONLINE AT: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html

2. INLETS AND CATCH BASINS SHALL BE PROTECTED WITH INLET FILTERS THAT ARE PHASED IN WITH CONSTRUCTION TO REDUCE SEDIMENT FROM ENTERING THESE AREAS PER WDNR TECHNICAL STANDARD 1060 AS FOLLOWS:

   ALL FABRIC BARRIERS SELECTED FOR INLET/CATCH BASIN PROTECTION DEVICES SHALL BE SELECTED FROM THE LIST OF APPROVED FABRICS CERTIFIED FOR INLET PROTECTION, GEOTEXTILE FABRIC, TYPE FF IN THE CURRENT EDITION OF THE WiscDOT PRODUCT ACCEPTABILITY LIST, TO OBTAIN THE PAL, PLEASE REFER TO THIS WEBSITE: http://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnslt-rsrces/tools/pal/pal-7-14.pdf

   A. INLET PROTECTION SHALL BE AT A MINIMUM INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT OF ½ INCH OR GREATER DURING A 24-HOUR PERIOD.
   B. PLACEMENT OF SPOIL MATERIAL, DEBRIS, SOILS, ETC. ON TOP OF INLETS/CATCH BASINS, EVEN IF TEMPORARY, IS STRICTLY DISCOURAGED AND PROHIBITED.
   C. SEDIMENT DEPOSITS SHALL BE REMOVED AND THE INLET PROTECTION DEVICE RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED BETWEEN 1/3 TO ½ THE DESIGN DEPTH OF THE DEVICE FOR TYPES A-C, WHEN SEDIMENT IS WITHIN 6" OF THE BOTTOM OF THE OVERFLOW HOLE FOR TYPE D, OR WHEN THE DEVICE IS NO LONGER FUNCTIONING PER MANUFACTURER'S SPECIFICATIONS. ALL SEDIMENT COLLECTED SHALL BE PROPERLY DISPOSED OF TO PREVENT DISCHARGE INTO AREA WATERWAYS AND WETLANDS.
   D. DUE CARE SHALL BE TAKEN TO ENSURE SEDIMENT DOES NOT FALL INTO THE INLETS/CATCH BASINS AND IMPEDE THE INTENDED FUNCTION OF THE DEVICE. ANY MATERIAL FALLING INTO THE INLET/CATCH BASIN SHALL BE REMOVED AND PROPERLY DISPOSED OF PER NOTE C ABOVE.
   E. INLET FILTERS MAY BE REMOVED AND PROPERLY DISPOSED OF UPON COMPLETION OF CONSTRUCTION, HAULING OR MOVEMENT OF CONSTRUCTION EQUIPMENT THROUGHOUT THE SITE, AND ONCE THE SITE IS ADEQUATELY STABILIZED, UNLESS AS OTHERWISE NOTIFIED BY THE WDNR.

3. A TRACKING PAD SHALL BE INSTALLED AS SHOWN ON THE PLAN SHEET PRIOR TO THE START OF CONSTRUCTION TO REDUCE OFF-SITE SEDIMENTATION BY ELIMINATING THE TRACKING OF SEDIMENT FROM THE SITE PER WDNR TECHNICAL STANDARD 1057 AS FOLLOWS:
   A. AGGREGATE USED FOR TRACKING PADS SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE. ALL MATERIAL TO BE RETAINED BY 3 INCH SIEVE.
   B. THE AGGREGATE SHALL BE PLACED IN A LAYER OF AT LEAST 12 INCHES THICK. ON SITES WITH A HIGH WATER TABLE, OR WHERE SATURATED CONDITIONS ARE EXPECTED, TRACKING PADS WILL BE UNDERLAIN WITH WisDOT TYPE R GEOTEXTILE FABRIC.
   C. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT (MIN. 15 FEET WIDE) AND BE AT LEAST 50 FEET LONG.
   D. VEHICLES TRAVELING ACROSS THE TRACKING PAD SHALL MAINTAIN A SLOW CONSTANT SPEED.
   E. ANY SEDIMENT OR ROCK ACCUMULATION ONTO LOCAL ROADWAYS SHALL BE REMOVED BY STREET CLEANING, NOT FLUSHING BEFORE THE END OF EACH WORKING DAY.
   F. THE TRACKING PAD SHALL, AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT OF ½ INCH OF RAIN OR MORE DURING A 24-HOUR PERIOD.
   G. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED AT A MINIMUM OF 12" BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.

4. THE CONSTRUCTION SITE PERIMETER AND TOPSOIL STOCKPILE AREA SHALL BE PROTECTED WITH SILT FENCE AS SHOWN ON THE PLAN SHEET PRIOR TO THE START OF CONSTRUCTION TO INTERCEPT AND REDUCE THE FLOW OF SEDIMENT-LADEN SHEET FLOW RUNOFF FROM THE CONSTRUCTION SITE PER WDNR TECHNICAL STANDARD 1056 AS FOLLOWS:
   A. SILT FENCE ENDS SHALL BE EXTENDED UPSLOPE TO PREVENT WATER FROM FLOWING AROUND THE ENDS OF THE FENCE AS SHOWN ON THE PLAN SHEET.
   B. INSTALLED SILT FENCE SHALL BE A MINIMUM 14 INCHES HIGH AND SHALL NOT EXCEED 28 INCHES IN HEIGHT MEASURED FROM THE INSTALLED GROUND ELEVATION.
   C. SILT FENCE SHALL BE SUPPORTED BY EITHER STEEL OR WOOD SUPPORT POSTS.
   D. THE MAXIMUM SPACING OF POSTS FOR NONWOVEN SILT FENCE SHALL BE 3 FEET OR FOR WOVEN FABRIC 8 FEET.
   E. SILT FENCE SHALL HAVE A SUPPORT CORD AT THE TOP OF THE FENCE.
   F. WHERE JOINTS ARE NEEDED, EACH END OF THE FABRIC SHALL BE SECURELY FASTENED TO A POST. THE POSTS SHALL BE WRAPPED AROUND EACH OTHER TO PRODUCE A STABLE AND SECURE JOINT OR SHALL BE OVERLAPPED THE DISTANCE BETWEEN TWO POSTS.
   G. A MINIMUM OF 20 INCHES OF THE POSTS SHALL EXTEND INTO THE GROUND AFTER INSTALLATION.
   H. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF THE FABRIC IN A 4 INCH WIDE BY 6 INCH DEEP TRENCH, OR 6 INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. THE TRENCH SHALL BE BACKFILLED AND COMPACTED. TRENCHES SHALL NOT BE EXCAVATED ANY WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
   I. ON THE TERMINAL ENDS OF THE SILT FENCE THE FABRIC SHALL BE WRAPPED AROUND THE POST SUCH THAT THE STAPLES ARE NOT VISIBLE.
   J. GEOTEXTILE FABRIC SPECIFICATIONS SHALL MEET VALUES ESTABLISHED IN TECHNICAL STANDARD 1056.
   K. SILT FENCE SHALL BE REMOVED ONCE THE SITE IS ADEQUATELY STABILIZED.
   L. WHEN PLACING SILT FENCE NEAR TREES, CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE ROOT SYSTEM BY AVOIDING COMPACTION AND ROOT CUTTING WITHIN A RADIUS OF 1.5 FEET MULTIPLIED BY THE INCH DIAMETER OF THE TREE.
   M. THE CONTRACTOR MAY FURTHER STRENGTHEN THE SILT FENCE BY USING HAY BALES ON THE DOWN SLOPE SIDE AS NEEDED.
   N. SILT FENCE SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD.
   O. DAMAGED OR DECOMPOSED SILT FENCE, UNDERCUTTING, OR FLOW CHANNELS AROUND THE END OF BARRIERS SHALL BE REPAIRED OR CORRECTED.
   P. SEDIMENT SHALL BE PROPERLY DISPOSED OF ONCE THE DEPOSITS REACH ½ THE HEIGHT OF THE FENCE TO PREVENT DISCHARGE INTO AREA WATERWAYS AND WETLANDS.

5. SEEDING AND MULCHING TECHNIQUES SHALL BE USED ON AREAS OF EXPOSED SOIL WHERE THE ESTABLISHMENT OF VEGETATION IS DESIRED. TEMPORARY SEEDING APPLIES TO DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND-DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 CALENDAR DAYS, REQUIRING VEGETATIVE COVER FOR LESS THAN ONE YEAR. SEED AND MULCH SHALL BE UTILIZED THROUGHOUT THE DURATION OF CONSTRUCTION TO ESTABLISH TEMPORARY VEGETATION TO HELP REDUCE EROSION PER WDNR TECHNICAL STANDARDS 1059 AND 1058 RESPECTIVELY AS FOLLOWS:
   A. TEMPORARY SEEDING REQUIRES A SEEDBED OF LOOSE SOIL TO A MINIMUM DEPTH OF 2 INCHES.
   B. FERTILIZER APPLICATION IS NOT GENERALLY REQUIRED FOR TEMPORARY SEEDING. HOWEVER, ANY APPLICATION OF FERTILIZER OR LIME SHALL BE BASED ON SOIL TESTING.
   C. THE SOIL SHALL HAVE A PH RANGE OF 5.5 TO 8.0.
   D. ALL SEED SHALL CONFORM TO THE REQUIREMENTS OF THE WISCONSIN STATE STATUTES AND OF THE ADMINISTRATIVE CODE CHAPTER ATCP 20.01 REGARDING NOXIOUS WEED SEED CONTENT AND LABELING.
   E. SEED SHALL NOT BE USED LATER THAN ONE YEAR AFTER THE TEST DATE ON THE LABEL.
   F. IN THE SUMMER-SPRING, CONTRACTOR SHALL USE OATS APPLIED AT 131 LBS/ACRE FOR TEMPORARY SEEDING PURPOSES. IN THE FALL THE CONTRACTOR SHALL USE ANNUAL RYEGRASS APPLIED AT 80 LBS/ACRE OR WINTER WHEAT OR CEREAL RYE APPLIED AT 131 LBS/ACRE. THE CONTRACTOR SHALL USE STRAW MULCH APPLIED AT 1.5 TONS/ACRE. DORMANT SEED SHALL BE USED WHEN SOIL TEMPERATURE IS CONSISTENTLY BELOW 53 DEGREES FAHRENHEIT (TYPICALLY NOV. 1 UNTIL SNOW COVER ANNUALLY). NEVER PLACE SEED ON TOP OF SNOW. IF COVER IS NEEDED AFTER SNOW FALL, CONTRACTOR MAY CHOOSE TO USE A DRY, NONTOXIC TYPE B SOIL STABILIZER PER MANUFACTURER'S SPECIFICATIONS AS REQUIRED BY THE WDNR.
   G. SEEDING SHALL NOT TAKE PLACE WHEN THE SOIL IS TOO WET.
   H. CONTRACTOR MAY CONSIDER WATERING TO HELP ESTABLISH THE SEED. WATER APPLICATION RATES SHALL BE CONTROLLED TO HELP PREVENT RUNOFF AND EROSION.
   I. DURING CONSTRUCTION, AREAS THAT HAVE BEEN SEEDED AND MULCHED SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD. INSPECT WEEKLY DURING THE GROWING SEASON UNTIL VEGETATION IS DENSELY ESTABLISHED OR THE SOD IS LAID. REPAIR AND RESEED AREAS THAT HAVE EROSION DAMAGE AS NECESSARY.
   J. CONTRACTOR IS TO LIMIT VEHICLE TRAFFIC AND OTHER FORMS OF COMPACTION IN AREAS THAT ARE SEEDED AS MUCH AS POSSIBLE. RE-SEED DRIVEN OVER AREAS AS NEEDED.
   K. MULCH SHOULD BE PLACED WITHIN 24 HOURS OF SEEDING.
   L. MULCHING OPERATIONS SHALL NOT TAKE PLACE DURING PERIODS OF EXCESSIVELY HIGH WINDS THAT WOULD PRECLUDE THE PROPER PLACEMENT OF MULCH.
   M. MULCH THAT IS DISPLACED SHALL BE REAPPLIED AND PROPERLY ANCHORED. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION TO SITE CONDITIONS.
   N. WHEN CHANNEL EROSION MAT IS USED WITHIN CONSTRUCTION SITE DIVERSION AREAS, TECHNICAL STANDARDS 1053 AND 1066 SHALL BE FOLLOWED.
   O. WHEN NON-CHANNEL EROSION MAT IS USED TECHNICAL STANDARD 1052 SHALL BE FOLLOWED.
   P. DEPENDING ON DURATION OF CONSTRUCTION, THE CONTRACTOR MAY NEED TO RE-SEED AND RE-STABILIZE THE TOPSOIL STOCKPILE AS NECESSARY TO DISCOURAGE SEDIMENT AND EROSION.

6. A COPY OF EROSION CONTROL INSPECTION REPORTS AND THE APPROVED EROSION CONTROL PLANS SHALL BE KEPT ON SITE.
7. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL PRACTICES BY THE END OF EACH WORKDAY.
8. LOCAL ROADS SHALL BE CLEAN BY THE END OF EACH WORKDAY. CONTRACTOR SHALL HAVE LOCAL ROADS SWEPT WHERE SEDIMENT ACCUMULATES.

# EROSION CONTROL OPERATION SEQUENCE + SCHEDULE

AFTER BIDS ARE RECEIVED AND A MASS GRADING CONTRACTOR IS SELECTED, A PRE-CONSTRUCTION MEETING SHALL TAKE PLACE WITH ALL RELEVANT PARTIES IN ATTENDANCE.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL SILT FENCES, SEEDING, EROSION MATTING, AND OTHER EROSION CONTROL MEASURES. GENERAL CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING, OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF ½ INCH OR GREATER. IN ADDITION, THE ACTIVE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE, ALONG WITH DATE, TIME OF INSPECTION, AND WEATHER CONDITIONS IN A DAILY LOG BOOK.

ALL REGULATORY PERMITS, PROJECT PLANS, AND INSPECTION LOGS SHALL BE KEPT ON SITE IN AN ACCESSIBLE LOCATION, SUCH AS A MAILBOX, AVAILABLE TO REGULATORY AGENCIES UPON REQUEST.

CONTRACTORS ARE TO MAINTAIN THE CONSTRUCTION SITE IN A NEAT AND TIDY MANNER FOR THE DURATION OF THE PROJECT.

**THE TIMING AND SEQUENCE OF CONSTRUCTION IS SCHEDULED AS FOLLOWS:**

1. OBTAIN PLAN APPROVAL FROM THE VILLAGE OF MUKWONAGO, AND ALL APPLICABLE PERMITS, INCLUDING EROSION CONTROL PERMIT.
2. CONSTRUCTION IS SCHEDULED TO BEGIN IN SEPTEMBER 2025, DEPENDING ON WEATHER & GROUND CONDITIONS.
3. A GRAVEL TRACKING PAD UNDERLAIN WITH WISDOT TYPE R GEOTEXTILE FABRIC SHALL BE INSTALLED AS SHOWN ON THE PLANS. IF INDICATED ON PLANS, INSTALL CONSTRUCTION FENCE AND ANY TEMPORARY TRAFFIC CONTROLS.
4. SILT FENCE, INLET FILTER PROTECTION, AND TRIANGULAR SILT DIKES SHALL BE INSTALLED AS SHOWN ON THE PLANS, AND INSPECTED PRIOR TO COMMENCING OF ANY LAND DISTURBING ACTIVITIES PER PROJECT PLANS AND DETAILS. SEDIMENT DEPOSITS WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN THEY REACH A DEPTH OF 1/2 FENCE HEIGHT.
5. FOLLOWING INSTALLATION OF THE EROSION CONTROL MEASURES LISTED IT ITEM #4, THE BIO-RETENTION BASINS SHALL BE CONSTRUCTED TO THE BOOM OF BASIN ELEVATIONS TO SERVE AS TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION. THE CONTRACT SHALL IMMEDIATELY INSTALL THE OUTLET STRUCTURES AT THE LOCATIONS SHOWN ON THE PLANS. IN ADDITION, THE CONTRACTOR SHALL INSTALL DIVERSION SWALES AND DIVERSION BERMS TO DIRECT WATER TO THE TEMPORARY SEDIMENT BASINS DURING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY STABILIZE THE BIO-RETENTION BASIN BANKS, INLETS AND OUTLET STRUCTURES.
6. THE BIO-RETENTION BASINS SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24-HOUR PERIOD. SEDIMENT SHALL BE REMOVED TO MAINTAIN THE 3 FOOT DEPTH OF THE TREATMENT SURFACE AREA AS MEASURED FROM THE INVERT OF THE PRINCIPAL OUTLET. IF THE OUTLET BECOMES CLOGGED IT SHALL BE CLEANED TO RESTORE FLOW CAPACITY. SEDIMENT TO BE REMOVED AFTER CONSTRUCTION & SITE STABILIZATION IS COMPLETE.
7. SITE DEMOLITION OF PAVEMENT, ETC. WILL OCCUR AFTER ALL EROSION CONTROL MEASURES ARE IN PLACE.
8. CONSTRUCTION OF THE BUILDING, STARTING WITH THE FOUNDATION, WILL BEGIN IMMEDIATELY AFTER THE SITE DEMOLITION IS COMPLETE IN THE BUILDING PAD AREA.
9. TOPSOIL STRIPPING AND ROUGH GRADING WILL FOLLOW. TOPSOIL STOCKPILES SHALL BE STABILIZED WITHIN 7 DAYS OF LAY UP. STOCKPILES WILL BE USED FOR FINAL LANDSCAPING. REMAINING STOCKPILES WILL BE REMOVED FROM THE SITE.
10. UTILITY INSTALLATION WILL OCCUR NEXT AND CONTINUE UNTIL ALL THE UTILITIES ARE INSTALLED.
11. AFTER ROUGH GRADING IS COMPLETE IN HARD SURFACE AREAS SUCH AS ROADWAYS, PARKING LOTS, AND BUILDINGS, THE REQUIRED THICKNESS OF DENSE GRADED BASE COURSE, PER THE PROJECT PLANS AND DETAILS WILL BE APPLIED FOR STABILIZATION. AFTER ROUGH GRADING IS COMPLETE OUTSIDE OF HARD SURFACE AREAS, THE TOPSOIL WILL BE REAPPLIED AND THE LANDSCAPE CONTRACTOR WILL COMPLETE SEEDING/SODDING/FERTILIZING/MULCHING AND INSTALL EROSION MATTING AS PER APPROVED PLANS AND SPECIFICATIONS.
12. FINAL SITE STABILIZATION IS ANTICIPATED FOLLOWING THE COMPLETION OF GRADING ACTIVITIES PER WDNR TECHNICAL STANDARD 1059. IF SITE STABILIZATION CANNOT BE COMPLETED BY OCTOBER 15, THEN THE USE OF ANIONIC POLYACRYLAMIDE CONFORMING TO WDNR TECHNICAL STANDARD 1050 SHALL BE USED. IN ADDITION, ALL SLOPES OF GREATER THAN 20% MUST ADHERE TO THE SCHEDULE IN TABLE 1 BELOW.
13. AFTER ALL TOPSOIL HAS BEEN REAPPLIED AND STABILIZATION IS UNDERWAY, ROADWAY, PARKING LOT, AND SIDEWALK SURFACE MATERIAL (I.E. ASPHALT & CONCRETE) WILL BE INSTALLED PER THE PROJECT PLANS AND SPECIFICATIONS.
14. THE GENERAL CONTRACTOR WILL REQUEST A FINAL INSPECTION BY THE CITY. UPON APPROVAL, ALL SILT FENCES, INLET FILTER PROTECTION, AND TRIANGULAR SILT DIKES SHALL BE REMOVED, AND ACCUMULATED SEDIMENT IN THE SEDIMENT BASIN/STORM WATER POND SHALL BE DREDGED AND PROPERLY DISPOSED OF. IN ADDITION, THE CONTRACTOR MUST ENSURE THAT THE STORM WATER POND IS RETURNED TO THE SLOPES AND GRADES SHOWN ON THE PROJECT PLANS AND DETAILS.
15. IF REQUIRED, FINAL "AS-BUILT" SURVEYS ARE TO BE CONDUCTED BY THE OWNER AND FINAL DOCUMENTS FORWARDED TO THE CITY.
16. BARE SOIL LEFT UNDISTURBED FOR 14 CALENDAR DAYS MUST BE TEMPORARILY STABILIZED PER WDNR TECHNICAL STANDARD 1059. BY OCTOBER 15, THE SITE SHALL BE STABILIZED PER NOTE 12 ABOVE.
17. WE DO NOT ANTICIPATE THE NEED FOR WATERING WITH THIS CONSTRUCTION SCHEDULE, HOWEVER, IF ADEQUATE RAIN IS NOT EXPERIENCED WITHIN ONE WEEK AFTER INITIAL SEED GERMINATION AT ANY POINT DURING THE CONSTRUCTION PROCESS, WATER SHALL BE TRUCKED IN AND APPLIED ONCE PER WEEK.

**IF CONSTRUCTION SCHEDULES SHOULD CHANGE SIGNIFICANTLY, THIS PLAN NARRATIVE WILL BE UPDATED AND RESUBMITTED BY THE GENERAL CONTRACTOR TO THE CITY AND WDNR.**

| TABLE 1 – MAXIMUM PERIOD OF BARE SOIL FOR SLOPES GREATER THAN 20% | | |
|---|---|---|
| SLOPE AREA DRAINS TO SEDIMENT BASIN? | LAND DISTURBANCE BETWEEN SEPT. 16 AND MAY 1 | LAND DISTURBANCE BETWEEN MAY 2 AND SEPT. 15 |
| YES | 90 DAYS | 90 DAYS |
| NO | 60 DAYS | 30 DAYS |
| TABLE FROM WI DNR GUIDANCE DOC # 3800-2015-06 | | |

# DEWATERING PLAN

TO FACILITATE CONSTRUCTION AT THE PROJECT SITE, DEWATERING MAY TAKE PLACE BY THE SELECTED CONTRACTOR. CONTRACTOR TO FOLLOW THESE INSTRUCTIONS WHILE PERFORMING DEWATERING ACTIVITIES ON-SITE. IF DEWATERING IS TO TAKE PLACE AT THE SITE, IT WILL OCCUR BETWEEN STEPS 3 AND 14 OF THE EROSION CONTROL OPERATION SEQUENCE.

NOTE: THESE INSTRUCTIONS DO NOT APPLY TO WATER BEING DISCHARGED DIRECTLY TO GROUNDWATER OR KARST FEATURES OR WELL DEWATERING SYSTEMS. CONTRACTOR SHALL COORDINATE ACCORDINGLY FOR OTHER DEWATERING ACTIVITIES AS DEEMED NECESSARY WITH THE WDNR.

1. THE CONTRACTOR SHALL ENSURE THAT THE DEWATERING PRACTICES CARRIED OUT MEET OR EXCEED WNDR TECHNICAL STANDARD NUMBER 1061.
2. A PAN OR OTHER CONTAINMENT DEVICE SHALL BE PLACED UNDERNEATH THE PUMP TO CAPTURE ANY SPILLS. OILS, GASOLINE, ETC. SHALL NOT BE STORED WITHIN WETLANDS, NEAR THE STORMWATER POND, OR OTHER ON-SITE WATER AREAS.
3. A TYPE 2 GEOTEXTILE BAG THAT IS NO SMALLER THAN 100 SQUARE FEET; HAS A MAXIMUM APPARENT OPENING SIZE OF 0.212 mm; HAS A GRAB TENSILE STRENGTH OF 300 LBS; MULLEN BURST OF 580 PSI; PERMEABILITY OF 0.2 CM/SEC; FABRIC WEIGHT OF 12 OZ SHALL BE USED. THE GEOTEXTILE BAG AREA AND DOWNGRADE FLOW AREA SHALL CONSIST OF VEGETATED AND UNDISTURBED SOILS.
4. POLYMER APPROVED BY THE WDNR MEETING WDNR TECHNICAL STANDARD 1051 MAY BE USED IN COMBINATION WITH THE DEWATERING BAG IF THE DEWATERING BAG IS NOT DOING AN ADEQUATE JOB ALONE OF FILTERING SEDIMENTS. THE CONTRACTOR SHALL SUPPLY TOXICITY TESTING DATA TO THE WDNR BEFORE USE ON-SITE FOR WDNR APPROVAL. POLYMER SHALL NOT BE DIRECTLY APPLIED TO SURFACE WATER. CONTRACTOR SHALL OBTAIN THE MATERIAL SAFETY DATA SHEETS (MSDS) FOR THE SELECTED POLYMER, MANUFACTURER'S INFORMATION AND WDNR USE RESTRICTIONS (SEE TECHNICAL STANDARD 1051) AND KEEP ALL THIS INFORMATION ON-SITE. CONTRACTOR SHALL ADHERE TO MANUFACTURER AND WDNR'S APPLICATION RATES FOR THE POLYMER, WITH THE WDNR'S RATE TAKING PRECEDENCE. THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT THE POLYMER IS NOT SPILLED. SPILL KITS SHALL BE KEPT ON SITE; THE MANUFACTURER'S RECOMMENDED CLEANUP PROCEDURES SHALL BE FOLLOWED IN THE EVENT OF A SPILL.
5. A TARP MAY BE UTILIZED UNDERNEATH THE TYPE 2 GEOTEXTILE BAG AND JUST DOWN SLOPE OF THE BAG TO DISCOURAGE EROSION AND SCOUR.
6. A FLOATING SUCTION HOSE OR OTHER FLOTATION METHOD SHALL BE UTILIZED WHEN PUMPING FROM AN AREA WITH STANDING WATER TO AVOID SUCKING SEDIMENT FROM GRADE.
7. IF TURBID WATER IS LEAVING THE GEOTEXTILE BAG, THE CONTRACTOR SHALL SHUT OFF THE PUMP TO ALLOW SEDIMENTS TO SETTLE INTO THE BAG. CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S SPECIFICATIONS FOR DETERMINING THE SEDIMENT CAPACITY OF THE GEOTEXTILE BAG USING GOOD COMMON SENSE. SEDIMENT LEVELS CONTAINED IN THE BAG SHALL BE MONITORED TO MEASURE THE LOSS OF STORAGE CAPACITY OVER TIME. THE CONTRACTOR SHALL PROPERLY DISPOSE OF THE GEOTEXTILE BAG IN A WASTE RECEPTACLE ONCE IT IS NO LONGER USED.
8. DURING DEWATERING ACTIVITIES THE CONTRACTOR SHALL MONITOR DEWATERING PRACTICES AND KEEP A LOG OF THE FOLLOWING:
   A. DISCHARGE DURATION AND SPECIFIED PUMPING RATE.
   B. OBSERVED WATER TABLE AT TIME OF DEWATERING.
   C. MAINTENANCE ACTIVITIES
   D. NAME AND QUANTITY OF POLYMER USED. PRODUCT TYPE.
      APPLICATION RATE OF POLYMER IN POUNDS/ACRE FEET OF WATER.
      DATE AND TIME APPLIED.
      WEATHER CONDITIONS DURING APPLICATION.
      METHOD OF APPLICATION.

THIS LOG NEEDS TO BE KEPT ON SITE FOR WDNR REGULATORY REVIEW. COPIES OF THIS DOCUMENTATION SHOULD BE KEPT IN THE CONTRACTOR'S MONITORING LOG AND MADE AVAILABLE UPON REQUEST.

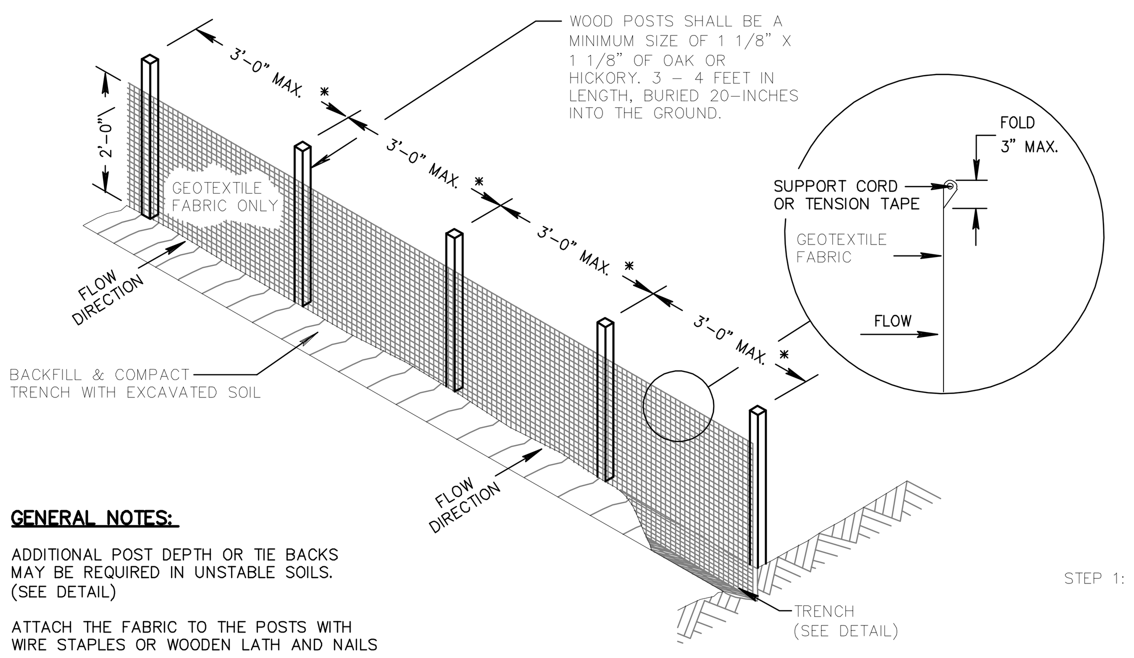
REVIEW THE FOLLOWING FOR MORE INFORMATION:

WDNR TECHNICAL STANDARD 1061 FOR DEWATERING – http://dnr.wi.gov/topic/stormWater/documents/Dewatering_1061.pdf

WDNR TECHNICAL STANDARD 1051 FOR POLYMER – http://dnr.wi.gov/topic/stormWater/documents/dnr1051.pdf

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE, ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS WPDES PERMIT & CHAPTER 30 PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.

AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN WETLANDS, WATERWAYS OR FLOODPLAINS UNLESS IDENTIFIED IN THE PLANS & APPROVED BY DNR/ USACOE.




**GENERAL NOTES:**

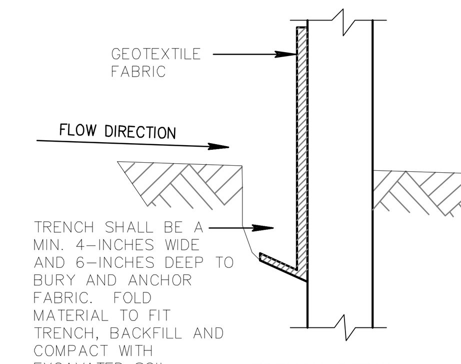
ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS. (SEE DETAIL)

ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND NAILS

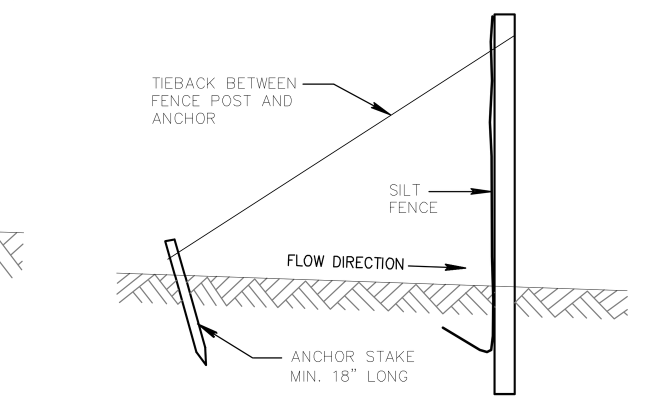
*8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

IF POSSIBLE, CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL TO AVOID JOINTS. IF A JOINT IS NECESSARY, USE ONE OF THE FOLLOWING METHODS:
(1)TWIST METHOD: OVERLAP END POSTS & TWIST AT LEAST 180 DEGREES.
(2)HOOK METHOD: HOOK THE END OF EACH SILT FENCE LENGTH.

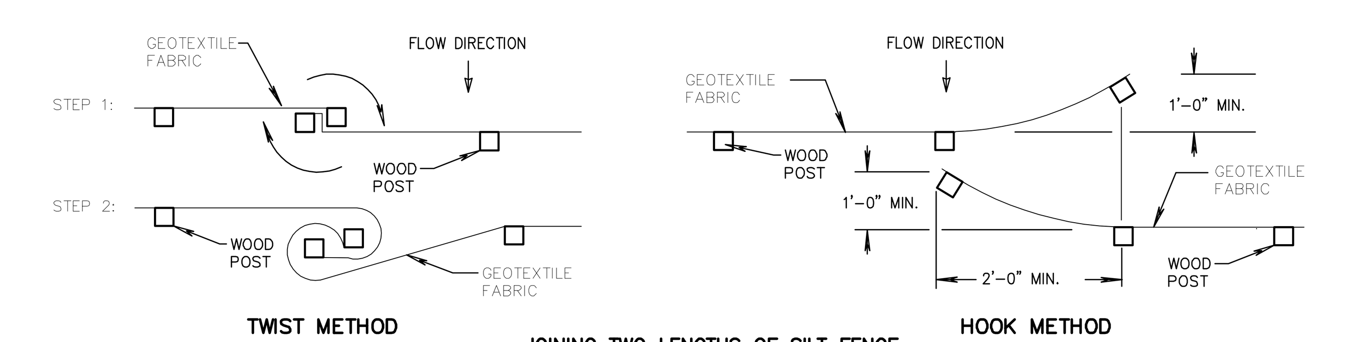
**AXONOMETRIC VIEW**




**TRENCH DETAIL**

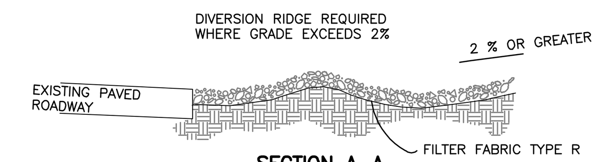



**SILT FENCE TIE BACK (WHEN ADDITIONAL SUPPORT REQUIRED)**

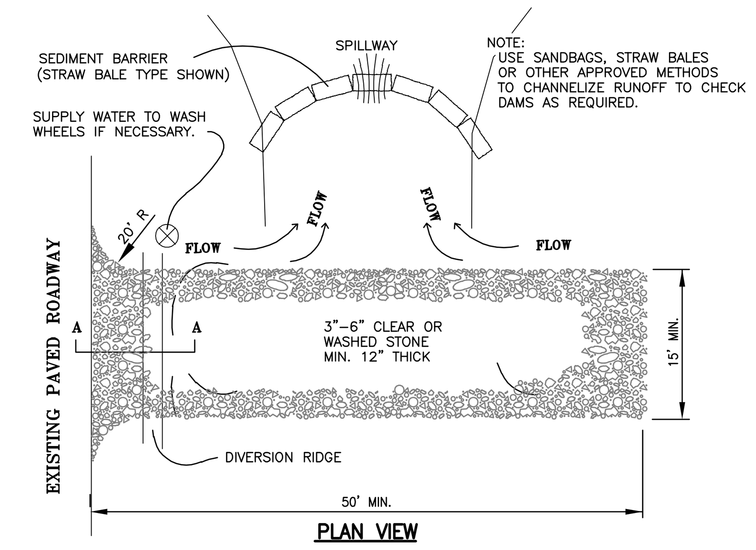



**JOINING TWO LENGTHS OF SILT FENCE**

1 / C2.10 FILTER FABRIC SILT FENCE DETAIL
N.T.S.




**SECTION A–A**




**PLAN VIEW**

**GENERAL NOTES:**

THE AGGREGATE SIZE FOR CONSTRUCTION OF THE PAD SHALL BE 3- TO 6-INCH STONE. PLACE THE GRAVEL TO THE SPECIFIC GRADE & DIMENSIONS SHOWN ON THE PLANS & GRADE TO CREATE A SMOOTH SURFACE.

THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12 INCHES. USE GEOTEXTILE FABRICS, IF NECESSARY, TO IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.

THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS & IN ANY CASE SHALL NOT BE LESS THAN 15 FEET WIDE.

THE LENGTH OF THE PAD SHALL BE AS REQUIRED, BUT NOT LESS THAN 50 FEET.

LOCATE CONSTRUCTION ENTRANCES & EXITS TO LIMIT SEDIMENT LEAVING THE SITE & TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES. AVOID ENTRANCES WHICH HAVE STEEP GRADES & ENTRANCES AT CURVES IN PUBLIC ROADS.

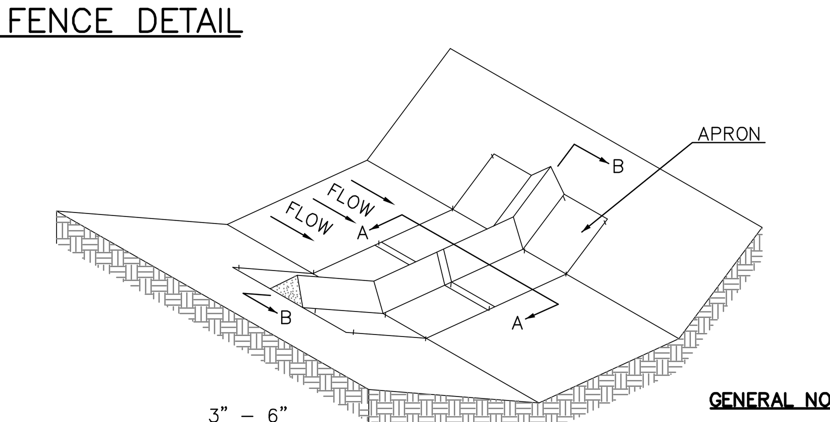
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE & REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED BY THE END OF THE WORK DAY.

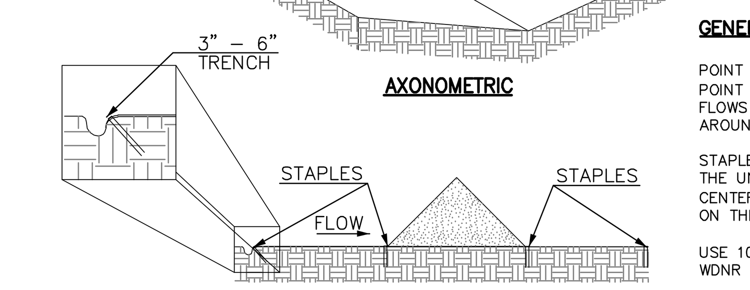
PROVIDE DRAINAGE FOR A 2 YEAR – 24 HOUR EVENT TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.

WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, DESIGNATE AN AREA WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

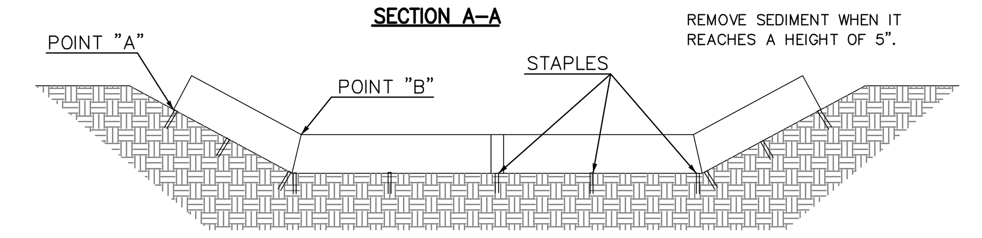
2 / C2.10 STONE TRACKING CONSTRUCTION ENTRANCE
N.T.S.




**AXONOMETRIC**




**SECTION A–A**




**SECTION B–B**

**GENERAL NOTES:**

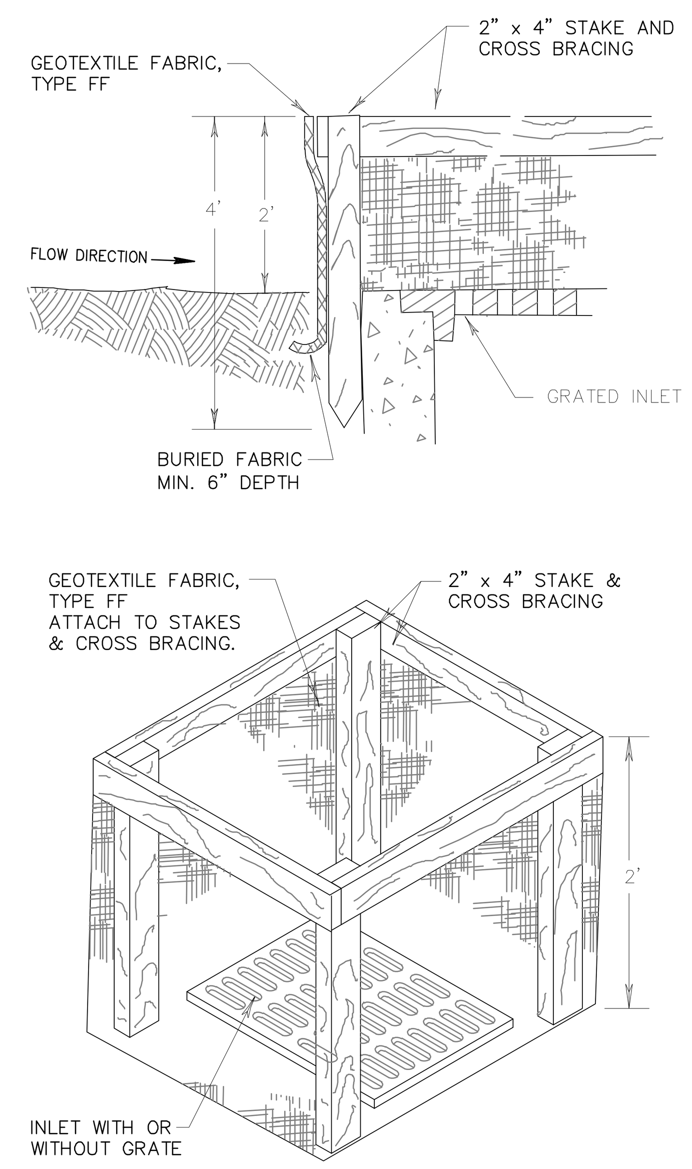
POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE & NOT AROUND THE ENDS.

STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP & IN THE CENTER OF THE 7' UNIT AS SHOWN ON THE DIAGRAMS.

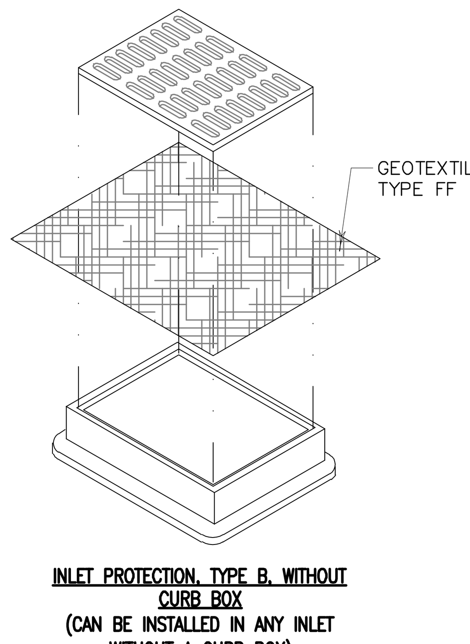
USE 10" HIGH SILT DIKE AS PER WDNR TECHNICAL STANDARD 1062.

REMOVE SEDIMENT WHEN IT REACHES A HEIGHT OF 5".

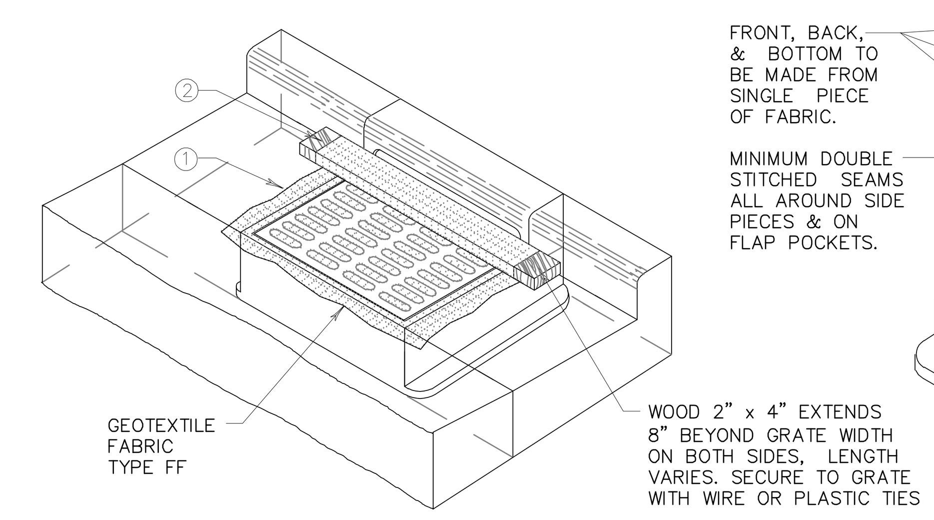
3 / C2.10 TRIANGULAR SILT DIKE
N.T.S.



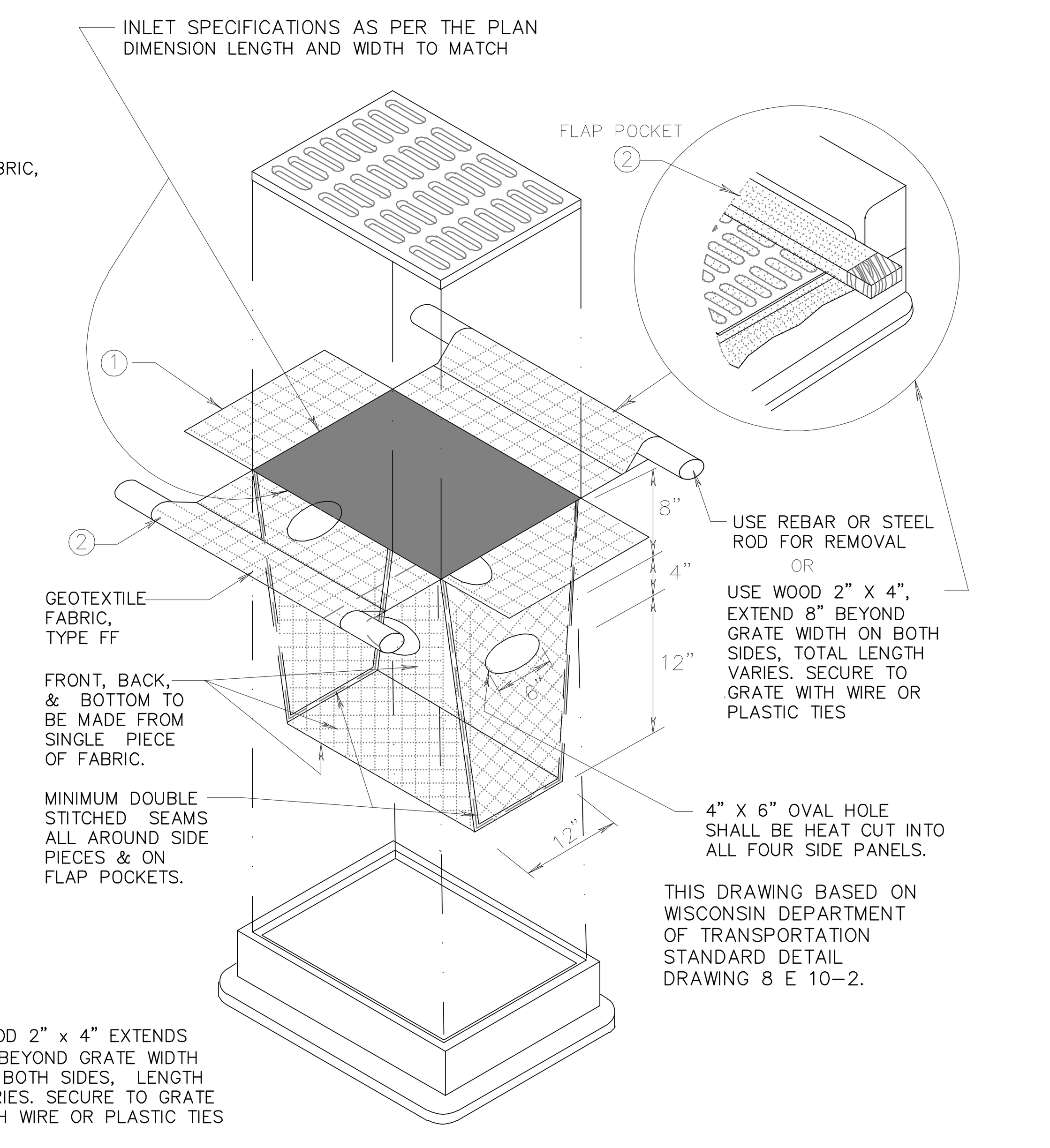

**INLET PROTECTION, TYPE A**




**INLET PROTECTION, TYPE B, WITHOUT CURB BOX (CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)**




**INLET PROTECTION, TYPE C, WITH CURB BOX**




**INLET PROTECTION, TYPE D, (CAN BE INSTALLED IN ANY INLET TYPE, WITH OR WITHOUT A CURB BOX)**

**GENERAL NOTES**

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

(1) FINISHED SIZE SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL. SIDE FLAPS, WHERE REQUIRED SHALL BE A MIN. OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.

(2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2"X4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE FLAP AND NOT BLOCK THE TOP HALF OF THE CURB BOX OPENING.

**INSTALLATION NOTES**

**TYPE B & C**
TRIM EXCESS FABRIC A MINIMUM OF 10" AROUND GRATE FOR MAINTENANCE OR REMOVAL. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

**TYPE D**
UTILIZE INLET PROTECTION TYPE D IN INLETS DEEPER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3".
WHERE NECESSARY THE CONTRACTOR MAY CINCH THE BAG, USING PLASTIC ZIP TIES, TO FIT INLETS LESS THAN 30" DEPTH. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

4 / C2.10 INLET PROTECTION DETAIL
N.T.S.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Mukwonago Area School District
930 N Rochester St,
Mukwonago, WI 53149

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| # | DATE | DESCRIPTION |
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NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title: SITE EROSION CONTROL DETAILS

Sheet Number: C2.10

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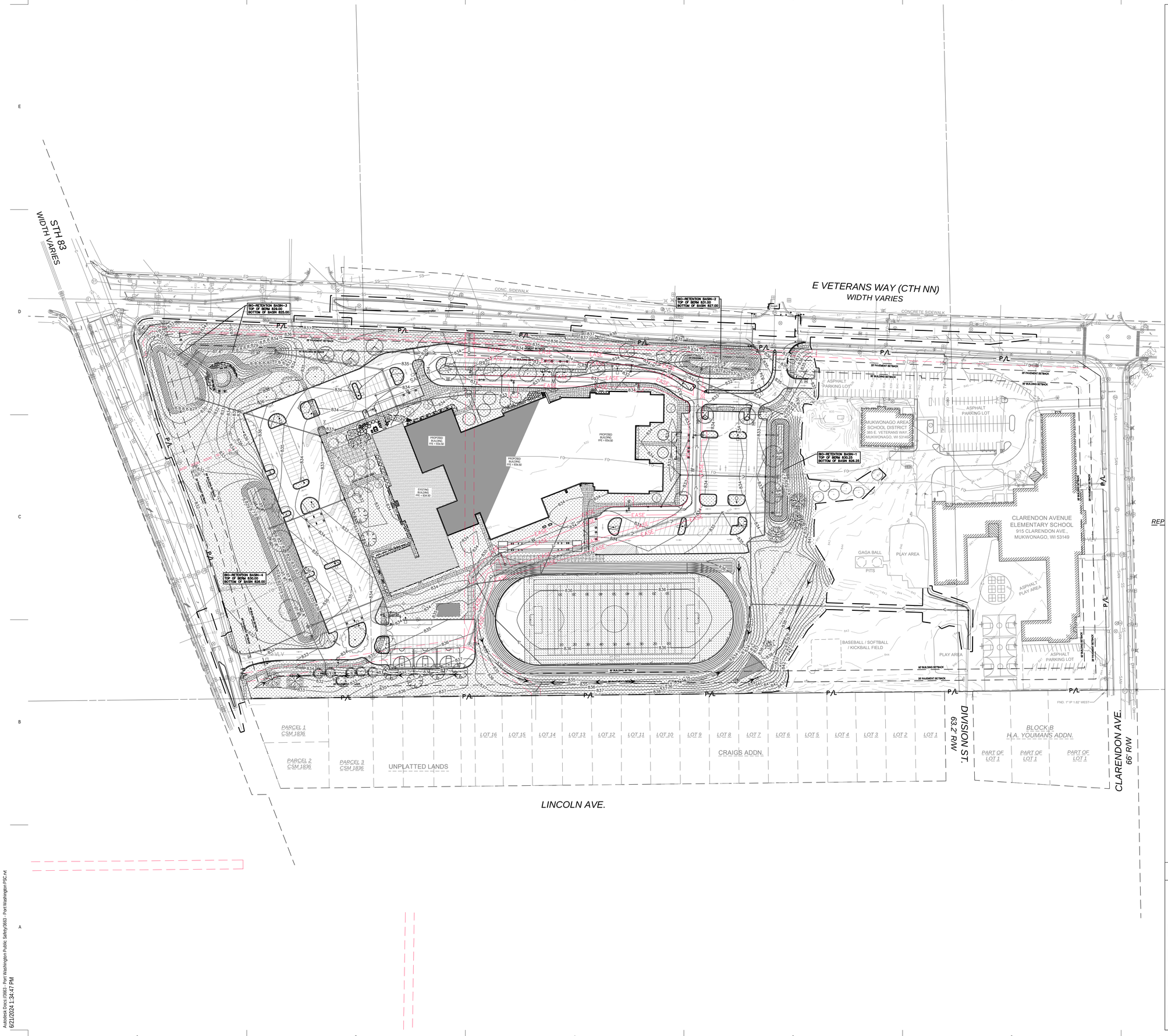


Scale: 0 40 80 160

Scale: 1" = 80'

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## HATCH LEGEND

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- TEMPORARY TREE PROTECTION FENCE
- AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED WITH MINIMUM 4" TOPSOIL, KENTUCKY BLUE GRASS SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.
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Project Number:
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PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
OVERALL SITE LANDSCAPE PLAN

Sheet Number:
L1.10

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STH 83
WIDTH VARIES

BIO-RETENTION BASIN-3
TOP OF BERM 829.00
BOTTOM OF BASIN 825.00

BIORETENTION BASIN #2
(3,056 SF) (SEE DETAIL 2/L2.10)

BIORETENTION BASIN #1
(7,095 SF) (SEE DETAIL 2/L2.10)

BIORETENTION BASIN #3
(8894 SF) (SEE DETAIL 2/L2.10)

BIO-RETENTION BASIN-4
TOP OF BERM 830.00
BOTTOM OF BASIN 826.00

25' PAVEMENT SETBACK
50' BUILDING SETBACK

PROPOSED BUILDING
FFE = 834.50

EXISTING BUILDING
FFE = 834.50

MATCHLINE

Scale: 0 15 30 60
Scale: 1" = 30'

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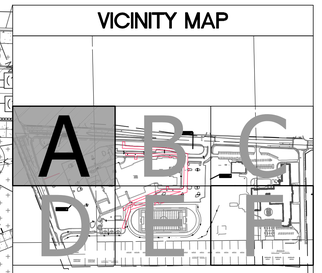


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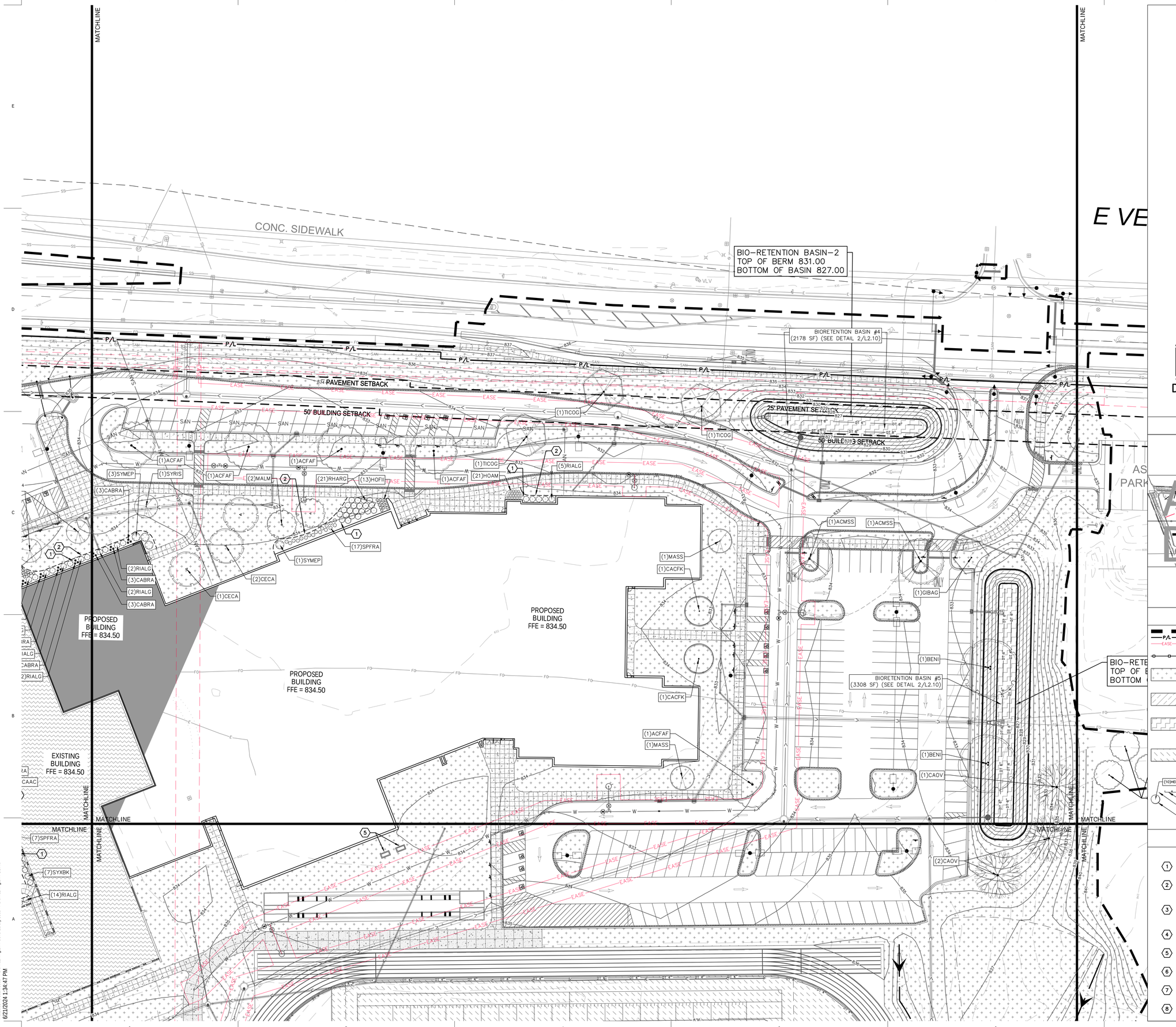


Scale:
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Scale: 1" = 30'

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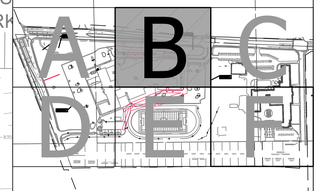


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Sheet Title: SITE LANDSCAPE PLAN - AREA B

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MATCHLINE

# E VETERANS WAY (CTH NN)
## WIDTH VARIES

CONCRETE SIDEWALK

P/L

25' PAVEMENT SETBACK

50' BUILDING SETBACK

ASPHALT PARKING LOT

MUKWONAGO AREA SCHOOL DISTRICT
385 E. VETERANS WAY,
MUKWONAGO, WI 53149

BIO–RETENTION BASIN–1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

CLARENDON AVENUE ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL

PLAY AREA

PITS

ASPHALT AREA

SCHOOL

REPLAT OF WILSO
SUBDIVISI

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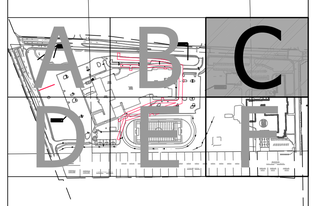


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Sheet Title: SITE LANDSCAPE PLAN - AREA C

Sheet Number: L1.13C

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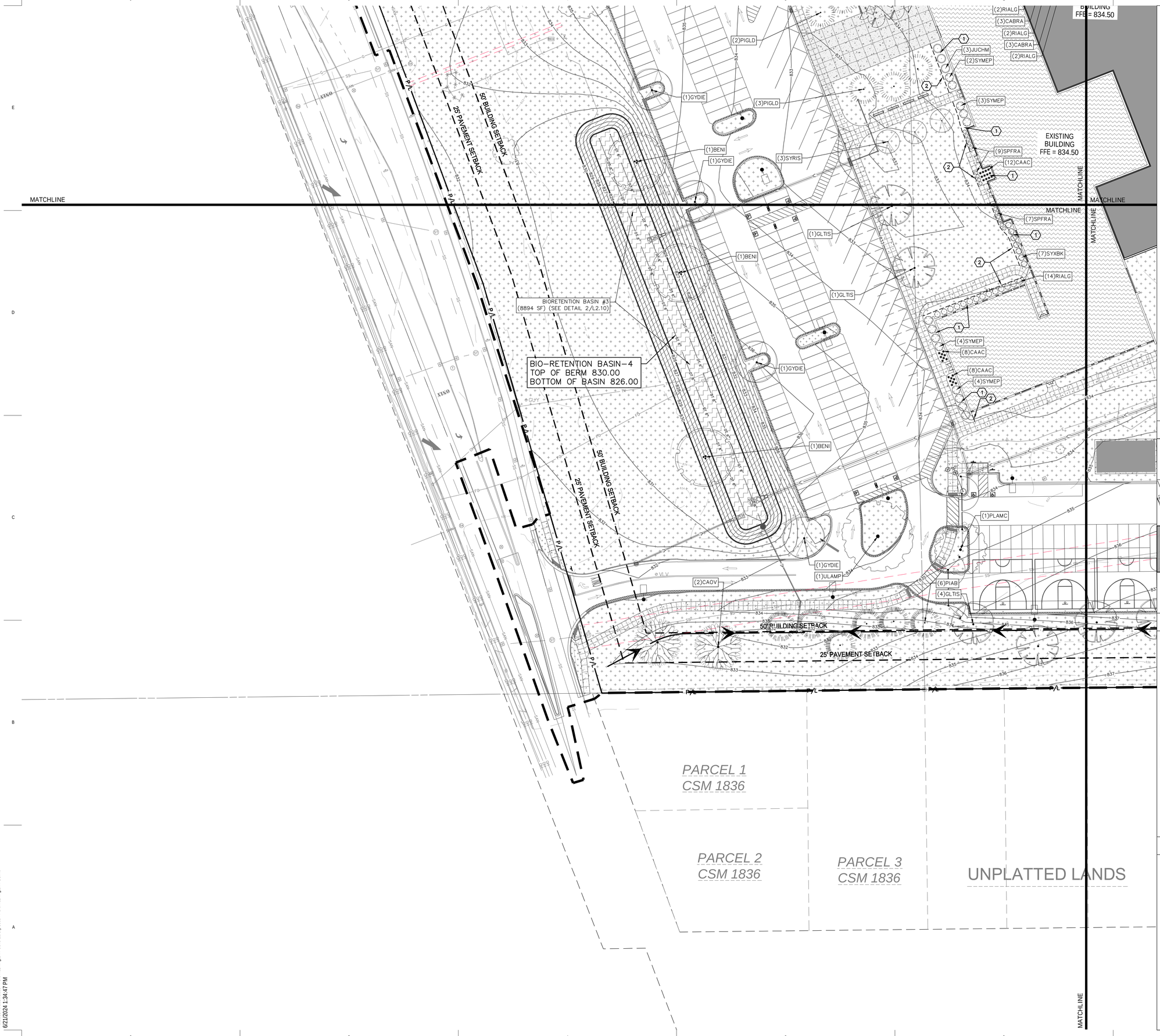





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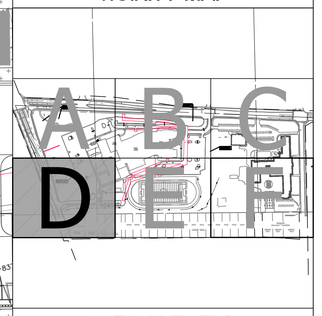
## VICINITY MAP




## HATCH LEGEND

- PROJECT LIMITS
- P/L — PROPERTY LINE
- EASE — EASEMENT LINE
- TEMPORARY TREE PROTECTION FENCE
- AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED WITH MINIMUM 4" TOPSOIL, KENTUCKY BLUE GRASS SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.
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- (10)HEPM — PLANT "CODE" REFERENCES TO THE PLANT SCHEDULE; QUANTITY OF PLANTS IN THE PLANT GROUPING; LEADER LINE; PLANT SYMBOL (SYMBOL VARIES)

## KEY INDEX

1. SHREDDED HARDWOOD MULCH (7 / L2.10)
2. ALUMINUM EDGING AT PLANTING BED (8 / L2.10)
3. NEW TRANSPLANTED LOCATION FOR EXISTING TREES THAT WERE PLANTED BY THE GRL SCOUTS. (CURRENTLY LOCATED BETWEEN THE EXISTING BASEBALL FIELD AND THE MUKWONAGO SCHOOL DISTRICT ADMINISTRATIVE OFFICE BUILDING.)
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7. PAD MOUNTED CT CABINET WITH METER (SEE CIVIL PLANS – PROTECT FROM DAMAGE DURING CONSTRUCTION)
8. FLAGPOLES (SEE CIVIL PLANS – PROTECT FROM DAMAGE DURING CONSTRUCTION)

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Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE LANDSCAPE PLAN - AREA D

Sheet Number: L1.14D

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BUILDING
FFE = 834.50

PROPOSED
BUILDING
FFE = 834.50

EXISTING
BUILDING
FFE = 834.50

MATCHLINE

(7)SPFRA
(7)SYXBK
(14)RIALG
(1)CACFK
(1)ACFAF
(1)MASS
(1)BENI
(1)CAOV
(2)CAOV

BIORETENTION BASIN #5
(3308 SF) (SEE DETAIL 2/L2.10)

BIO–RETE
TOP OF E
BOTTOM

50' BUILDING SETBACK

25' PAVEMENT SETBACK

LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5

CRAIGS ADDN.

ATTED LANDS

LINCOLN AVE.

Scale: 0 15 30 60
Scale: 1" = 30'

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## VICINITY MAP

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Sheet Title: SITE LANDSCAPE PLAN - AREA E

Sheet Number: L1.15E

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BIO-RETENTION BASIN-1
TOP OF BERM 830.25
BOTTOM OF BASIN 826.25

MATCHLINE

CLARENDON AVENUE
ELEMENTARY SCHOOL
915 CLARENDON AVE.,
MUKWONAGO, WI 53149

GAGA BALL PIT

PLAY AREA

ASPHALT PLAY AREA

BASEBALL / SOFTBALL / KICKBALL FIELD

PLAY AREA

ASPHALT PARKING LOT

50' BUILDING SETBACK

25' PAVEMENT SETBACK

P/L

FND. 1" IP 1.82' WEST

LOT 6 | LOT 5 | LOT 4 | LOT 3 | LOT 2 | LOT 1

DIVISION ST.
63.2' R/W

BLOCK B
H.A. YOUMANS ADDN.

PART OF LOT 1 | PART OF LOT 1 | PART OF LOT 1

CLARENDON AVE.
66' R/W

REPLAT OF WILSO
SUBDIVISI

Scale: 0 15 30 60
Scale: 1" = 30'

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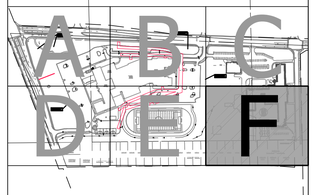
## VICINITY MAP

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Sheet Title: SITE LANDSCAPE PLAN - AREA F

Sheet Number: L1.16F

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## Plant Schedule

| Code | Scientific Name | Common Name | Quantity | Spacing | Install Size | Mature Size (Height/Spread) |
|---|---|---|---|---|---|---|
| **Canopy Trees: (Install in accordance with detail 3/L2.10)** | | | | | | |
| ACFAF | Acer x freemanii 'Autumn Fantasy' | Autumn Fantasy Maple | 5 | Per Plan | 2.5" caliper B&B | 50'/40' |
| ACMSS | Acer miyabei 'Morton' | State Street Miyabei Maple | 5 | Per Plan | 2.5" caliper B&B | 50'/40' |
| BENI | Betula nigra | River Birch | 5 | Per Plan | 8' multi-stem B&B | 40'-70'/35'-50' |
| CAOV | Carya ovata | Shagbark Hickory | 5 | Per Plan | 2.5" caliper B&B | 80'/40' |
| GIBAG | Ginko biloba 'Autumn Gold' | Autumn Gold Ginko (male) | 4 | Per Plan | 2.5" caliper B&B | 50'/30' |
| GLTIS | Gleditsia tricanthos 'Shademaster' PP1,515 | Shademaster Honeylocust | 6 | Per Plan | 2.5" caliper B&B | 60'/35' |
| GYDIE | Gymnocladus dioicus 'Espresso' | Espresso Kentucky Coffee Tree | 4 | Per Plan | 2.5" caliper B&B | 50'/35' |
| PLAMC | Platanus x acerfolia 'Morton Circle' | Exclamation London Planetree | 4 | Per Plan | 2.5" caliper B&B | 60'/45' |
| TICOG | Tilia cordata 'Greenspire' PP2,086 | Greenspire Linden | 3 | Per Plan | 2.5" caliper B&B | 40'-50'/30'-35' |
| ULAMP | Ulmus americana 'Princeton' | Princeton Elm | 2 | Per Plan | 2.5" caliper B&B | 60'-80'/40'-60' |
| **Ornamental Trees: (Install in accordance with detail 3/L2.10)** | | | | | | |
| CACFK | Carpinus caroliniana 'JN Select A' PPAF | Fire King Musclewood | 2 | Per Plan | 2" caliper B&B | 20'-25'/20'-25' |
| CECA | Cercis canadensis | Eastern Redbud | 3 | Per Plan | 8' multi-stem B&B | 20'-30'/25'-35' |
| MALM | Magnolia x loebneri 'Leonard Messel' | Leonard Messel Magnolia | 2 | Per Plan | 2" caliper B&B | 15'-20'/20'-25' |
| MASS | Malus x 'Spring Snow' | Spring Snow Crabapple | 2 | Per Plan | 2" caliper B&B | 20-25'/15-20' |
| SYRIS | Syringa reticulata 'Ivory Silk' | Ivory Silk Japanese Tree Lilac | 6 | Per Plan | 2" caliper B&B | 25'/15' |
| **Evergreen Trees: (Install in accordance with detail 4/L2.10)** | | | | | | |
| PIAB | Picea aibes | Norway Spruce | 6 | Per Plan | 6' tall B&B | 50'-70'/25'-30' |
| PIGLD | Picea glauca var. densata | Black Hills Spruce | 5 | Per Plan | 6' tall B&B | 25'-45'/15'-25' |
| **Deciduous Shrubs: (Install in accordance with detail 5/L2.10)** | | | | | | |
| HAVE | Hamamelis vernalis | Vernal Witchhazel | 3 | Per Plan | 30" tall pot | 6'-10'/10'-15' |
| PHOCG | Physocarpus opulifolius 'Center Glow' | Center Glow Ninebark | 6 | Per Plan | 36" tall pot | 8'-10'/8'-10' |
| RHARG | Rhus aromatica 'Gro-Low' | Gro-Low Sumac | 21 | Per Plan | 18" spread pot | 2'-3'/6'-8' |
| RIALG | Ribes alpinum 'Green Mound' | Green Mound Alpine Currant | 38 | Per Plan | 18" tall pot | 3'-5'/3'-5' |
| SPFRA | Spiraea x fritschiana 'JN Select A' | Pink-a-licious Fritsch Spirea | 59 | Per Plan | 18" tall pot | 2'-3'/2'-3' |
| SYMEP | Syringa meyeri 'Palibin' | Meyer Lilac (Dwarf Korean Lilac) | 23 | Per Plan | 24" tall pot | 4'-5'/5'-7' |
| SYXBK | Syringa x 'SMNSDTP' | Baby Kim Lilac | 7 | Per Plan | 15" tall pot | 2'-3'/2.5'-3' |
| **Evergreen Shrubs: (Install in accordance with detail 5/L2.10)** | | | | | | |
| JUCHM | Juniperus chinensis 'Mountbatten' | Mountbatten Chinese Juniper | 12 | Per Plan | 4' tall B&B | 15'/6'-8' |
| **Perennials: (Install in accordance with detail 6/L2.10)** | | | | | | |
| CAAC | Calamagrostis x acutiflora Karl Foerster | Karl Foerster Reed Grass | 44 | Per Plan | #1 cont. | 4'-5'/18"-24" |
| CABRA | Calamagrostis brachytricha | Fall Blooming Feather Reed Grass | 21 | Per Plan | #1 cont. | 36"-60"/24" |
| HOAM | Hosta 'August Moon' | August Moon Hosta | 21 | Per Plan | #1 cont. | 20"/24"-30" |
| HOFII | Hosta x 'Fire and Ice' | Fire and Ice Hosta | 24 | Per Plan | #1 cont. | 12"-18"/24" |
| PANO | Panicum virgatum 'Northwinds' | Northwinds Switch Grass | 28 | Per Plan | #1 cont. | 4'-5'/24"-30" |

NOTE: Plant quantities indicated in the plant schedule are for convenience only. Installation contractor is responsible for verifying plant count on the landscape plan. When discrepancies between the plant schedule, labels and the landscape plan occur, the quantity drawn on the landscape plan shall be the official quantity.

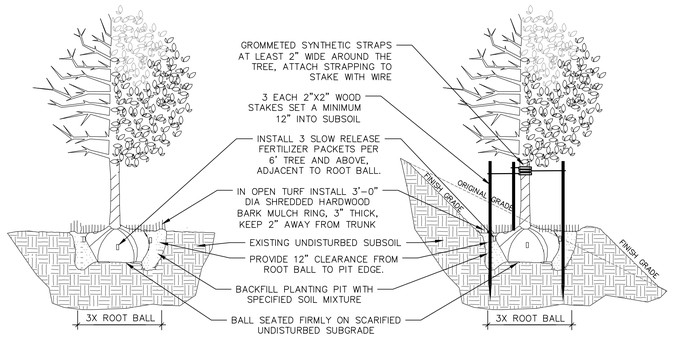
1 / L2.10 PLANT SCHEDULE
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

## Bio-Retention Basin Plant Plug Schedule

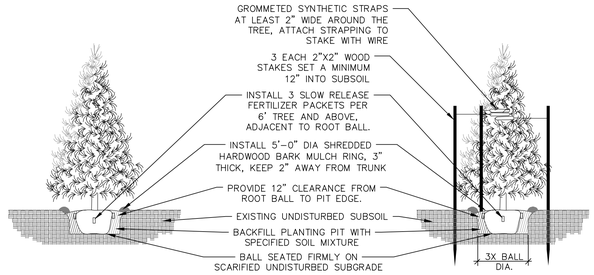
| Code | Scientific Name | Common Name | Bio #1 Quantity | Bio #2 Quantity | Bio #3 Quantity | Bio #4 Quantity | Bio #5 Quantity | Soldier Spacing | Install Size | Mature Size (Height/Spread) |
|---|---|---|---|---|---|---|---|---|---|---|
| **Bio-mix: (Space according to detail 9/L2.10)** | | | | | | | | | | |
| BIOMIX 1 | Aster ericoides | Heath Aster | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 18"-24"/12"-18" |
| BIOMIX 1 | Aster novae-angliae | New England Aster | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 48"-60"/18"-24" |
| BIOMIX 1 | Physostegia virginiana | Obedient Plant | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 24"-48"/18"-24" |
| BIOMIX 1 | Verbena hastata | Blue Vervain | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/18"-24" |
| BIOMIX 1 | Liatris spicata | Marsh Blazing Star | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/12"-24" |
| BIOMIX 1 | Monarda fistulosa | Wild Bergamot | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/24"-36" |
| BIOMIX 1 | Rudbeckia hirta | Black-eyed Susan | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/12"-18" |
| BIOMIX 1 | Solidago rugosa 'Fireworks' | Fireworks Goldenrod | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 42"-48"/18"-24" |
| BIOMIX 1 | Tradescanta ohiensis | Spiderwort | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 24"-36"/12"-18" |
| BIOMIX 1 | Ratibida pinnata | Yellow Coneflower | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 36"-48"/12"-18" |
| BIOMIX 1 | Carex bebbi | Bebb's Sedge | 468 | 268 | 597 | 179 | 254 | 12" o.c. | 3" plug | 12"-24"/8"-12" |
| BIOMIX 1 | Bromus ciliatus | Fringed Brome Grass | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 20"-40"/12"-18" |
| BIOMIX 1 | Panicum virgatum | Switch Grass | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 60"-108"/24"-36" |
| BIOMIX 1 | Elymus canadensis | Canada Wild Rye | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 24"-48"/10"-12" |
| BIOMIX 1 | Elymus virginius | Virginia Wild Rye | 440 | 180 | 550 | 130 | 200 | 12" o.c. | 3" plug | 24"-48"/18"-24" |
| BIOMIX 1 | Carex vulpinoidea | Fox Sedge | 468 | 268 | 597 | 179 | 254 | 12" o.c. | 3" plug | 12"-36"/24"-36" |

NOTE: Plant quantities indicated in the plant schedule are for convenience only. Installation contractor is responsible for verifying plant count on the landscape plan. When discrepancies between the plant schedule, labels and the landscape plan occur, the quantity drawn on the landscape plan shall be the official quantity. Native plugs of same species shall be planted in groupings of a minimum 40 plugs.

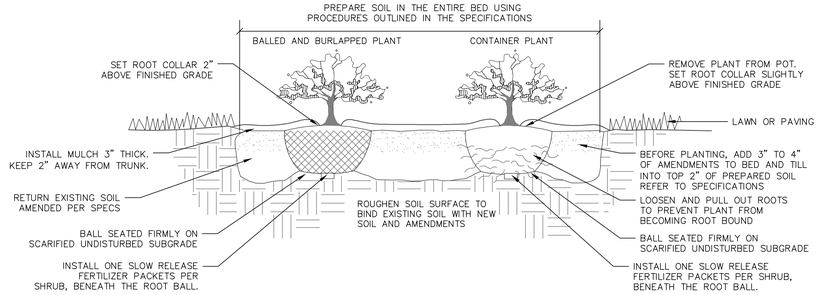
2 / L2.10 BIORETENTION BASIN PLANT SCHEDULE
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION



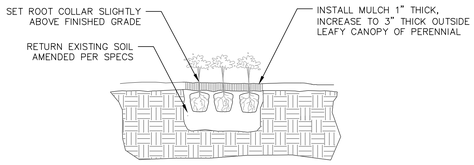

3 / L2.10 DECIDUOUS TREE PLANTING, STAKING, & PLANTING ON A SLOPE
N.T.S.



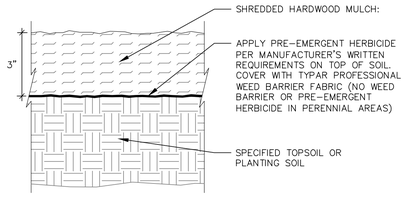

4 / L2.10 EVERGREEN TREE PLANTING & STAKING
N.T.S.



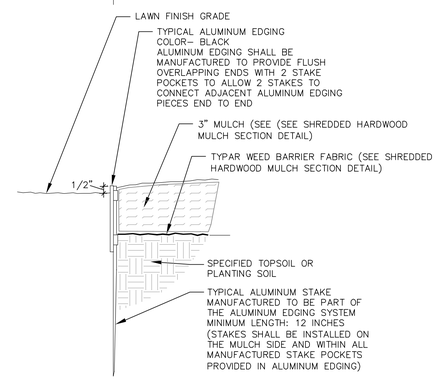

5 / L2.10 DECIDUOUS & EVERGREEN SHRUB PLANTING
N.T.S.



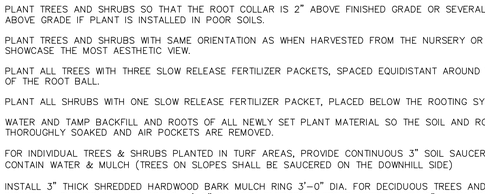

6 / L2.10 PERENNIAL PLANTING
N.T.S.




7 / L2.10 SHREDDED HARDWOOD MULCH SECTION
N.T.S.




8 / L2.10 ALUMINUM EDGING AT PLANTING BED SECTION
N.T.S.




NOTE:
1. X IS EQUAL TO ON CENTER SPACING. SEE LANDSCAPE SCHEDULE FOR SPACING PER PLANT.

9 / L2.10 PERENNIALS AND GROUNDCOVERS SPACING: SOLDIER
N.T.S.

1. ALL PLANT MATERIAL SHALL BE OBTAINED FROM A NURSERY LOCATED IN ZONE 5, CONFORM TO APPLICABLE REQUIREMENTS OF THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AND BOTANICAL NAMES SHALL BE ACCORDING TO THE CURRENT EDITION OF "STANDARDIZED PLANT NAMES" PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURE NOMENCLATURE.
2. CONTRACTOR TO PROVIDE TO THE LANDSCAPE ARCHITECT SAMPLES OF ALL BARK AND MINERAL/STONE MULCHES, DECORATIVE GRAVELS, MAINTENANCE STRIP STONE, OR OTHER GROUND COVER MATERIALS FOR APPROVAL PRIOR TO INSTALLATION.
3. BARK MULCH TO BE FRESHLY ACQUIRED HARDWOOD SHREDDED BARK MULCH WHICH IS DARK BROWN IN COLOR. DOUBLE MILLED, EXCESSIVE DIRT AND DUST LIKE MATERIAL OR OLD MATERIAL IS NOT ACCEPTABLE.
4. LANDSCAPE EDGING TO BE ALUMINUM EDGING. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
5. ALL PLANTING AREAS TO RECEIVE A 3-INCH THICK LAYER OF HARDWOOD SHREDDED BARK MULCH OVER TYPAR PROFESSIONAL WEED FABRIC WITH EDGING. EDGING TO BE INSTALLED BETWEEN DIFFERENT TYPES OF MULCHES, BETWEEN MULCHES AND TURF, AND/OR WHERE SPECIFICALLY NOTED ON THE PLAN. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
6. INSTALL SHOVEL CUT EDGE AROUND ALL INDIVIDUAL TREES AND SHRUBS IN LAWN AREAS AND ALONG PAVEMENT WHERE PLANTING AREAS ABUT TO PREVENT HARDWOOD SHREDDED BARK MULCH FROM SPILLING OUT OF PLANTING AREA.
7. CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF PLANT MATERIAL FOR 90 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SEEDED AREAS FOR 60 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR TO PROVIDE AND REVIEW MAINTENANCE INSTRUCTIONS WITH THE OWNER PRIOR TO THE COMPLETION OF THESE MAINTENANCE PERIODS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
8. CLEANLY PRUNE AND REMOVE DAMAGED BRANCHES, DEAD WOOD, AND ROOTS IMMEDIATELY PRIOR TO PLANTING. DO NOT CUT LEADERS OR LEAVE "V" CROTCHES OR DOUBLE LEADERS UNLESS A MULTI-STEM TREE IS SPECIFIED.
9. REMOVE BURLAP, WIRE BASKET, ROPE, TWINE, AND ALL SYNTHETIC MATERIAL FROM THE ROOTS, TRUNK, OR CROWN OF PLANT.
10. REMOVE EXCESS SOIL ABOVE ROOT COLLAR.
11. PLANT TREES AND SHRUBS SO THAT THE ROOT COLLAR IS 2" ABOVE FINISHED GRADE OR SEVERAL INCHES ABOVE GRADE IF PLANT IS INSTALLED IN POOR SOILS.
12. PLANT TREES AND SHRUBS WITH SAME ORIENTATION AS WHEN HARVESTED FROM THE NURSERY OR TO SHOWCASE THE MOST AESTHETIC VIEW.
13. PLANT ALL TREES WITH THREE SLOW RELEASE FERTILIZER PACKETS, SPACED EQUIDISTANT AROUND THE EDGE OF THE ROOT BALL.
14. PLANT ALL SHRUBS WITH ONE SLOW RELEASE FERTILIZER PACKET, PLACED BELOW THE ROOTING SYSTEM.
15. WATER AND TAMP BACKFILL AND ROOTS OF ALL NEWLY SET PLANT MATERIAL SO THE SOIL AND ROOTS ARE THOROUGHLY SOAKED AND AIR POCKETS ARE REMOVED.
16. FOR INDIVIDUAL TREES & SHRUBS PLANTED IN TURF AREAS, PROVIDE CONTINUOUS 3" SOIL SAUCER TO CONTAIN WATER & MULCH (TREES ON SLOPES SHALL BE SAUCERED ON THE DOWNHILL SIDE)
17. INSTALL 3" THICK SHREDDED HARDWOOD BARK MULCH RING 3'-0" DIA. FOR DECIDUOUS TREES AND ALL INDIVIDUAL SHRUBS IN LAWN AREAS, 5'-0" DIA. FOR EVERGREEN TREES. KEEP MULCH 2" AWAY FROM TRUNKS.
18. STAKING - ONLY STAKE EVERGREEN TREES 5'-0" OR GREATER IN HEIGHT OR TREES THAT ARE UNABLE TO REMAIN UPRIGHT AFTER PLANTING. TREES WILL BECOME STRONGER FASTER WHEN THE TOP 2/3 OF THE TREE IS FREE TO SWAY. DO NOT ATTACH WIRE DIRECTLY TO TREES OR THROUGH HOSES - UTILIZE GROMMETED, SYNTHETIC STRAPS AT LEAST 2" WIDE AROUND THE TREE, ATTACH STRAPPING TO STAKE WITH WIRE. STAKE ONLY WHEN NECESSARY. STAKES SHOULD BE DRIVEN DEEPLY INTO THE GROUND TO PREVENT DISLODGING. CHECK AT LEAST EVERY THREE MONTHS FOR BINDING OR OTHER PROBLEMS. STAKES AND TIES SHOULD BE REMOVED SIX MONTHS TO ONE YEAR AFTER PLANTING.
19. NO MOW TO BE NO MOW FESCUE SEED MIX WITH ANNUAL RYE NURSE CROP FROM PRAIRIE NURSERY, INC. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. PRAIRIE NURSERY ADDRESS: PO BOX 306 WESTFIELD, WI 53964. TELEPHONE: 1-800-476-9453 FAX: 608-296-2741.
20. REFER TO SPECIFICATIONS 32 93 00 PLANTS AND 32 92 00 TURF AND GRASSES FOR ADDITIONAL INFORMATION.

10 / L2.10 LANDSCAPE NOTES
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

BRAY ARCHITECTS
Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200
Sheboygan • Davenport • Moline
www.brayarch.com

kapur

Project Title:
RENOVATION AND ADDITION TO:
Park View Middle School
Mukwonago Area School District
930 N Rochester St.
Mukwonago, WI 53149

REVISIONS:

| ⚠ | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number: 3526

Issued For: PLAN COMMISSION SUBMITTAL 4/2/2025

Sheet Title: SITE LANDSCAPE DETAILS

Sheet Number: L2.10

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# LANDSCAPE CALCULATIONS

## Village of Mukwonago Landscaping Requirements

**Site Zoning = P-1 Zoning (Public and Semipublic District)**
**Total car parking spaces = 453 car parking spaces**
**Total bus parking spaces = 21 bus parking spaces**
**Total parking spaces = 453 car + 21 bus = 474 parking spaces**
**Total parking lot interior landscape island area from landscape islands that are at least 720 sf in size = 14,406 square feet**

### Landscape requirements

| | Required | Provided |
|---|---|---|
| **Off-street Parking Area Landscape Requirements** | | |
| A minimum of 15 square feet of interior landscape islands that are at least 720 square feet in size each shall be provided per parking stall. | 474 parking spaces x 15 sf = 7110 sf of interior landscape space is required | 14,406 sf of parking lot interior landscape that are 720 sf or larger is provided |
| The interior landscaping shall be placed so as to delineate driving lanes, define rows, protect parking lot light poles and generally mitigate the visual impact of the parking lot. | Interior landscaping shall be placed to delineate driving lanes, define rows, protect parking lot light poles and generally mitigate the visual impact of the parking lot. | The interior landscaping is placed so as to delineate driving lanes, define rows, protect parking lot light poles and generally mitigate the visual impact of the parking lot. |
| The interior landscaping shall be composed of a combination of hardy trees, shrubs, perennials, and groundcover that are able to tolerate winter salt and snow, and are underlain by a layer of decorative mulch and weed barrier where applicable. | Interior landscape islands shall be planted with a combination of hardy trees, shrubs, perennials, and groundcover that are able to tolerate salt and snow. | Interior landscape islands are planted with trees in some islands and lawn groundcover in all islands. |
| Interior landscaping shall not exceed 30 inches in height at maturity when located within an identified vision triangle. | Interior landscaping shall not exceed 30 inches in height at maturity when located within vision triangles. | Interior landscaping does not exceed 30 inches in height at maturity when located within vision triangles. |
| Trees shall be planted in such a way that they are protected from vehicle damage. | Trees shall be planted in such a way that they are protected from vehicle damage. | Trees are planted in such a way that they are protected from vehicle damage with curb and gutter. |
| Sufficient diversity of tree species shall be provided so as to help prevent the spread of detrimental insect infestation and disease. | Diversity of tree species is required. | Diversity of tree species is provided. |
| Parking lot screening. Parking lots shall be screeded fram adjacent residential properties by a perimeter landscape screen to be located within 15 feet of the edge of pavement. The plants selected for use in the landscape screen shall be suited for such palntings and be arranged in such manner as to provide an effectie visual barrier. | Parking lot screening from residential properties required. | Parking lot screening of evergreen and deciduous trees is provided south of the parking lots in the southwest corner of the site. Some plantings are greater than 15 feet from the edge of parking lot pavement since there is ample greenspace between the parking lot and residential lots for the trees. |
| | | |
| **P-1 Public and Semipublic District Landscaping Standards** | | |
| No minimum landscape requirements within P-1 zoning district | N/A | N/A |

1 / L2.11 LANDSCAPE CALCULATIONS
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

BRAY ARCHITECTS
Milwaukee
829 South 1st Street
Milwaukee, Wisconsin 53204
T: 414.226.0200
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kapur

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Park View Middle School
Mukwonago Area School District
930 N Rochester St.
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REVISIONS:

| | DATE | DESCRIPTION |
|---|---|---|

NOT FOR CONSTRUCTION

Project Number:
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PLAN COMMISSION SUBMITTAL
4/2/2025

Sheet Title:
SITE LANDSCAPE DETAILS

Sheet Number:
L2.11

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# Appendix G

## Stormwater Maintenance Agreement

(Park View Middle School)
Storm Water Maintenance Agreement
Village of Mukwonago, County of Waukesha, WI

High School District 3, 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 _____- 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 ____ day of _____, 202____

Owner:

_____
Authorized Representative of

_____

(Printed Name of Authorized Representative)

State of Wisconsin:

County of Waukesha

Personally came before me this ____ day of _____, 202___, the above named _____ _____, as the authorized Representative of _____ _____for the purpose of signing this document, to me known to be the person who executed the foregoing instrument and acknowledged the same.

_____

[Name]

Notary Public, Waukesha County, WI

My commission expires: _____

Accepted by the Village of Mukwonago this ____ day of _____, 202__.

_____
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

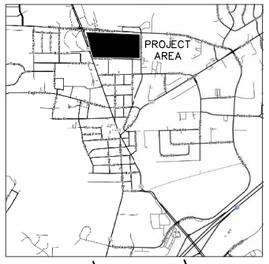
# PLAT OF SURVEY WITH TOPOGRAPHY

PART OF THE SOUTHEAST 1/4 OF SECTION 23, TOWNSHIP 5 NORTH, RANGE 18 EAST, IN THE VILLAGE (FORMERLY IN THE TOWN) OF MUKWONAGO, COUNT OF WAUKESHA, STATE OF WISCONSIN.

EXHIBIT A

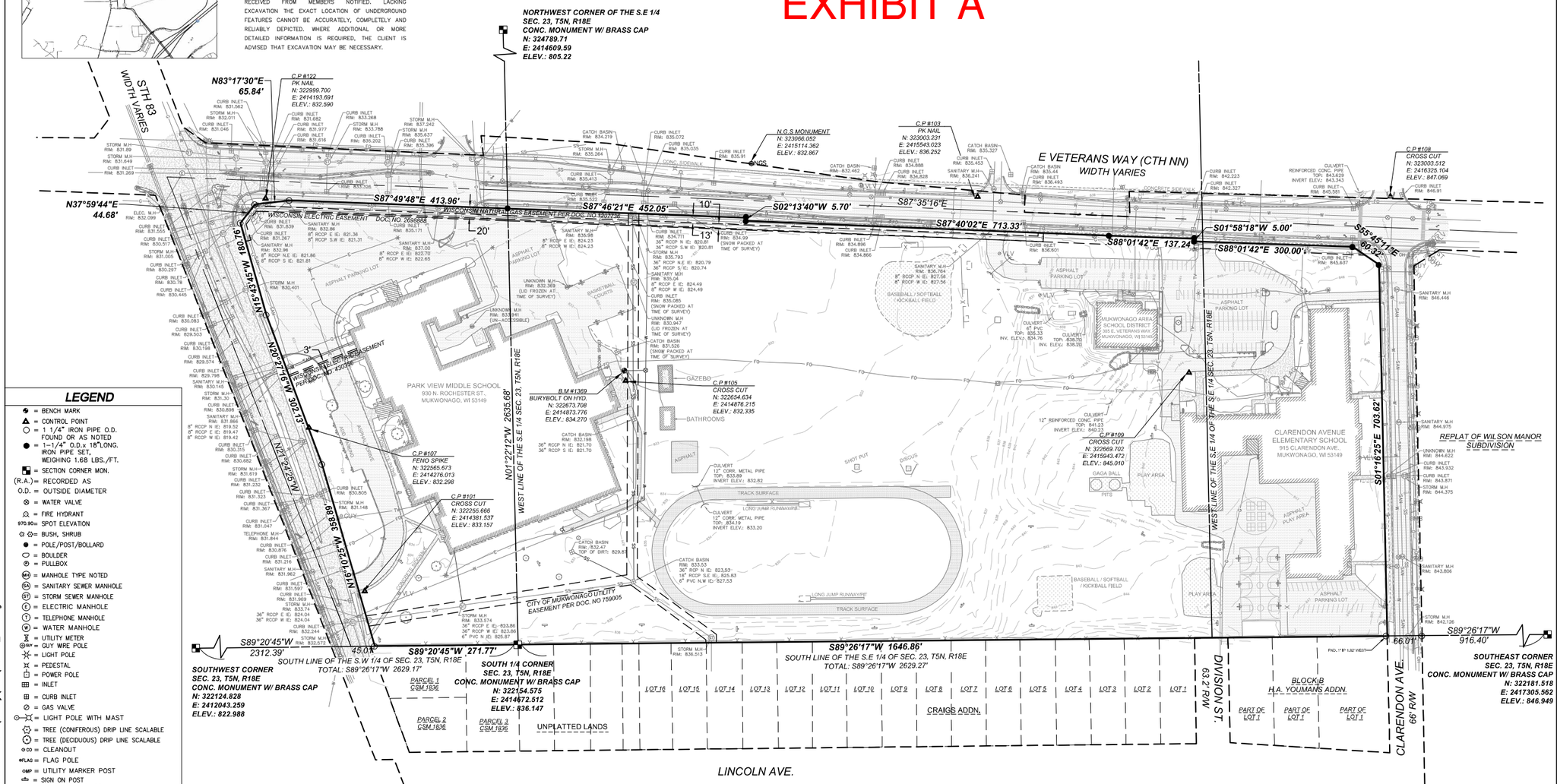
BEARINGS ARE REFERENCED TO NAD83 WISCONSIN STATE PLANE – SOUTH ZONE VERTICAL DATUM IS NAVD 88

VICINITY MAP
NOT TO SCALE




DIGGERS HOTLINE
Toll Free (800)242-8511
Milwaukee Area (414)259-1181
Hearing Impaired TDD (800)542-2289
www.DiggersHotline.com
REGISTERS HOTLINE TICKETS:
20244908559, 20244908558, 20244908564, 20244908567, 20244908581, 20244908582, 20245002221, 20245002224, 20245002227, 20245002231, 20245002238, 20245002239.

ALTHOUGH DIGGERS' HOTLINE WAS NOTIFIED THIS SURVEY DOES NOT GUARANTEE THAT ALL UTILITIES HAVE BEEN LOCATED ON SITE. SOME OF THE UTILITIES MAY HAVE BEEN DRAWN IN PER PLAN BASED ON MAPS RECEIVED FROM MEMBERS NOTIFIED. LACKING EXCAVATION THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.




## LEGEND

- ⊕ = BENCH MARK
- △ = CONTROL POINT
- ○ = 1 1/4" IRON PIPE O.D. FOUND OR AS NOTED
- ● = 1-1/4" O.D.x 18"LONG. IRON PIPE SET, WEIGHING 1.68 LBS./FT.
- ■ = SECTION CORNER MON.
- (R.A.)= RECORDED AS
- O.D. = OUTSIDE DIAMETER
- ⊗ = WATER VALVE
- = FIRE HYDRANT
- 970.90= SPOT ELEVATION
- = POLE/POST/BOLLARD
- = BOULDER
- = PULLBOX
- (MH) = MANHOLE TYPE NOTED
- (SA) = SANITARY SEWER MANHOLE
- (ST) = STORM SEWER MANHOLE
- (E) = ELECTRIC MANHOLE
- (T) = TELEPHONE MANHOLE
- (W) = WATER MANHOLE
- = UTILITY METER
- (GW)= GUY WIRE POLE
- = LIGHT POLE
- = PEDESTAL
- = POWER POLE
- = INLET
- = CURB INLET
- = GAS VALVE
- = LIGHT POLE WITH MAST
- = TREE (CONIFEROUS) DRIP LINE SCALABLE
- = TREE (DECIDUOUS) DRIP LINE SCALABLE
- CO = CLEANOUT
- FLAG = FLAG POLE
- UMP = UTILITY MARKER POST
- = SIGN ON POST
- = UTILITY CONTROL BOX
- V,LV = UNKNOWN UTILITY VALVE
- FL. EL. = FIRST FLOOR ELEVATION
- = BUILDING OUTLINE
- 3 = MINOR CONTOUR
- 5 = MAJOR CONTOUR
- = FENCE
- = BEAM GUARD
- = CHAINLINK FENCE
- = WOODED AREA/SHRUB EDGE
- W = WATER MAIN
- ST = STORM SEWER
- SAN = SANITARY SEWER
- G = NATURAL GAS MAIN
- T = UNDERGROUND TELEPHONE
- E = UNDERGROUND ELECTRIC
- OH = OVERHEAD UTILITY LINES
- FO = UNDERGROUND FIBER OPTIC
- TV = UNDERGROUND CABLE TV
- C = COMMUNICATION CONDUIT
- (P) = UTILITIES PER PLAN
- = ASPHALT SURFACE
- = CONCRETE SURFACE
- = GRAVEL / CRUSHED AGG. SURFACE

LEGAL DESCRIPTION:

PROVIDED BY: KNIGHT BARRY TITLE GROUP
FILE #: 2310623. EFFECTIVE DATE: DECEMBER 20, 2024.

All that part of the Southeast 1/4 of Section 23, Township 5 North, Range 18 East, in the Village (formerly in the Town) of Mukwonago, County of Waukesha, State of Wisconsin, described as follows: Beginning at a point on the South line of said Section 23 located 985 feet West of the Southeast corner of said Section 23; thence North 751.5 feet; thence North 86°30' West parallel to County Trunk Highway "EE" a distance of 678.3 feet; thence South 792.9 feet; thence East 677 feet to the place of beginning. The place of beginning can be further described as being 35 feet West of the intersection of the center line of Clarendon Street with the South line of said Section 23.

ALSO

All that part of the Southwest 1/4 and Southeast 1/4 of Section 23, Township 5 North, Range 18 East, in the Village (formerly in the Town) of Mukwonago, County of Waukesha, State of Wisconsin, described as follows: Beginning at the South quarter corner of said Section 23; thence 319.4 feet West on the South line of said Section 23 to the center line of State Trunk Highway 83; thence North 20° 36' West on the center line of said State Trunk Highway 83, 954.4 feet to the intersection with the center line of County Trunk Highway "EE"; thence South 87° East along the centerline of said County Trunk Highway "EE" 1615.7 feet; thence South 809.4 feet to the South line of said Section 23; thence West on said South section line 968.8 feet to the point of beginning.

ALSO

All of Division Street adjoining the East line of Lot 1, Block 1, of Craigs Addition to the Village of Mukwonago, in the North 1/2 of Section 26, Town 5 North, Range 18 East, in the Village of Mukwonago, County of Waukesha, State of Wisconsin, EXCEPTING THEREFROM the West 16 feet thereof.

EXCEPTING THEREFROM those lands conveyed to State of Wisconsin, Department of Transportation as described in Document No. 1347347. FURTHER EXCEPTING THEREFROM those lands conveyed to the State of Wisconsin, Department of Transportation as described in Warranty Deed recorded as Document No. 2672831, as corrected by Affidavit of Correction recorded as Document No. 3389564. AND FURTHER EXCEPTING THEREFROM those lands conveyed to Waukesha County as described in Warranty Deed recorded as Document No. 4226126.

For informational purposes only:
Property Address: 385 East Veterans Way, Mukwonago, WI 53149
Tax Key Number: MUKV 1964.992

SURVEYOR'S CERTIFICATE:

I, Brian Sandberg do hereby certify that that under My direction and control the the above described property was surveyed on 12/31/2024 in accordance with AE-7 of the Wisconsin Administrative Code and is correct to the best of my knowledge and belief.

Brian E. Sandberg S-2500
February 19th, 2025.

FILENAME: S:_SiteDegn\Bray Architects\250140 Mukwonago SD Referendum 2024\Survey\DWG\250140_Plat.dwg

kapur
7711 N. Port Washington Road
Milwaukee, Wisconsin 53217
kapurinc.com

PROJECT:
MUKWONAGO AREA SCHOOL DISTRICT

LOCATION:
385 E. VETERANS WAY, MUKWONAGO, WI 53149

CLIENT:
BRAY ARCHITECTS

RELEASE:
FINAL

REVISIONS:

| # | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

NORTH ARROW:

SCALE: 1" = 80'
0 40' 80' 160'

SEAL:
WISCONSIN BRIAN SANDBERG S-2500 PORT WASHINGTON WISCONSIN LAND SURVEYOR

all in

SHEET:
01
PLAT OF SURVEY WITH TOPOGRAPHY

| | |
|---|---|
| PROJECT MANAGER: | M.F |
| PROJECT NUMBER: | 25.0140 |
| DATE: | 02/19/2025 |

SHEET NUMBER:
1

# EXHIBIT C-1
# Catch Basin Operation, Inspection, and Maintenance Standards

I. ROUTINE MAINTENANCE

A. Inspections

1. Inspections of the catch basins shall be completed per the time intervals indicated on the attached “Catch Basin Operation, Inspection, and Maintenance Report Form” or after significant rainfall events.
2. The inspections should be completed during wet weather conditions to determine if the catch basins are functioning properly.
3. Inspection priorities shall be as follows:
   a) Inspect catch basins, manholes, endwalls, pipes for debris and sediment accumulation, blockages, obstructions, missing grates and covers, erosion at or around structures to ensure system is working properly
4. Documentation of the inspections should be completed using the attached “Catch Basin Operation, Inspection, and Maintenance Report Form” and filed. Documentation should include as a minimum:
   a) Inspectors name, affiliation and professional credentials if applicable.
   b) Date, time and weather conditions.
   c) Approximate rainfall total over a 24-hour period if applicable.
   d) Catch basin and storm sewer system condition.
   e) Sediment depth within the catch basins, manholes, endwalls, and curb and gutter.
   f) Identification of potential structural failures and repair needs.
   g) Repair recommendations.

B. Sediment, Debris and Litter Removal.

1. Sediment accumulation should be monitored at least once a month.
2. Debris and litter removal from the catch basins shall be completed at least once a month.
3. Catch basin sumps more than 50% full should be cleaned and have the sediment removed.

II. NON-ROUTINE MAINTENANCE

A. Structural Repairs and Replacement.

1. Annual inspection of the catch basins will disclose any potential structural problems. If structural problems appear, repair or replace the structures and pipes.

III. RESPONSIBLE PARTY & FINANCIAL FUNDING

A. The responsible party for the operation, inspection, and maintenance of the catch basins has been designated in the Storm Water Management Practice Maintenance Agreement.

B. The responsible party shall establish a perpetual maintenance fund to ensure that the pavement is properly inspected, maintained, and repaired.

# EXHIBIT C-2
# Bio-Retention Basin Operation, Inspection, and Maintenance Standards

I. ROUTINE MAINTENANCE

A. Vegetation

1. Side slopes, embankments, and emergency spillways that are not rock lined, which have been planted with native vegetation or turf grasses, should be mowed at least twice a year to prevent woody growth and control noxious weeds.
2. More frequent mowing, typically once a week during a normal growing season, is recommenced for aesthetic and allergy control purposes.
3. Native grasses should be mowed to a height of 6" in mid to late summer or after they have achieved a height of 1-1/2 feet during the first growing season. Further mowing in subsequent growing seasons will not be required.
4. If possible, the native grass area should be burned off every three to four years in the spring of the year. Check local burning regulations as permits may be required.
5. If burning of the native grass areas is not possible, a 5- to 8- inch mowing every 3 to 4 years may suffice as a substitute management technique. The mowed area should be raked and performed in the spring.

B. Inspections

1. Inspections of the bio-retention basins shall be completed with respect to the time intervals indicated on the attached "Bio-Retention Basin Operation, Inspection, and Maintenance Report Form" or after significant rainfall events.
2. The inspections should be completed during wet weather conditions to determine if the bio-retention basins are functioning properly.
3. Inspection priorities shall be as follows:
   a) Inspect the embankments for subsidence, erosion, cracking and tree growth.
   b) Inspect the condition of the overland overflow paths.
   c) Inspect the basin bottoms for accumulation of sediment and to determine plant health.
   d) Inspect the outlet control structures for clogs, debris and material failures.
   e) Inspect upstream and downstream channels from an erosion perspective.
   f) Inspect any modifications that may have been done to the bio-retention basins following their initial construction.
   g) Inspect the side slopes of the bio-retention basins for erosion, slumping, cracking or woody plant materials.
4. Documentation of the inspections should be completed using the attached "Bio-Retention Basin Operation, Inspection, and Maintenance Report Form" and filed. Documentation should include as a minimum:
   a) Inspectors name, affiliation and professional credentials if applicable.
   b) Date, time and weather conditions.
   c) Approximate rainfall total over a 24-hour period if applicable.
   d) Existing embankment, outlet and inlet conveyance systems and vegetation condition.

e) Sediment depth within the basins, outlet control structures, catch basins, manholes, endwalls, and curb and gutter.
f) Identification of potential structural failures and repair needs.
g) Other bio-retention conditions such as vegetation growth.
h) Repair recommendations.

C. Debris and Litter Removal.
1. Debris and litter removal from the bio-retention basins shall be completed at least once a month.
2. Attention should be paid to debris accumulating around the outlet structures to prevent potential clogging.

D. Erosion Control.
1. The bio-retention basin side slopes and embankments may suffer from periodic slumpage and erosion.
2. Corrective measures shall include re-grading, filling and re-vegetation of the eroded or slumping areas.
3. The ground surface around the bio-retention basin outlet structures should be inspected for displacement or undermining. Repairs shall be made upon discovery.

II. NON-ROUTINE MAINTENANCE

A. Structural Repairs and Replacement.
1. The estimated life of the outlet structure is 75 to 100 years. Annual inspection of the structures will disclose any potential structural problems. If structural problems appear, repair or replace the outlet.
2. Annual inspection of the bio-retention basin side slope and bottoms shall be conducted to disclose any potential leaks or seepage through the liners. If any appear to exist, corrective measures shall be taken.

B. Sediment Removal.
1. A sediment clean-out cycle of 10 to 15 years is recommended. Sediment removal may be necessary prior to 10 years if there is a substantial amount of land disturbance occurring within the contributory watershed. Annual inspections shall be made to ensure that the design depth and the available volume for storage is maintained, along with the infiltration capacity of the engineered soil.
2. Sediment removed from the bio-retention basin bottoms shall be hauled to an upland area, spread and stabilized with vegetative material in accordance with NR 500, Wisc. Admin. Code.
3. It is recommended that the sediment be tested to determine if land filling is necessary. Contact the local DNR prior to sediment sampling and testing to insure compliance with State standards and regulations.

C. pH Testing of Engineered Soil
1. pH tests are recommended to be conducted annually to ensure that proper treatment of the runoff is evident.
2. The engineered soil shall have a pH between 5.5 and 8.0. If the pH is observed to be out of this range, corrective measures shall be taken.

III. RESPONSIBLE PARTY & FINANCIAL FUNDING

A. The responsible party for the operation, inspection, and maintenance of the dry detention ponds has been designated in the Storm Water Management Practice Maintenance Agreement.
B. The responsible party shall establish a perpetual maintenance fund to ensure that the ponds are properly inspected, maintained, and repaired.

## IV. ADDITIONAL CONSIDERATIONS TO IMPROVE POND WATER QUALITY AND REDUCE MAINTENANCE COSTS.

A. General.
   1. Improper disposal of yard wastes will affect the quality of the water exiting the bio-retention basins and may cause clogging of the outlet structures.
   2. Improper fertilizer and pesticide application will affect the quality of the water exiting the bio-retention basins.
   3. Excess lawn watering will affect the quality of the water exiting the bio-retention basins due to increased water runoff that may contain fertilizers and pesticides.
B. Yard Care.
   1. It is recommended to consider routine yard care maintenance that is practical and environmentally sound.
   2. Refer to the U.W. Extension's "Rethinking Yard Care" for additional information.
C. Leaves and Yard Trimmings.
   1. It is recommended that leaves and yard trimmings are properly disposed of.
   2. Refer to the U.W. Extension's "Managing Leaves and Yard Trimmings" for further information.
D. Lawn and Garden Fertilizers.
   1. It is recommended to control fertilizer applications on lawn and gardens so as not to be detrimental to the quality of the water exiting the bio-retention basins.
   2. Refer to the U.W. Extension's "Lawn and Garden Fertilizers" for further information.
E. Lawn and Garden Pesticides.
   1. Lawn and garden pesticides may pollute surface and ground water.
   2. Refer to the U.W. Extension's "Lawn and Garden Pesticides" for further information.
F. Lawn Watering.
   1. Excess lawn watering will wash pollutants into the bio-retention basins.
   2. Refer to the U.W. Extension's "Lawn Watering" for further information.
G. Lawn Weed Control.
   1. Proper turf management will lower the amount of the chemicals that may runoff into the bio-retention basins during rain events.
   2. Refer to the U.W. Extension's "Lawn Weed Control" for further information.

## V. References

University of Wisconsin (U.W.) Extension. 1999. Lawn and Garden Fertilizers. Extension Publications GWQ002. 630 West Mifflin St., Madison WI 53703.

University of Wisconsin (U.W.) Extension. 2008. Lawn and Garden Pesticides. Extension Publications GWQ0011. 630 West Mifflin St., Madison WI 53703.

University of Wisconsin (U.W.) Extension. 2008. Lawn and Garden Pesticides. Extension Publications GWQ0011. 630 West Mifflin St., Madison WI 53703.

University of Wisconsin (U.W.) Extension. 2008. Lawn Watering. Extension Publications GWQ0012. 630 West Mifflin St., Madison WI 53703.

University of Wisconsin (U.W.) Extension. 2008. Lawn Weed Control. Extension Publications GWQ0013. 630 West Mifflin St., Madison WI 53703.

University of Wisconsin (U.W.) Extension. 2008. Managing Leaves & Yard Trimmings. Extension Publications GWQ0022. 630 West Mifflin St., Madison WI 53703.

University of Wisconsin (U.W.) Extension. 2008. Rethinking Yard Care. Extension Publications GWQ0009. 630 West Mifflin St., Madison WI 53703.

Wisconsin Administrative Code. General Solid Waste Management Requirements. Chapter NR 500. Revised July, 2015.

# EXHIBIT C-3
## Catch Basin Operation, Inspection, and Maintenance Report Form

Project: _____

Location: _____

Date: _____

Time: _____

Weather: _____

Inspector: _____

| Maintenance Item | Satisfactory / Unsatisfactory | Comments |
|---|---|---|
| **1. Debris and Sedimentation Accumulation (Monthly)** | | |
| 1. Clean of sediment and debris (e.g. mulch, leaves, trash, etc.) | | |
| 2. No indication of excessive sediment buildup | | |
| 3. Other (specify) | | |
| **2. Catch Basin Structures and Pipes (Annual, After Major Storms)** | | |
| 1. Clean of debris and obstructions | | |
| 2. Not an excessive sediment buildup in catch basins, manholes, endwalls. Sumps not more than 50% full | | |
| 3. No evidence of any blockages | | |
| 4. Good condition, no need for repair | | |
| 5. No missing grates or covers | | |
| 6. No evidence of erosion at or around structures | | |
| 7. Other (specify) | | |

**Comments:**

**Actions to be Taken:**

# EXHIBIT C-4
# Bio-retention Operation, Inspection, and Maintenance Report Form

Project: _____

Location: _____

Date: _____

Time: _____

Weather: _____

Inspector: _____

| Maintenance Item | Satisfactory / Unsatisfactory | Comments |
|---|---|---|
| **1. Debris Cleanout (Monthly)** | | |
| 1. Basin and contributing areas clean of debris | | |
| 2. No dumping of yard wastes into basin | | |
| 3. Litter (branches, etc.) has been removed from basin | | |
| 4. Other (specify) | | |
| **2. Vegetation (Monthly)** | | |
| 1. Vegetation fertilized per specifications | | |
| 2. Vegetation/plant composition per approved plans | | |
| 3. No placement of inappropriate plants | | |
| 4. Grass height not greater than 6 inches | | |
| 5. Plant health | | |
| 6. No evidence of erosion | | |
| 7. Other (specify) | | |
| **3. Dewatering (Monthly, After Major Storms)** | | |
| 1. Basins dewater between storms | | |
| 2. No evidence of permanent standing water | | |
| 3. Other (specify) | | |
| **4. Integrity of the Bio-Retention Basin Filter Beds (Annual)** | | |
| 1. Filter beds have not been blocked or filled inappropriately | | |
| 2. pH of engineered soil is in range of 5.5 to 8.0 | | |
| 3. Other (specify) | | |

| Maintenance Item | Satisfactory / Unsatisfactory | Comments |
|---|---|---|
| **5. Bio-Retention Basin Inlet/Outlet Structures and Endwalls (Annual, After Major Storms)** | | |
| 1. No excessive sediment accumulation inside structures and/or pipes | | |
| 2. No debris accumulation or clogging of structures and pipes | | |
| 3. Condition of structures and outlet pipes | | |
| a. No major cracks or displacement | | |
| b. No minor spalling (<1") | | |
| c. N major spalling (exposed rebar) | | |
| d. No joint failures | | |
| e. Water tightness | | |
| f. No missing grates or covers | | |
| 4. No evidence of erosion at or around structures/pipes | | |
| 5. Other (specify) | | |

**Comments:**

_____

_____

_____

_____

_____

_____

**Actions to be Taken:**

_____

_____

_____

_____

_____

_____

_____

# Appendix H

## Pick ‘N Save Pond Retrofit Storm Water Management Plan

# PICK ‘N SAVE POND RETROFIT
# STORM WATER MANAGEMENT PLAN

VILLAGE OF MUKWONAGO
WAUKESHA/ WALWORTH COUNTY, WISCONSIN

APRIL 2, 2019

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RUEKERT/MIELKE
W233 N2080 Ridgeview Parkway
Waukesha, Wisconsin 53188-1020

**PICK 'N SAVE POND RETROFIT**
**STORM WATER MANAGEMENT PLAN**

## Project Description and Drainage Background:

Pond Basin 19, commonly referred to as the Pick 'n Save Pond, is being modified to improve water quantity and quality in the Village of Mukwonago. The Wisconsin Department of Transportation constructed the basin in 2001 and Waukesha County re-modeled the calculations in 2016 for the CTH NN Reconstruction project. Upgrades to the Pick 'n Save Pond have been planned since completion of the Village of Mukwonago Storm Water Management Plan in 2009. Ruekert & Mielke, Inc. was engaged for the planning and design of the proposed pond improvements. The pond is located north of County Highway NN and east of STH 83 and is in Section 23 SE, T5N, R18E, Waukesha County, Wisconsin.

Approximately 151.3 acres of runoff is conveyed and treated by the Pick 'n Save pond as shown on **Exhibit 1** in **Appendix 1**. To improve the function of the pond, the proposed project entails installing an outlet structure, replacing the outlet pipe and end sections, and raising the top of berm and spillway to improve particulate solids and phosphorus removal within the facility. The proposed pond improvements will capture an additional 9,578 pounds of particulate solids and 22.4 pounds if phosphorus, this would equate to an approximate 1.6% improvement throughout the Village. The complete summary and comparison between the total suspended solids, phosphorus and nitrates removal from the existing and proposed pond conditions can be found on page 5, table 4-6.

This report documents the hydrologic calculations and describes the storm water management for the proposed improvements to the Pick 'n Save Pond in the Village of Mukwonago. The proposed pond improvements will be designed to meet the Village's storm water quantity and quality requirements.

**Property Owner**:
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

**Design Engineer**:
Ruekert & Mielke, Inc.
W233 N2080 Ridgeview Pkwy
Waukesha, WI 53188

## Planning Goals

Storm Water Quantity and Quality:

1. Meet Village of Mukwonago Storm Water Management & Erosion Control Ordinance.
2. Meet the required removal of 80% of the Total Suspended Solids (TSS) and Phosphorus generated by the average annual rainfall, per Village of Mukwonago Storm Water Management & Erosion Control Ordinance.
3. All storm water management facilities shall have the capacity to safely handle the calculated peak flow rate for a 100-year 24-hour design storm.
4. Design the post-construction facilities to minimize erosion and downstream drainage issues.

**Methodology/ Hydrology:**

Runoff volume and flow rates were calculated for the 1, 2, 10, and 100-year, 24-hour rainfall events using SCS (NRCS) Technical Release No. 55 methodology. Local rainfall information was based on NOAA Atlas 14, Volume 8 Precipitation Frequency data for Waukesha County. The Hydraflow Hydrographs watershed modeling program was used to complete the hydrology detention basin routing calculations. The drainage areas were delineated based on field survey and Waukesha & Walworth County topography.

Rainfall Data:

| Recurrence Interval | Rainfall Depth |
|---|---|
| 1 Year | 2.40” |
| 2 Year | 2.70” |
| 10 Year | 3.81” |
| 100 Year | 6.18” |

**Soils Information:**

The Natural Resources Conservation Service Soil Survey identifies the soils as having a hydrologic soil group of type B or C, with the primary soil types listed as Casco loam, Fox loam, Miami loam and sandy and gravelly land. A copy of the Web Soil Survey for the area is attached in **Appendix 3**.

**Project Conditions:**

While the current conditions of the Pick ‘n Save Pond have some water quality benefits, the outlet configuration does not allow for the pond to maximize its pollutant effectiveness. The current outlet for the Pick ‘n Save pond is a 27-inch pipe and an emergency spillway. With the extensive use of the emergency spillway from a 10-year storm event and greater, there has been an on-going issue of erosion on the storm water facility’s embankment that drains towards the Vernon Marsh.

The proposed improvements include removal of the existing outfall system and replacing with an 84-inch diameter outlet structure and 48-inch storm sewer pipe. Additionally, antiseep collars will be installed around the proposed outlet pipe. The top of berm and emergency spillway will be raised approximately 4-feet to significantly increase the capacity of the pond. These proposed improvements will achieve a greater pollutant reduction and minimize erosion.

Peak flows discharging from the regional storm water facility are shown below and comply with NR216 & Village of Mukwonago Storm Water Management & Erosion Control Ordinance.

| | 1-year | 2-year | 10-year | 100-year |
|---|---|---|---|---|
| Existing Pond Condition | 12.40cfs | 17.90cfs | 52.10cfs | 195.67cfs |
| | 1-year | 2-year | 10-year | 100-year |
| Proposed Pond Condition | 2.67cfs | 3.25cfs | 35.21cfs | 144.78cfs |

Peak flows from the drainage basins are depicted in the table below. The summary and comparison between the peak flows and volumes during the critical duration period for the existing and proposed pond conditions are contained in **Appendix** 2 and are depicted below.

Table 1: Watershed Data Summary Table

| Basin | Area (acres) | Composite Curve Number | Time of Concentration (Min.) | 1-YR, 24-HR (cfs) | 2-YR, 24-HR (cfs) | 10-YR, 24-HR (cfs) | 100-YR, 24-HR (cfs) |
|---|---|---|---|---|---|---|---|
| Area 1 – STH 83 | 12.40 | 90 | 27.00 | 16.24 | 19.25 | 30.52 | 54.57 |
| Area 2 – Res./Condo | 12.80 | 90 | 40.10 | 13.83 | 16.40 | 26.05 | 46.68 |
| Area 3 – Med. Dens. Res. | 40.00 | 72 | 71.40 | 7.07 | 10.11 | 24.02 | 60.58 |
| Area 4 – School | 29.80 | 71 | 62.80 | 5.24 | 7.65 | 18.82 | 48.62 |
| Area 5 - Industrial | 5.10 | 91 | 41.90 | 5.51 | 6.49 | 10.15 | 17.95 |
| Area 6 - Commercial | 18.60 | 85 | 48.80 | 12.89 | 15.84 | 27.29 | 52.94 |
| Area 7 – CTH NN | 3.80 | 86 | 14.70 | 5.56 | 6.76 | 11.34 | 21.36 |
| Area 8 – Condos, Pond | 12.00 | 93 | 12.60 | 28.63 | 33.21 | 50.06 | 85.54 |
| Area 9 – Field Park | 16.80 | 61 | 66.30 | 0.59 | 1.14 | 4.66 | 17.28 |

Table 2: Existing Basin Inflow, Outflow & Storage Data Summary Table

| **Existing Pond (see attached hydrographs)** | | | | | |
|---|---|---|---|---|---|
| Design Storm | Peak Inflow | Maximum Outflow Rate | Max. Water Elevation | Storage Volume at Max. Elev. | Outflow Control Structures* |
| 1-yr./ 24 hr. peak | 68.07 cfs | 12.40 cfs | 817.16 ft | 216,628 cuft | #1 |
| 2-yr./ 24 hr. peak | 82.14 cfs | 17.90 cfs | 817.61 ft | 266,802 cuft | #1 |
| 10-yr./ 24 hr. peak | 139.30 cfs | 52.10 cfs | 819.14 ft | 440,145 cuft | #1 & #2 |
| 100-yr./ 24 hr. peak | 276.34 cfs | 195.67 cfs | 820.99 ft | 663,007 cuft | #1 & #2 |

***The controlling elements are summarized below:**

#1 = 27" culvert structure

#2 = Emergency spillway, Elevation = 818.50

Table 3: Design Basin Inflow, Outflow & Storage Data Summary Table

| **Proposed Pond (see attached hydrographs)** | | | | | |
|---|---|---|---|---|---|
| Design Storm | Peak Inflow | Maximum Outflow Rate | Max. Water Elevation | Storage Volume at Max. Elev. | Outflow Control Structures* |
| 1-yr./ 24 hr. peak | 68.07 cfs | 2.670 cfs | 818.65 ft | 347,139 cuft | #1 & #2 |
| 2-yr./ 24 hr. peak | 82.14 cfs | 3.245 cfs | 819.42 ft | 427,772 cuft | #1 & #2 |
| 10-yr./ 24 hr. peak | 139.30 cfs | 35.21 cfs | 820.67 ft | 564,535 cuft | #1, #2 & #3 |
| 100-yr./ 24 hr. peak | 276.34 cfs | 144.78 cfs | 823.03 ft | 837,449 cuft | #1, #2 & #3 |

***The controlling elements are summarized below:**

#1 = 4" orifice, Elevation = 815.00

#2 = 8" orifice, Elevation = 817.00

#3 = 84" diameter riser, Elevation = 820.00

#4 = Emergency spillway, Elevation = 823.50

**Water Quality Analysis:**

WinSLAMM version 10.4.1 was utilized to evaluate the performance of the existing and proposed storm water facility by calculating the average annual TSS and Phosphorus reductions. The land use used for the storm water facility modeling are delineated on **Exhibit 2** in **Appendix 4** and the input data and output summary are attached in **Appendix 5 & 6**. In developing the model, standard parameter files were used in accordance with DNR guidance. Results of the model runs are as follows:

Table 4: Water Quality Summary Table – TSS Reduction

| SLAMM V10.4.1 summary results | | | |
|---|---|---|---|
| Area | Total TSS (LBS) No Controls | Total TSS (LBS) With Controls | TSS Reduction (%) |
| Pick 'n Save Pond – Existing Condition | 47,742 | 16,074 | 66.33 |
| Pick 'n Save Pond – Proposed Condition | 47,742 | 6,496 | 86.39 |

Table 5: Water Quality Summary Table – Phosphorus Reduction

| SLAMM V10.4.1 summary results | | | |
|---|---|---|---|
| Area | Total Phosphorus (LBS) No Controls | Total Phosphorus (LBS) With Controls | Phosphorus Reduction (%) |
| Pick 'n Save Pond – Existing Condition | 113.6 | 39.24 | 65.46 |
| Pick 'n Save Pond – Proposed Condition | 113.6 | 16.81 | 85.20 |

Table 6: Water Quality Summary Table – Nitrate Reduction

| SLAMM V10.4.1 summary results | | | |
|---|---|---|---|
| Area | Total Nitrate (LBS) No Controls | Total Nitrate (LBS) With Controls | Nitrate Reduction (%) |
| Pick 'n Save Pond – Existing Condition | 146.9 | 147.0 | -0.11% |
| Pick 'n Save Pond – Proposed Condition | 146.9 | 144.7 | 1.48 |

The proposed improvements to the regional storm water facility provides storm water quality that exceeds the Village's ordinance.

**Post-Construction Maintenance:**

The maintenance plan for the storm water detention facilities is included as **Appendix 7**.

**Wetlands:**

The DNR website was been reviewed to determine whether any known wetlands or wetland indictors were located within the project area. In discussions with Wisconsin Department of Natural Resources' Representatives, they determined that the Pick N' Save sediment forebays are considered artificial wetlands. Therefore, no regulated wetlands will be altered or disturbed during construction.

# APPENDIX 1

# 2019 DRAINAGE MAP

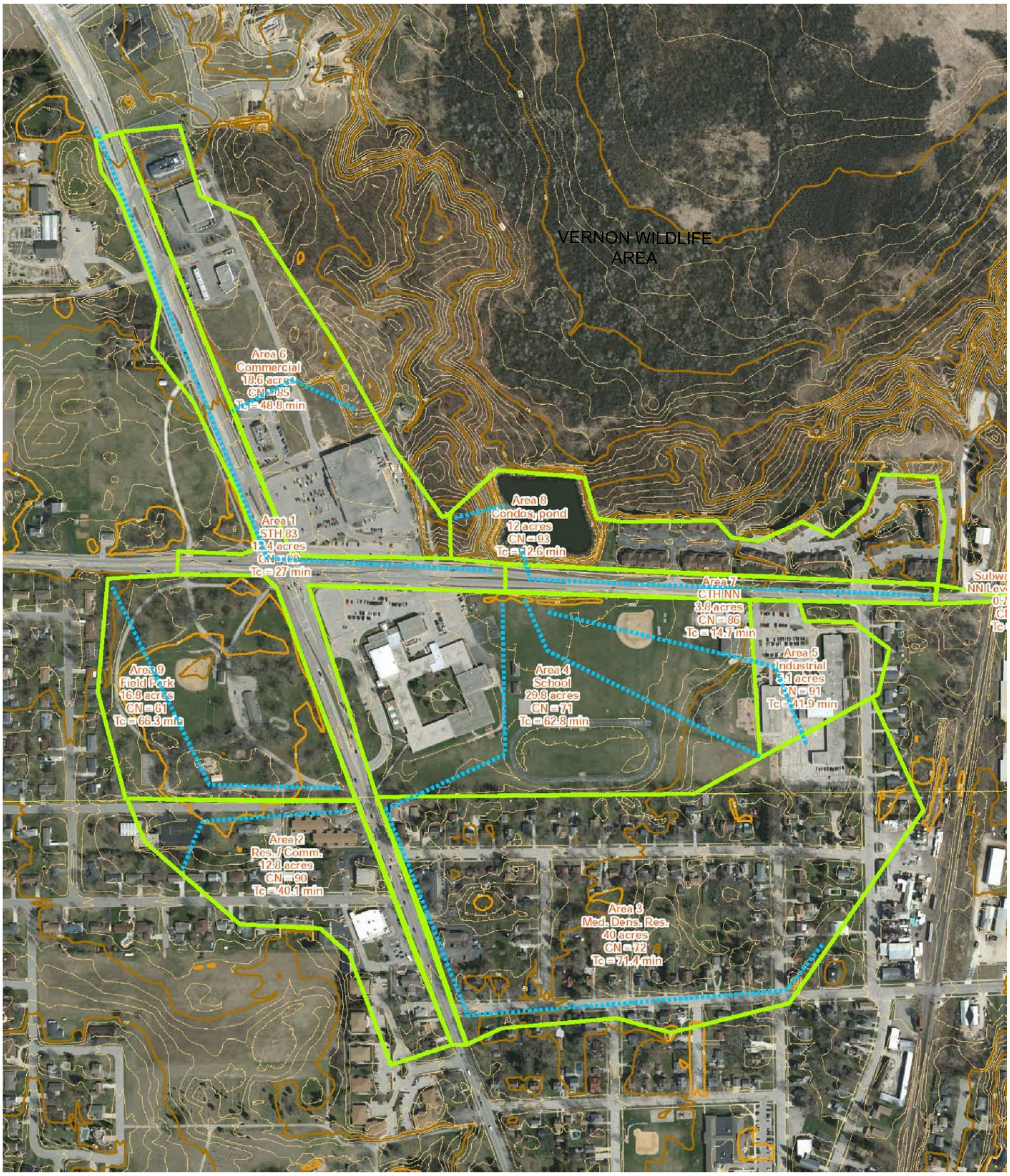
Mar 25, 2019 10:11am PLOTTED BY: MMichalski SAVED BY: MMichalski
G:\C3D_2018\12_Village of Mukwonago\10086_PICK N SAVE POND\dwg\Zcex County Drainage Map.dwg Layout1
IMAGES: G:\SYM\RM SQUARE_Full Color-Print.jpg; G:\C3D_2018\12_Village of Mukwonago\10086_PICK N SAVE POND\dwg\Waukesha County Drainage Exhibit-02.jpg;
XREFS: N:\CADASTRL\WAUK_CO\20081231_DWG\0518.dwg

RM1117LB

# EXHIBIT #1

## 2019 DRAINAGE MAP

## VILLAGE OF MUKWONAGO
## WAUKESHA/ WALWORTH COUNTY, WISCONSIN




## LEGEND

APPROXIMATE SUBWATERSHED BOUNDARY

Tc PATHWAY

N
W E
S

0 100 200 400 800

SCALE IN FEET

DATE: FEBRUARY, 2019

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The Village of Mukwonago
Where life, leisure and business thrive.

SOURCE: WAUKESHA COUNTY CTH NN RECONSTRUCTION STORM WATER MANAGEMENT PLAN DATED JUNE 22, 2016
BASEMAP SOURCE: WAUKESHA COUNTY

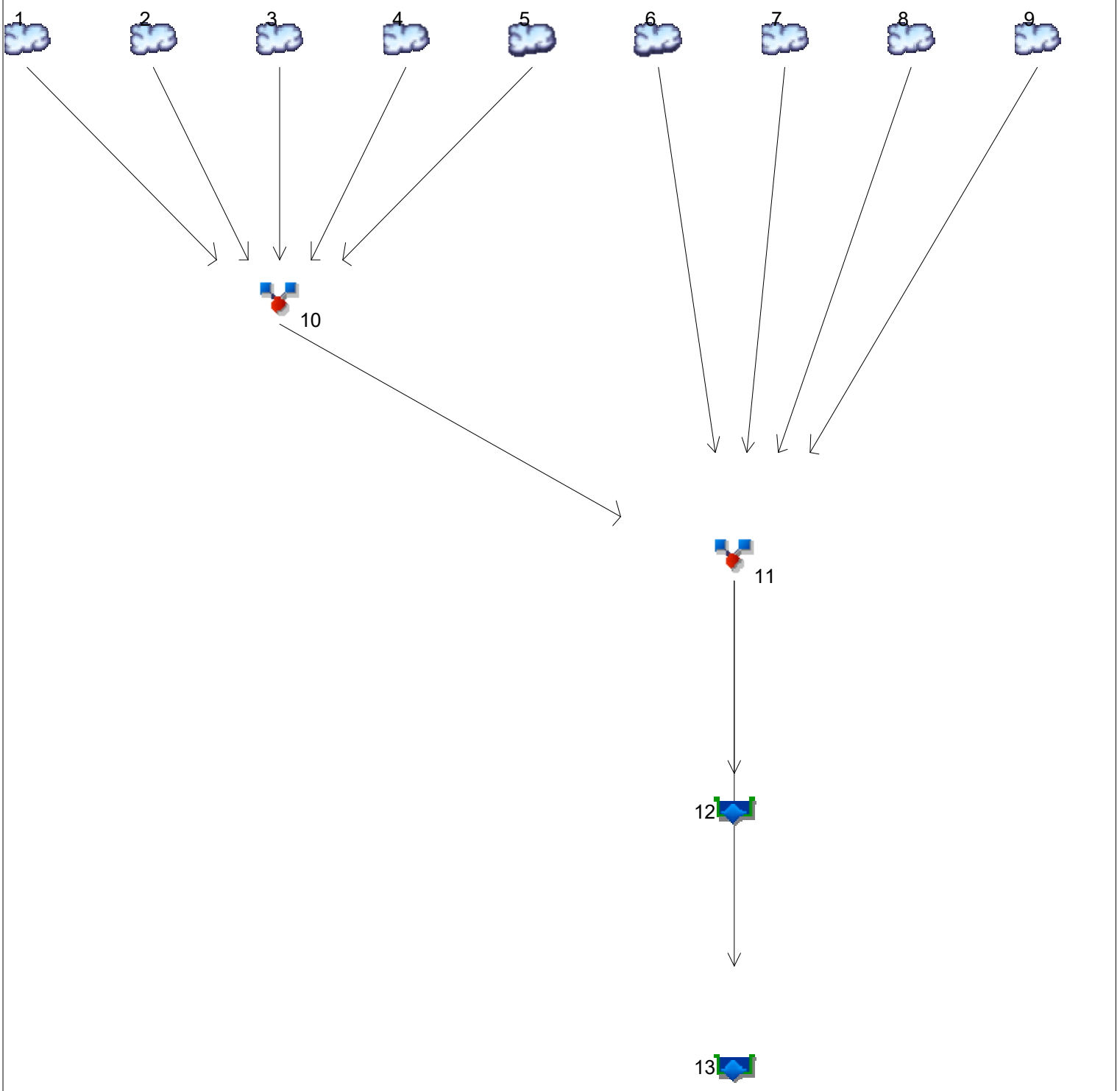
Ruekert • Mielk
www.ruekertmielke.com

# APPENDIX 2

# 2019 DRAINAGE CONDTIONS HYDROLOGIC & HYDRAULIC DESIGN COMPUTATIONS

# Watershed Model Schematic

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020



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# Hydrograph Return Period Recap



| Hyd. No. | Hydrograph type (origin) | Inflow hyd(s) | Peak Outflow (cfs) | | | | | | | | Hydrograph Description |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1-yr | 2-yr | 3-yr | 5-yr | 10-yr | 25-yr | 50-yr | 100-yr | |
| 1 | SCS Runoff | ------ | 16.24 | 19.25 | ------- | ------- | 30.52 | ------- | ------- | 54.57 | Area 1 - STH 83 |
| 2 | SCS Runoff | ------ | 13.83 | 16.40 | ------- | ------- | 26.05 | ------- | ------- | 46.68 | Area 2 - Res./Condo |
| 3 | SCS Runoff | ------ | 7.066 | 10.11 | ------- | ------- | 24.02 | ------- | ------- | 60.58 | Area 3 - Med. Dens. Res. |
| 4 | SCS Runoff | ------ | 5.242 | 7.646 | ------- | ------- | 18.82 | ------- | ------- | 48.62 | Area 4 - School |
| 5 | SCS Runoff | ------ | 5.507 | 6.489 | ------- | ------- | 10.15 | ------- | ------- | 17.95 | Area 5 - Industrial |
| 6 | SCS Runoff | ------ | 12.89 | 15.84 | ------- | ------- | 27.29 | ------- | ------- | 52.94 | Area 6 - Commercial |
| 7 | SCS Runoff | ------ | 5.563 | 6.757 | ------- | ------- | 11.34 | ------- | ------- | 21.36 | Area 7 - CTH NN |
| 8 | SCS Runoff | ------ | 28.63 | 33.21 | ------- | ------- | 50.06 | ------- | ------- | 85.54 | Area 8 - Condos, Pond |
| 9 | SCS Runoff | ------ | 0.593 | 1.143 | ------- | ------- | 4.664 | ------- | ------- | 17.28 | Area 9 - Field Park |
| 10 | Combine | 1, 2, 3, 4, 5, | 40.50 | 50.14 | ------- | ------- | 90.95 | ------- | ------- | 190.17 | Combine #1 |
| 11 | Combine | 6, 7, 8, 9, 10 | 68.07 | 82.14 | ------- | ------- | 139.30 | ------- | ------- | 276.34 | Combine #2 |
| 12 | Reservoir | 11 | 12.40 | 17.90 | ------- | ------- | 52.10 | ------- | ------- | 195.67 | Existing Pond |
| 13 | Reservoir | 11 | 2.670 | 3.245 | ------- | ------- | 35.21 | ------- | ------- | 144.78 | Proposed Pond |

# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020

| Hyd. No. | Hydrograph type (origin) | Peak flow (cfs) | Time interval (min) | Time to Peak (min) | Hyd. volume (cuft) | Inflow hyd(s) | Maximum elevation (ft) | Total strge used (cuft) | Hydrograph Description |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SCS Runoff | 16.24 | 2 | 730 | 64,909 | ------ | ------ | ------ | Area 1 - STH 83 |
| 2 | SCS Runoff | 13.83 | 2 | 736 | 67,003 | ------ | ------ | ------ | Area 2 - Res./Condo |
| 3 | SCS Runoff | 7.066 | 2 | 762 | 69,725 | ------ | ------ | ------ | Area 3 - Med. Dens. Res. |
| 4 | SCS Runoff | 5.242 | 2 | 756 | 48,146 | ------ | ------ | ------ | Area 4 - School |
| 5 | SCS Runoff | 5.507 | 2 | 738 | 28,405 | ------ | ------ | ------ | Area 5 - Industrial |
| 6 | SCS Runoff | 12.89 | 2 | 744 | 74,226 | ------ | ------ | ------ | Area 6 - Commercial |
| 7 | SCS Runoff | 5.563 | 2 | 722 | 15,632 | ------ | ------ | ------ | Area 7 - CTH NN |
| 8 | SCS Runoff | 28.63 | 2 | 720 | 75,714 | ------ | ------ | ------ | Area 8 - Condos, Pond |
| 9 | SCS Runoff | 0.593 | 2 | 782 | 10,122 | ------ | ------ | ------ | Area 9 - Field Park |
| 10 | Combine | 40.50 | 2 | 736 | 278,188 | 1, 2, 3, 4, 5, | ------ | ------ | Combine #1 |
| 11 | Combine | 68.07 | 2 | 724 | 453,881 | 6, 7, 8, 9, 10 | ------ | ------ | Combine #2 |
| 12 | Reservoir | 12.40 | 2 | 822 | 450,234 | 11 | 817.16 | 216,628 | Existing Pond |
| 13 | Reservoir | 2.670 | 2 | 1394 | 340,769 | 11 | 818.65 | 347,139 | Proposed Pond |

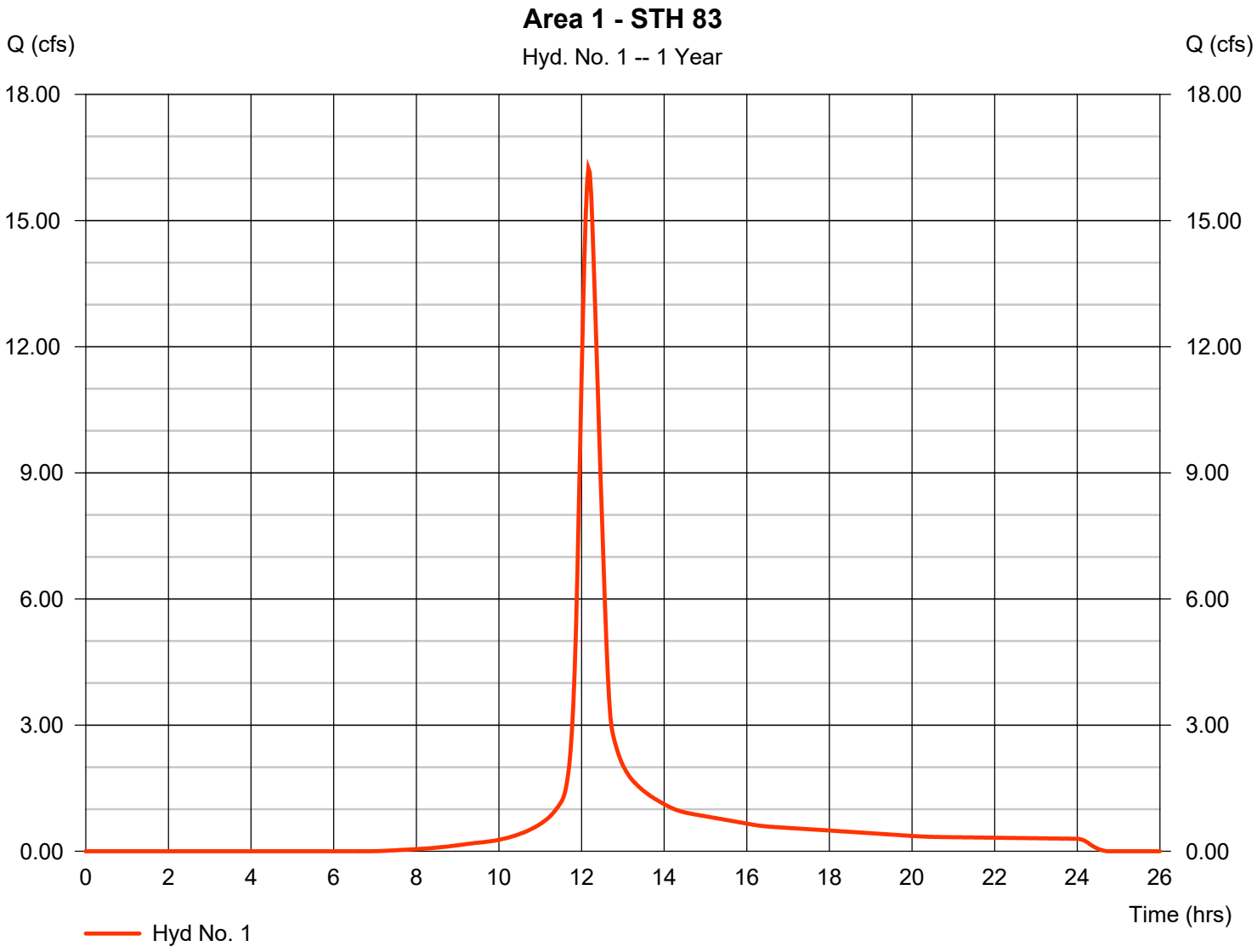
# Hydrograph Report



## Hyd. No. 1

Area 1 - STH 83

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 16.24 cfs |
| Storm frequency | = 1 yrs | Time to peak | = 12.17 hrs |
| Time interval | = 2 min | Hyd. volume | = 64,909 cuft |
| Drainage area | = 12.400 ac | Curve number | = 90 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 27.00 min |
| Total precip. | = 2.40 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



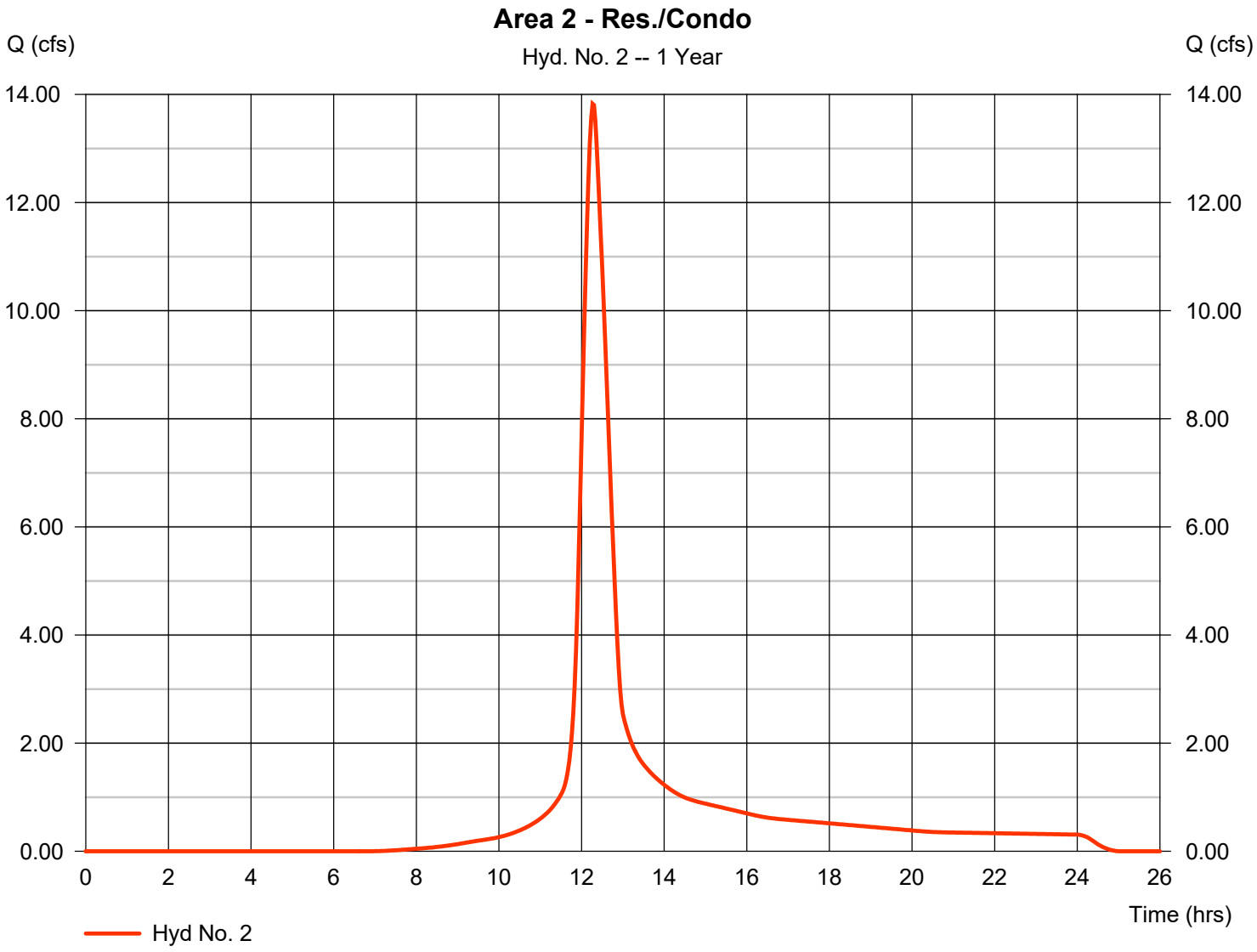
# Hydrograph Report



## Hyd. No. 2

Area 2 - Res./Condo

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 13.83 cfs |
| Storm frequency | = 1 yrs | Time to peak | = 12.27 hrs |
| Time interval | = 2 min | Hyd. volume | = 67,003 cuft |
| Drainage area | = 12.800 ac | Curve number | = 90 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 40.10 min |
| Total precip. | = 2.40 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



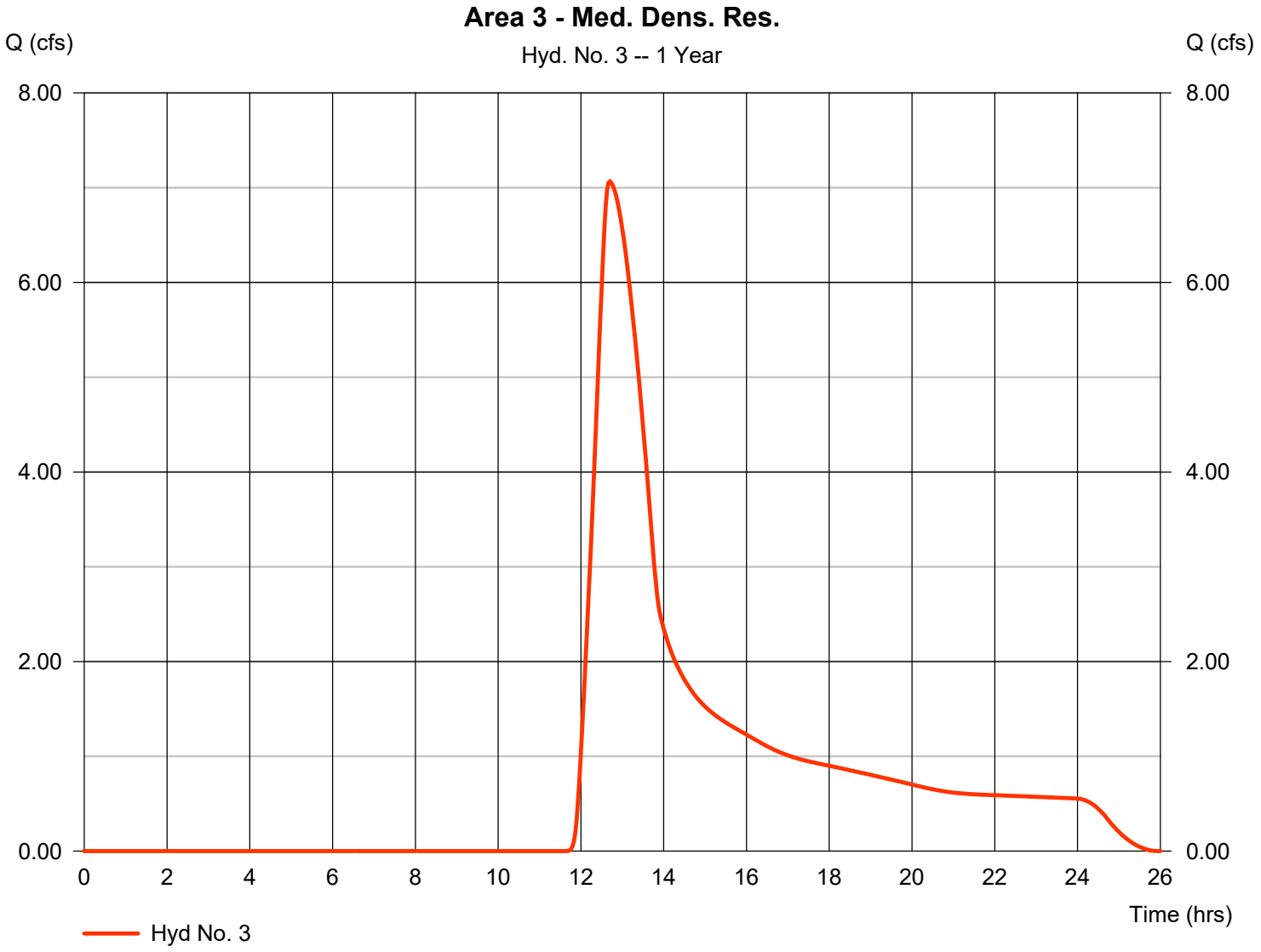
# Hydrograph Report



## Hyd. No. 3

Area 3 - Med. Dens. Res.

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 7.066 cfs |
| Storm frequency | = 1 yrs | Time to peak | = 12.70 hrs |
| Time interval | = 2 min | Hyd. volume | = 69,725 cuft |
| Drainage area | = 40.000 ac | Curve number | = 72 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 71.40 min |
| Total precip. | = 2.40 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



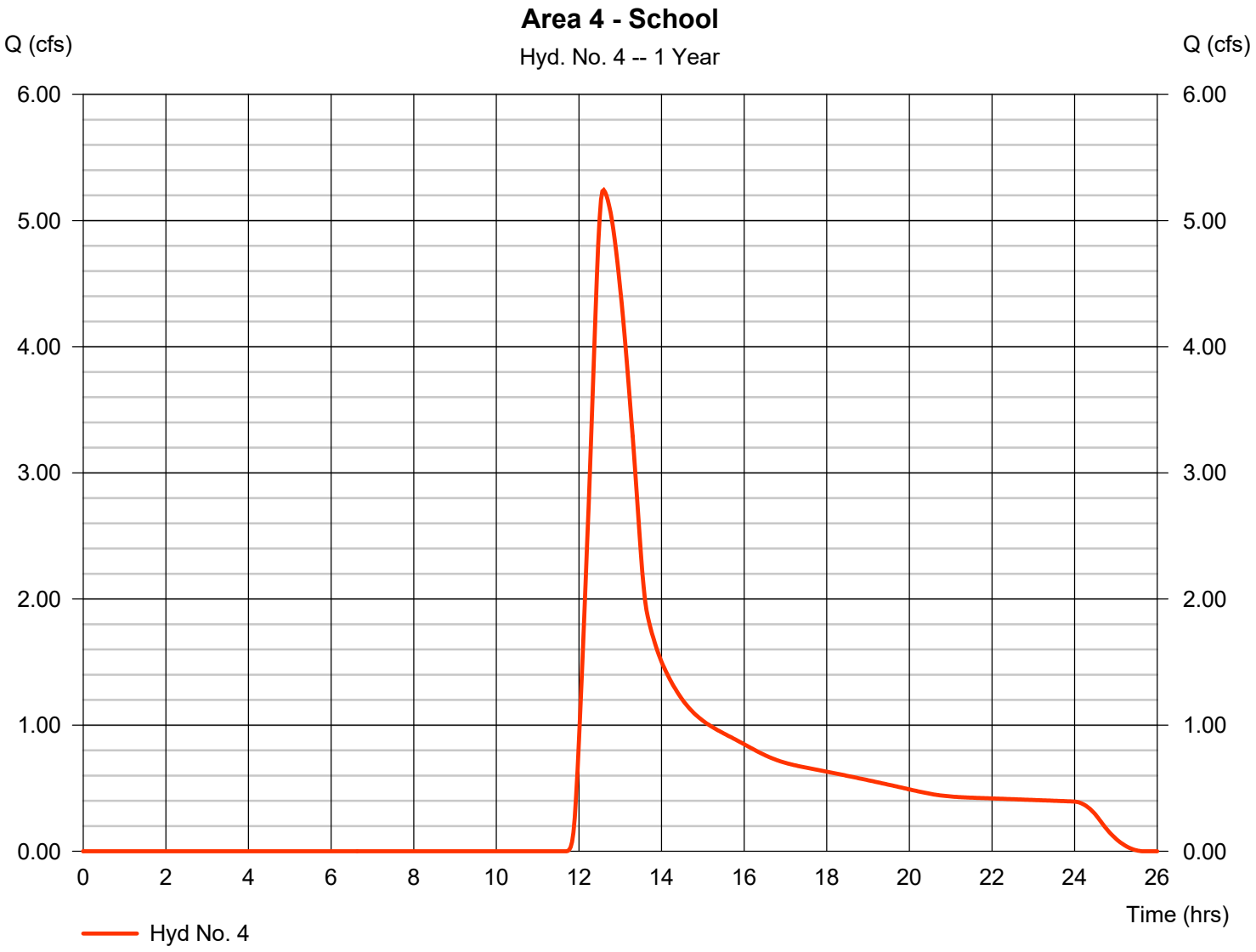
# Hydrograph Report



## Hyd. No. 4

Area 4 - School

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 5.242 cfs |
| Storm frequency | = 1 yrs | Time to peak | = 12.60 hrs |
| Time interval | = 2 min | Hyd. volume | = 48,146 cuft |
| Drainage area | = 29.800 ac | Curve number | = 71 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 62.80 min |
| Total precip. | = 2.40 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



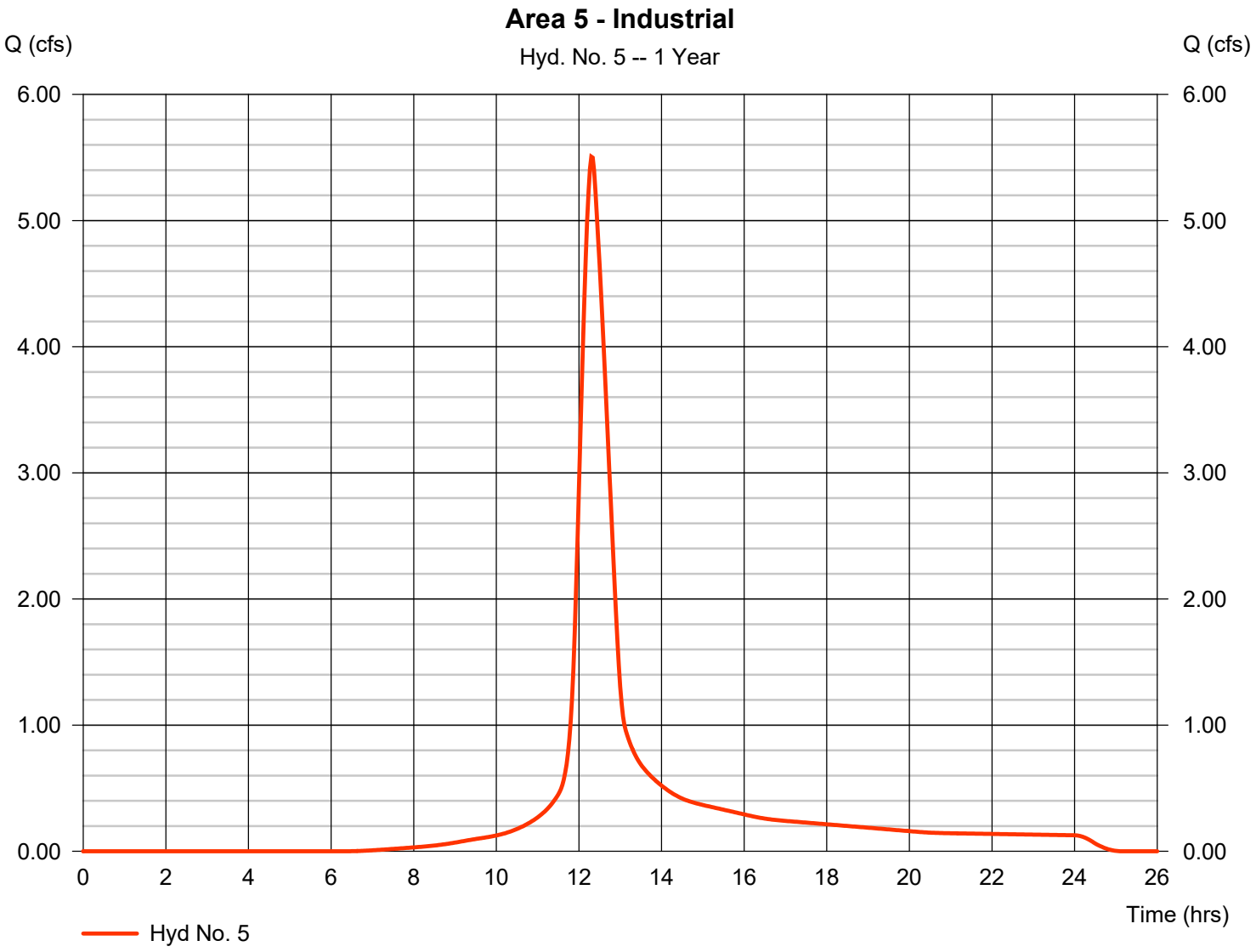
# Hydrograph Report



## Hyd. No. 5

Area 5 - Industrial

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 5.507 cfs |
| Storm frequency | = | 1 yrs | Time to peak | = | 12.30 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 28,405 cuft |
| Drainage area | = | 5.100 ac | Curve number | = | 91 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 41.90 min |
| Total precip. | = | 2.40 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



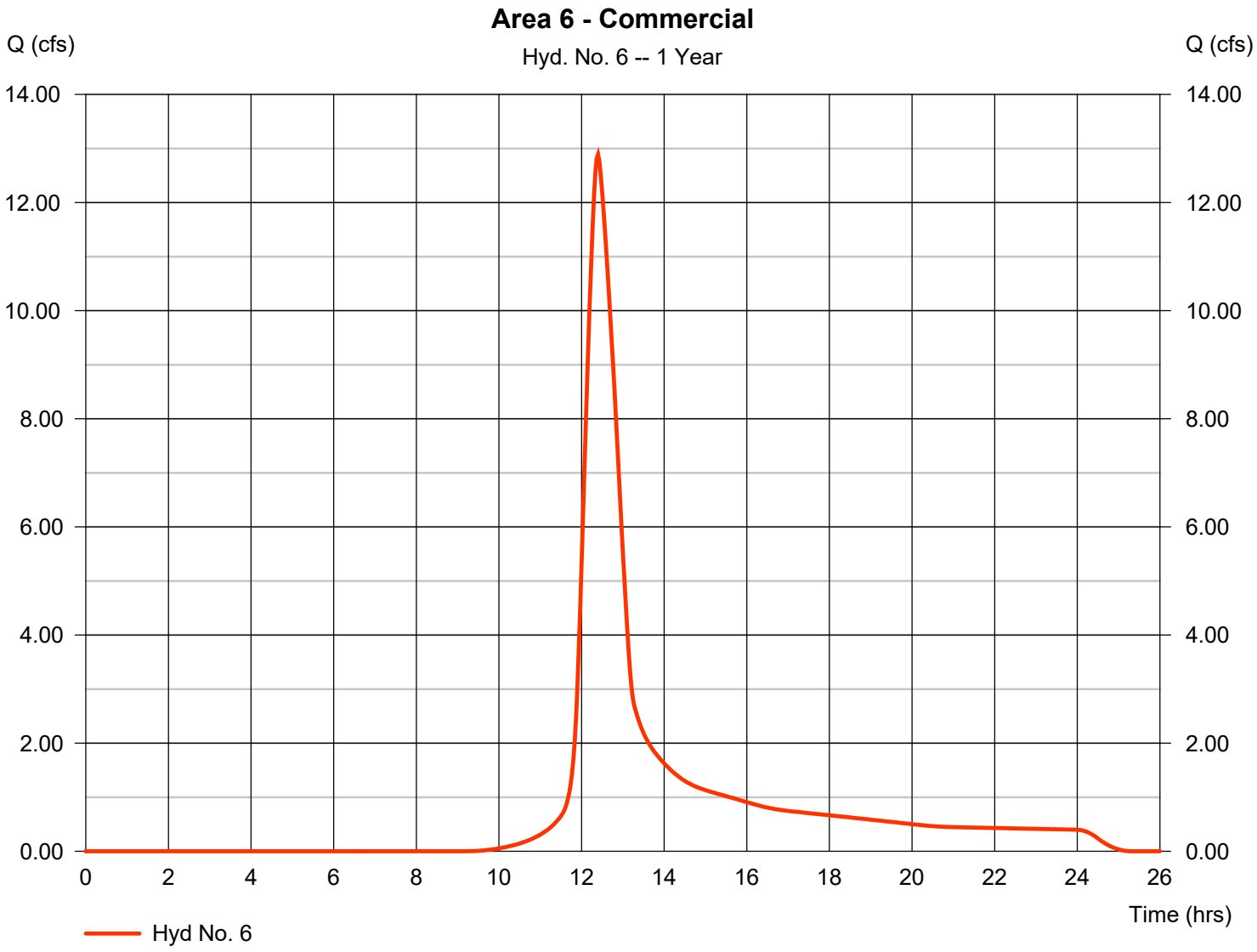
# Hydrograph Report



## Hyd. No. 6

Area 6 - Commercial

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 12.89 cfs |
| Storm frequency | = 1 yrs | Time to peak | = 12.40 hrs |
| Time interval | = 2 min | Hyd. volume | = 74,226 cuft |
| Drainage area | = 18.600 ac | Curve number | = 85 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 48.80 min |
| Total precip. | = 2.40 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



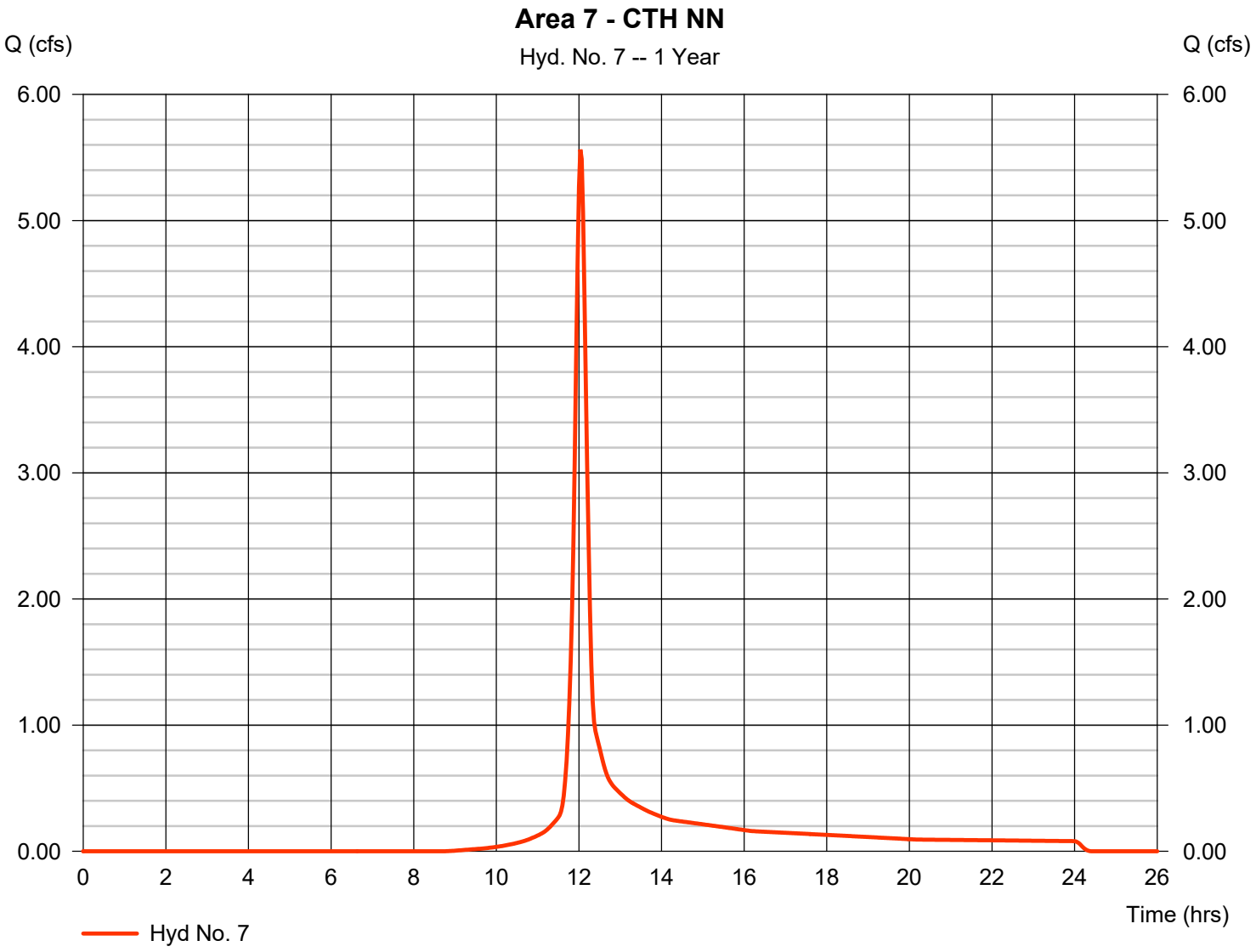
# Hydrograph Report



## Hyd. No. 7

Area 7 - CTH NN

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 5.563 cfs |
| Storm frequency | = 1 yrs | Time to peak | = 12.03 hrs |
| Time interval | = 2 min | Hyd. volume | = 15,632 cuft |
| Drainage area | = 3.800 ac | Curve number | = 86 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 14.70 min |
| Total precip. | = 2.40 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



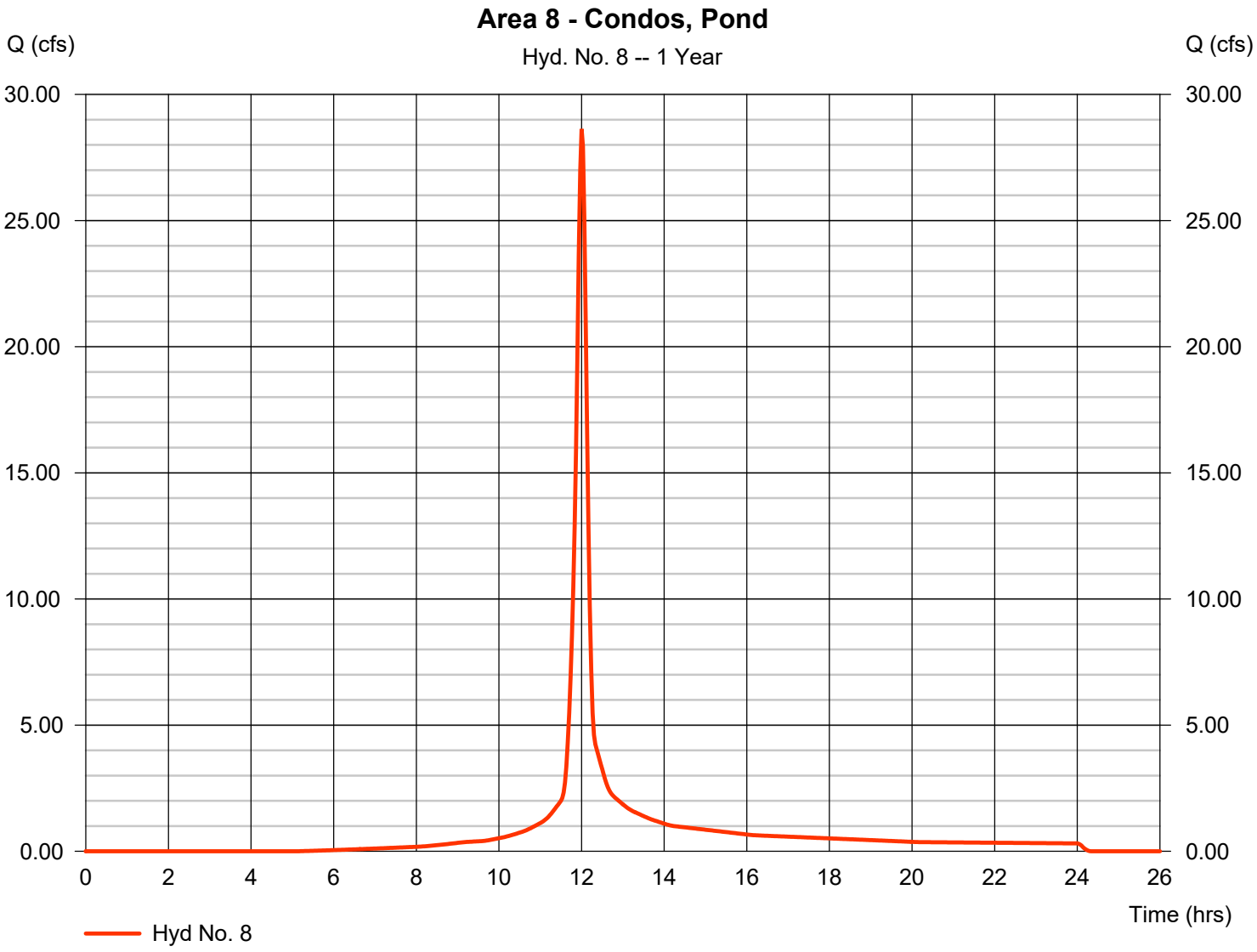
# Hydrograph Report



## Hyd. No. 8

Area 8 - Condos, Pond

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 28.63 cfs |
| Storm frequency | = 1 yrs | Time to peak | = 12.00 hrs |
| Time interval | = 2 min | Hyd. volume | = 75,714 cuft |
| Drainage area | = 12.000 ac | Curve number | = 93 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 12.60 min |
| Total precip. | = 2.40 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



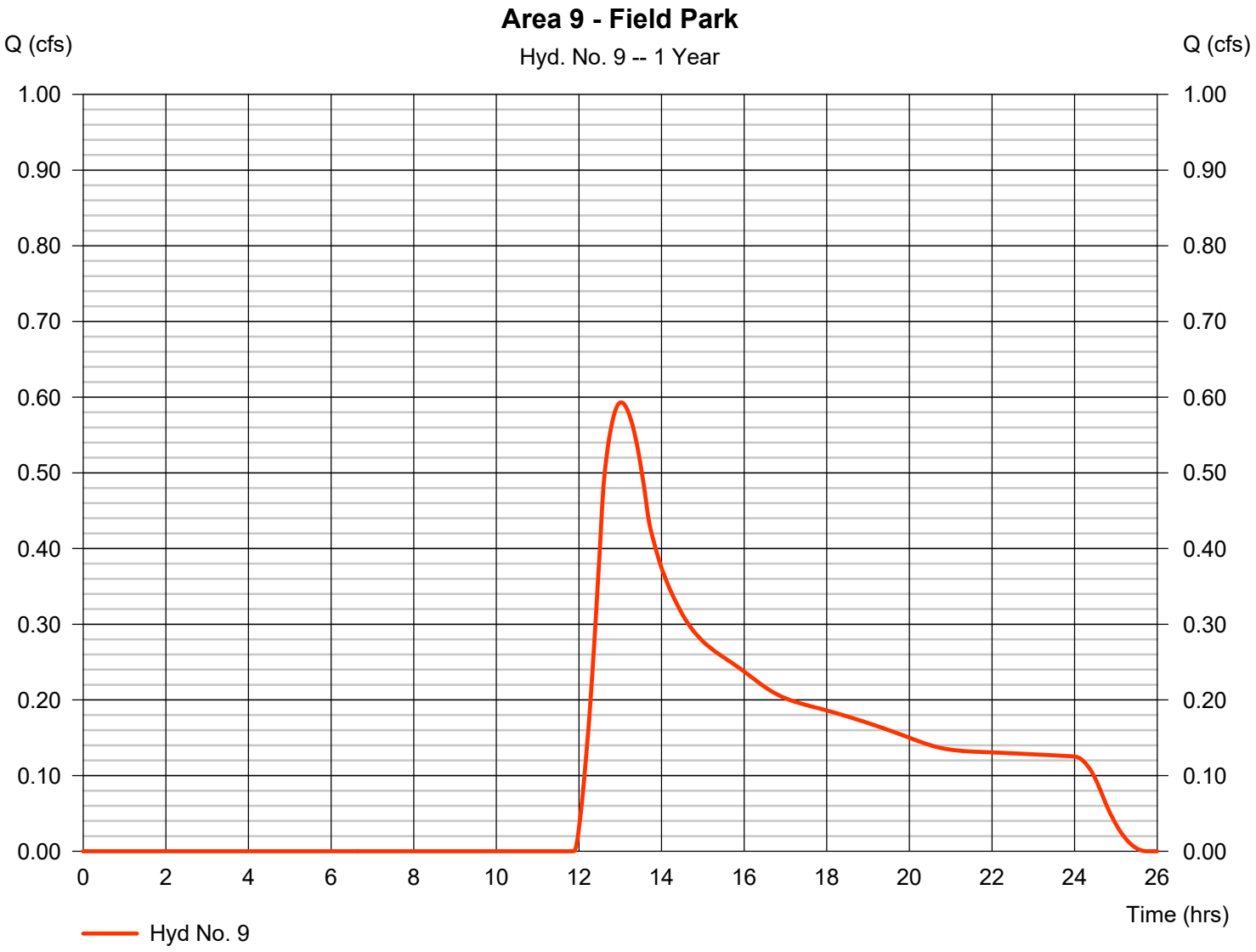
# Hydrograph Report



## Hyd. No. 9

Area 9 - Field Park

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 0.593 cfs |
| Storm frequency | = | 1 yrs | Time to peak | = | 13.03 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 10,122 cuft |
| Drainage area | = | 16.800 ac | Curve number | = | 61 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 66.30 min |
| Total precip. | = | 2.40 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



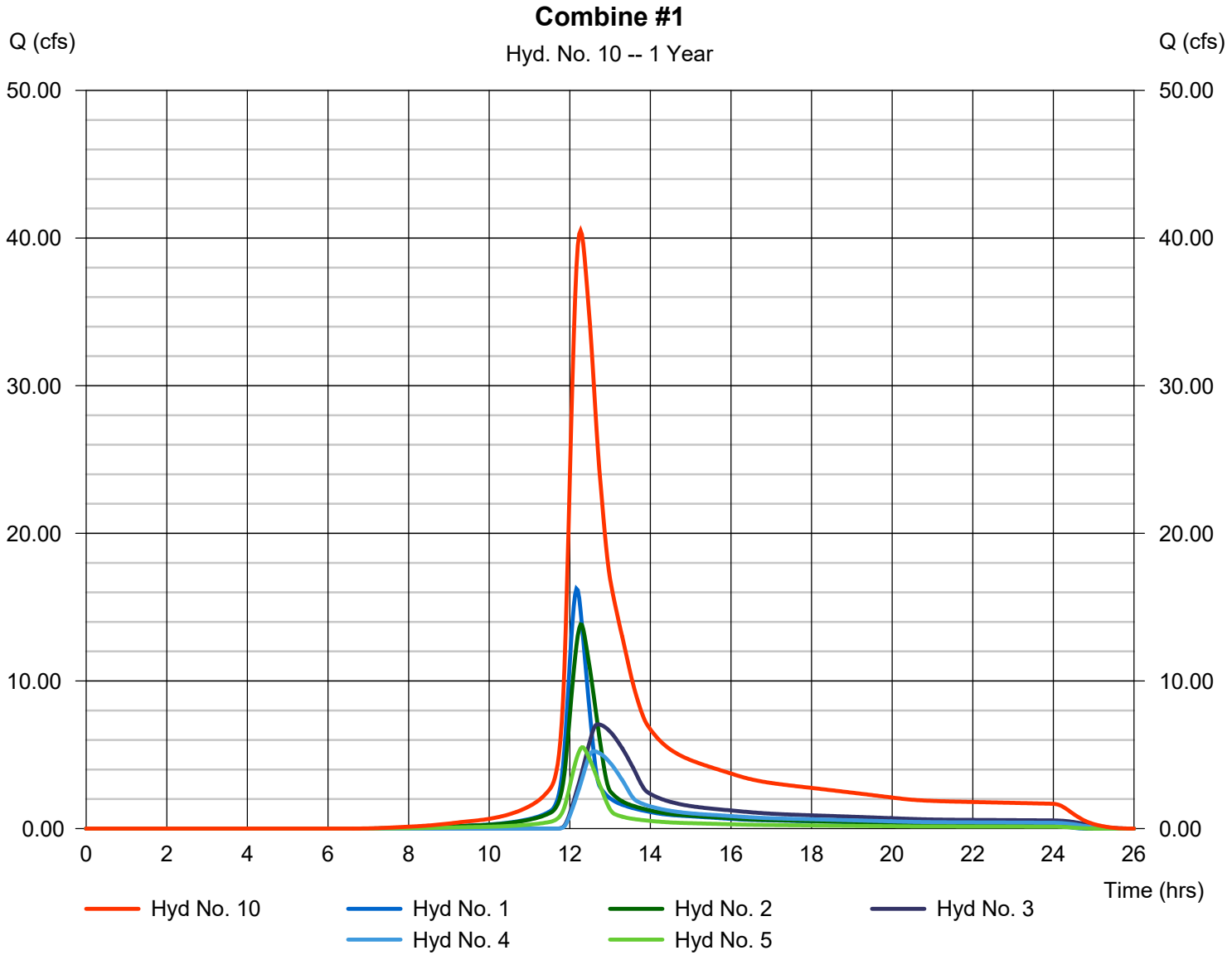
# Hydrograph Report



## Hyd. No. 10

Combine #1

| | | | |
|---|---|---|---|
| Hydrograph type | = Combine | Peak discharge | = 40.50 cfs |
| Storm frequency | = 1 yrs | Time to peak | = 12.27 hrs |
| Time interval | = 2 min | Hyd. volume | = 278,188 cuft |
| Inflow hyds. | = 1, 2, 3, 4, 5 | Contrib. drain. area | = 100.100 ac |



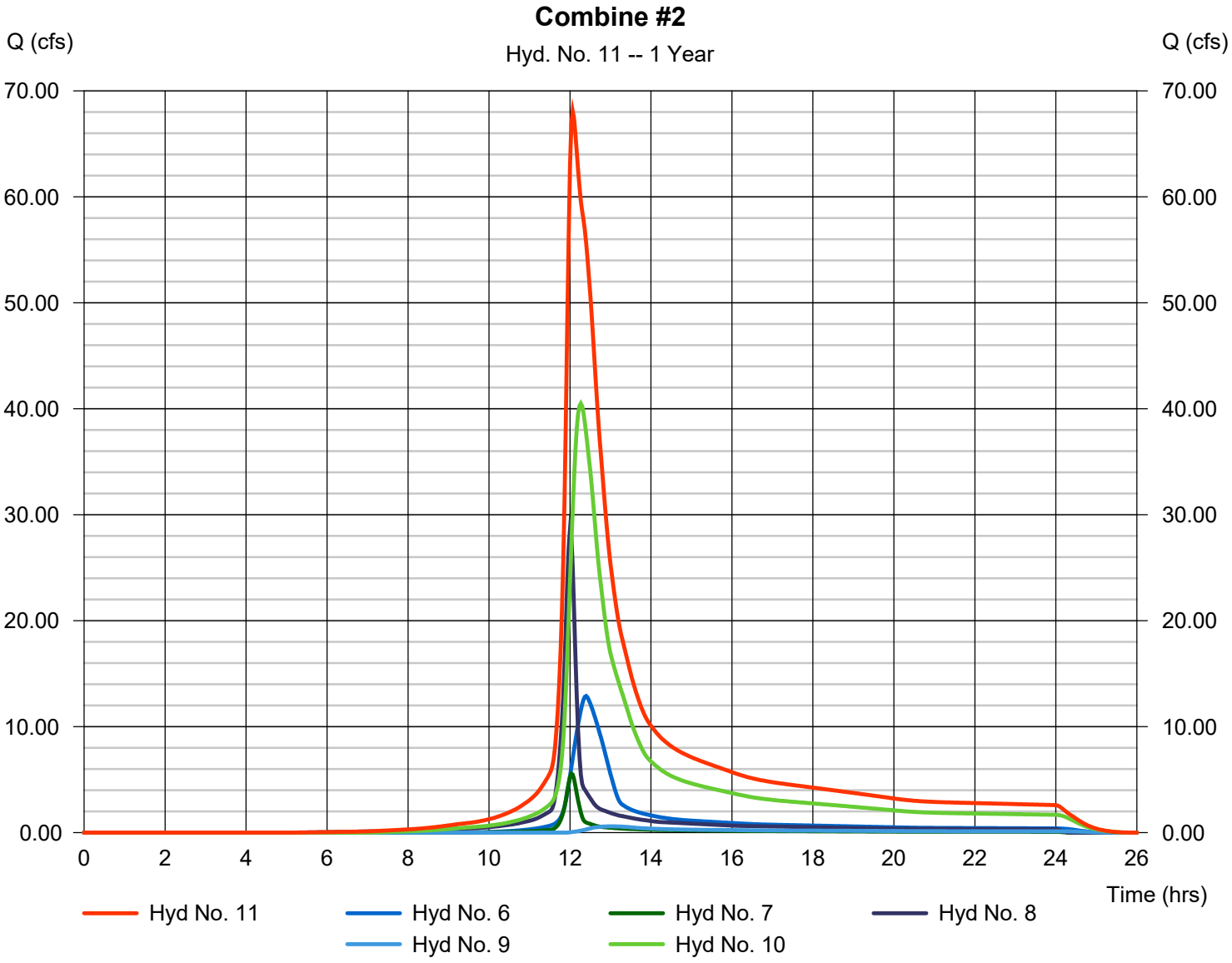
# Hydrograph Report



## Hyd. No. 11

Combine #2

| | | | |
|---|---|---|---|
| Hydrograph type | = Combine | Peak discharge | = 68.07 cfs |
| Storm frequency | = 1 yrs | Time to peak | = 12.07 hrs |
| Time interval | = 2 min | Hyd. volume | = 453,881 cuft |
| Inflow hyds. | = 6, 7, 8, 9, 10 | Contrib. drain. area | = 51.200 ac |



# Hydrograph Report

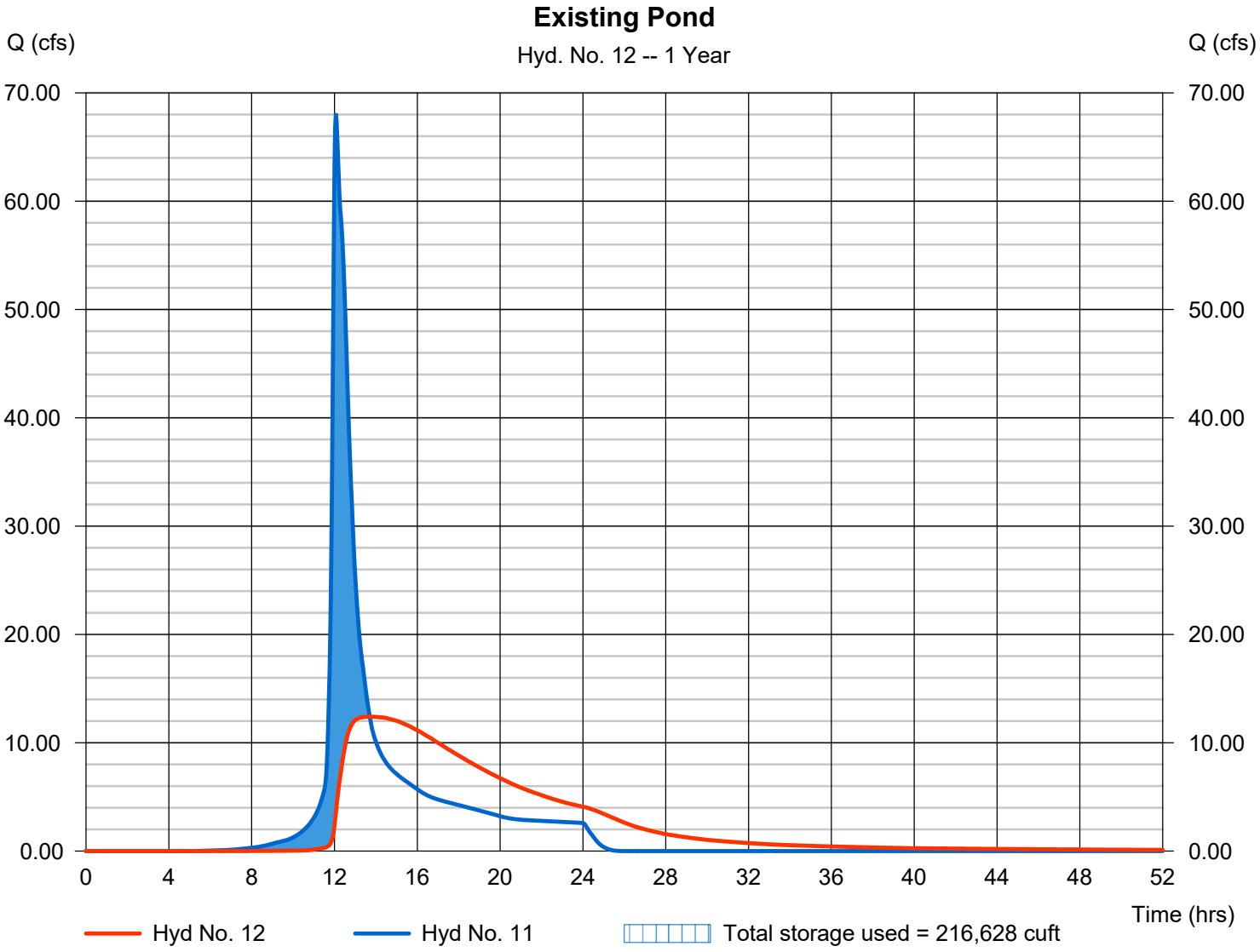


## Hyd. No. 12

Existing Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Reservoir | Peak discharge | = | 12.40 cfs |
| Storm frequency | = | 1 yrs | Time to peak | = | 13.70 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 450,234 cuft |
| Inflow hyd. No. | = | 11 - Combine #2 | Max. Elevation | = | 817.16 ft |
| Reservoir name | = | Existing Pond Condition | Max. Storage | = | 216,628 cuft |

Storage Indication method used.



# Pond Report



## Pond No. 1 - Existing Pond Condition

### Pond Data

**Contours -**User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 815.00 ft

### Stage / Storage Table

| Stage (ft) | Elevation (ft) | Contour area (sqft) | Incr. Storage (cuft) | Total storage (cuft) |
|---|---|---|---|---|
| 0.00 | 815.00 | 91,120 | 0 | 0 |
| 1.00 | 816.00 | 99,980 | 95,506 | 95,506 |
| 2.00 | 817.00 | 107,819 | 103,865 | 199,371 |
| 3.00 | 818.00 | 112,259 | 110,020 | 309,391 |
| 4.00 | 819.00 | 116,312 | 114,268 | 423,659 |
| 5.00 | 820.00 | 120,194 | 118,236 | 541,895 |
| 6.00 | 821.00 | 123,987 | 122,073 | 663,969 |
| 7.00 | 822.00 | 127,121 | 125,538 | 789,507 |

### Culvert / Orifice Structures

| | [A] | [B] | [C] | [PrfRsr] |
|---|---|---|---|---|
| **Rise (in)** | = 27.00 | 0.00 | 0.00 | 0.00 |
| **Span (in)** | = 27.00 | 0.00 | 0.00 | 0.00 |
| **No. Barrels** | = 1 | 0 | 0 | 0 |
| **Invert El. (ft)** | = 815.00 | 0.00 | 0.00 | 0.00 |
| **Length (ft)** | = 65.00 | 0.00 | 0.00 | 0.00 |
| **Slope (%)** | = 0.50 | 0.00 | 0.00 | n/a |
| **N-Value** | = .013 | .013 | .013 | n/a |
| **Orifice Coeff.** | = 0.60 | 0.60 | 0.60 | 0.60 |
| **Multi-Stage** | = n/a | No | No | No |

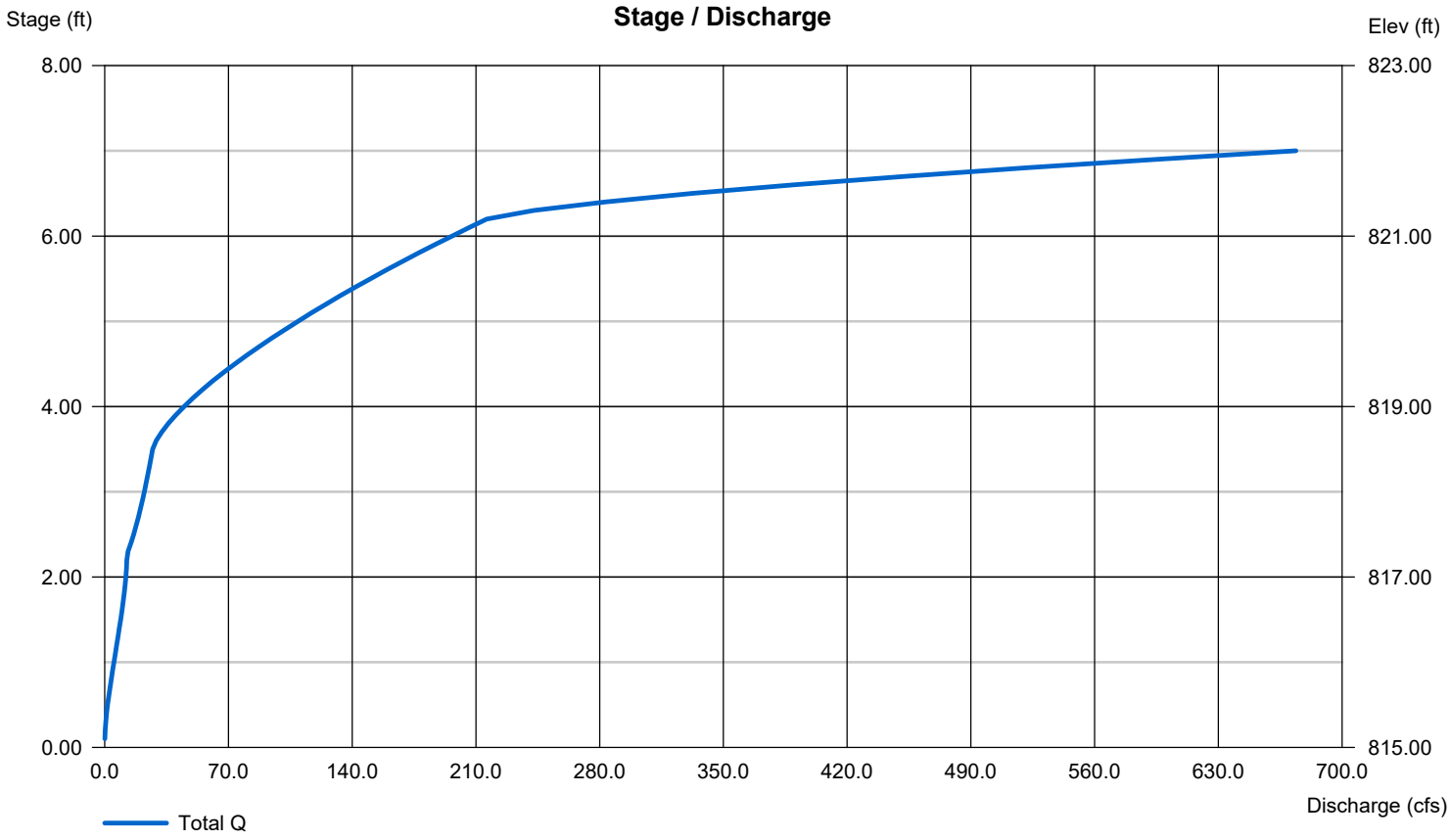
### Weir Structures

| | [A] | [B] | [C] | [D] |
|---|---|---|---|---|
| **Crest Len (ft)** | = 15.00 | 200.00 | 0.00 | 0.00 |
| **Crest El. (ft)** | = 818.50 | 821.20 | 0.00 | 0.00 |
| **Weir Coeff.** | = 2.60 | 2.60 | 3.33 | 3.33 |
| **Weir Type** | = Broad | Broad | --- | --- |
| **Multi-Stage** | = No | No | No | No |

**Exfil.(in/hr)** = 0.000 (by Contour)

**TW Elev. (ft)** = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



# Hydrograph Report

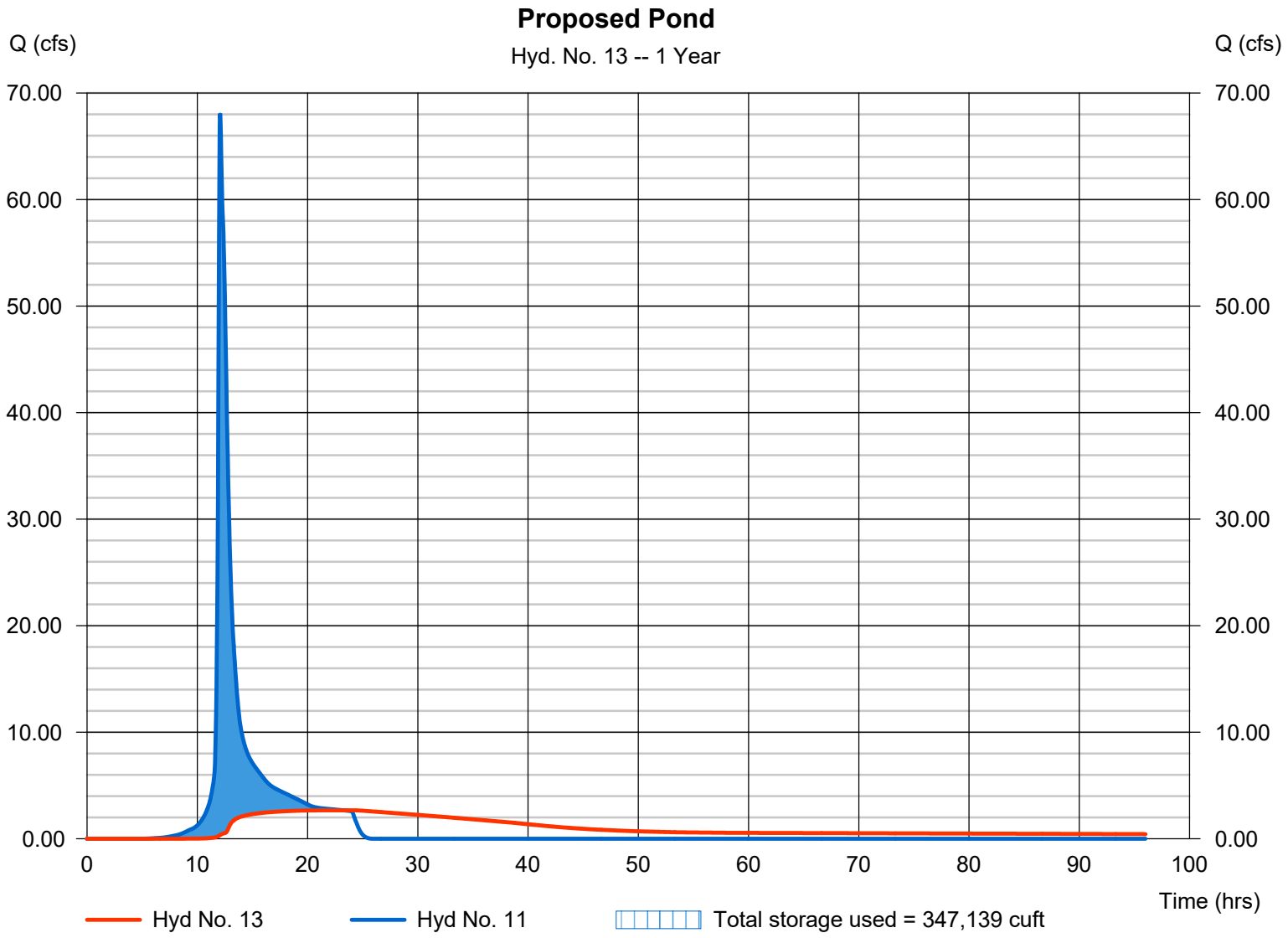


## Hyd. No. 13

Proposed Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Reservoir | Peak discharge | = | 2.670 cfs |
| Storm frequency | = | 1 yrs | Time to peak | = | 23.23 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 340,769 cuft |
| Inflow hyd. No. | = | 11 - Combine #2 | Max. Elevation | = | 818.65 ft |
| Reservoir name | = | Proposed Pond Condition | Max. Storage | = | 347,139 cuft |

Storage Indication method used.



# Pond Report



## Pond No. 2 - Proposed Pond Condition

### Pond Data

**Contours -**User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 815.00 ft

### Stage / Storage Table

| Stage (ft) | Elevation (ft) | Contour area (sqft) | Incr. Storage (cuft) | Total storage (cuft) |
|---|---|---|---|---|
| 0.00 | 815.00 | 82,415 | 0 | 0 |
| 1.00 | 816.00 | 90,537 | 86,436 | 86,436 |
| 2.00 | 817.00 | 97,383 | 93,930 | 180,365 |
| 3.00 | 818.00 | 101,478 | 99,414 | 279,779 |
| 4.00 | 819.00 | 105,313 | 103,379 | 383,158 |
| 5.00 | 820.00 | 109,031 | 107,156 | 490,314 |
| 6.00 | 821.00 | 112,700 | 110,849 | 601,163 |
| 7.00 | 822.00 | 116,315 | 114,491 | 715,655 |
| 8.00 | 823.00 | 119,944 | 118,113 | 833,768 |
| 9.00 | 824.00 | 123,584 | 121,747 | 955,515 |

### Culvert / Orifice Structures

| | [A] | [B] | [C] | [PrfRsr] |
|---|---|---|---|---|
| **Rise (in)** | = 48.00 | 4.00 | 8.00 | 0.00 |
| **Span (in)** | = 48.00 | 4.00 | 8.00 | 0.00 |
| **No. Barrels** | = 1 | 1 | 1 | 0 |
| **Invert El. (ft)** | = 815.00 | 815.00 | 817.00 | 0.00 |
| **Length (ft)** | = 96.00 | 0.00 | 0.00 | 0.00 |
| **Slope (%)** | = 0.72 | 0.00 | 0.00 | n/a |
| **N-Value** | = .013 | .013 | .013 | n/a |
| **Orifice Coeff.** | = 0.60 | 0.60 | 0.60 | 0.60 |
| **Multi-Stage** | = n/a | Yes | Yes | No |

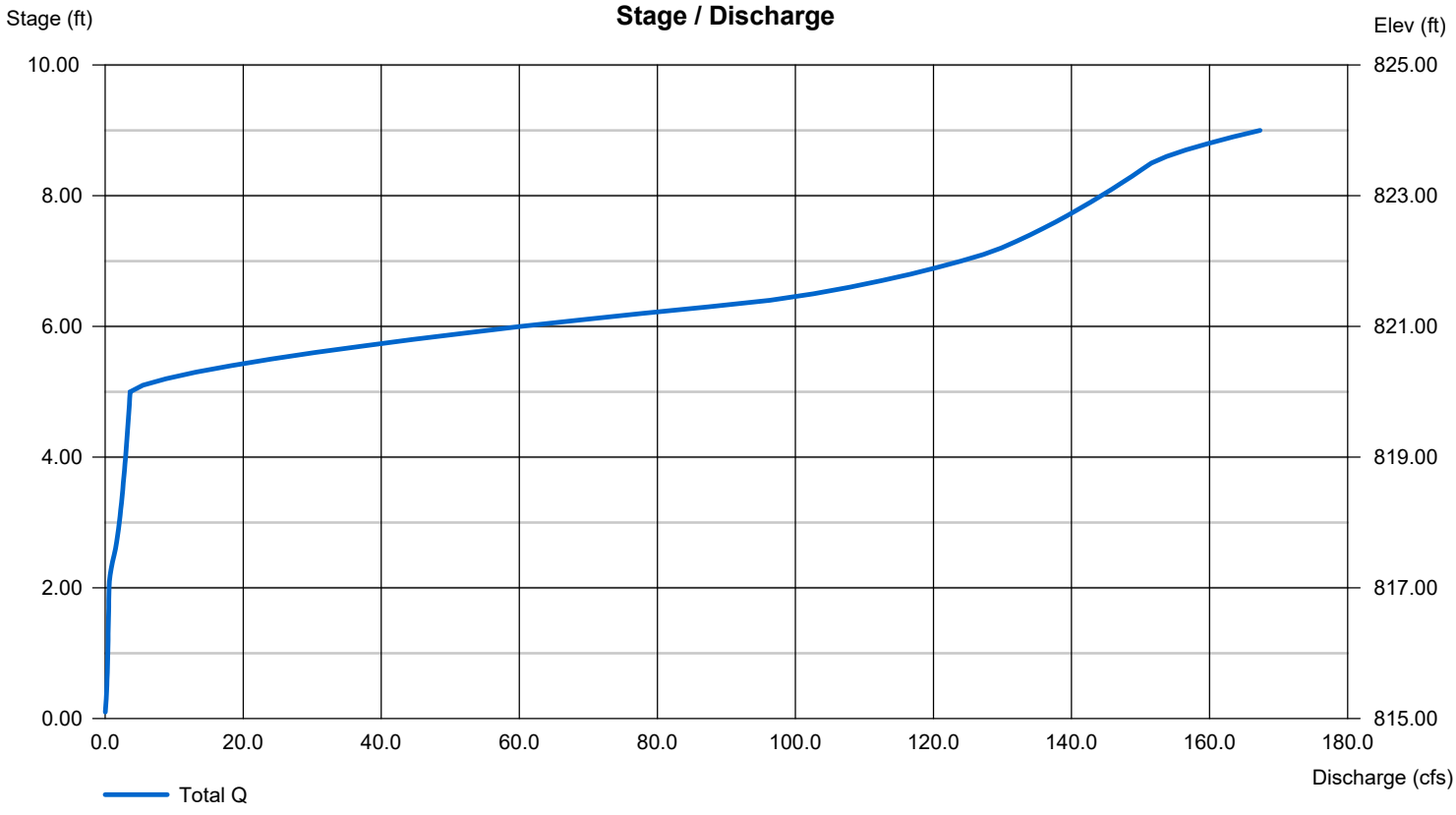
### Weir Structures

| | [A] | [B] | [C] | [D] |
|---|---|---|---|---|
| **Crest Len (ft)** | = 21.99 | 10.00 | 0.00 | 0.00 |
| **Crest El. (ft)** | = 820.00 | 823.50 | 0.00 | 0.00 |
| **Weir Coeff.** | = 2.60 | 2.60 | 3.33 | 3.33 |
| **Weir Type** | = 1 | Broad | --- | --- |
| **Multi-Stage** | = Yes | No | No | No |

**Exfil.(in/hr)** = 0.000 (by Contour)

**TW Elev. (ft)** = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020

| Hyd. No. | Hydrograph type (origin) | Peak flow (cfs) | Time interval (min) | Time to Peak (min) | Hyd. volume (cuft) | Inflow hyd(s) | Maximum elevation (ft) | Total strge used (cuft) | Hydrograph Description |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SCS Runoff | 19.25 | 2 | 730 | 77,000 | ------ | ------ | ------ | Area 1 - STH 83 |
| 2 | SCS Runoff | 16.40 | 2 | 736 | 79,484 | ------ | ------ | ------ | Area 2 - Res./Condo |
| 3 | SCS Runoff | 10.11 | 2 | 760 | 92,849 | ------ | ------ | ------ | Area 3 - Med. Dens. Res. |
| 4 | SCS Runoff | 7.646 | 2 | 754 | 64,698 | ------ | ------ | ------ | Area 4 - School |
| 5 | SCS Runoff | 6.489 | 2 | 738 | 33,520 | ------ | ------ | ------ | Area 5 - Industrial |
| 6 | SCS Runoff | 15.84 | 2 | 744 | 90,456 | ------ | ------ | ------ | Area 6 - Commercial |
| 7 | SCS Runoff | 6.757 | 2 | 722 | 18,945 | ------ | ------ | ------ | Area 7 - CTH NN |
| 8 | SCS Runoff | 33.21 | 2 | 720 | 88,420 | ------ | ------ | ------ | Area 8 - Condos, Pond |
| 9 | SCS Runoff | 1.143 | 2 | 772 | 15,665 | ------ | ------ | ------ | Area 9 - Field Park |
| 10 | Combine | 50.14 | 2 | 736 | 347,551 | 1, 2, 3, 4, 5, | ------ | ------ | Combine #1 |
| 11 | Combine | 82.14 | 2 | 724 | 561,038 | 6, 7, 8, 9, 10 | ------ | ------ | Combine #2 |
| 12 | Reservoir | 17.90 | 2 | 812 | 557,318 | 11 | 817.61 | 266,802 | Existing Pond |
| 13 | Reservoir | 3.245 | 2 | 1366 | 435,796 | 11 | 819.42 | 427,772 | Proposed Pond |

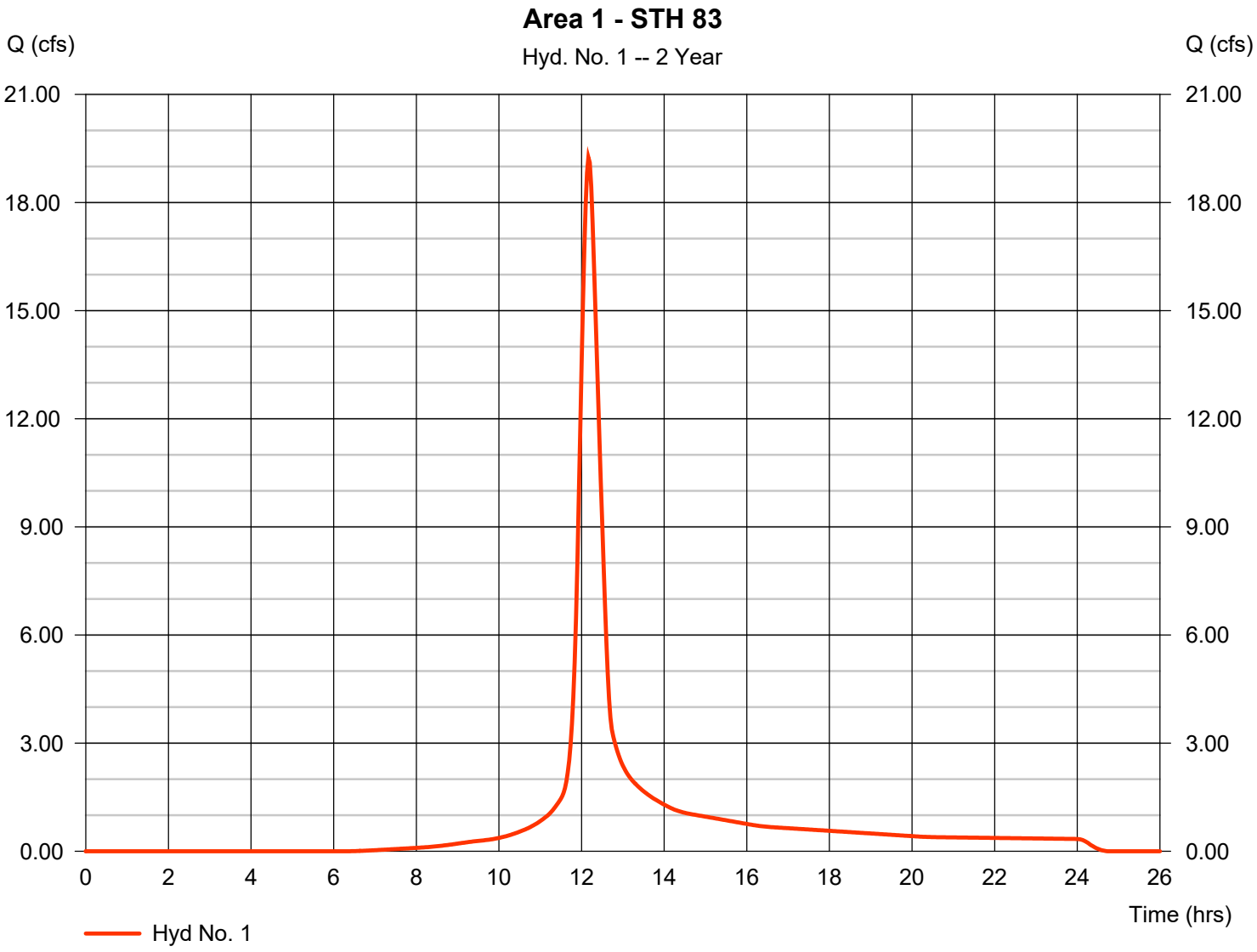
# Hydrograph Report



## Hyd. No. 1

Area 1 - STH 83

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 19.25 cfs |
| Storm frequency | = 2 yrs | Time to peak | = 12.17 hrs |
| Time interval | = 2 min | Hyd. volume | = 77,000 cuft |
| Drainage area | = 12.400 ac | Curve number | = 90 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 27.00 min |
| Total precip. | = 2.70 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



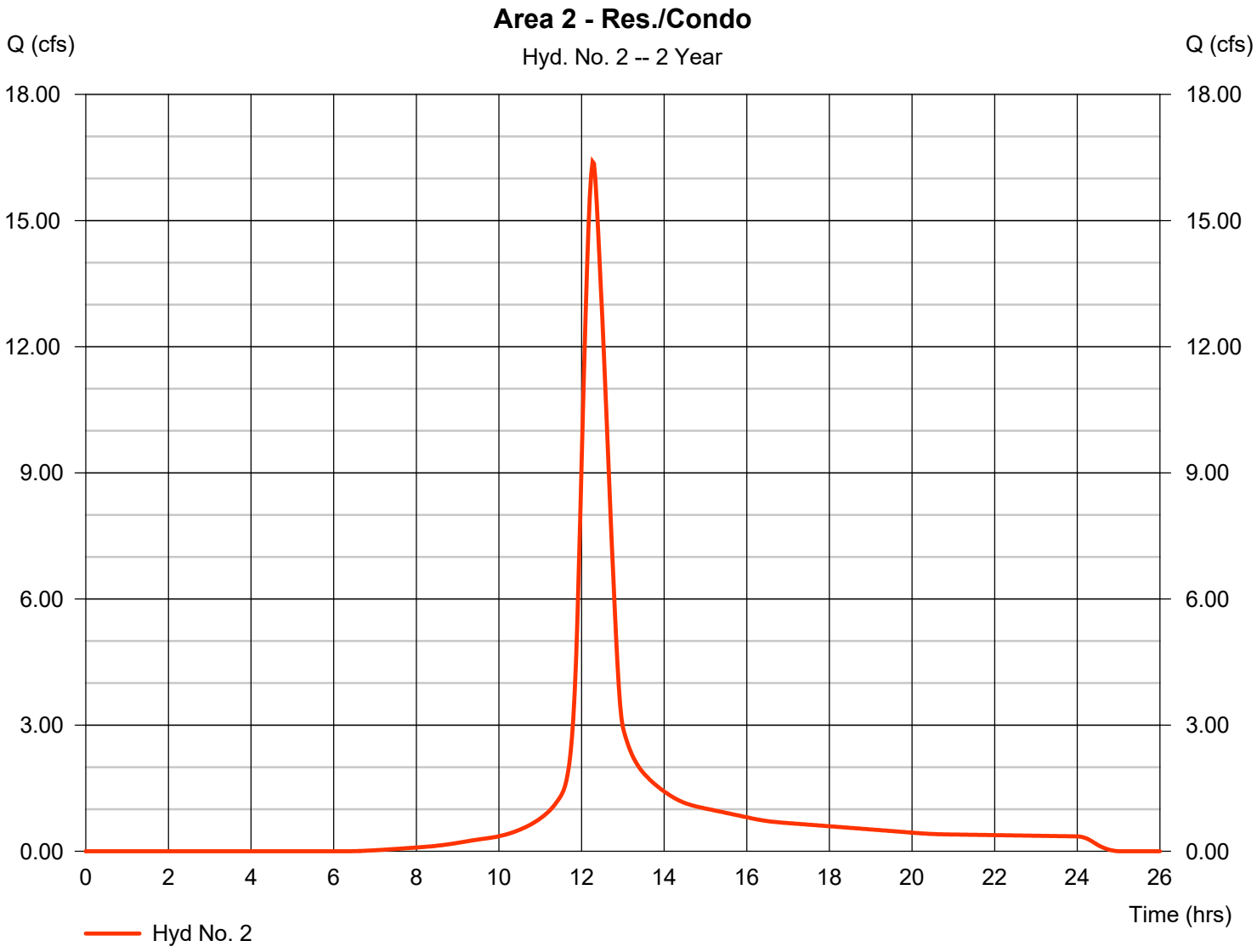
# Hydrograph Report



## Hyd. No. 2

Area 2 - Res./Condo

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 16.40 cfs |
| Storm frequency | = 2 yrs | Time to peak | = 12.27 hrs |
| Time interval | = 2 min | Hyd. volume | = 79,484 cuft |
| Drainage area | = 12.800 ac | Curve number | = 90 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 40.10 min |
| Total precip. | = 2.70 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



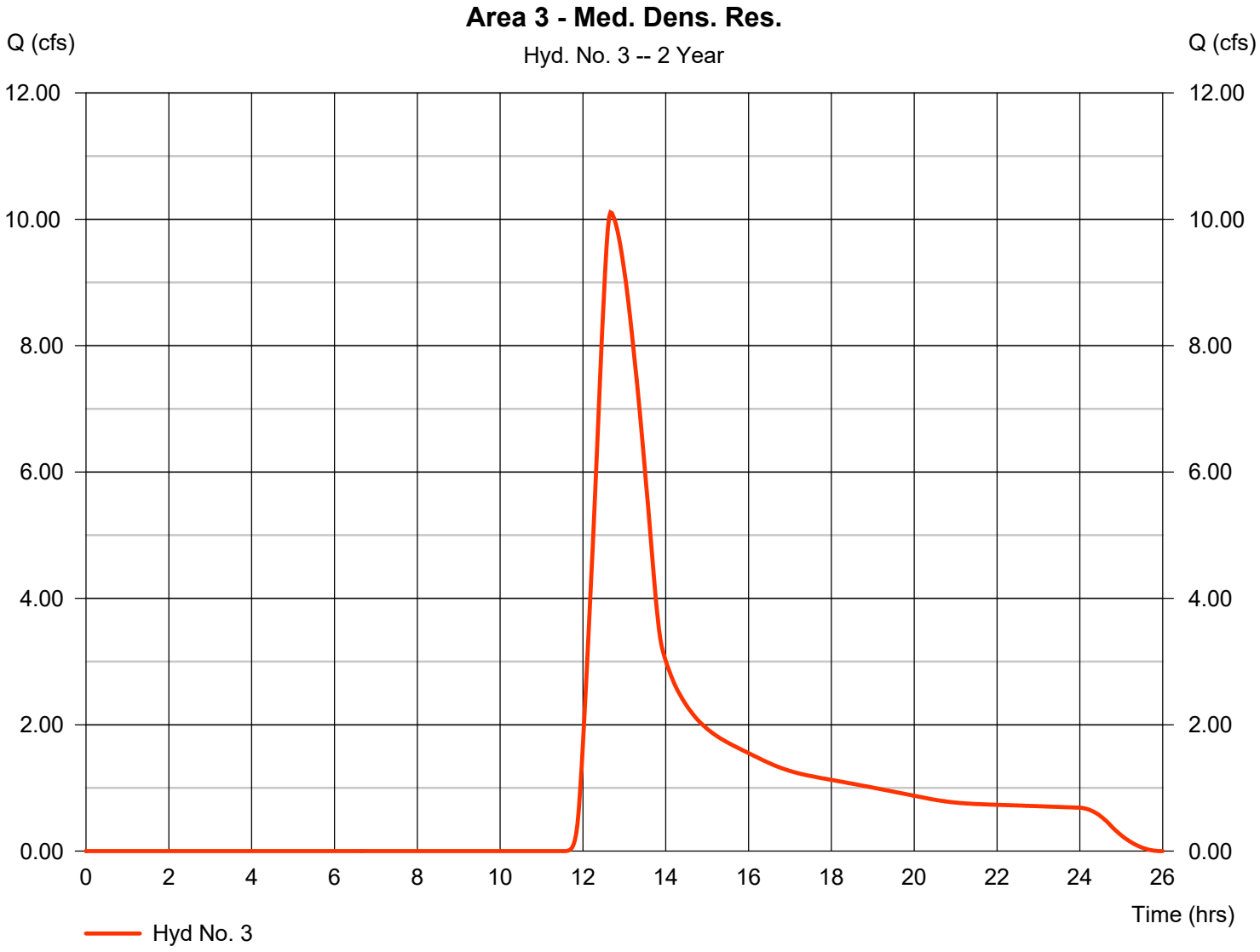
# Hydrograph Report



## Hyd. No. 3

Area 3 - Med. Dens. Res.

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 10.11 cfs |
| Storm frequency | = 2 yrs | Time to peak | = 12.67 hrs |
| Time interval | = 2 min | Hyd. volume | = 92,849 cuft |
| Drainage area | = 40.000 ac | Curve number | = 72 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 71.40 min |
| Total precip. | = 2.70 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



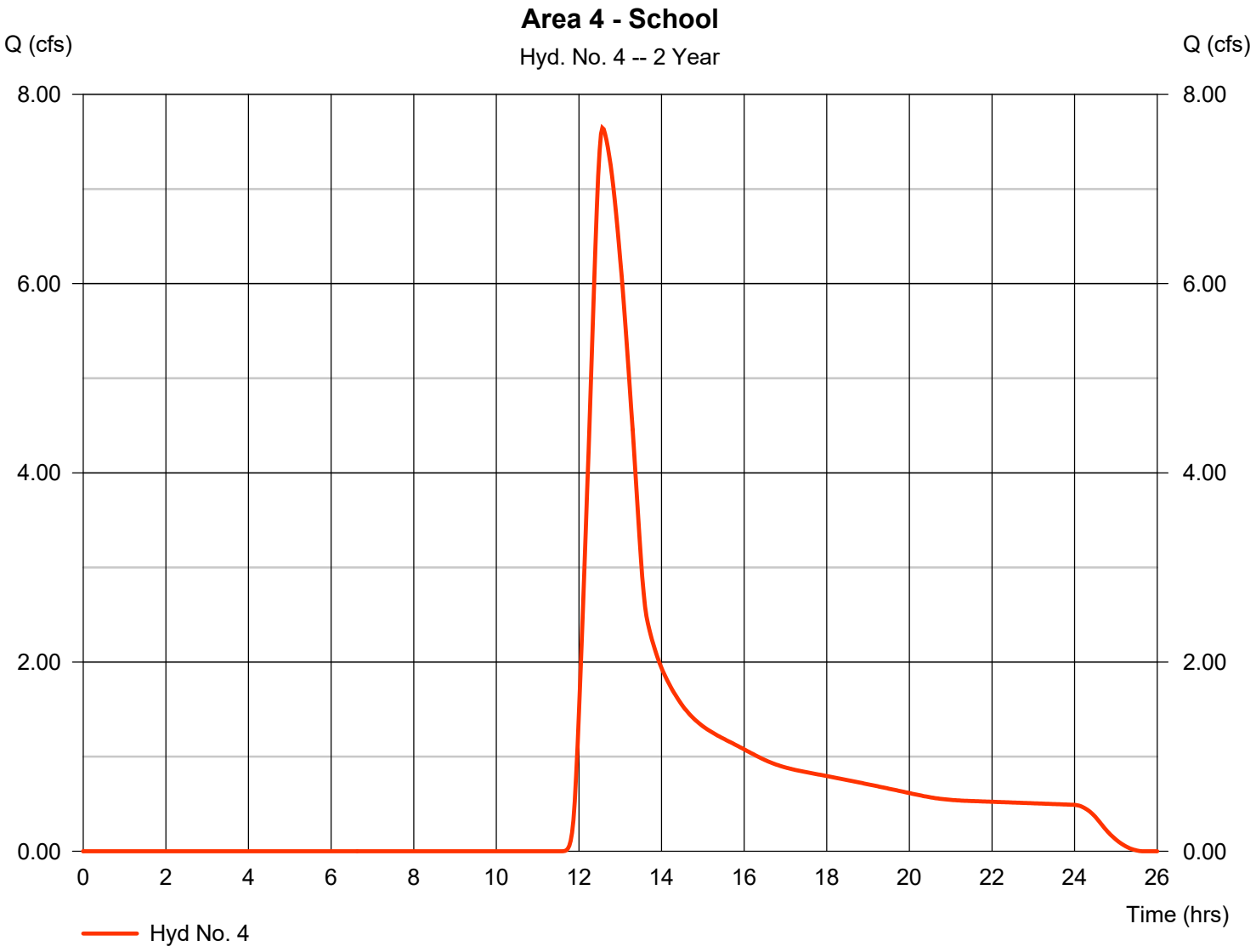
# Hydrograph Report



## Hyd. No. 4

Area 4 - School

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 7.646 cfs |
| Storm frequency | = | 2 yrs | Time to peak | = | 12.57 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 64,698 cuft |
| Drainage area | = | 29.800 ac | Curve number | = | 71 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 62.80 min |
| Total precip. | = | 2.70 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



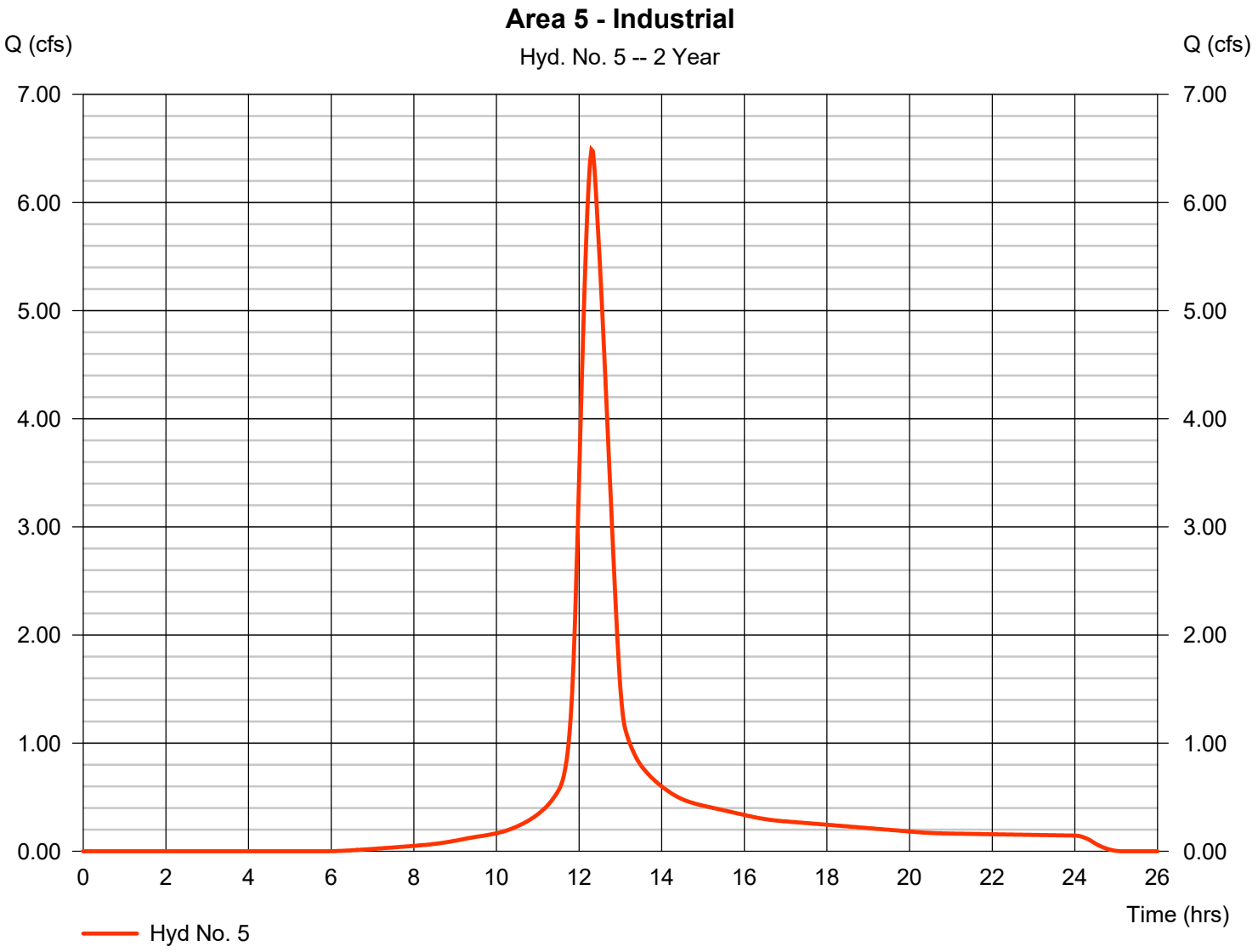
# Hydrograph Report



## Hyd. No. 5

Area 5 - Industrial

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 6.489 cfs |
| Storm frequency | = 2 yrs | Time to peak | = 12.30 hrs |
| Time interval | = 2 min | Hyd. volume | = 33,520 cuft |
| Drainage area | = 5.100 ac | Curve number | = 91 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 41.90 min |
| Total precip. | = 2.70 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



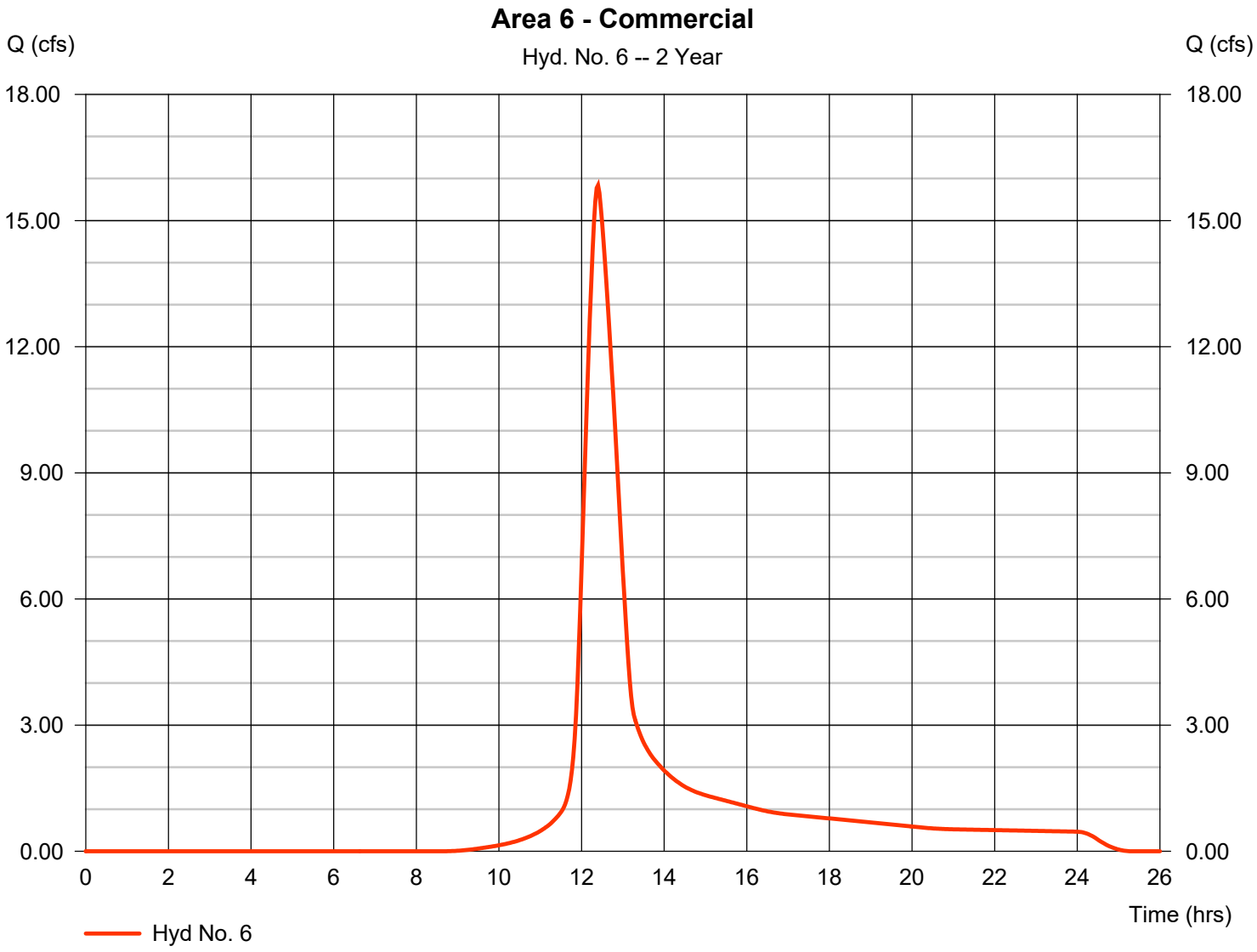
# Hydrograph Report



## Hyd. No. 6

Area 6 - Commercial

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 15.84 cfs |
| Storm frequency | = 2 yrs | Time to peak | = 12.40 hrs |
| Time interval | = 2 min | Hyd. volume | = 90,456 cuft |
| Drainage area | = 18.600 ac | Curve number | = 85 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 48.80 min |
| Total precip. | = 2.70 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



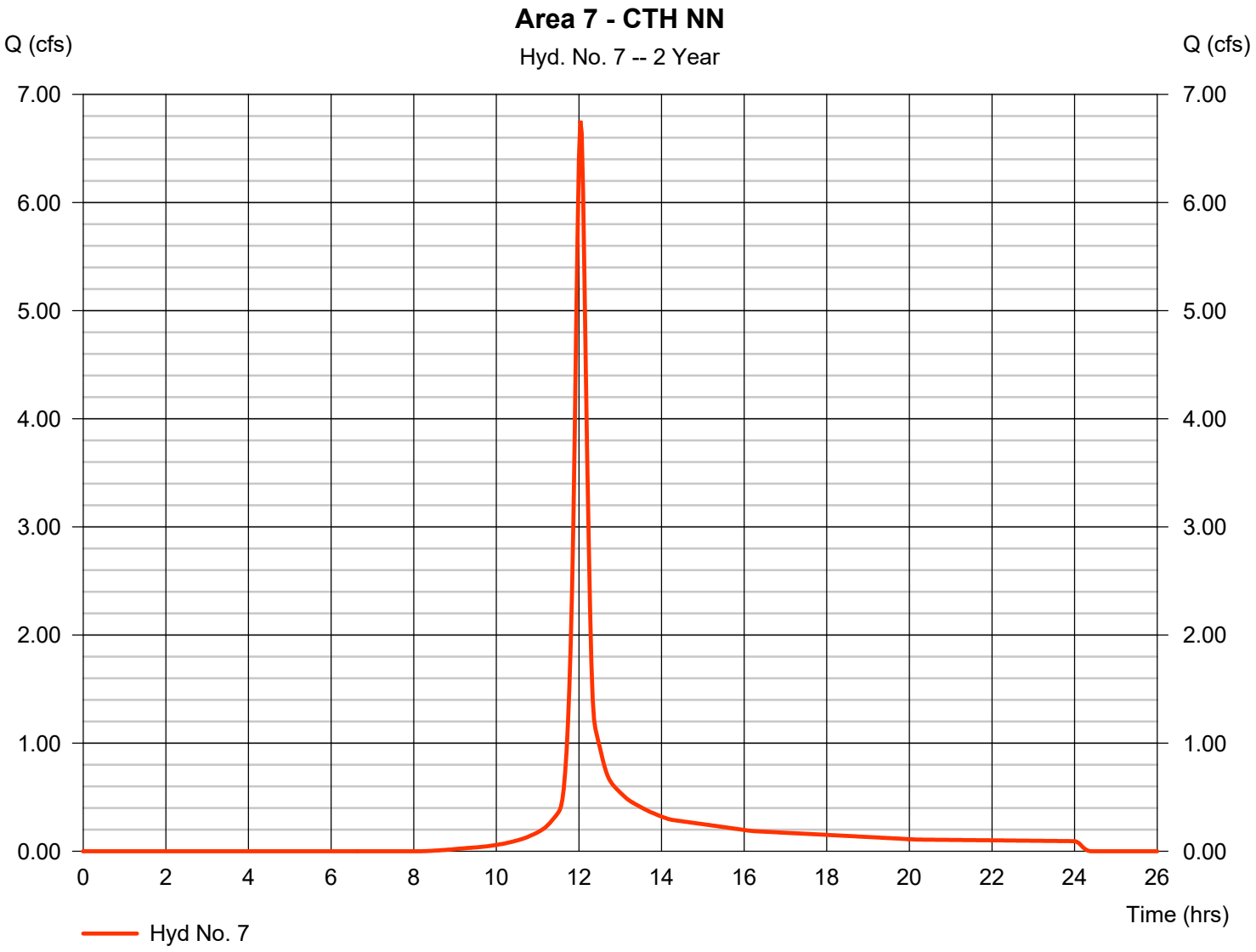
# Hydrograph Report



## Hyd. No. 7

Area 7 - CTH NN

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 6.757 cfs |
| Storm frequency | = | 2 yrs | Time to peak | = | 12.03 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 18,945 cuft |
| Drainage area | = | 3.800 ac | Curve number | = | 86 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 14.70 min |
| Total precip. | = | 2.70 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



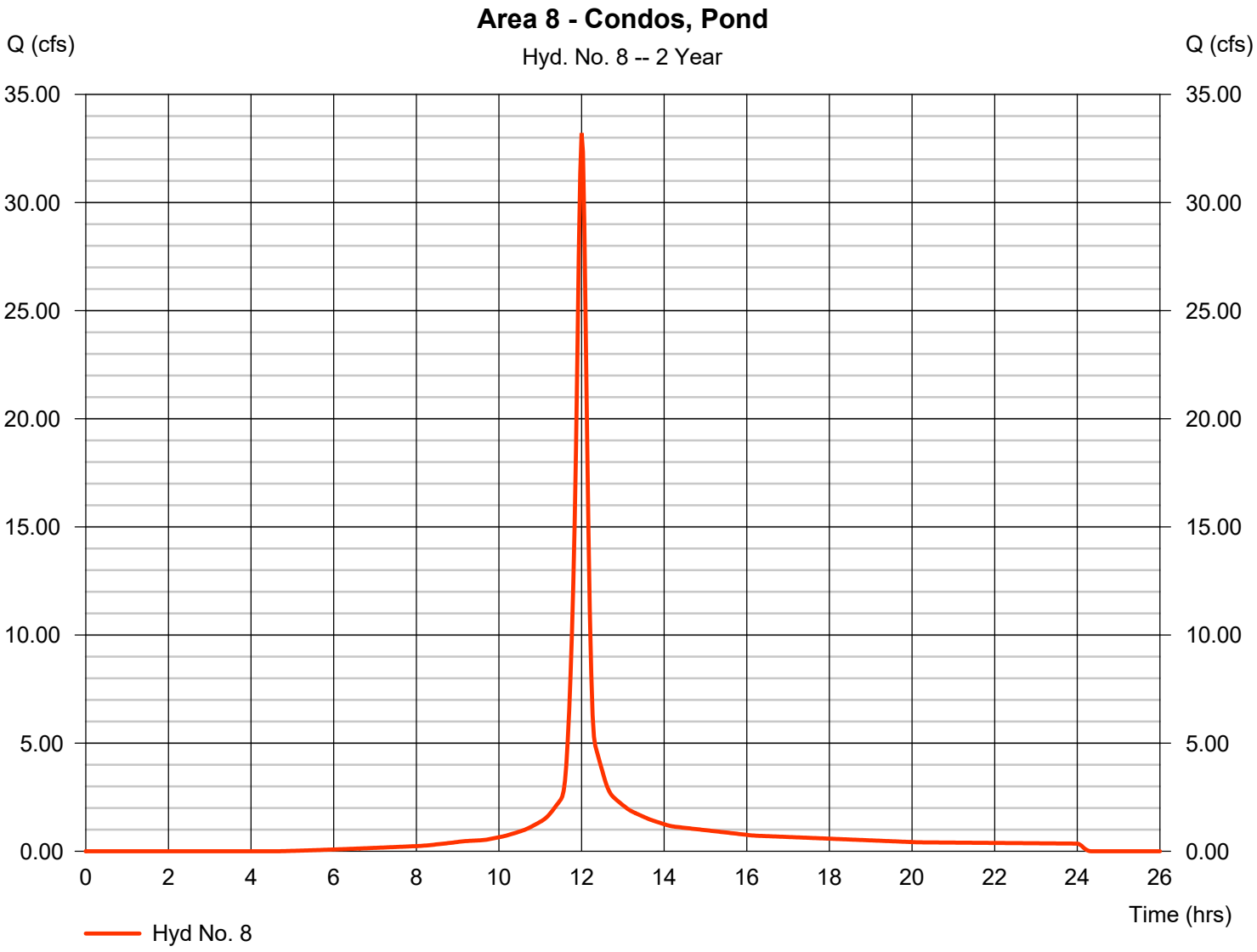
# Hydrograph Report



## Hyd. No. 8

Area 8 - Condos, Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 33.21 cfs |
| Storm frequency | = | 2 yrs | Time to peak | = | 12.00 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 88,420 cuft |
| Drainage area | = | 12.000 ac | Curve number | = | 93 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 12.60 min |
| Total precip. | = | 2.70 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



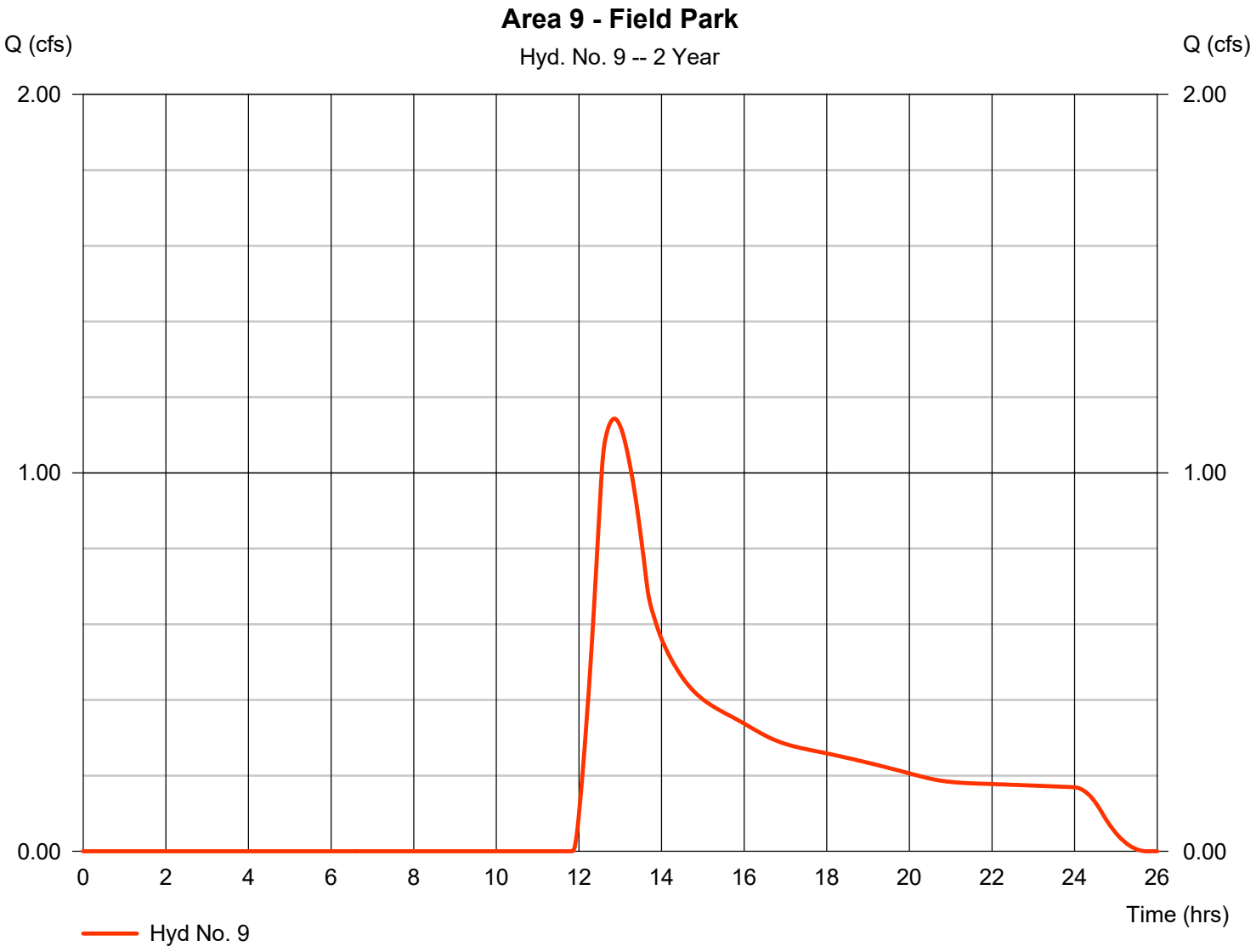
# Hydrograph Report



## Hyd. No. 9

Area 9 - Field Park

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 1.143 cfs |
| Storm frequency | = 2 yrs | Time to peak | = 12.87 hrs |
| Time interval | = 2 min | Hyd. volume | = 15,665 cuft |
| Drainage area | = 16.800 ac | Curve number | = 61 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 66.30 min |
| Total precip. | = 2.70 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



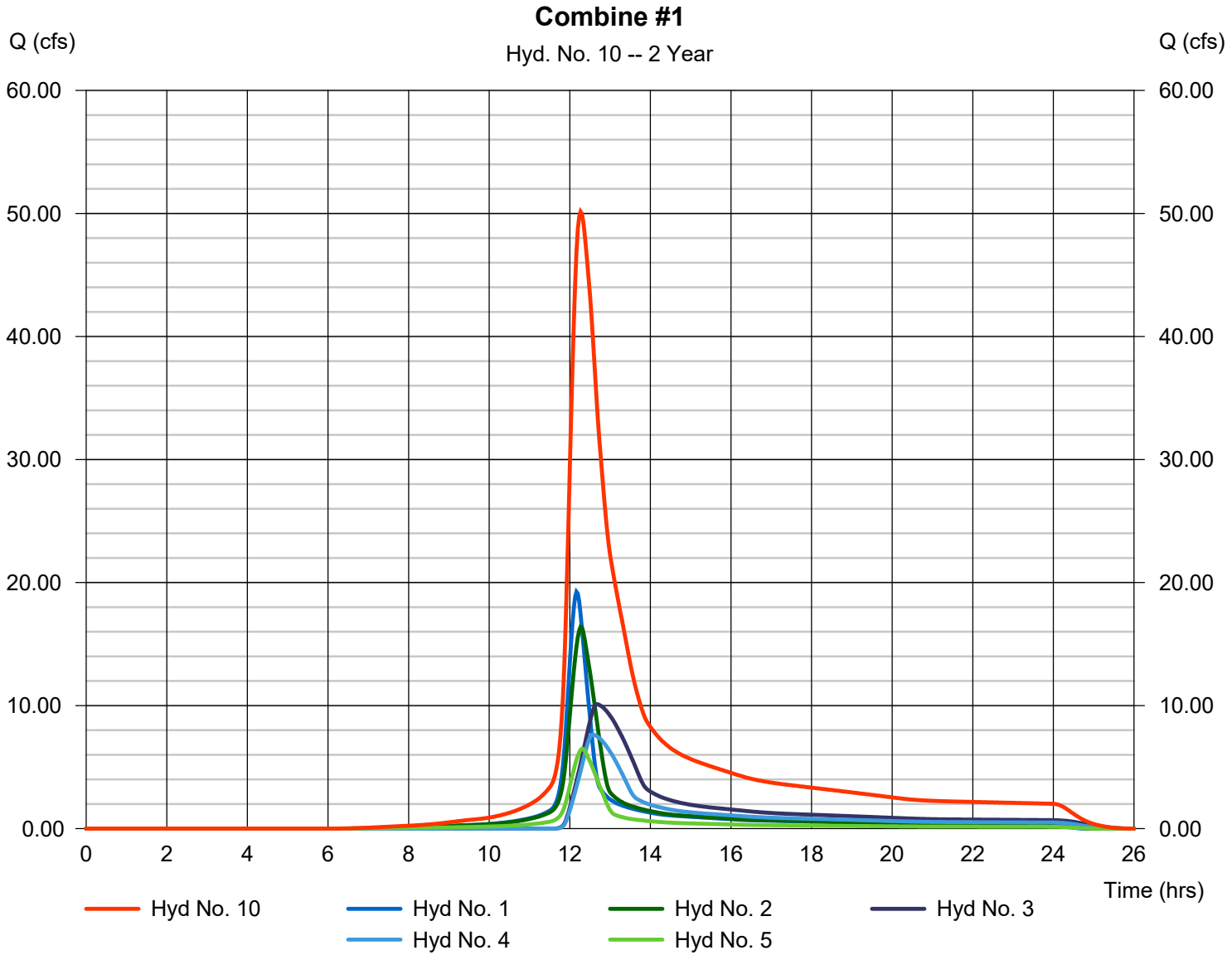
# Hydrograph Report



## Hyd. No. 10

Combine #1

| | | | |
|---|---|---|---|
| Hydrograph type | = Combine | Peak discharge | = 50.14 cfs |
| Storm frequency | = 2 yrs | Time to peak | = 12.27 hrs |
| Time interval | = 2 min | Hyd. volume | = 347,551 cuft |
| Inflow hyds. | = 1, 2, 3, 4, 5 | Contrib. drain. area | = 100.100 ac |



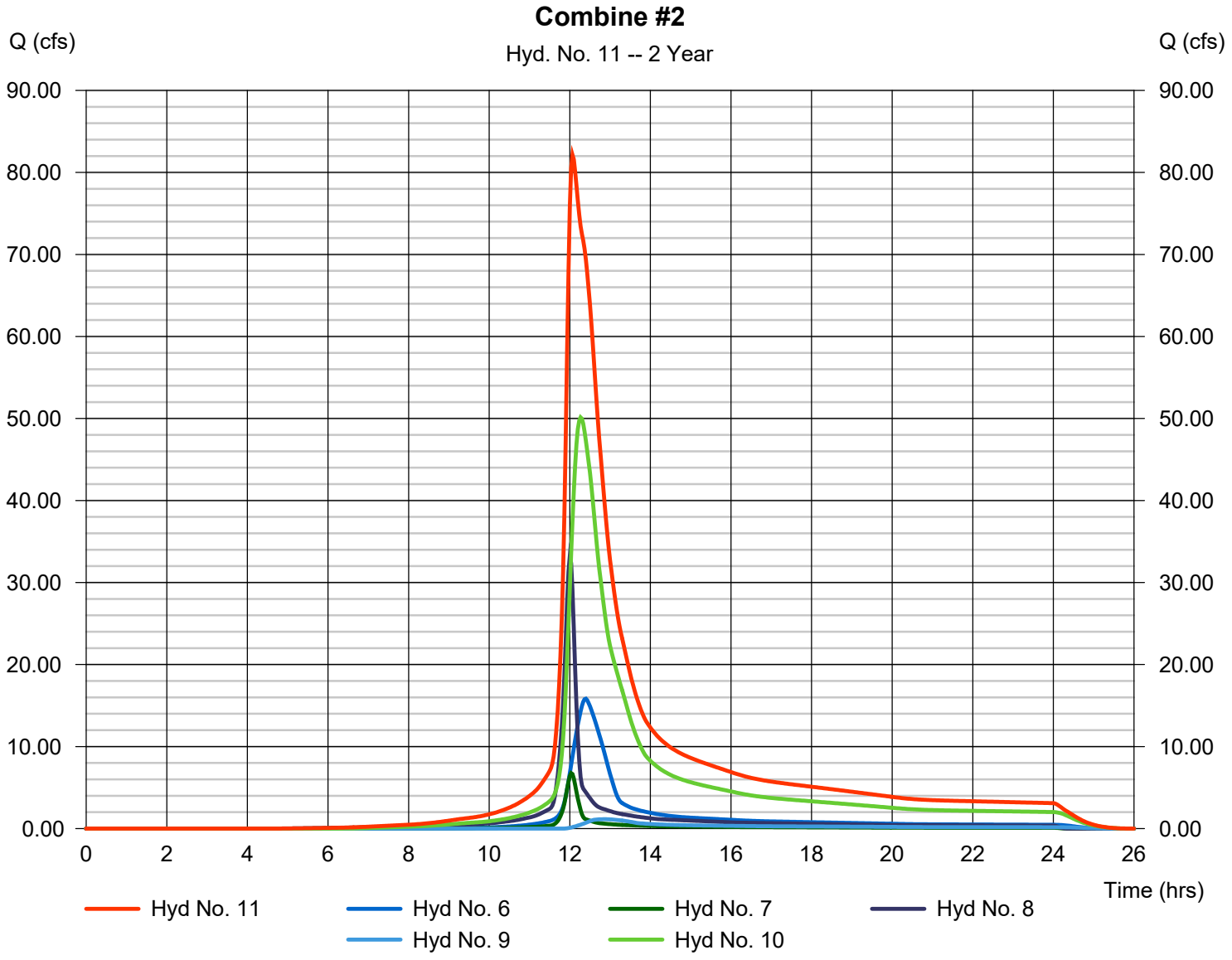
# Hydrograph Report



## Hyd. No. 11

Combine #2

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Combine | Peak discharge | = | 82.14 cfs |
| Storm frequency | = | 2 yrs | Time to peak | = | 12.07 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 561,038 cuft |
| Inflow hyds. | = | 6, 7, 8, 9, 10 | Contrib. drain. area | = | 51.200 ac |



# Hydrograph Report

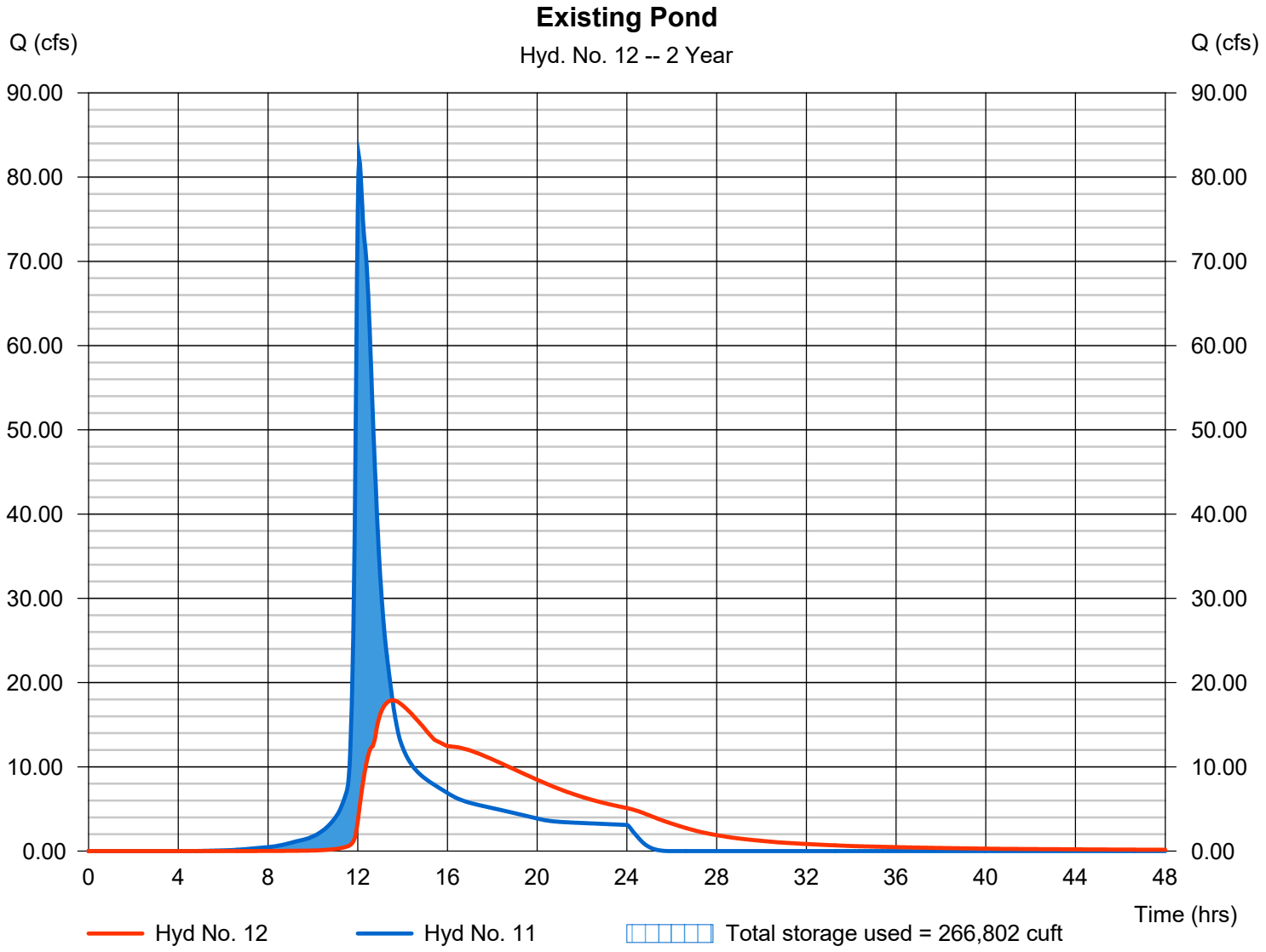


## Hyd. No. 12

Existing Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Reservoir | Peak discharge | = | 17.90 cfs |
| Storm frequency | = | 2 yrs | Time to peak | = | 13.53 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 557,318 cuft |
| Inflow hyd. No. | = | 11 - Combine #2 | Max. Elevation | = | 817.61 ft |
| Reservoir name | = | Existing Pond Condition | Max. Storage | = | 266,802 cuft |

Storage Indication method used.



# Hydrograph Report

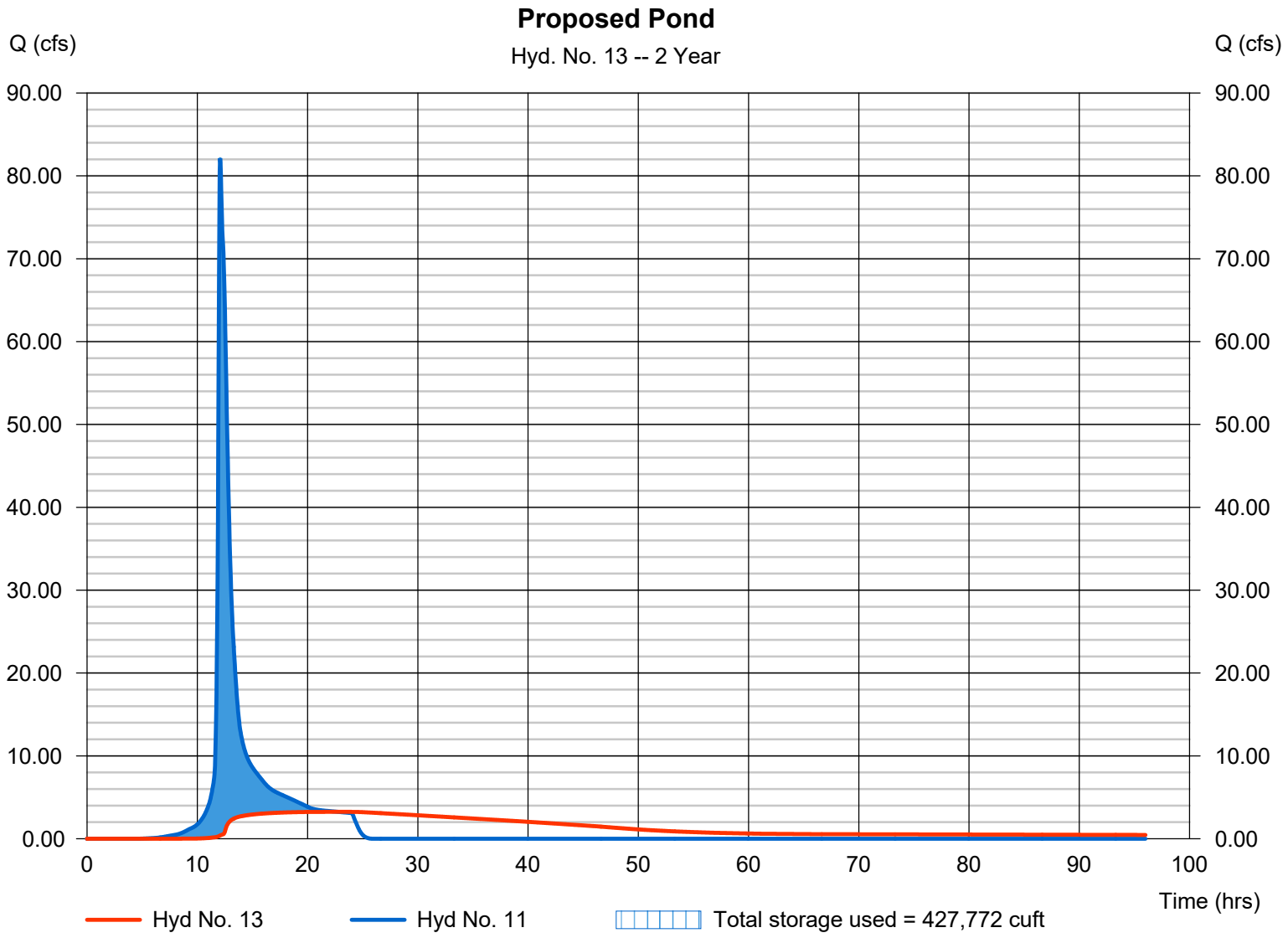
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020 Wednesday, 03 / 13 / 2019

## Hyd. No. 13

Proposed Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Reservoir | Peak discharge | = | 3.245 cfs |
| Storm frequency | = | 2 yrs | Time to peak | = | 22.77 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 435,796 cuft |
| Inflow hyd. No. | = | 11 - Combine #2 | Max. Elevation | = | 819.42 ft |
| Reservoir name | = | Proposed Pond Condition | Max. Storage | = | 427,772 cuft |

Storage Indication method used.



# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020

| Hyd. No. | Hydrograph type (origin) | Peak flow (cfs) | Time interval (min) | Time to Peak (min) | Hyd. volume (cuft) | Inflow hyd(s) | Maximum elevation (ft) | Total strge used (cuft) | Hydrograph Description |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SCS Runoff | 30.52 | 2 | 730 | 123,306 | ------ | ------ | ------ | Area 1 - STH 83 |
| 2 | SCS Runoff | 26.05 | 2 | 736 | 127,284 | ------ | ------ | ------ | Area 2 - Res./Condo |
| 3 | SCS Runoff | 24.02 | 2 | 760 | 193,987 | ------ | ------ | ------ | Area 3 - Med. Dens. Res. |
| 4 | SCS Runoff | 18.82 | 2 | 752 | 137,824 | ------ | ------ | ------ | Area 4 - School |
| 5 | SCS Runoff | 10.15 | 2 | 738 | 53,003 | ------ | ------ | ------ | Area 5 - Industrial |
| 6 | SCS Runoff | 27.29 | 2 | 744 | 154,531 | ------ | ------ | ------ | Area 6 - Commercial |
| 7 | SCS Runoff | 11.34 | 2 | 722 | 31,940 | ------ | ------ | ------ | Area 7 - CTH NN |
| 8 | SCS Runoff | 50.06 | 2 | 720 | 136,344 | ------ | ------ | ------ | Area 8 - Condos, Pond |
| 9 | SCS Runoff | 4.664 | 2 | 758 | 43,510 | ------ | ------ | ------ | Area 9 - Field Park |
| 10 | Combine | 90.95 | 2 | 738 | 635,405 | 1, 2, 3, 4, 5, | ------ | ------ | Combine #1 |
| 11 | Combine | 139.30 | 2 | 726 | 1,001,730 | 6, 7, 8, 9, 10 | ------ | ------ | Combine #2 |
| 12 | Reservoir | 52.10 | 2 | 790 | 997,832 | 11 | 819.14 | 440,145 | Existing Pond |
| 13 | Reservoir | 35.21 | 2 | 808 | 866,738 | 11 | 820.67 | 564,535 | Proposed Pond |

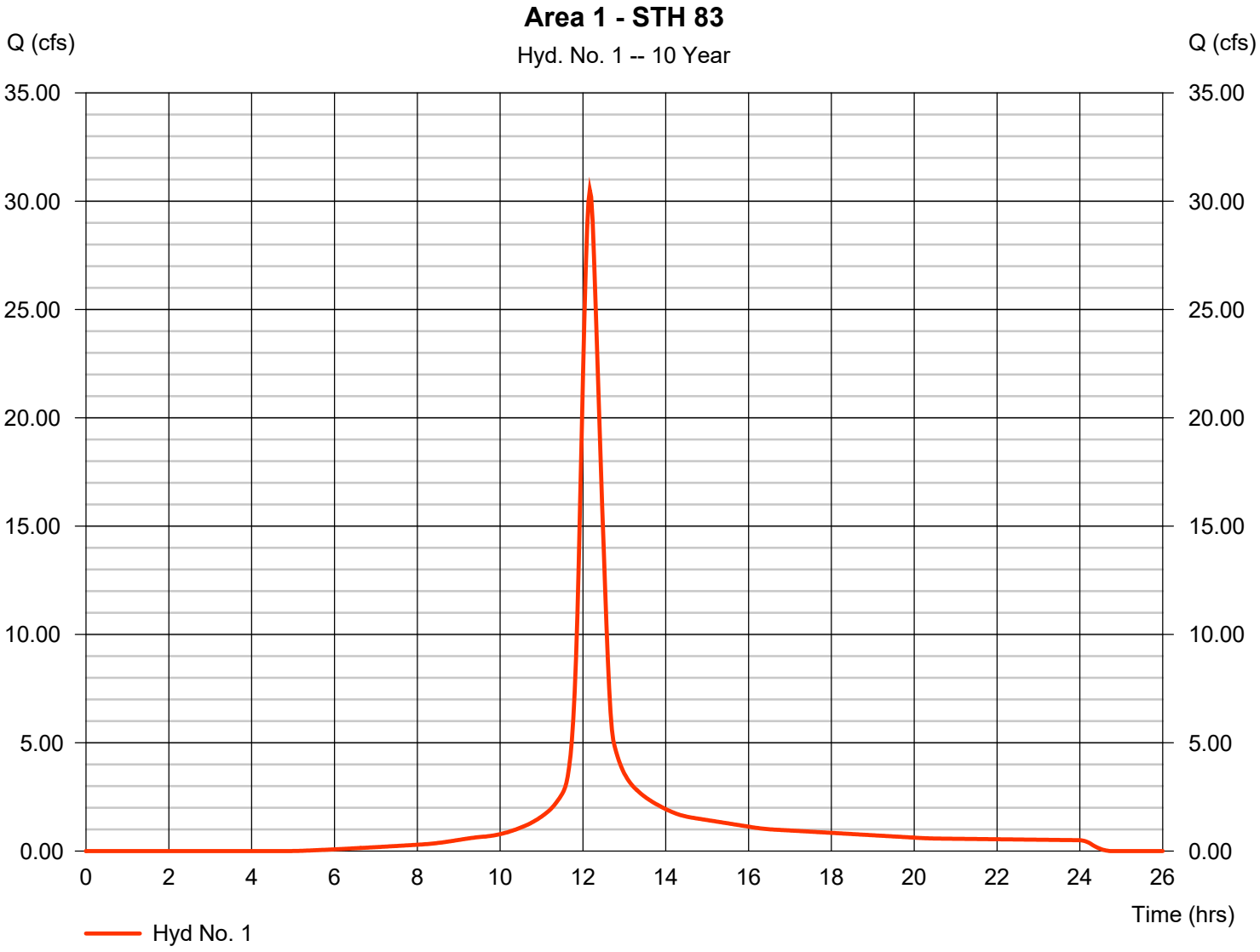
# Hydrograph Report



## Hyd. No. 1

Area 1 - STH 83

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 30.52 cfs |
| Storm frequency | = 10 yrs | Time to peak | = 12.17 hrs |
| Time interval | = 2 min | Hyd. volume | = 123,306 cuft |
| Drainage area | = 12.400 ac | Curve number | = 90 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 27.00 min |
| Total precip. | = 3.81 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



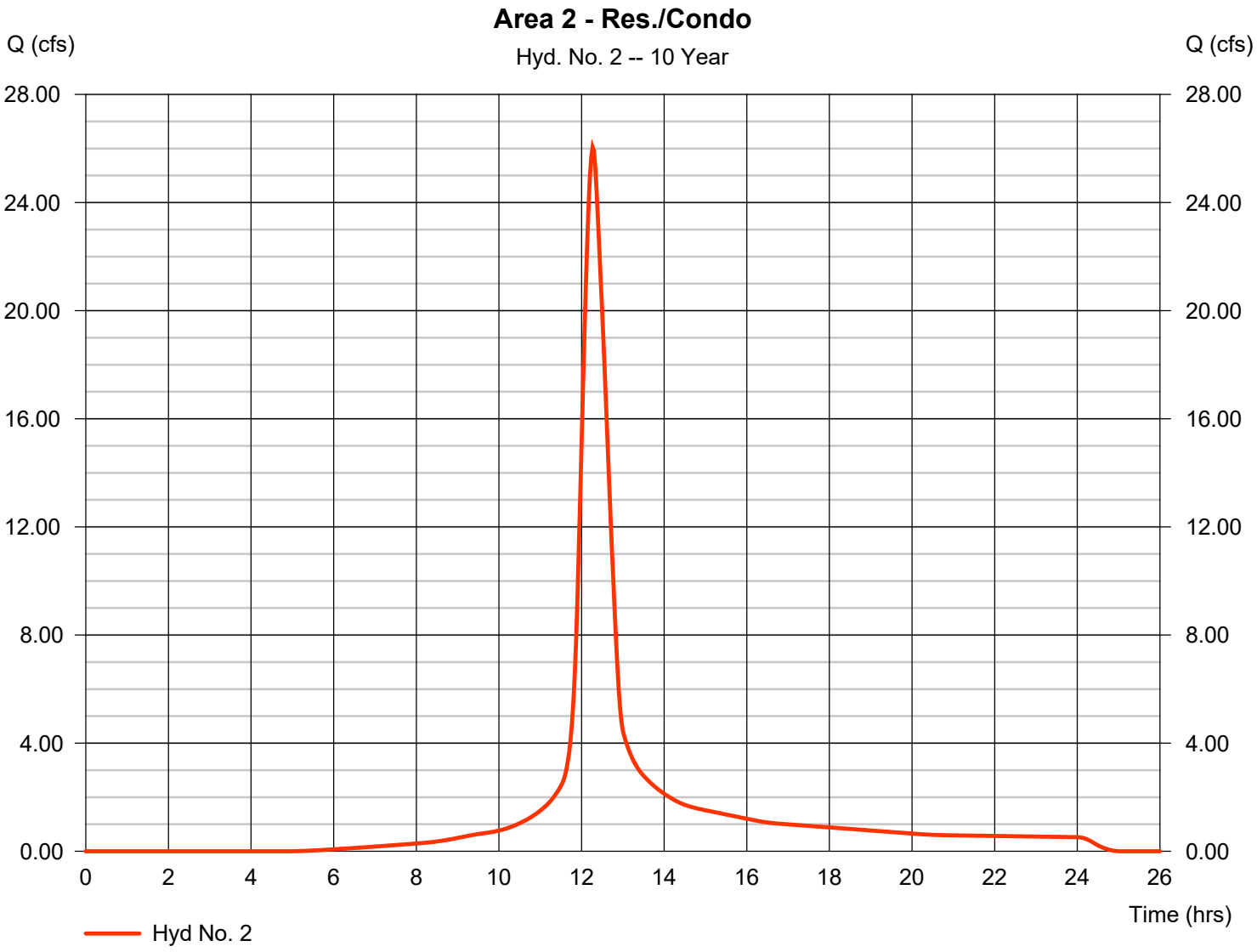
# Hydrograph Report



## Hyd. No. 2

Area 2 - Res./Condo

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 26.05 cfs |
| Storm frequency | = | 10 yrs | Time to peak | = | 12.27 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 127,284 cuft |
| Drainage area | = | 12.800 ac | Curve number | = | 90 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 40.10 min |
| Total precip. | = | 3.81 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



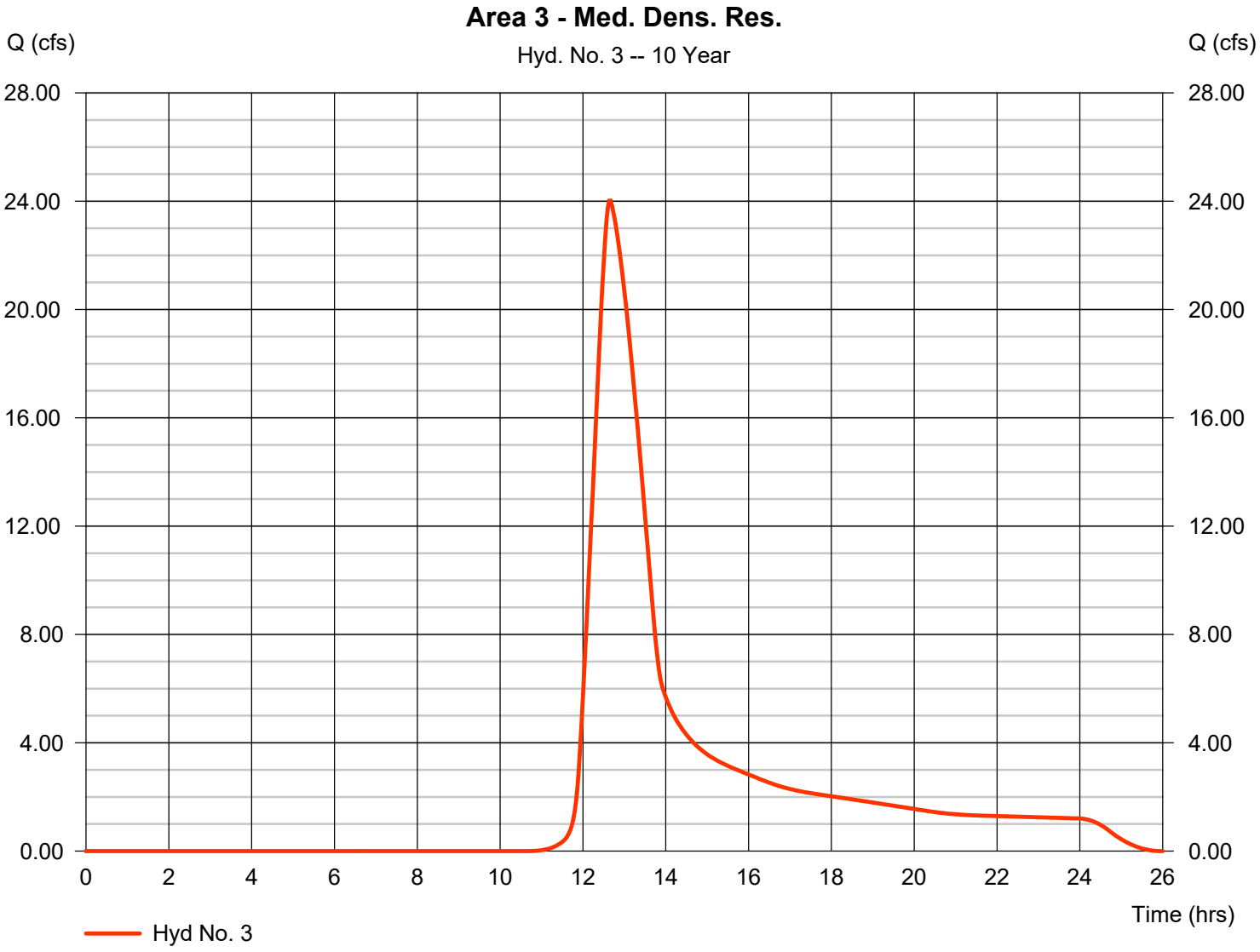
# Hydrograph Report



## Hyd. No. 3

Area 3 - Med. Dens. Res.

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 24.02 cfs |
| Storm frequency | = 10 yrs | Time to peak | = 12.67 hrs |
| Time interval | = 2 min | Hyd. volume | = 193,987 cuft |
| Drainage area | = 40.000 ac | Curve number | = 72 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 71.40 min |
| Total precip. | = 3.81 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



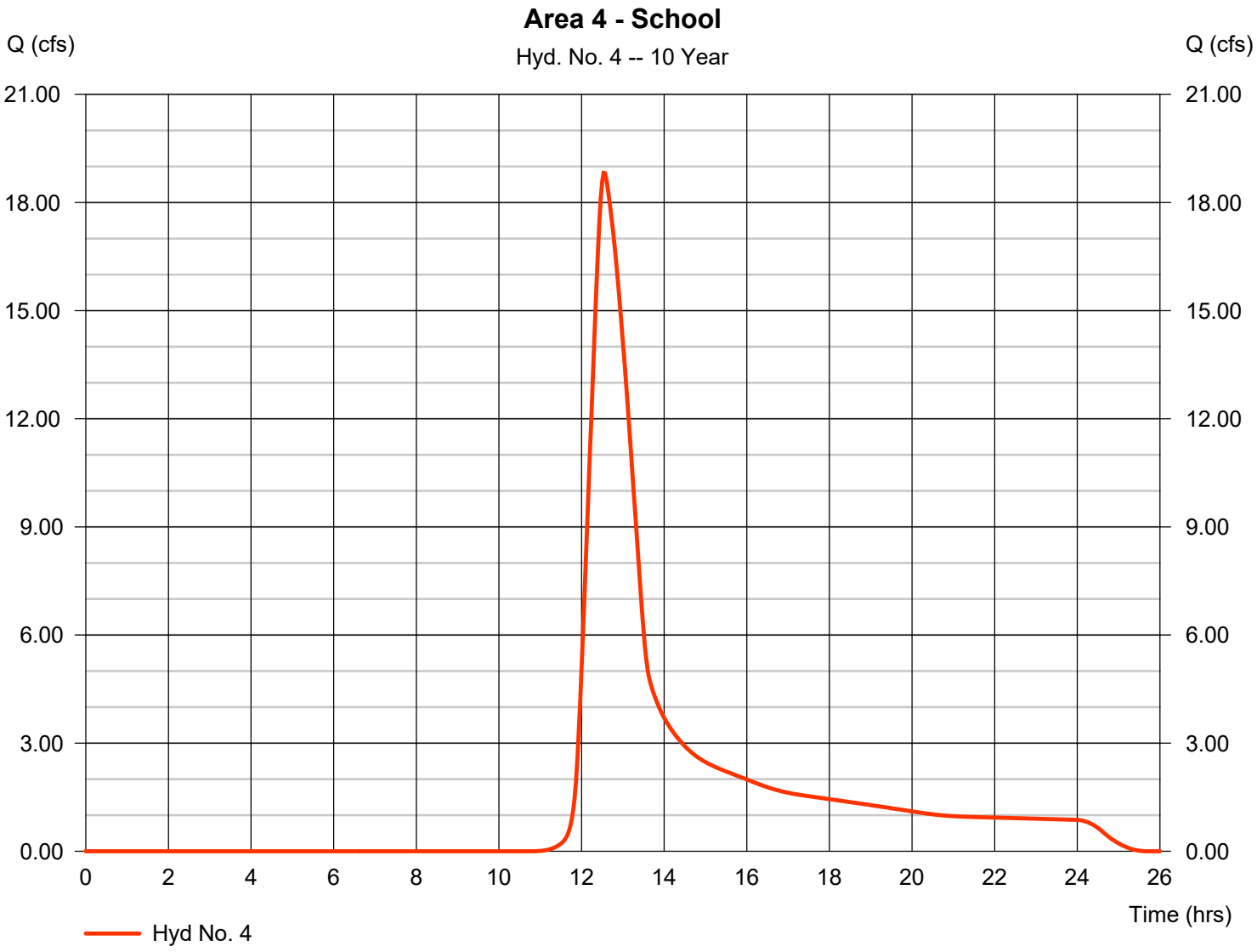
# Hydrograph Report



## Hyd. No. 4

Area 4 - School

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 18.82 cfs |
| Storm frequency | = | 10 yrs | Time to peak | = | 12.53 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 137,824 cuft |
| Drainage area | = | 29.800 ac | Curve number | = | 71 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 62.80 min |
| Total precip. | = | 3.81 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



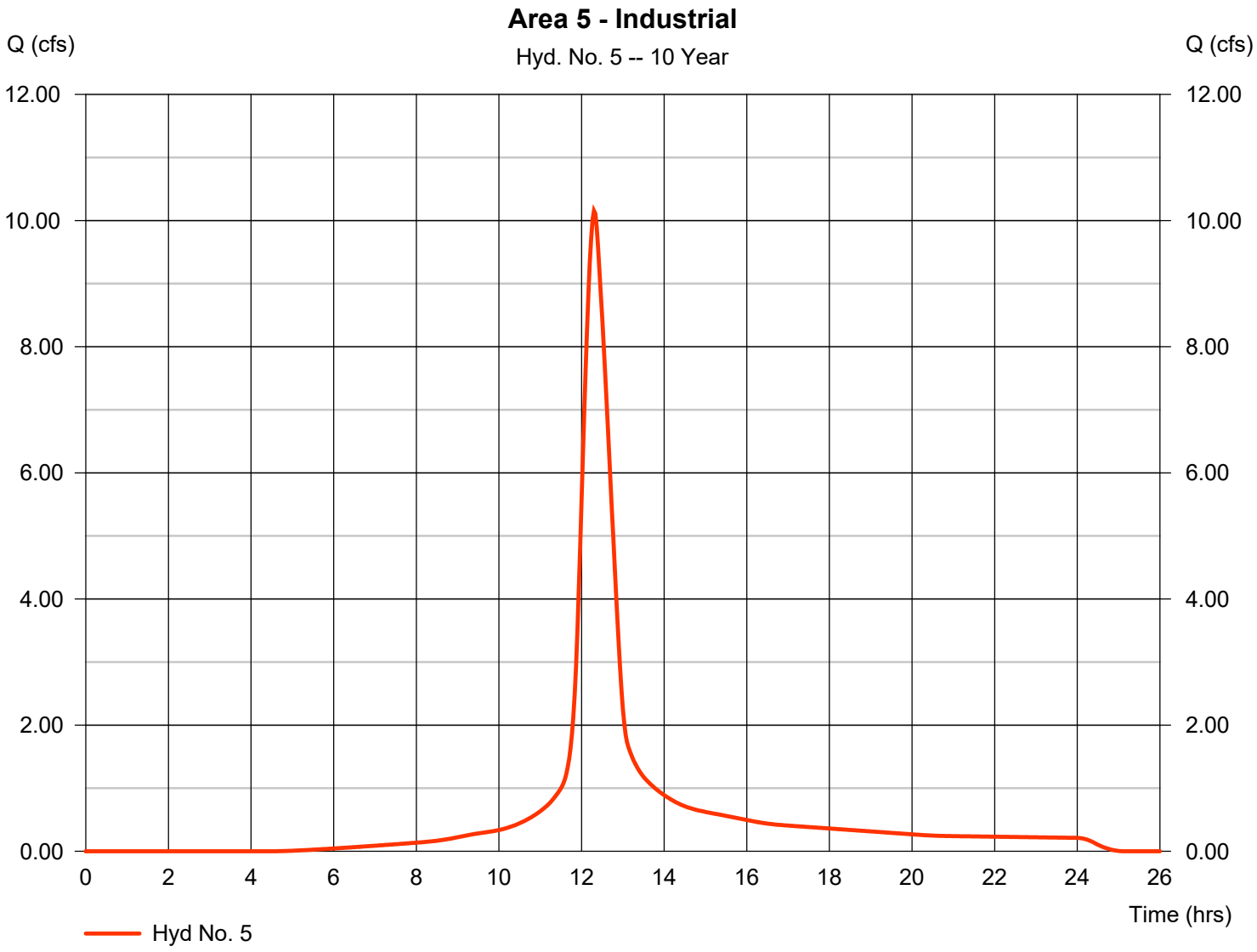
# Hydrograph Report



## Hyd. No. 5

Area 5 - Industrial

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 10.15 cfs |
| Storm frequency | = | 10 yrs | Time to peak | = | 12.30 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 53,003 cuft |
| Drainage area | = | 5.100 ac | Curve number | = | 91 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 41.90 min |
| Total precip. | = | 3.81 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



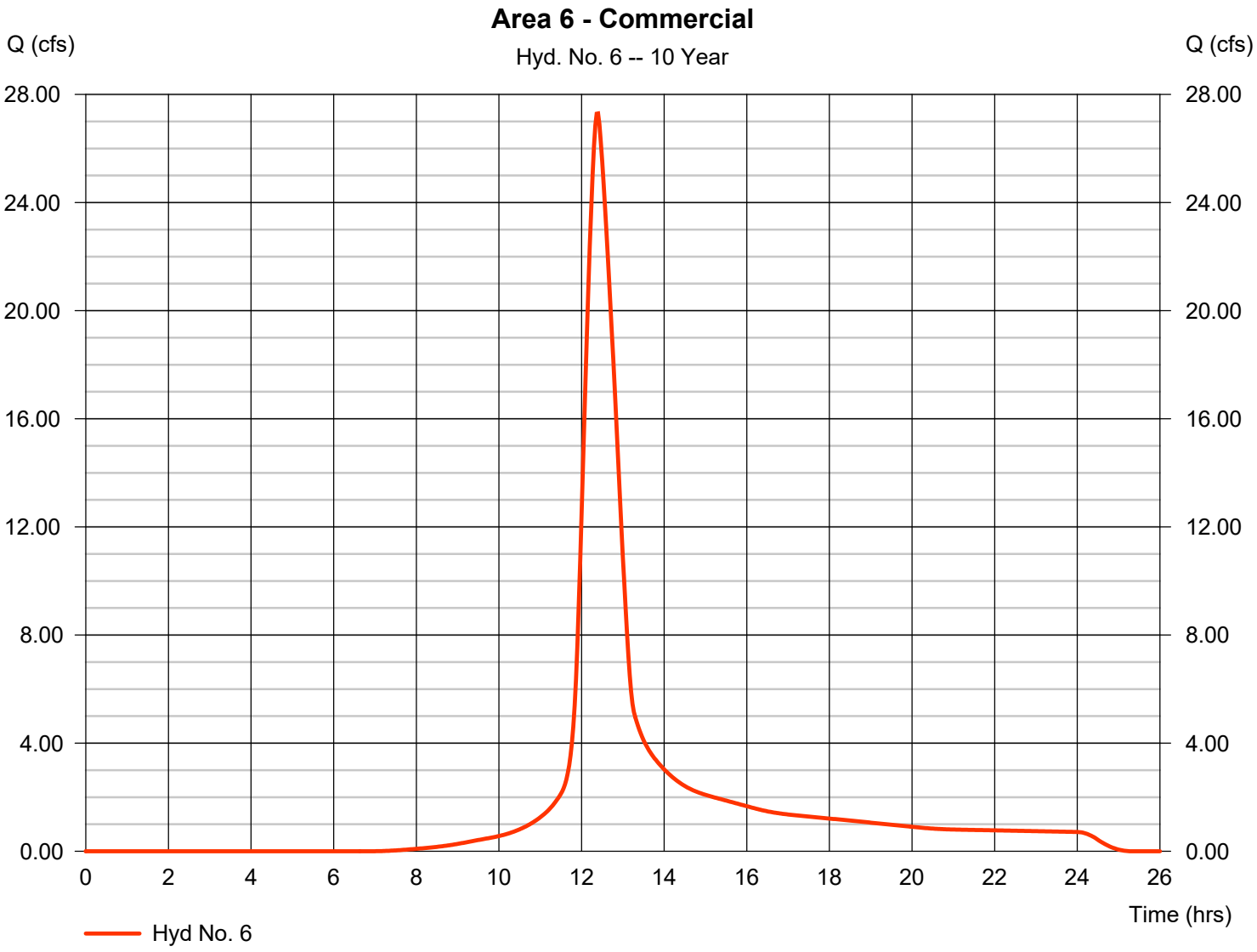
# Hydrograph Report



## Hyd. No. 6

Area 6 - Commercial

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 27.29 cfs |
| Storm frequency | = | 10 yrs | Time to peak | = | 12.40 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 154,531 cuft |
| Drainage area | = | 18.600 ac | Curve number | = | 85 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 48.80 min |
| Total precip. | = | 3.81 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



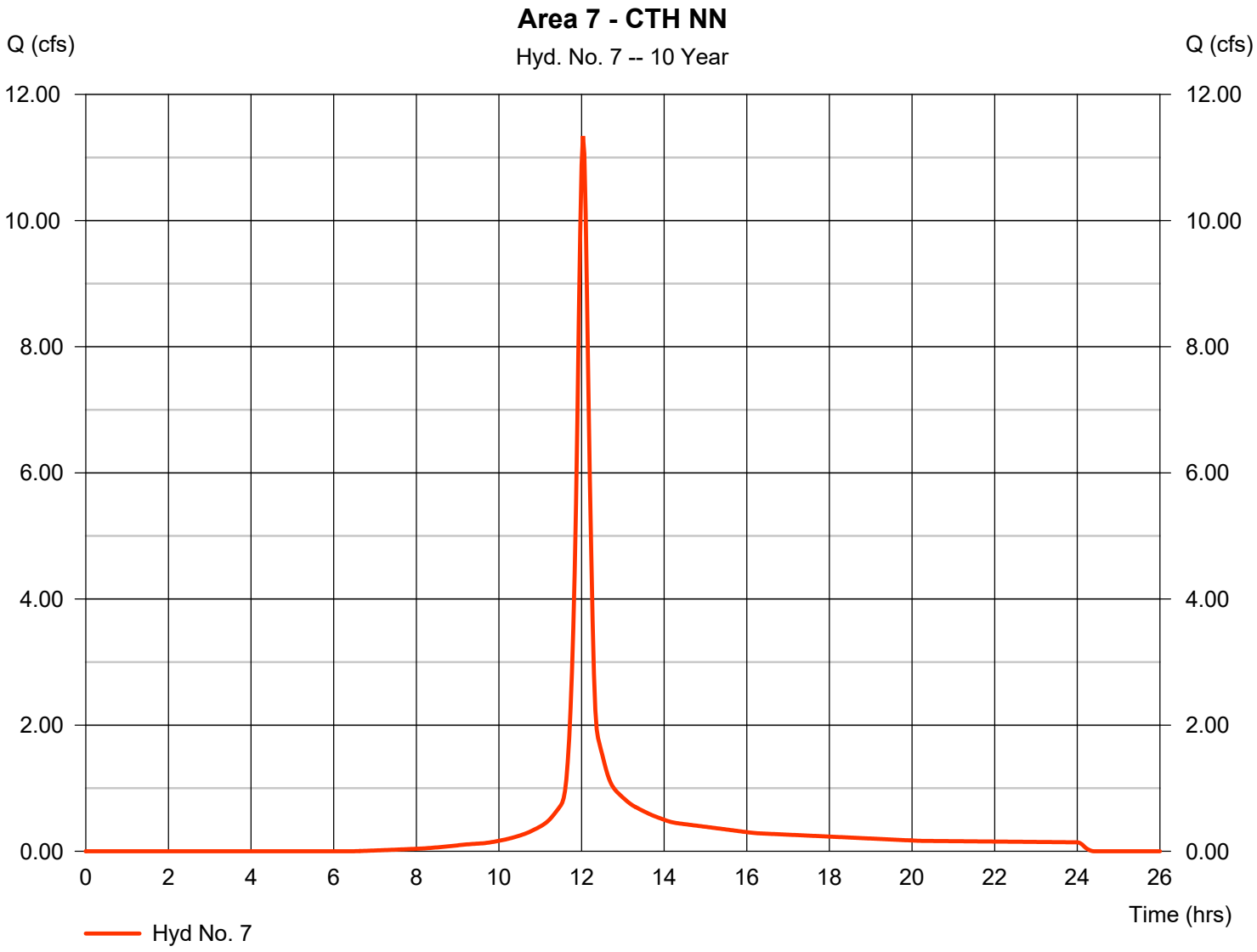
# Hydrograph Report



## Hyd. No. 7

Area 7 - CTH NN

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 11.34 cfs |
| Storm frequency | = 10 yrs | Time to peak | = 12.03 hrs |
| Time interval | = 2 min | Hyd. volume | = 31,940 cuft |
| Drainage area | = 3.800 ac | Curve number | = 86 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 14.70 min |
| Total precip. | = 3.81 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



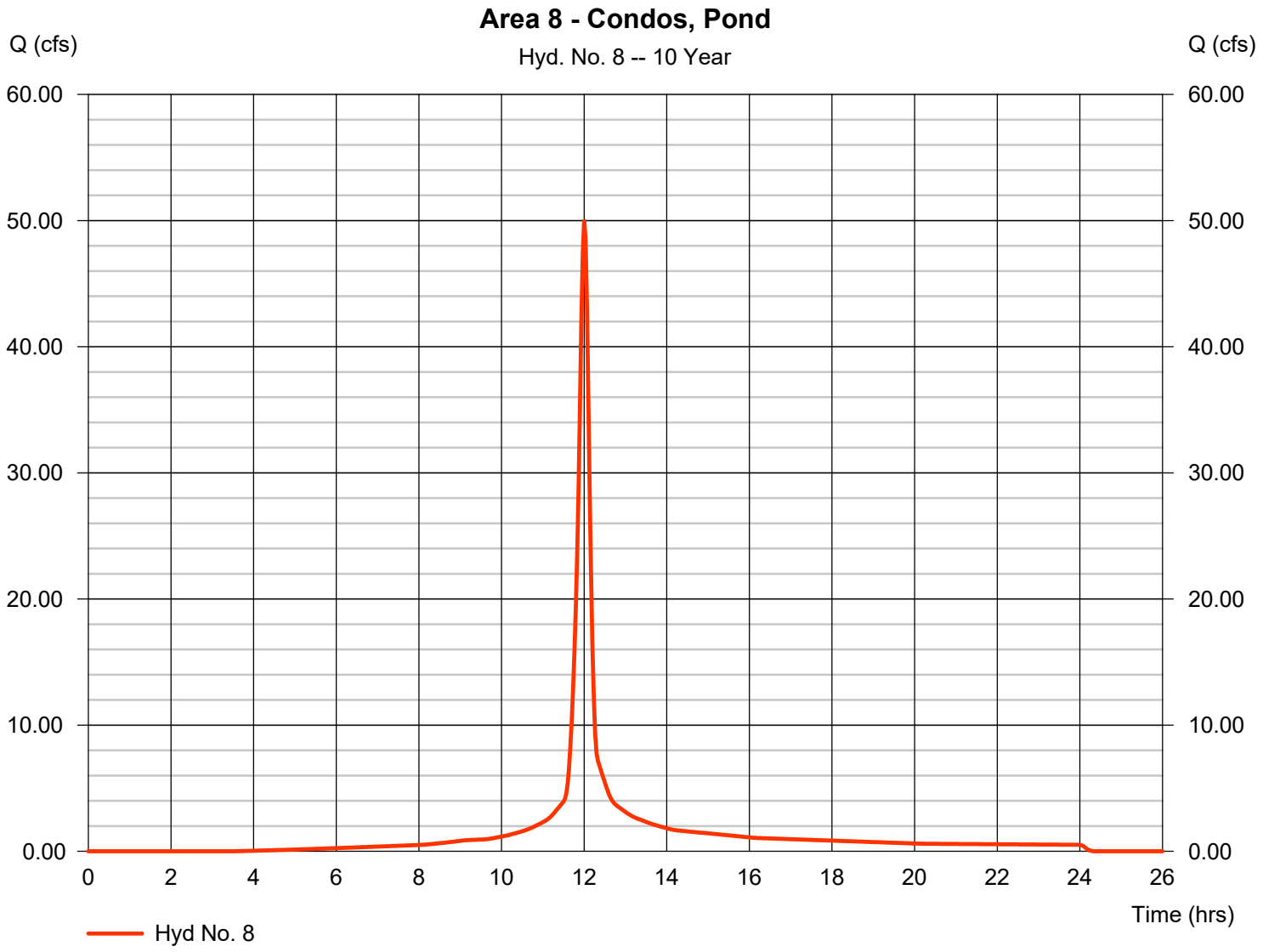
# Hydrograph Report



## Hyd. No. 8

Area 8 - Condos, Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 50.06 cfs |
| Storm frequency | = | 10 yrs | Time to peak | = | 12.00 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 136,344 cuft |
| Drainage area | = | 12.000 ac | Curve number | = | 93 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 12.60 min |
| Total precip. | = | 3.81 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



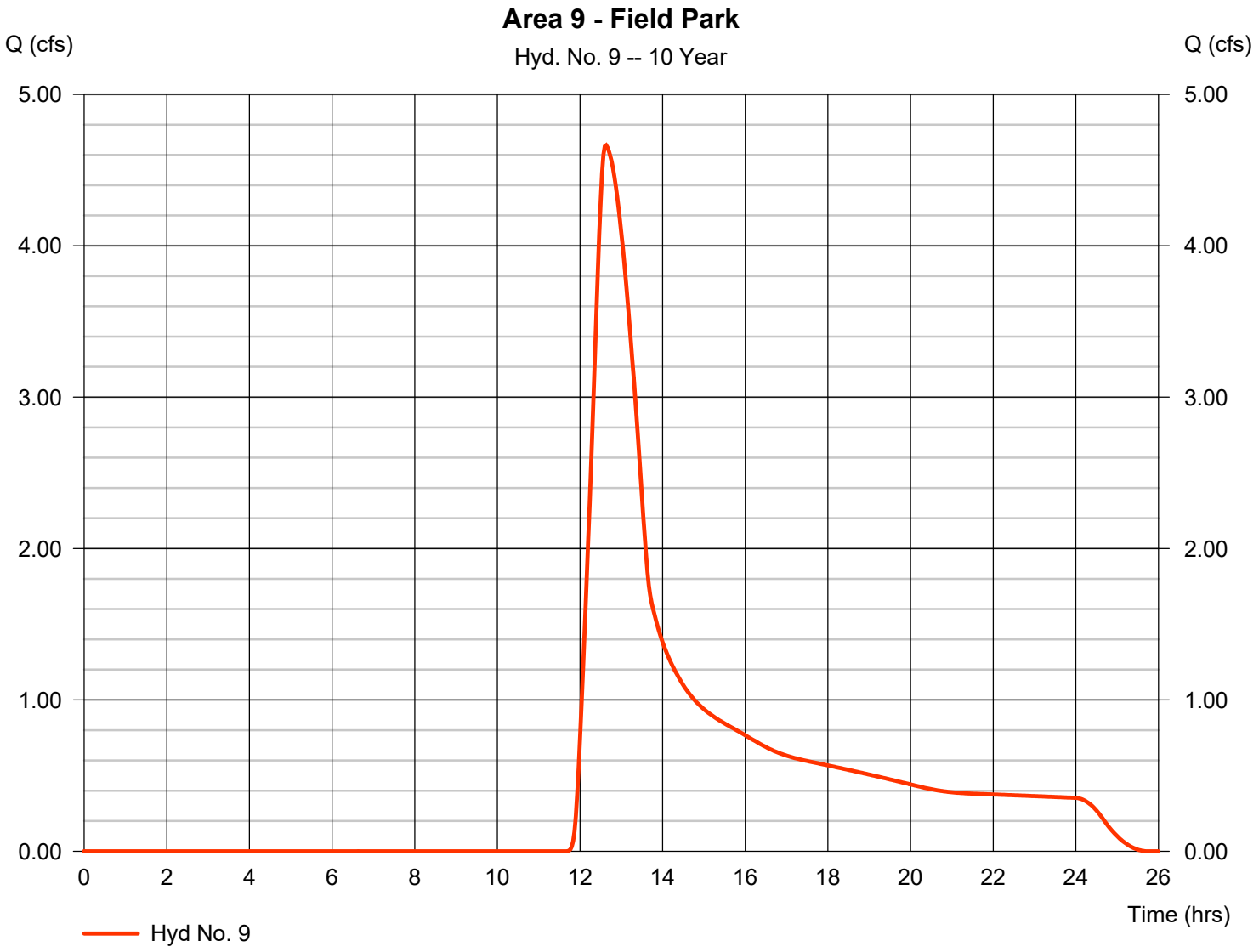
# Hydrograph Report



## Hyd. No. 9

Area 9 - Field Park

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 4.664 cfs |
| Storm frequency | = 10 yrs | Time to peak | = 12.63 hrs |
| Time interval | = 2 min | Hyd. volume | = 43,510 cuft |
| Drainage area | = 16.800 ac | Curve number | = 61 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 66.30 min |
| Total precip. | = 3.81 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



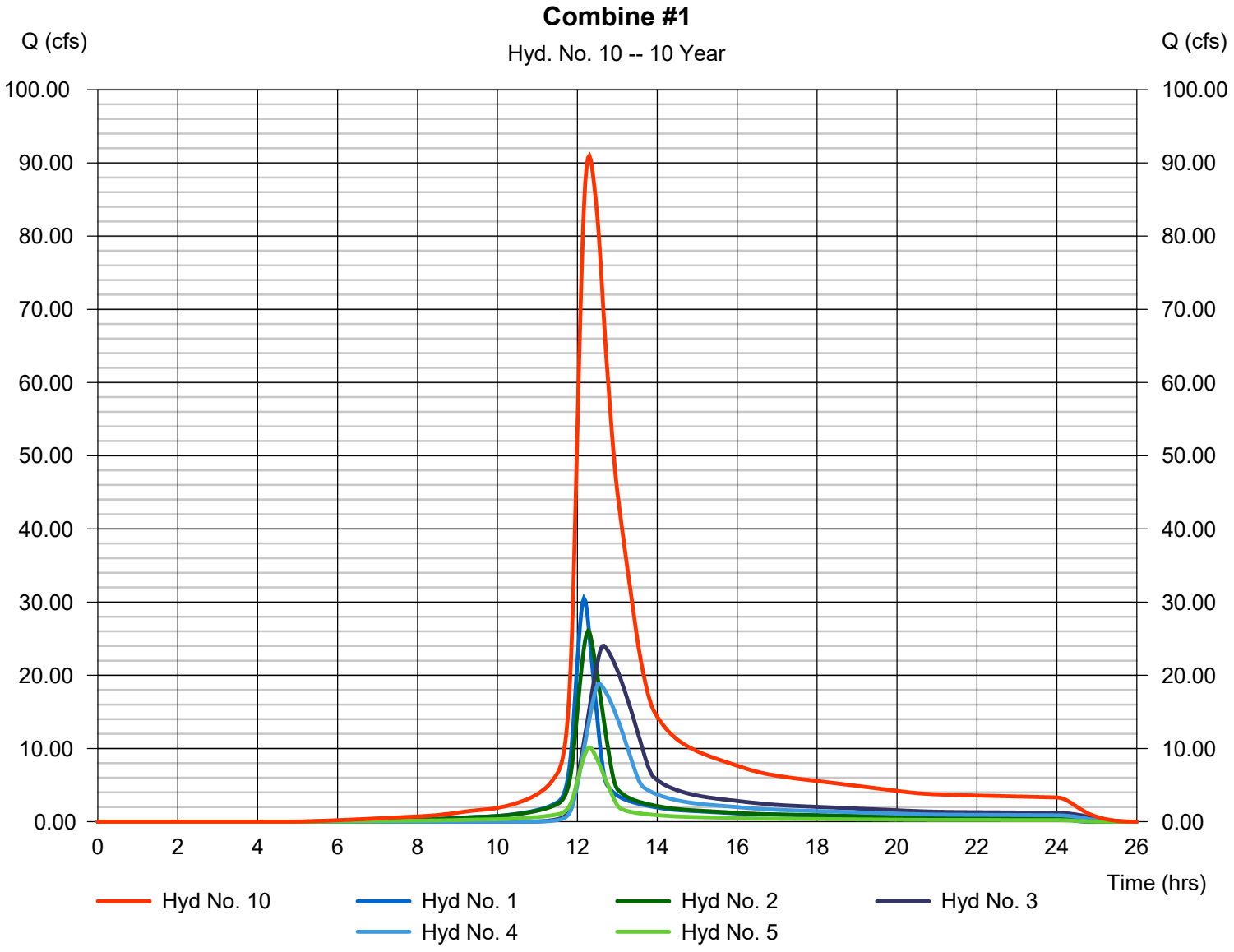
# Hydrograph Report



## Hyd. No. 10

Combine #1

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Combine | Peak discharge | = | 90.95 cfs |
| Storm frequency | = | 10 yrs | Time to peak | = | 12.30 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 635,405 cuft |
| Inflow hyds. | = | 1, 2, 3, 4, 5 | Contrib. drain. area | = | 100.100 ac |



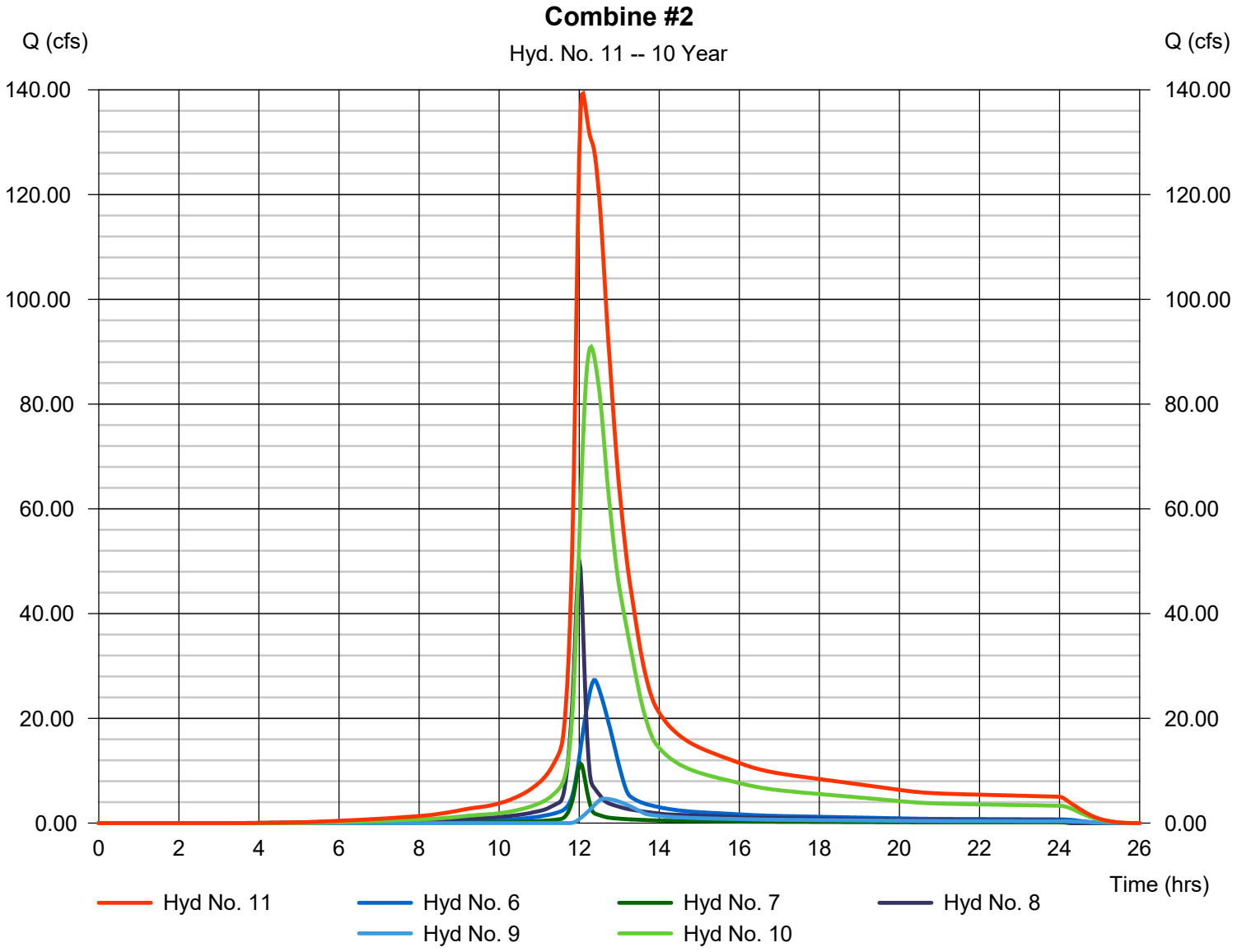
# Hydrograph Report



## Hyd. No. 11

Combine #2

| | | | |
|---|---|---|---|
| Hydrograph type | = Combine | Peak discharge | = 139.30 cfs |
| Storm frequency | = 10 yrs | Time to peak | = 12.10 hrs |
| Time interval | = 2 min | Hyd. volume | = 1,001,730 cuft |
| Inflow hyds. | = 6, 7, 8, 9, 10 | Contrib. drain. area | = 51.200 ac |



# Hydrograph Report

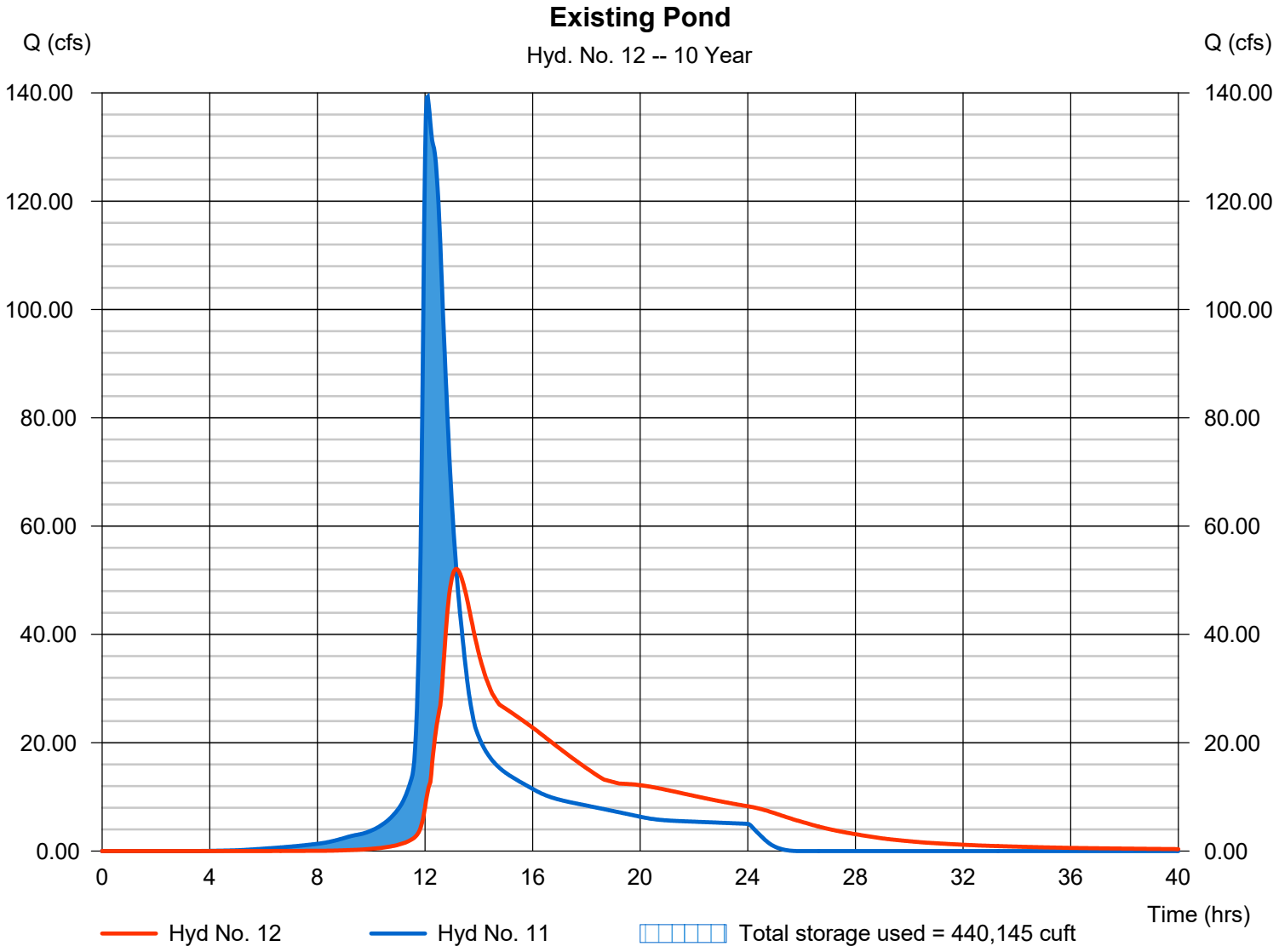


## Hyd. No. 12

Existing Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Reservoir | Peak discharge | = | 52.10 cfs |
| Storm frequency | = | 10 yrs | Time to peak | = | 13.17 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 997,832 cuft |
| Inflow hyd. No. | = | 11 - Combine #2 | Max. Elevation | = | 819.14 ft |
| Reservoir name | = | Existing Pond Condition | Max. Storage | = | 440,145 cuft |

Storage Indication method used.



# Hydrograph Report

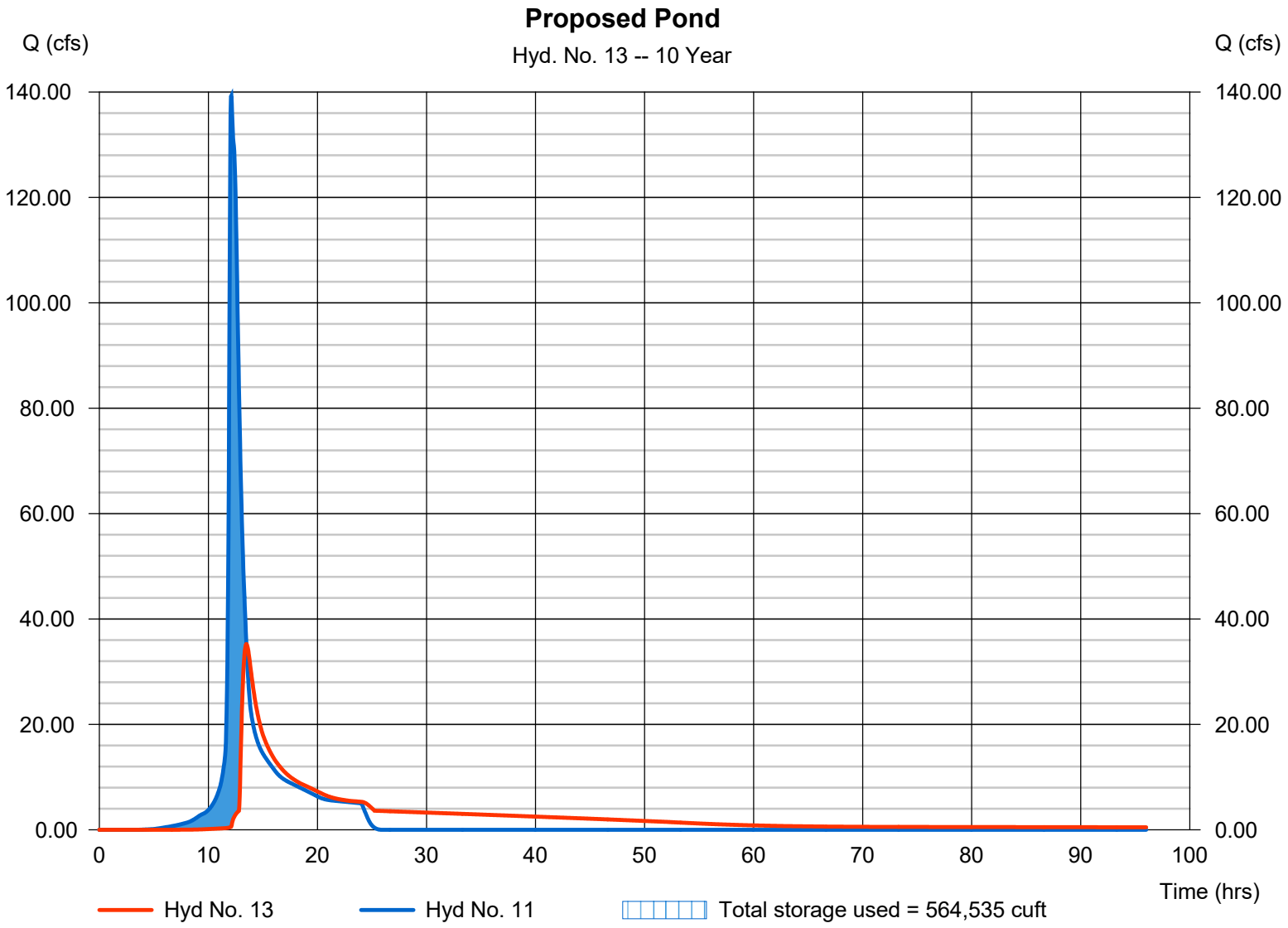


## Hyd. No. 13

Proposed Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Reservoir | Peak discharge | = | 35.21 cfs |
| Storm frequency | = | 10 yrs | Time to peak | = | 13.47 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 866,738 cuft |
| Inflow hyd. No. | = | 11 - Combine #2 | Max. Elevation | = | 820.67 ft |
| Reservoir name | = | Proposed Pond Condition | Max. Storage | = | 564,535 cuft |

Storage Indication method used.



# Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® 2019 by Autodesk, Inc. v2020

| Hyd. No. | Hydrograph type (origin) | Peak flow (cfs) | Time interval (min) | Time to Peak (min) | Hyd. volume (cuft) | Inflow hyd(s) | Maximum elevation (ft) | Total strge used (cuft) | Hydrograph Description |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SCS Runoff | 54.57 | 2 | 730 | 226,019 | ------ | ------ | ------ | Area 1 - STH 83 |
| 2 | SCS Runoff | 46.68 | 2 | 736 | 233,311 | ------ | ------ | ------ | Area 2 - Res./Condo |
| 3 | SCS Runoff | 60.58 | 2 | 758 | 458,675 | ------ | ------ | ------ | Area 3 - Med. Dens. Res. |
| 4 | SCS Runoff | 48.62 | 2 | 752 | 331,498 | ------ | ------ | ------ | Area 4 - School |
| 5 | SCS Runoff | 17.95 | 2 | 738 | 95,950 | ------ | ------ | ------ | Area 5 - Industrial |
| 6 | SCS Runoff | 52.94 | 2 | 742 | 301,978 | ------ | ------ | ------ | Area 6 - Commercial |
| 7 | SCS Runoff | 21.36 | 2 | 722 | 61,606 | ------ | ------ | ------ | Area 7 - CTH NN |
| 8 | SCS Runoff | 85.54 | 2 | 720 | 240,792 | ------ | ------ | ------ | Area 8 - Condos, Pond |
| 9 | SCS Runoff | 17.28 | 2 | 754 | 128,896 | ------ | ------ | ------ | Area 9 - Field Park |
| 10 | Combine | 190.17 | 2 | 740 | 1,345,452 | 1, 2, 3, 4, 5, | ------ | ------ | Combine #1 |
| 11 | Combine | 276.34 | 2 | 726 | 2,078,725 | 6, 7, 8, 9, 10 | ------ | ------ | Combine #2 |
| 12 | Reservoir | 195.67 | 2 | 766 | 2,074,614 | 11 | 820.99 | 663,007 | Existing Pond |
| 13 | Reservoir | 144.78 | 2 | 780 | 1,942,656 | 11 | 823.03 | 837,449 | Proposed Pond |

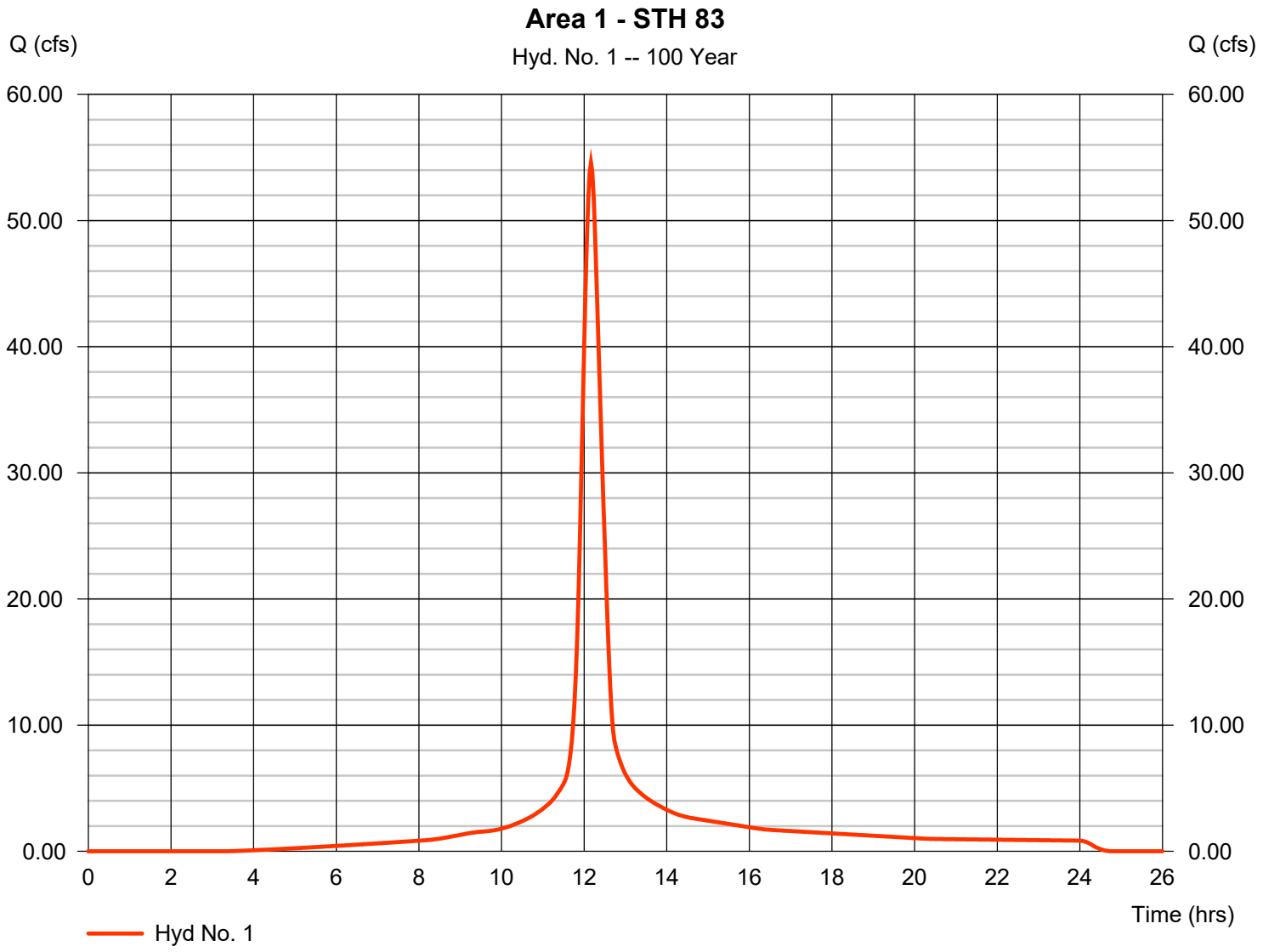
# Hydrograph Report



## Hyd. No. 1

Area 1 - STH 83

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 54.57 cfs |
| Storm frequency | = 100 yrs | Time to peak | = 12.17 hrs |
| Time interval | = 2 min | Hyd. volume | = 226,019 cuft |
| Drainage area | = 12.400 ac | Curve number | = 90 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 27.00 min |
| Total precip. | = 6.18 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



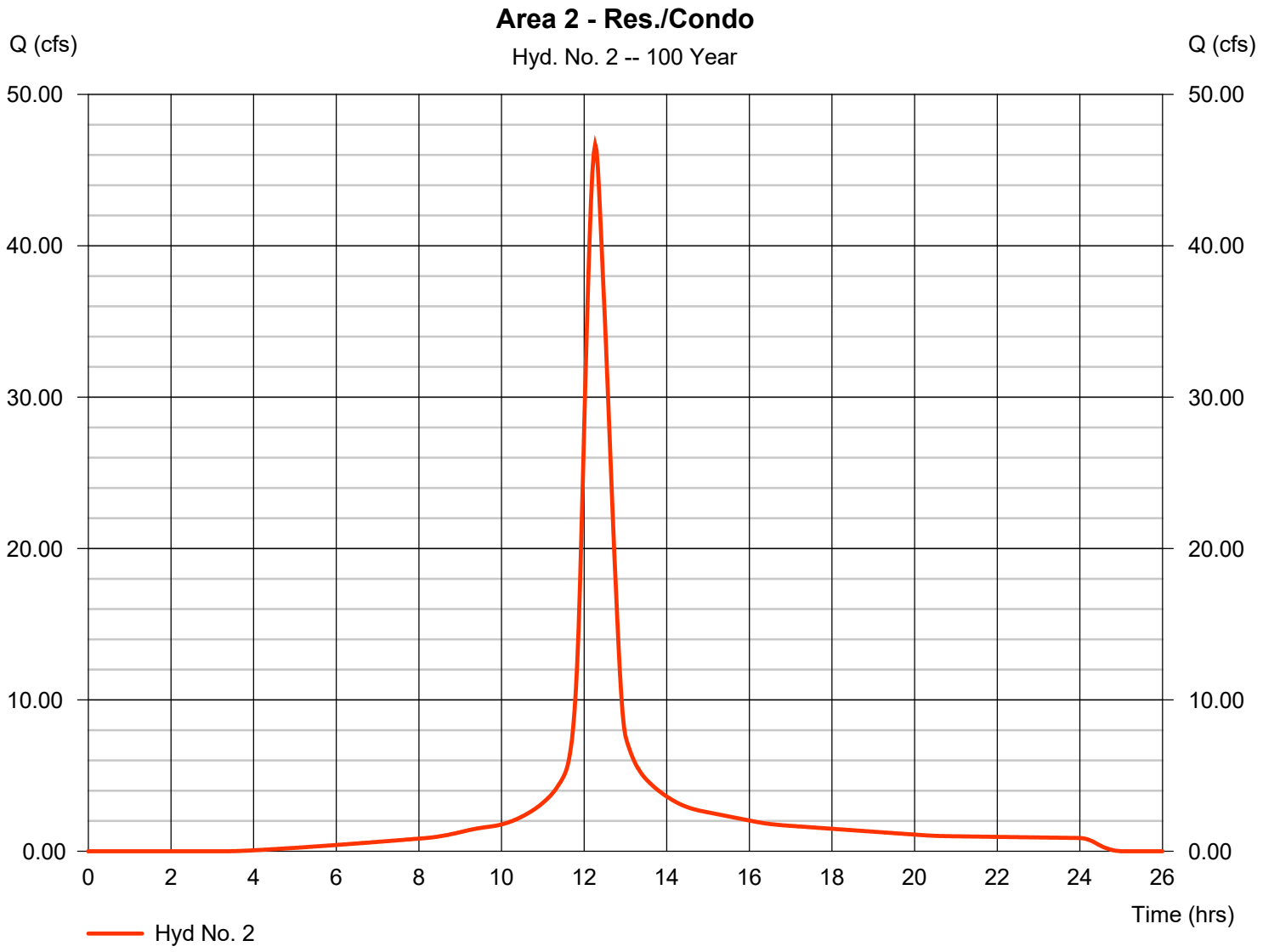
# Hydrograph Report



## Hyd. No. 2

Area 2 - Res./Condo

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 46.68 cfs |
| Storm frequency | = 100 yrs | Time to peak | = 12.27 hrs |
| Time interval | = 2 min | Hyd. volume | = 233,311 cuft |
| Drainage area | = 12.800 ac | Curve number | = 90 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 40.10 min |
| Total precip. | = 6.18 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



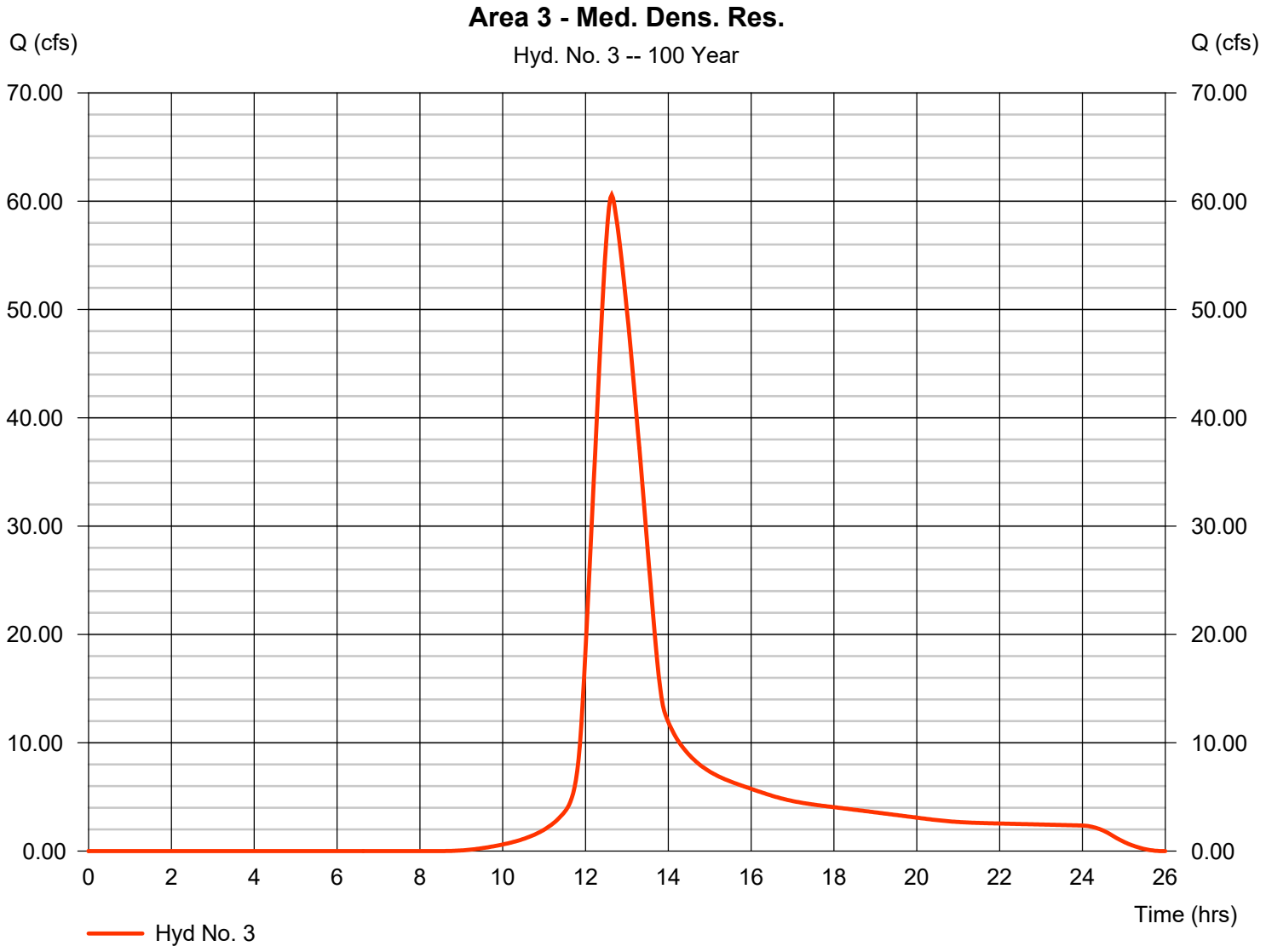
# Hydrograph Report



## Hyd. No. 3

Area 3 - Med. Dens. Res.

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 60.58 cfs |
| Storm frequency | = 100 yrs | Time to peak | = 12.63 hrs |
| Time interval | = 2 min | Hyd. volume | = 458,675 cuft |
| Drainage area | = 40.000 ac | Curve number | = 72 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 71.40 min |
| Total precip. | = 6.18 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



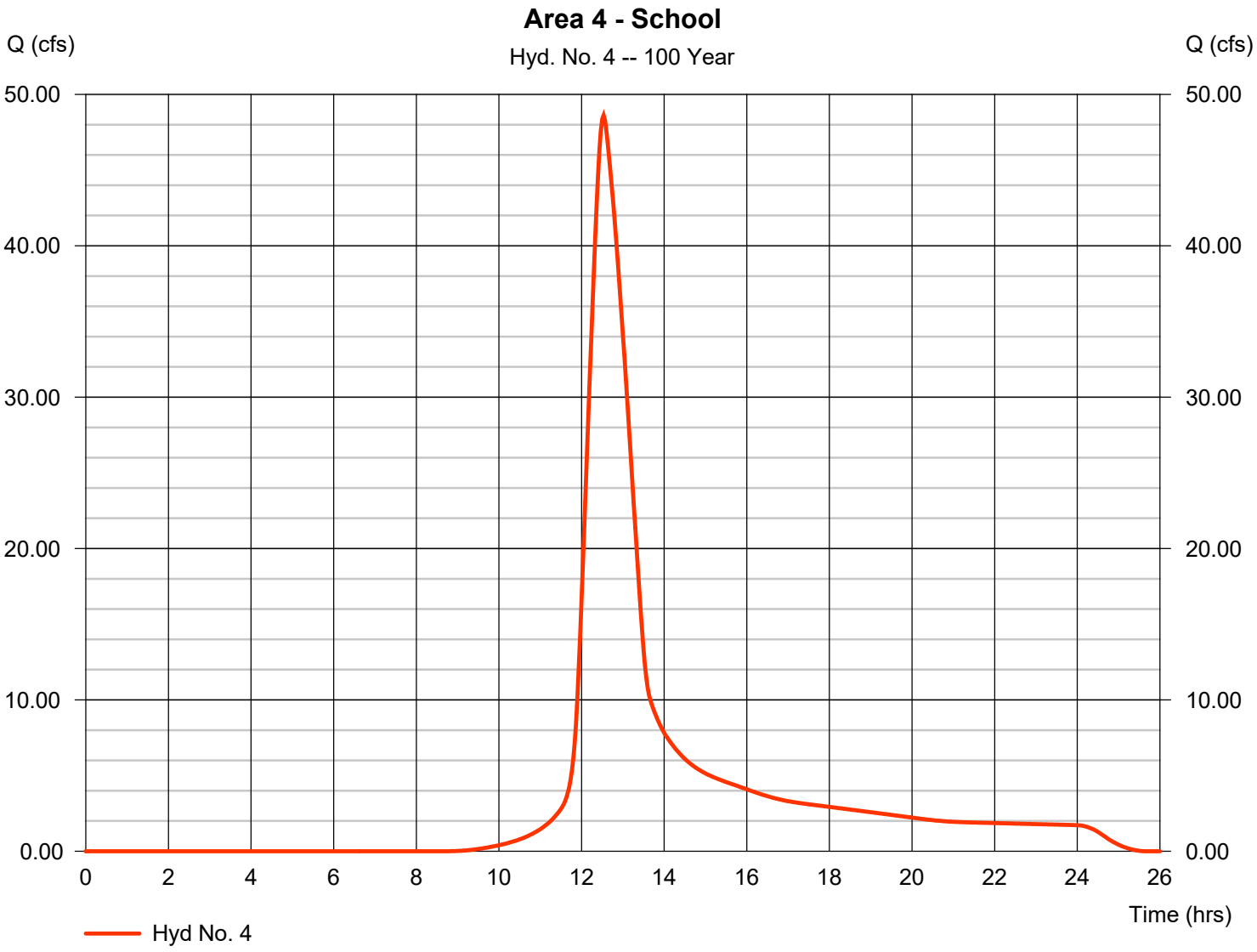
# Hydrograph Report



## Hyd. No. 4

Area 4 - School

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 48.62 cfs |
| Storm frequency | = | 100 yrs | Time to peak | = | 12.53 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 331,498 cuft |
| Drainage area | = | 29.800 ac | Curve number | = | 71 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 62.80 min |
| Total precip. | = | 6.18 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



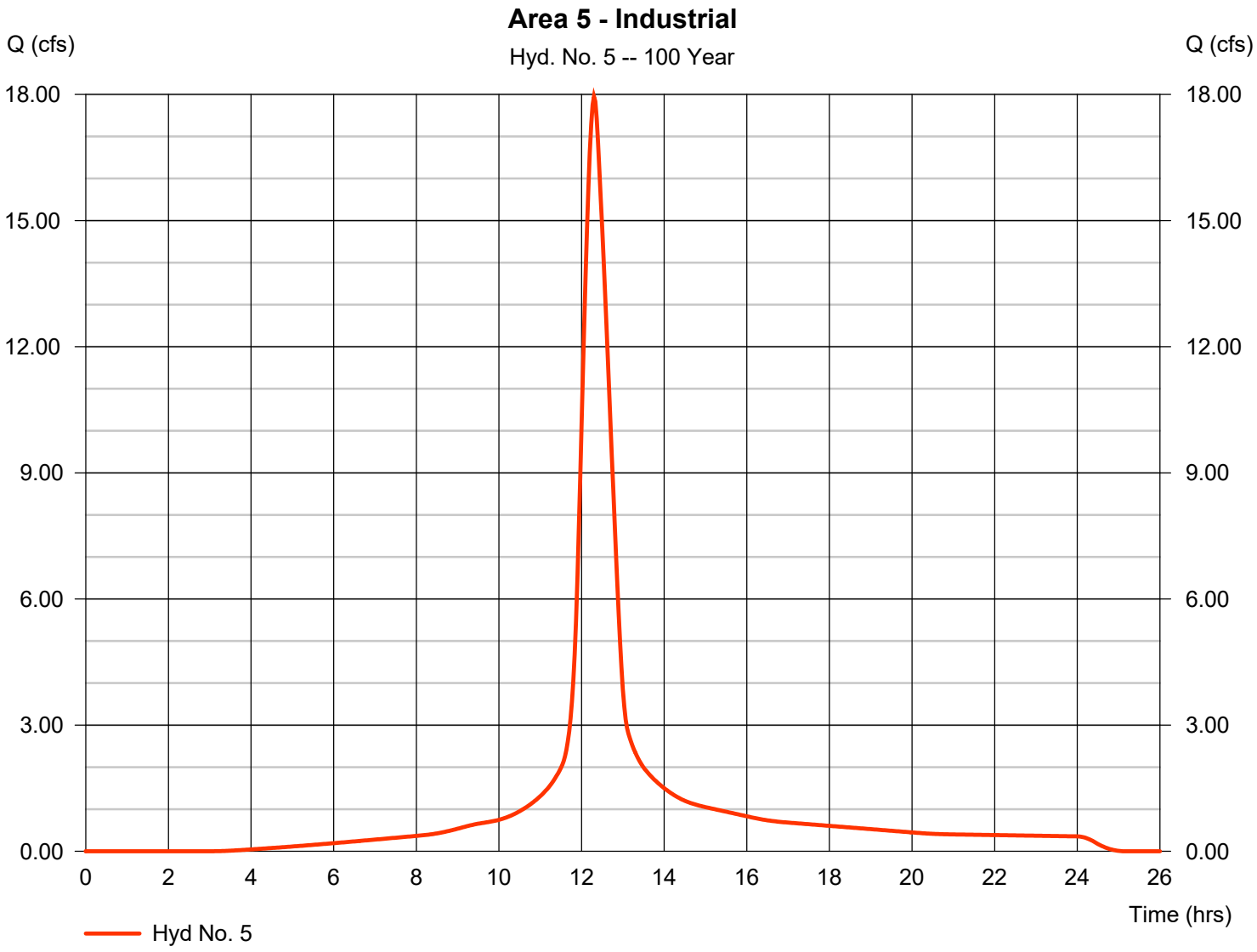
# Hydrograph Report



## Hyd. No. 5

Area 5 - Industrial

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 17.95 cfs |
| Storm frequency | = | 100 yrs | Time to peak | = | 12.30 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 95,950 cuft |
| Drainage area | = | 5.100 ac | Curve number | = | 91 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 41.90 min |
| Total precip. | = | 6.18 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



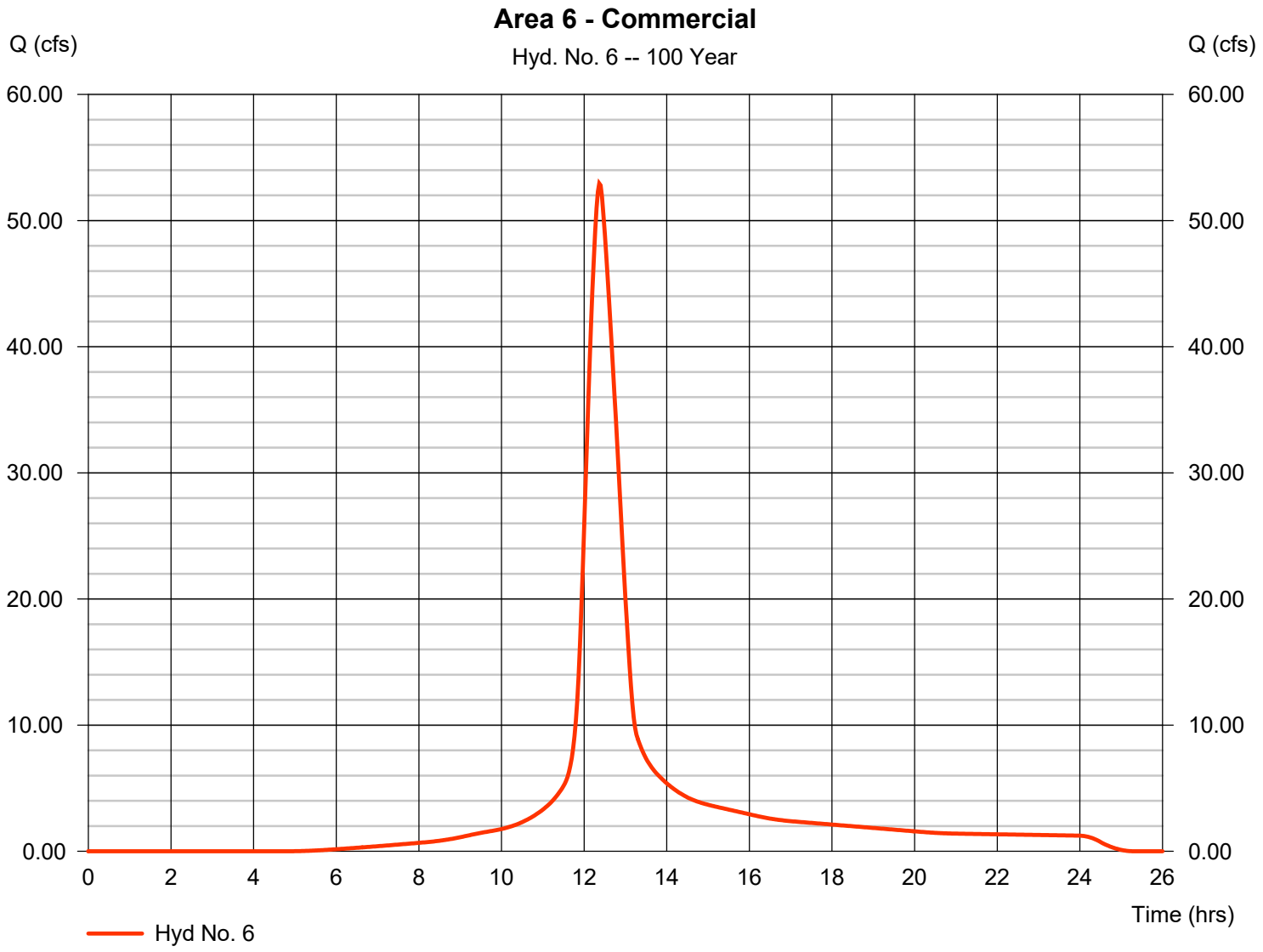
# Hydrograph Report



## Hyd. No. 6

Area 6 - Commercial

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 52.94 cfs |
| Storm frequency | = 100 yrs | Time to peak | = 12.37 hrs |
| Time interval | = 2 min | Hyd. volume | = 301,978 cuft |
| Drainage area | = 18.600 ac | Curve number | = 85 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 48.80 min |
| Total precip. | = 6.18 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



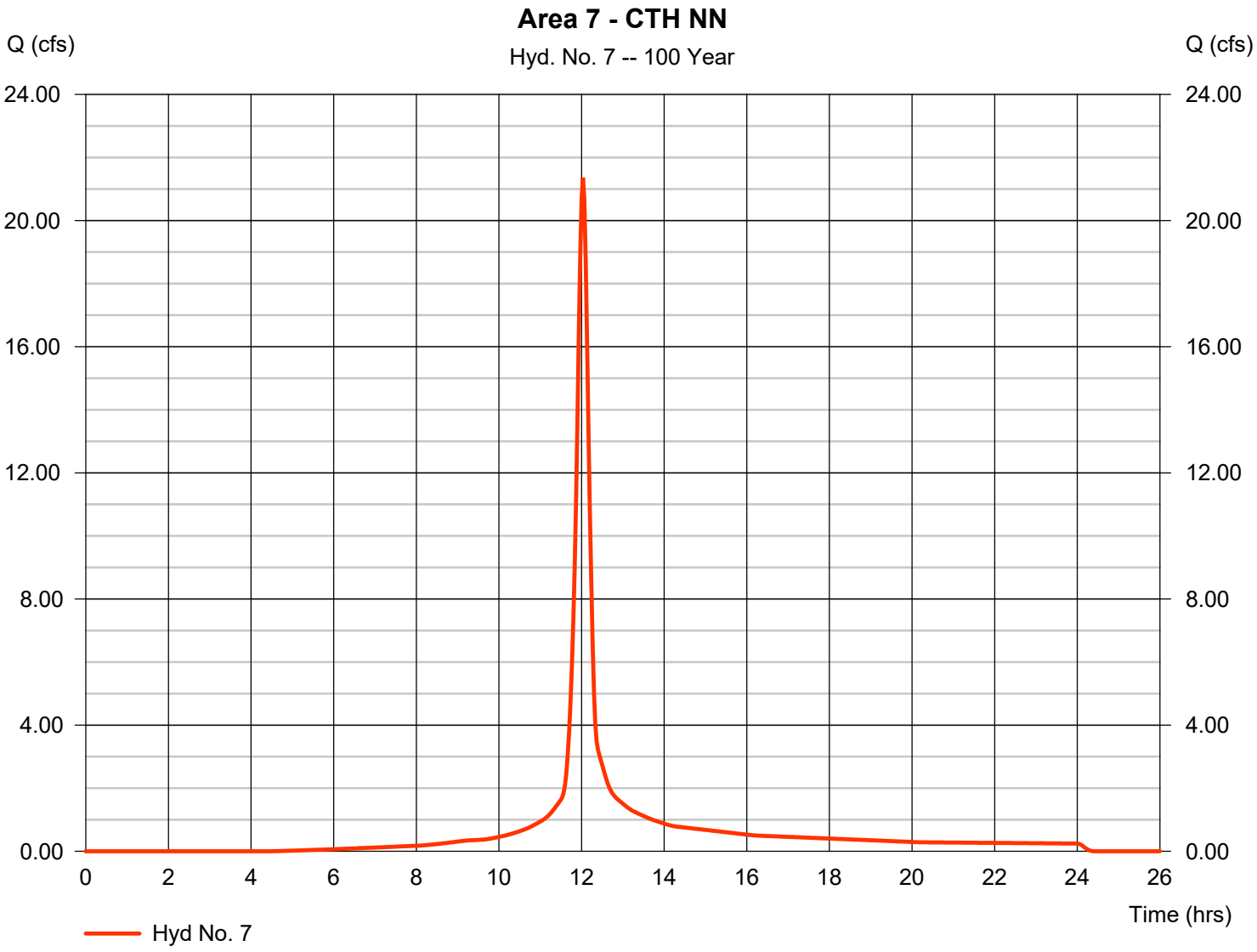
# Hydrograph Report



## Hyd. No. 7

Area 7 - CTH NN

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 21.36 cfs |
| Storm frequency | = 100 yrs | Time to peak | = 12.03 hrs |
| Time interval | = 2 min | Hyd. volume | = 61,606 cuft |
| Drainage area | = 3.800 ac | Curve number | = 86 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 14.70 min |
| Total precip. | = 6.18 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



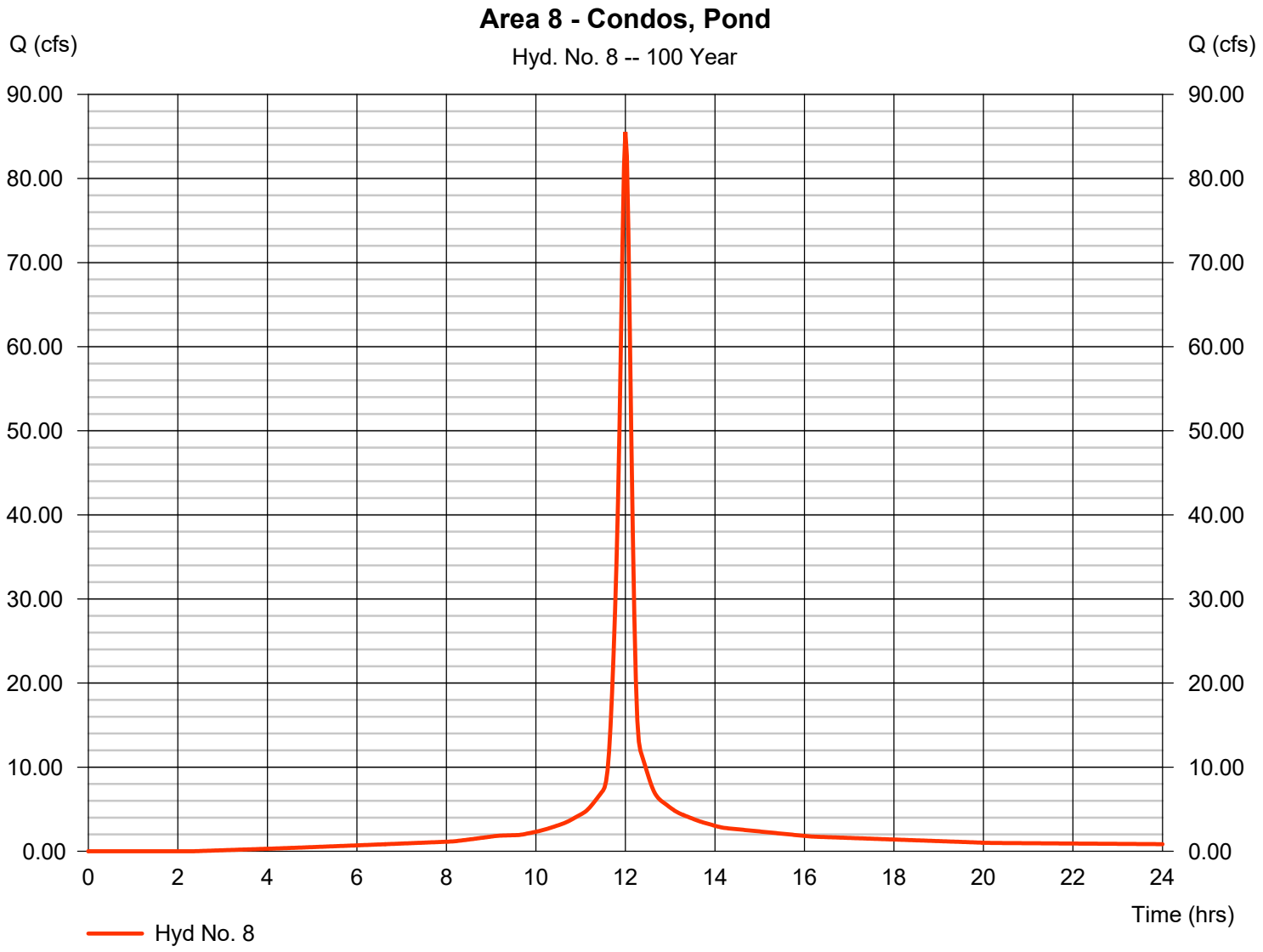
# Hydrograph Report



## Hyd. No. 8

Area 8 - Condos, Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | SCS Runoff | Peak discharge | = | 85.54 cfs |
| Storm frequency | = | 100 yrs | Time to peak | = | 12.00 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 240,792 cuft |
| Drainage area | = | 12.000 ac | Curve number | = | 93 |
| Basin Slope | = | 0.0 % | Hydraulic length | = | 0 ft |
| Tc method | = | User | Time of conc. (Tc) | = | 12.60 min |
| Total precip. | = | 6.18 in | Distribution | = | Type II |
| Storm duration | = | 24 hrs | Shape factor | = | 484 |



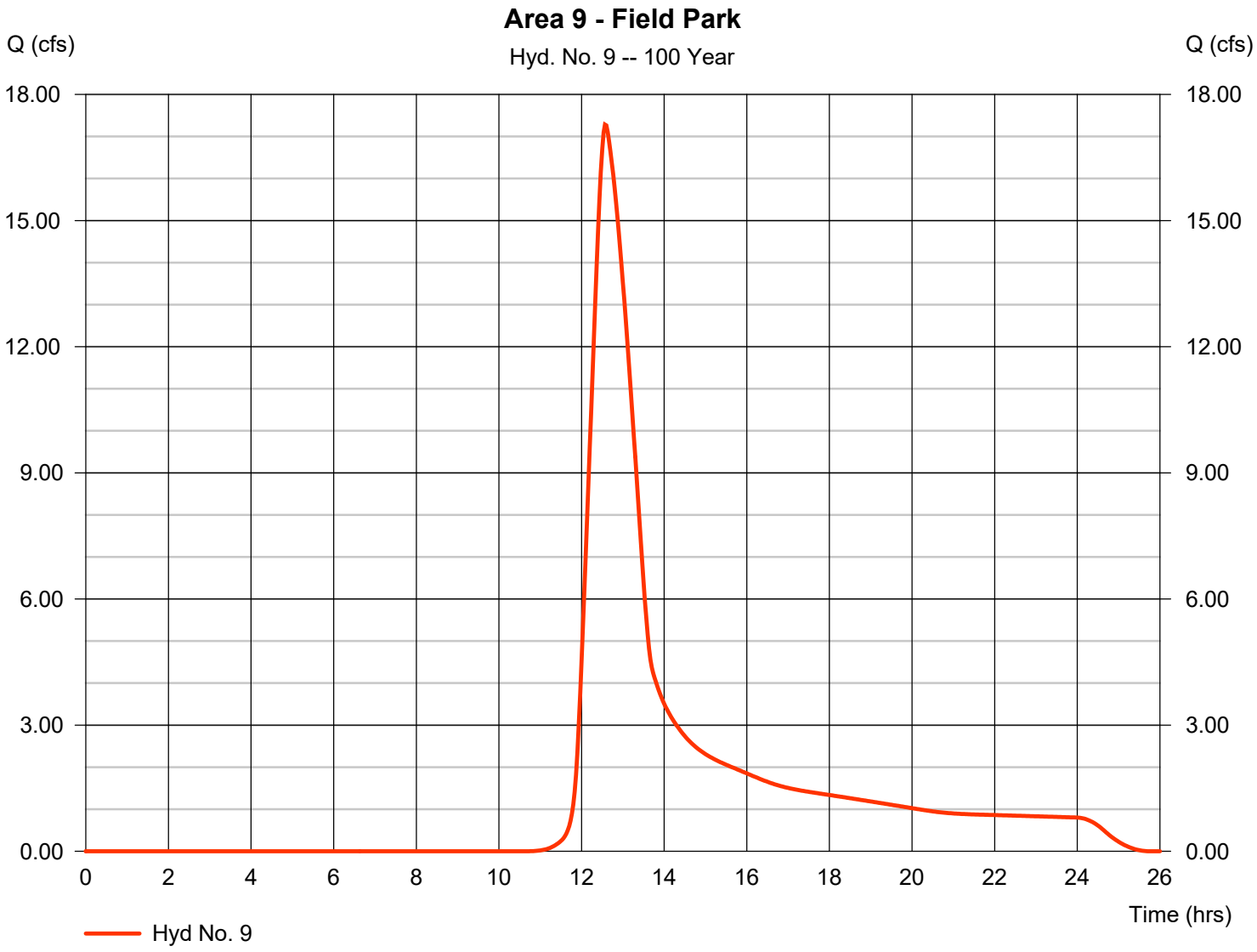
# Hydrograph Report



## Hyd. No. 9

Area 9 - Field Park

| | | | |
|---|---|---|---|
| Hydrograph type | = SCS Runoff | Peak discharge | = 17.28 cfs |
| Storm frequency | = 100 yrs | Time to peak | = 12.57 hrs |
| Time interval | = 2 min | Hyd. volume | = 128,896 cuft |
| Drainage area | = 16.800 ac | Curve number | = 61 |
| Basin Slope | = 0.0 % | Hydraulic length | = 0 ft |
| Tc method | = User | Time of conc. (Tc) | = 66.30 min |
| Total precip. | = 6.18 in | Distribution | = Type II |
| Storm duration | = 24 hrs | Shape factor | = 484 |



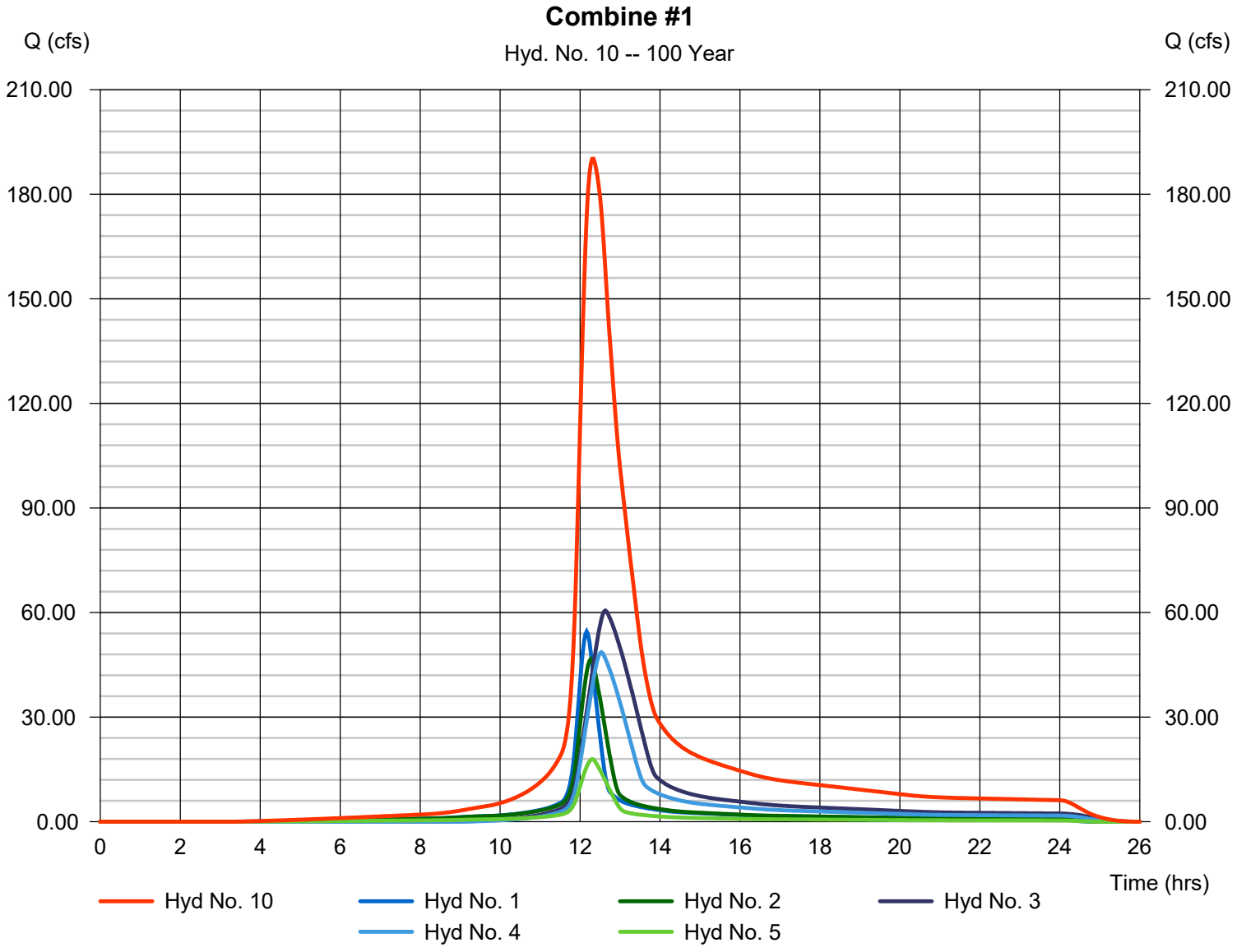
# Hydrograph Report



## Hyd. No. 10

Combine #1

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Combine | Peak discharge | = | 190.17 cfs |
| Storm frequency | = | 100 yrs | Time to peak | = | 12.33 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 1,345,452 cuft |
| Inflow hyds. | = | 1, 2, 3, 4, 5 | Contrib. drain. area | = | 100.100 ac |



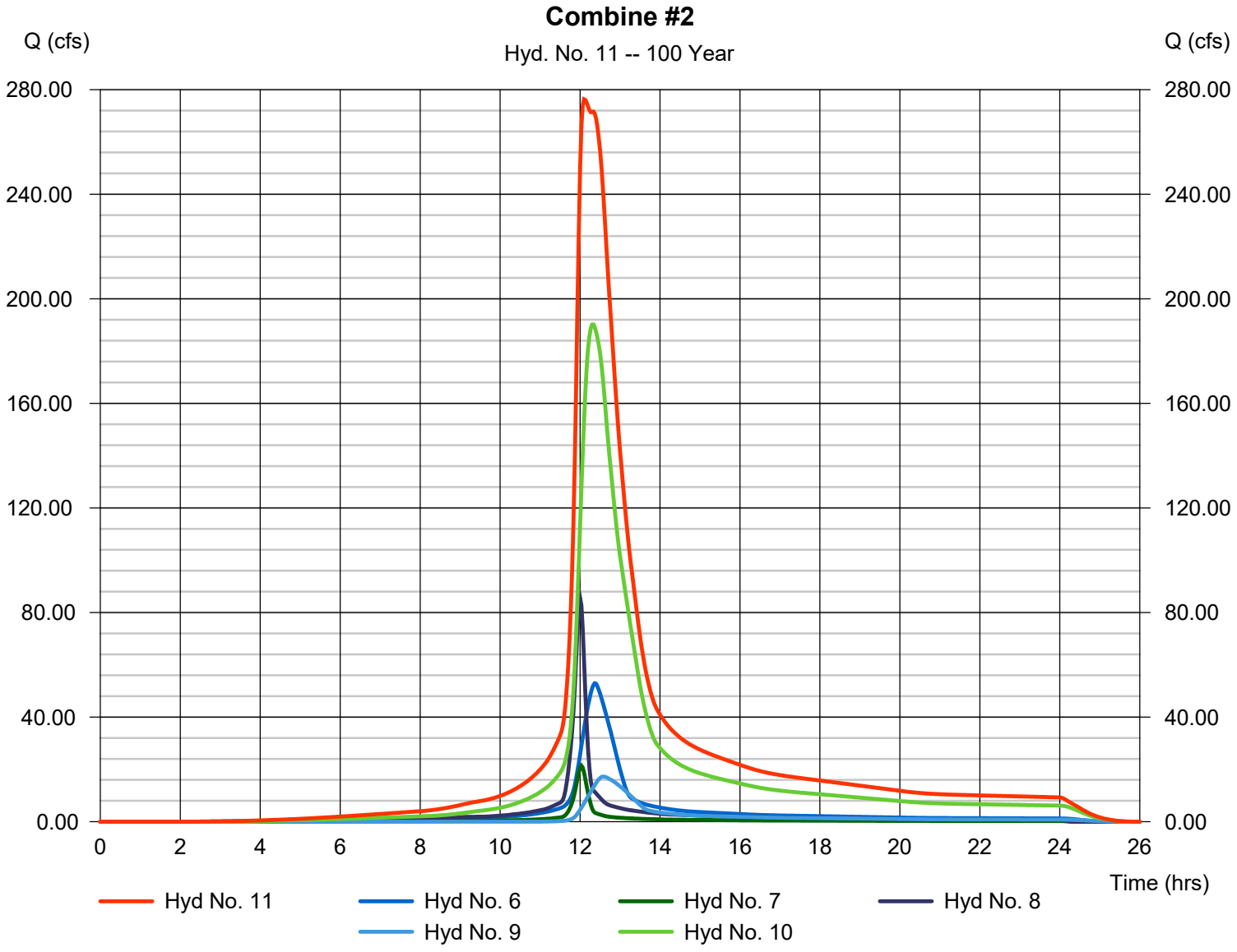
# Hydrograph Report



## Hyd. No. 11

Combine #2

| | | | |
|---|---|---|---|
| Hydrograph type | = Combine | Peak discharge | = 276.34 cfs |
| Storm frequency | = 100 yrs | Time to peak | = 12.10 hrs |
| Time interval | = 2 min | Hyd. volume | = 2,078,725 cuft |
| Inflow hyds. | = 6, 7, 8, 9, 10 | Contrib. drain. area | = 51.200 ac |



# Hydrograph Report

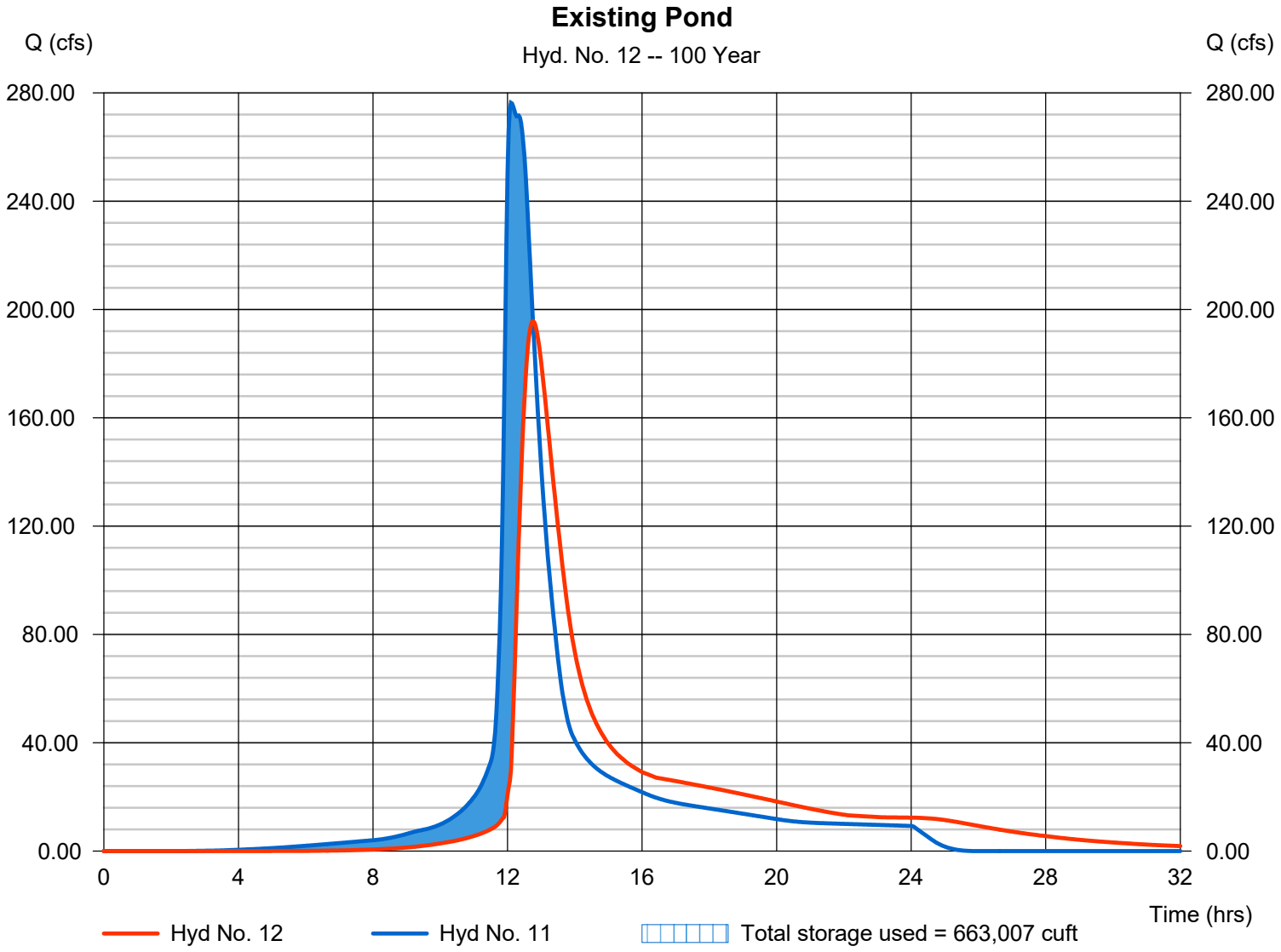


## Hyd. No. 12

Existing Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Reservoir | Peak discharge | = | 195.67 cfs |
| Storm frequency | = | 100 yrs | Time to peak | = | 12.77 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 2,074,614 cuft |
| Inflow hyd. No. | = | 11 - Combine #2 | Max. Elevation | = | 820.99 ft |
| Reservoir name | = | Existing Pond Condition | Max. Storage | = | 663,007 cuft |

Storage Indication method used.



# Hydrograph Report

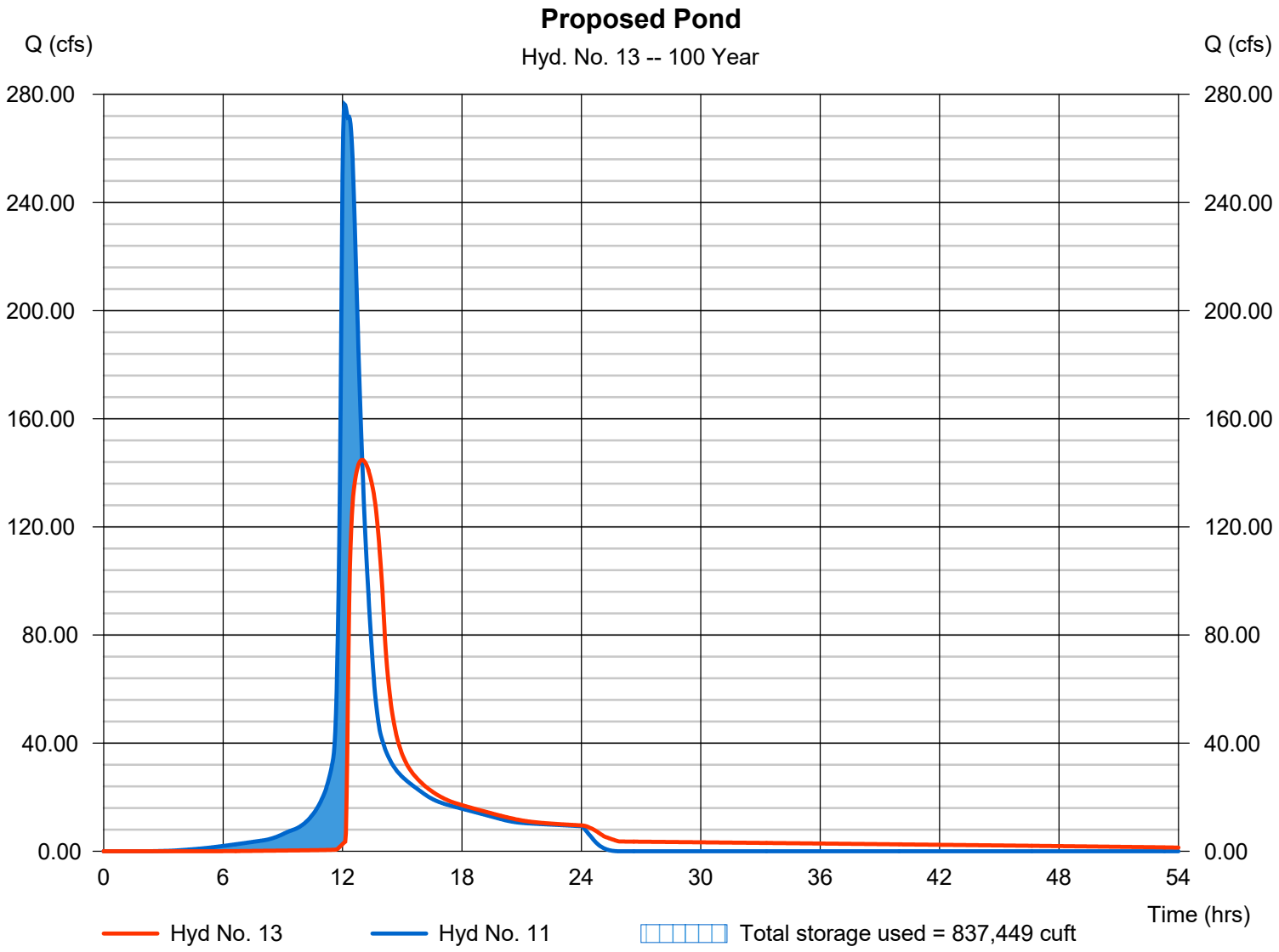


## Hyd. No. 13

Proposed Pond

| | | | | | |
|---|---|---|---|---|---|
| Hydrograph type | = | Reservoir | Peak discharge | = | 144.78 cfs |
| Storm frequency | = | 100 yrs | Time to peak | = | 13.00 hrs |
| Time interval | = | 2 min | Hyd. volume | = | 1,942,656 cuft |
| Inflow hyd. No. | = | 11 - Combine #2 | Max. Elevation | = | 823.03 ft |
| Reservoir name | = | Proposed Pond Condition | Max. Storage | = | 837,449 cuft |

Storage Indication method used.



# Hydraflow Rainfall Report



| Return Period (Yrs) | Intensity-Duration-Frequency Equation Coefficients (FHA) | | | |
|---|---|---|---|---|
| | B | D | E | (N/A) |
| 1 | 30.1424 | 7.7000 | 0.7987 | -------- |
| 2 | 26.3157 | 5.8000 | 0.7259 | -------- |
| 3 | 0.0000 | 0.0000 | 0.0000 | -------- |
| 5 | 25.6132 | 4.2000 | 0.6633 | -------- |
| 10 | 28.0736 | 4.0000 | 0.6438 | -------- |
| 25 | 28.8888 | 2.9000 | 0.6058 | -------- |
| 50 | 29.6692 | 2.3000 | 0.5810 | -------- |
| 100 | 31.8157 | 2.1000 | 0.5703 | -------- |

File name: Atlas14_Racine Co.IDF

**Intensity = B / (Tc + D)^E**

| Return Period (Yrs) | Intensity Values (in/hr) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 min | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| 1 | 3.96 | 3.04 | 2.49 | 2.12 | 1.86 | 1.66 | 1.50 | 1.38 | 1.27 | 1.18 | 1.11 | 1.04 |
| 2 | 4.68 | 3.55 | 2.91 | 2.49 | 2.19 | 1.96 | 1.78 | 1.64 | 1.52 | 1.42 | 1.33 | 1.26 |
| 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 | 5.88 | 4.41 | 3.61 | 3.09 | 2.73 | 2.46 | 2.25 | 2.08 | 1.93 | 1.81 | 1.71 | 1.62 |
| 10 | 6.82 | 5.13 | 4.22 | 3.63 | 3.21 | 2.90 | 2.65 | 2.46 | 2.29 | 2.15 | 2.03 | 1.93 |
| 25 | 8.26 | 6.14 | 5.03 | 4.33 | 3.85 | 3.48 | 3.19 | 2.96 | 2.77 | 2.61 | 2.47 | 2.35 |
| 50 | 9.35 | 6.90 | 5.66 | 4.89 | 4.34 | 3.94 | 3.62 | 3.37 | 3.16 | 2.98 | 2.82 | 2.69 |
| 100 | 10.40 | 7.68 | 6.30 | 5.44 | 4.85 | 4.40 | 4.05 | 3.77 | 3.54 | 3.34 | 3.17 | 3.02 |

Tc = time in minutes. Values may exceed 60.

Precip. file name: R:\APPS\Autodesk\Hydrology\Hydraflow\Atlas14_Waukesha Co_24hr.pcp

| Storm Distribution | Rainfall Precipitation Table (in) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1-yr | 2-yr | 3-yr | 5-yr | 10-yr | 25-yr | 50-yr | 100-yr |
| SCS 24-hour | 2.40 | 2.70 | 0.00 | 3.27 | 3.81 | 4.66 | 5.38 | 6.18 |
| SCS 6-Hr | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Huff-1st | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Huff-2nd | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Huff-3rd | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Huff-4th | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Huff-Indy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Custom | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

# APPENDIX 3

# USDA SOIL REPORT

Soil Map—Milwaukee and Waukesha Counties, Wisconsin
(Pick N' Save Pond Retrofit)

Map Scale: 1:8,110 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 100 200 400 600

Feet
0 350 700 1400 2100

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

## 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.

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 14, Sep 12, 2018

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

Date(s) aerial images were photographed: Apr 29, 2011—Mar 28, 2012

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 |
|---|---|---|---|
| CeB | Casco loam, 2 to 6 percent slopes | 8.9 | 5.7% |
| CeC2 | Casco loam, 6 to 12 percent slopes, eroded | 7.3 | 4.7% |
| CeD2 | Casco loam, 12 to 20 percent slopes, eroded | 0.9 | 0.6% |
| FoB | Fox loam, 2 to 6 percent slopes | 80.2 | 51.6% |
| MxB | Miami loam, sandy loam substratum, 2 to 6 percent slopes | 16.9 | 10.9% |
| MxD2 | Miami loam, sandy loam substratum, 12 to 20 percent slopes, eroded | 3.7 | 2.4% |
| Sf | Sandy and gravelly land | 37.3 | 24.0% |
| Sm | Sebewa silt loam, 0 to 2 percent slopes | 0.1 | 0.1% |
| **Totals for Area of Interest** | | **155.4** | **100.0%** |

# APPENDIX 4

# WINSLAMM LAND USE MAP

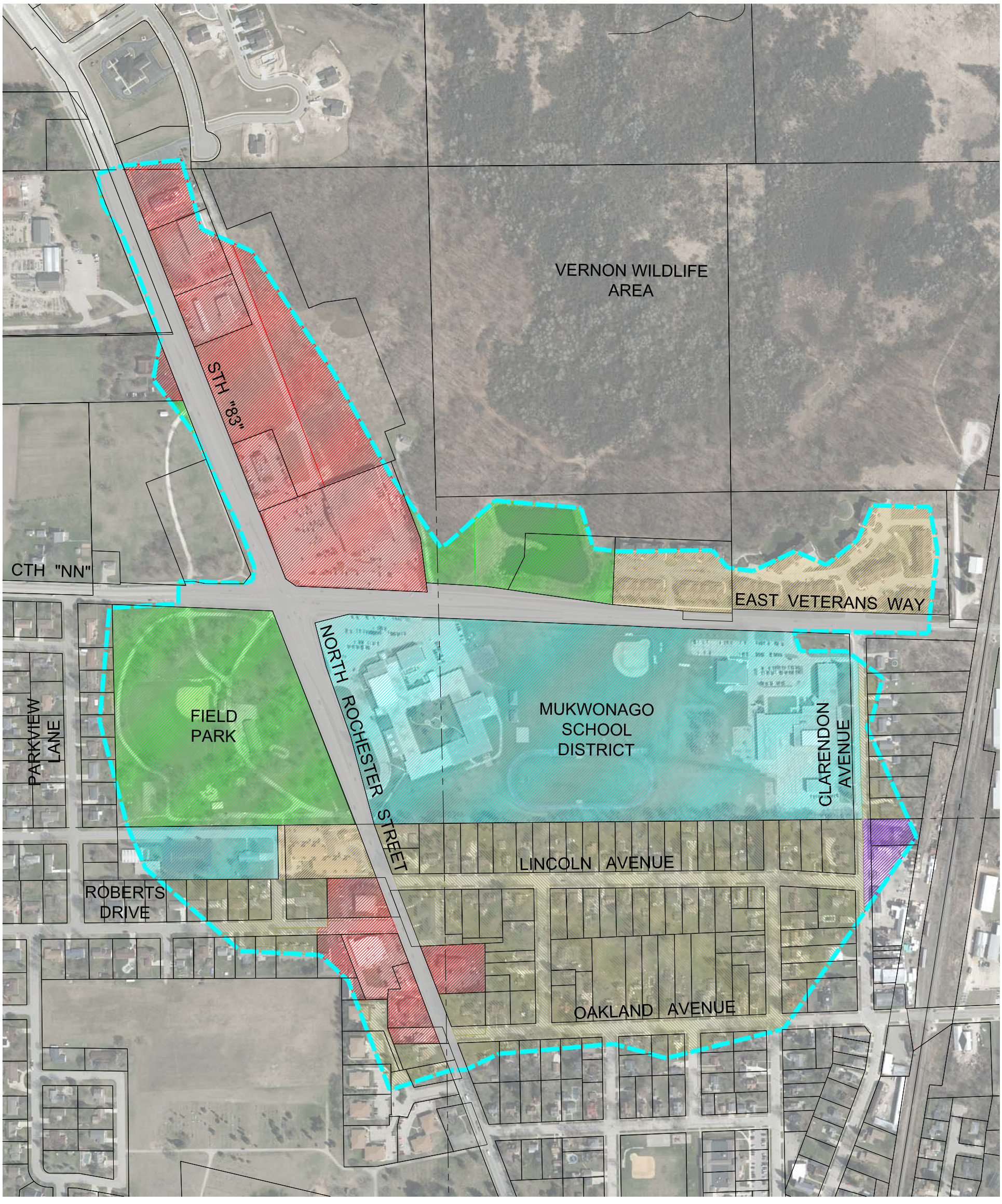
Mar 25, 2019 10:34am PLOTTED BY: MMichalski SAVED BY: MMichalski
G:\C3D_2018\12_Village of Mukwonago\10086_PICK N SAVE POND\dwg\Zcex WinSLAMM Basin Map.dwg Layout1
IMAGES: G:\C3D_2018\12_Village of Mukwonago\10086_PICK N SAVE POND\dwg\im15_6_0518_Clip.sid; G:\SYM\RM SQUARE_Full Color-Print.jpg; G:\C3D_2018\12_Village of Mukwonago\10086_PICK N SAVE POND\dwg\Waukesha County Drainage Exhibit.jpg;
XREFS: .\Waukesha County Drainage Basin.dwg; N:\CADASTRL\WAUK_CO\20081231_DWG\0518.dwg

RM1117LB

# EXHIBIT #2

## WINSLAMM LAND USE MAP

## VILLAGE OF MUKWONAGO
## WAUKESHA/ WALWORTH COUNTY, WISCONSIN




### LEGEND

- BASIN BOUNDARY
- RESIDENTIAL - HIGH
- RESIDENTIAL - MEDIUM
- INDUSTRIAL
- COMMERCIAL
- INSTITUTIONAL
- OPEN SPACE/ UNDEVELOPED
- MAJOR ROADWAY

The Village of Mukwonago
Where life, leisure and business thrive.

N
W E
S

0 100 200 400 800
SCALE IN FEET

DATE: FEBRUARY, 2019

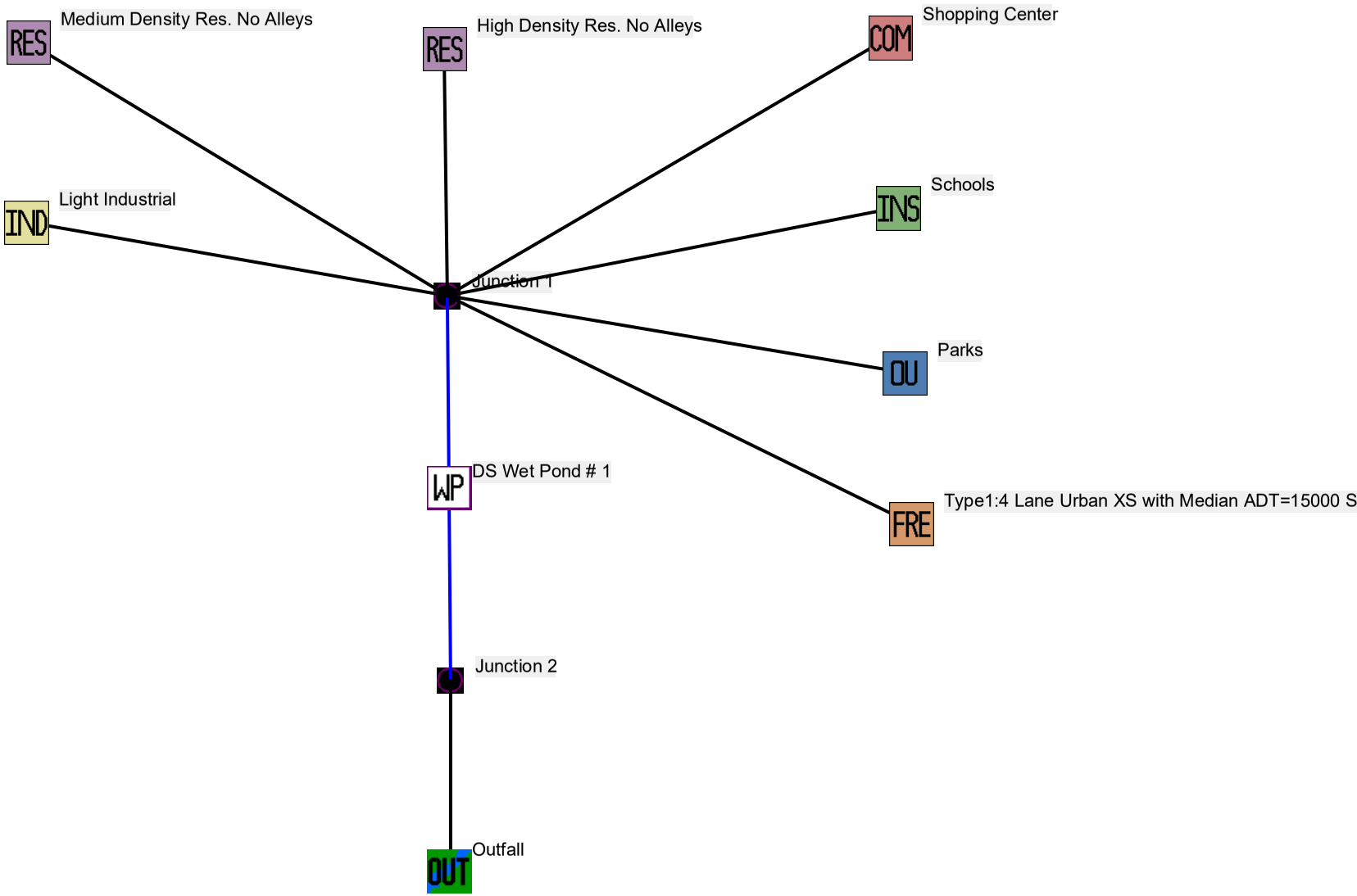
© 2019 Copyright Ruekert & Mielke, Inc.

SOURCE:
BASEMAP SOURCE:

Ruekert • Mielk
www.ruekertmielke.com

# APPENDIX 5

# EXISTING POND CONDITIONS WATER QUALITY ANALYSIS


RES
Medium Density Res. No Alleys
RES
High Density Res. No Alleys
COM
Shopping Center
IND
Light Industrial
INS
Schools
Junction 1
OU
Parks
WP
DS Wet Pond # 1
FRE
Type1:4 Lane Urban XS with Median ADT=15000 S
Junction 2
OUT
Outfall

Data file name: R:\CLIENTS DATA\12 Mukwonago\12-10086\Pick N Save Pond_Existing Conditions-20190401.mdb
WinSLAMM Version 10.4.1
Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Milwaukee WI 1969.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_Res and Other Urban Dec06.std
Industrial Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban 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\WI_Com Inst Indust 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:
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: 04-02-2019 Time: 10:03:18
Site information:

LU# 1 - Residential: Medium Density Res. No Alleys Total area (ac): 40.760
- 3 - Roofs 3: 1.834 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 6 - Roofs 6: 4.280 ac. Pitched Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 13 - Paved Parking 1: 0.082 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 2.283 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 27 - Driveways 3: 0.774 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.448 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 33 - Sidewalks 3: 0.448 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 37 - Streets1: 1.508 ac. Smooth Street Length = 0.8152 curb-mi Street Width (assuming two curb-mi per street mile) = 30.525 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 38 - Streets 2: 3.098 ac. Intermediate Street Length = 1.6304 curb-mi Street Width (assuming two curb-mi per street mile) = 31.35 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 39 - Streets 3: 0.611 ac. Rough Street Length = 0.32608 curb-mi Street Width (assuming two curb-mi per street mile) = 30.9375 ft
  Default St. Dirt Accum. Annual Winter Load = 2750 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 46 - Large Landscaped Areas 2: 0.082 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 52 - Small Landscaped Areas 2: 23.437 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 58 - Undeveloped Areas 2: 0.163 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 69 - Isolated Areas: 0.082 ac. PSD File: C:\WinSLAMM Files\NURP.cpz
- 72 - Other Pervious Areas 2: 1.630 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 2 - Residential: High Density Res. No Alleys Total area (ac): 9.550
- 3 - Roofs 3: 0.984 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 6 - Roofs 6: 1.060 ac. Pitched Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 1.347 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.191 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 33 - Sidewalks 3: 0.191 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 37 - Streets1: 0.430 ac. Smooth Street Length = 0.2292 curb-mi Street Width (assuming two curb-mi per street mile) = 30.9375 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 38 - Streets 2: 0.860 ac. Intermediate Street Length = 0.46795 curb-mi Street Width (assuming two curb-mi per street mile) = 30.30612 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 52 - Small Landscaped Areas 2: 3.916 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 69 - Isolated Areas: 0.010 ac. PSD File: C:\WinSLAMM Files\NURP.cpz
- 72 - Other Pervious Areas 2: 0.563 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 3 - Industrial: Light Industrial Total area (ac): 1.070
- 1 - Roofs 1: 0.219 ac. Flat Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 3 - Roofs 3: 0.027 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 5 - Roofs 5: 0.024 ac. Flat Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 13 - Paved Parking 1: 0.352 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 21 - Unpaved Parking 3: 0.068 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 0.027 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.014 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 37 - Streets1: 0.020 ac. Smooth Street Length = 9.095001E-03 curb-mi Street Width (assuming two curb-mi per street mile) = 35.71764 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 38 - Streets 2: 0.093 ac. Intermediate Street Length = 0.04387 curb-mi Street Width (assuming two curb-mi per street mile) = 34.93171 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 39 - Streets 3: 0.003 ac. Rough Street Length = 0.001605 curb-mi Street Width (assuming two curb-mi per street mile) = 35.2 ft
  Default St. Dirt Accum. Annual Winter Load = 2750 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 46 - Large Landscaped Areas 2: 0.038 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 52 - Small Landscaped Areas 2: 0.106 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 58 - Undeveloped Areas 2: 0.046 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 72 - Other Pervious Areas 2: 0.030 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 79 - Other Part Con Imp Areas 2: 0.002 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 4 - Commercial: Shopping Center Total area (ac): 23.590
- 1 - Roofs 1: 5.098 ac. Flat Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 13 - Paved Parking 1: 14.314 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 19 - Unpaved Parking 1: 0.080 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 0.427 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.127 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 37 - Streets1: 0.995 ac. Smooth Street Length = 0.271285 curb-mi Street Width (assuming two curb-mi per street mile) = 60.54782 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz

38 - Streets 2: 0.512 ac. Intermediate Street Length = 0.139181 curb-mi Street Width (assuming two curb-mi per street mile) = 60.68644 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
52 - Small Landscaped Areas 2: 1.069 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
58 - Undeveloped Areas 2: 0.691 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
72 - Other Pervious Areas 2: 0.193 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
77 - Other Direct Con Imp Areas: 0.083 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 5 - Institutional: Schools Total area (ac): 39.850
1 - Roofs 1: 5.978 ac. Flat Connected PSD File: C:\WinSLAMM Files\NURP.cpz
13 - Paved Parking 1: 4.244 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.789 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 1.160 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets1: 1.068 ac. Smooth Street Length = 0.49414 curb-mi Street Width (assuming two curb-mi per street mile) = 35.66129 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
38 - Streets 2: 1.726 ac. Intermediate Street Length = 0.797 curb-mi Street Width (assuming two curb-mi per street mile) = 35.7225 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
39 - Streets 3: 0.654 ac. Rough Street Length = 0.30286 curb-mi Street Width (assuming two curb-mi per street mile) = 35.60527 ft
Default St. Dirt Accum. Annual Winter Load = 2750 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
46 - Large Landscaped Areas 2: 8.803 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
52 - Small Landscaped Areas 2: 6.946 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
58 - Undeveloped Areas 2: 0.167 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
63 - Paved Playgrounds 1: 6.906 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
72 - Other Pervious Areas 2: 0.873 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
79 - Other Part Con Imp Areas 2: 0.538 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 6 - Other Urban: Parks Total area (ac): 21.290
1 - Roofs 1: 0.021 ac. Flat Connected PSD File: C:\WinSLAMM Files\NURP.cpz
3 - Roofs 3: 0.023 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz
6 - Roofs 6: 0.053 ac. Pitched Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
13 - Paved Parking 1: 0.892 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
21 - Unpaved Parking 3: 0.047 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.258 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.104 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets1: 0.213 ac. Smooth Street Length = 0.131998 curb-mi Street Width (assuming two curb-mi per street mile) = 26.6129 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
38 - Streets 2: 0.483 ac. Intermediate Street Length = 0.293802 curb-mi Street Width (assuming two curb-mi per street mile) = 27.1413 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
46 - Large Landscaped Areas 2: 16.596 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
52 - Small Landscaped Areas 2: 0.181 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
63 - Paved Playgrounds 1: 0.192 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
65 - Paved Playgrounds 3: 0.192 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
69 - Isolated Areas: 1.507 ac. PSD File: C:\WinSLAMM Files\NURP.cpz
79 - Other Part Con Imp Areas 2: 0.528 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 7 - Freeway: Type1:4 Lane Urban XS with Median ADT=15000 SlopeS1 Total area (ac): 15.190
1 - Paved Lane/Shlder Area 1: 6.026 ac. Poor/Flat C&G Freeway Length = 0.695702 mi Freeway Width (assuming two curb-mi per freeway mile) = 142.9 ft
ADT = 15000 veh/day Default Initial St. Dirt Loading PSD File: C:\WinSLAMM Files\NURP.cpz
20 - Large Turf Areas 2: 9.164 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

Control Practice 1: Wet Detention Pond CP# 1 (DS) - DS Wet Pond # 1
Particle Size Distribution file name: Not needed - calculated by program
Initial stage elevation (ft): 5.5
Peak to Average Flow Ratio: 3.8
Maximum flow allowed into pond (cfs): No maximum value entered
Outlet Characteristics:
Outlet type: Orifice 1
1. Orifice diameter (ft): 2.25
2. Number of orifices: 1
3. Invert elevation above datum (ft): 5.5
Outlet type: Broad Crested Weir
1. Weir crest length (ft): 10
2. Weir crest width (ft): 10
3. Height from datum to bottom of weir opening: 9
Pond stage and surface area

| Entry Number | Stage (ft) | Pond Area (acres) | Natural Seepage (in/hr) | Other Outflow (cfs) |
|---|---|---|---|---|
| 0 | 0.00 | 0.0000 | 0.00 | 0.00 |
| 1 | 0.50 | 1.3680 | 0.00 | 0.00 |
| 2 | 1.50 | 1.4130 | 0.00 | 0.00 |
| 3 | 2.50 | 1.5030 | 0.00 | 0.00 |
| 4 | 3.50 | 1.5950 | 0.00 | 0.00 |
| 5 | 4.50 | 1.6900 | 0.00 | 0.00 |
| 6 | 5.50 | 2.0920 | 0.00 | 0.00 |
| 7 | 6.50 | 2.2950 | 0.00 | 0.00 |
| 8 | 7.50 | 2.4750 | 0.00 | 0.00 |
| 9 | 8.50 | 2.5770 | 0.00 | 0.00 |
| 10 | 9.50 | 2.6700 | 0.00 | 0.00 |
| 11 | 10.50 | 2.7590 | 0.00 | 0.00 |
| 12 | 11.50 | 2.8460 | 0.00 | 0.00 |

SLAMM for Windows Version 10.4.1
(c) Copyright Robert Pitt and John Voorhees 2019, All Rights Reserved

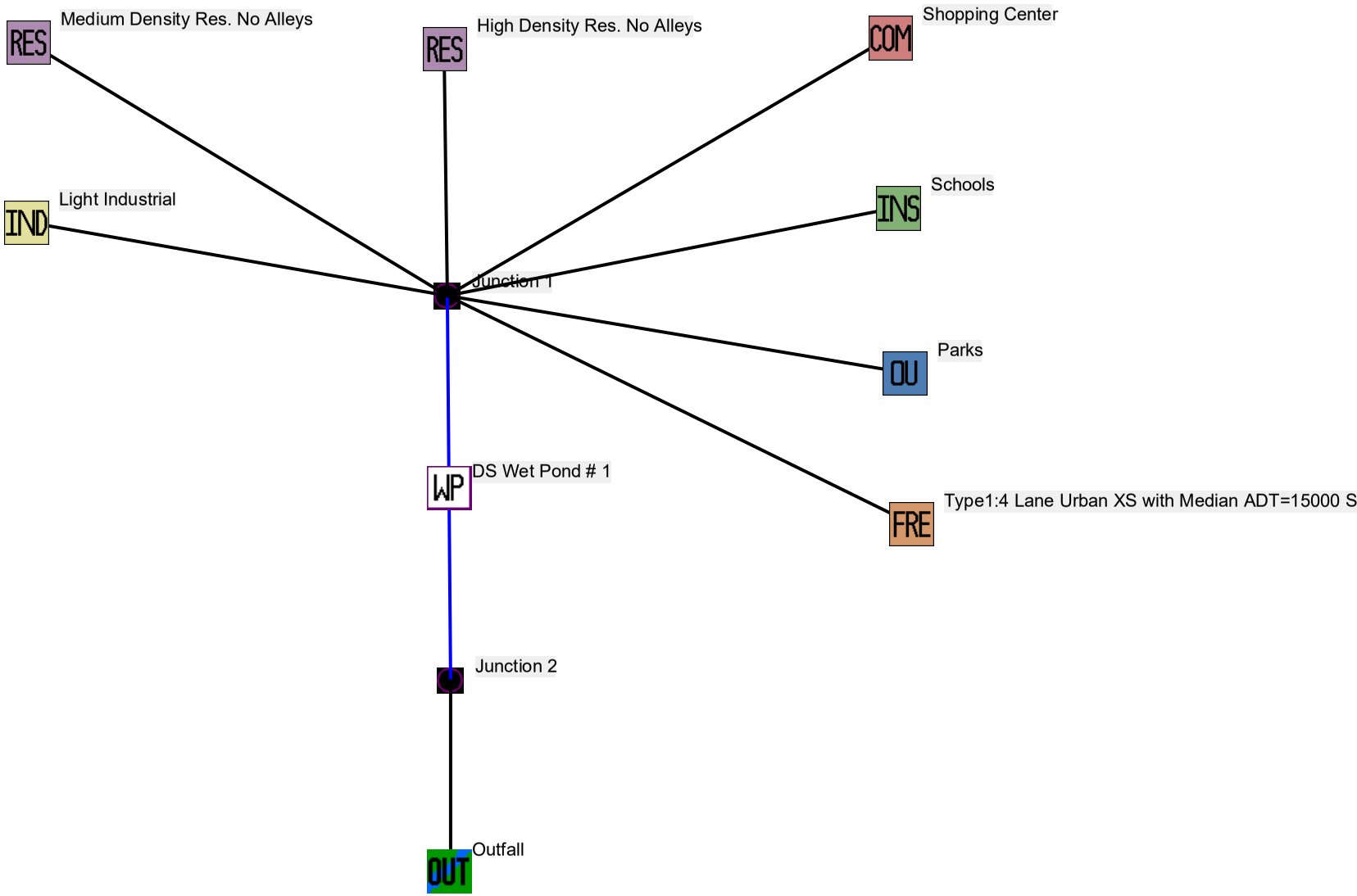
Data file name: R:\CLIENTS DATA\12 Mukwonago\12-10086\Pick N Save Pond_Existing Conditions-20190401.mdb
WinSLAMM Version 10.4.1
Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Milwaukee WI 1969.RAN
Particulate Solids Concentration file name: C:\WinSLAMM Files\v10.1 WI_AVG01.pscx
Runoff Coefficient 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_Res and Other Urban Dec06.std
Industrial Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban 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\WI_Com Inst Indust 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:
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: 04-02-2019 Time of run: 10:07:02
Total Area Modeled (acres): 151.300
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: | 5.789E+06 | - | 132.1 | 47742 | - |
| Outfall Total with Controls: | 5.796E+06 | -0.12% | 44.43 | 16074 | 66.33% |
| Annualized Total After Outfall Controls: | 5.876E+06 | | | 16297 | |

| Pollutant | Conc. No Controls | Conc. With Controls | Conc. Units | Pollutant Yield No Controls | Pollutant Yield With Controls | Pol. Yield Units | Percent Reduction |
|---|---|---|---|---|---|---|---|
| Particulate Solids | 132.1 | 44.43 | mg/L | 47742 | 16074 | lbs | 66.33 % |
| Particulate Phosphorus | 0.3144 | 0.1085 | mg/L | 113.6 | 39.24 | lbs | 65.46 % |
| Nitrate | 0.4064 | 0.4063 | mg/L | 146.9 | 147.0 | lbs | -0.11 % |

# APPENDIX 6

# PROPOSED POND CONDITIONS WATER QUALITY ANALYSIS


RES
Medium Density Res. No Alleys
RES
High Density Res. No Alleys
COM
Shopping Center
IND
Light Industrial
INS
Schools
Junction 1
OU
Parks
WP
DS Wet Pond # 1
FRE
Type1:4 Lane Urban XS with Median ADT=15000 S
Junction 2
OUT
Outfall

Data file name: R:\CLIENTS DATA\12 Mukwonago\12-10086\Pick N Save Pond_Proposed Conditions-20190401.mdb
WinSLAMM Version 10.4.1
Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Milwaukee WI 1969.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_Res and Other Urban Dec06.std
Industrial Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban 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\WI_Com Inst Indust 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:
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: 04-02-2019 Time: 10:10:12
Site information:

LU# 1 - Residential: Medium Density Res. No Alleys Total area (ac): 40.760
- 3 - Roofs 3: 1.834 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 6 - Roofs 6: 4.280 ac. Pitched Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 13 - Paved Parking 1: 0.082 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 2.283 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 27 - Driveways 3: 0.774 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.448 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 33 - Sidewalks 3: 0.448 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 37 - Streets1: 1.508 ac. Smooth Street Length = 0.8152 curb-mi Street Width (assuming two curb-mi per street mile) = 30.525 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 38 - Streets 2: 3.098 ac. Intermediate Street Length = 1.6304 curb-mi Street Width (assuming two curb-mi per street mile) = 31.35 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 39 - Streets 3: 0.611 ac. Rough Street Length = 0.32608 curb-mi Street Width (assuming two curb-mi per street mile) = 30.9375 ft
  Default St. Dirt Accum. Annual Winter Load = 2750 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 46 - Large Landscaped Areas 2: 0.082 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 52 - Small Landscaped Areas 2: 23.437 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 58 - Undeveloped Areas 2: 0.163 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 69 - Isolated Areas: 0.082 ac. PSD File: C:\WinSLAMM Files\NURP.cpz
- 72 - Other Pervious Areas 2: 1.630 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 2 - Residential: High Density Res. No Alleys Total area (ac): 9.550
- 3 - Roofs 3: 0.984 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 6 - Roofs 6: 1.060 ac. Pitched Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 1.347 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.191 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 33 - Sidewalks 3: 0.191 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 37 - Streets1: 0.430 ac. Smooth Street Length = 0.2292 curb-mi Street Width (assuming two curb-mi per street mile) = 30.9375 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 38 - Streets 2: 0.860 ac. Intermediate Street Length = 0.46795 curb-mi Street Width (assuming two curb-mi per street mile) = 30.30612 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 52 - Small Landscaped Areas 2: 3.916 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 69 - Isolated Areas: 0.010 ac. PSD File: C:\WinSLAMM Files\NURP.cpz
- 72 - Other Pervious Areas 2: 0.563 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 3 - Industrial: Light Industrial Total area (ac): 1.070
- 1 - Roofs 1: 0.219 ac. Flat Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 3 - Roofs 3: 0.027 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 5 - Roofs 5: 0.024 ac. Flat Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 13 - Paved Parking 1: 0.352 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 21 - Unpaved Parking 3: 0.068 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 0.027 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.014 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 37 - Streets1: 0.020 ac. Smooth Street Length = 9.095001E-03 curb-mi Street Width (assuming two curb-mi per street mile) = 35.71764 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 38 - Streets 2: 0.093 ac. Intermediate Street Length = 0.04387 curb-mi Street Width (assuming two curb-mi per street mile) = 34.93171 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 39 - Streets 3: 0.003 ac. Rough Street Length = 0.001605 curb-mi Street Width (assuming two curb-mi per street mile) = 35.2 ft
  Default St. Dirt Accum. Annual Winter Load = 2750 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
- 46 - Large Landscaped Areas 2: 0.038 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 52 - Small Landscaped Areas 2: 0.106 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 58 - Undeveloped Areas 2: 0.046 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 72 - Other Pervious Areas 2: 0.030 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
- 79 - Other Part Con Imp Areas 2: 0.002 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 4 - Commercial: Shopping Center Total area (ac): 23.590
- 1 - Roofs 1: 5.098 ac. Flat Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 13 - Paved Parking 1: 14.314 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 19 - Unpaved Parking 1: 0.080 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 0.427 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.127 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
- 37 - Streets1: 0.995 ac. Smooth Street Length = 0.271285 curb-mi Street Width (assuming two curb-mi per street mile) = 60.54782 ft
  Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz

38 - Streets 2: 0.512 ac. Intermediate Street Length = 0.139181 curb-mi Street Width (assuming two curb-mi per street mile) = 60.68644 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
52 - Small Landscaped Areas 2: 1.069 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
58 - Undeveloped Areas 2: 0.691 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
72 - Other Pervious Areas 2: 0.193 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
77 - Other Direct Con Imp Areas: 0.083 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 5 - Institutional: Schools Total area (ac): 39.850
1 - Roofs 1: 5.978 ac. Flat Connected PSD File: C:\WinSLAMM Files\NURP.cpz
13 - Paved Parking 1: 4.244 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.789 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 1.160 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets1: 1.068 ac. Smooth Street Length = 0.49414 curb-mi Street Width (assuming two curb-mi per street mile) = 35.66129 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
38 - Streets 2: 1.726 ac. Intermediate Street Length = 0.797 curb-mi Street Width (assuming two curb-mi per street mile) = 35.7225 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
39 - Streets 3: 0.654 ac. Rough Street Length = 0.30286 curb-mi Street Width (assuming two curb-mi per street mile) = 35.60527 ft
Default St. Dirt Accum. Annual Winter Load = 2750 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
46 - Large Landscaped Areas 2: 8.803 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
52 - Small Landscaped Areas 2: 6.946 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
58 - Undeveloped Areas 2: 0.167 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
63 - Paved Playgrounds 1: 6.906 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
72 - Other Pervious Areas 2: 0.873 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
79 - Other Part Con Imp Areas 2: 0.538 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 6 - Other Urban: Parks Total area (ac): 21.290
1 - Roofs 1: 0.021 ac. Flat Connected PSD File: C:\WinSLAMM Files\NURP.cpz
3 - Roofs 3: 0.023 ac. Pitched Connected PSD File: C:\WinSLAMM Files\NURP.cpz
6 - Roofs 6: 0.053 ac. Pitched Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
13 - Paved Parking 1: 0.892 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
21 - Unpaved Parking 3: 0.047 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
25 - Driveways 1: 0.258 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
31 - Sidewalks 1: 0.104 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
37 - Streets1: 0.213 ac. Smooth Street Length = 0.131998 curb-mi Street Width (assuming two curb-mi per street mile) = 26.6129 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
38 - Streets 2: 0.483 ac. Intermediate Street Length = 0.293802 curb-mi Street Width (assuming two curb-mi per street mile) = 27.1413 ft
Default St. Dirt Accum. Annual Winter Load = 2500 lbs PSD File: C:\WinSLAMM Files\NURP.cpz
46 - Large Landscaped Areas 2: 16.596 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
52 - Small Landscaped Areas 2: 0.181 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
63 - Paved Playgrounds 1: 0.192 ac. Connected PSD File: C:\WinSLAMM Files\NURP.cpz
65 - Paved Playgrounds 3: 0.192 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz
69 - Isolated Areas: 1.507 ac. PSD File: C:\WinSLAMM Files\NURP.cpz
79 - Other Part Con Imp Areas 2: 0.528 ac. Disconnected Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 7 - Freeway: Type1:4 Lane Urban XS with Median ADT=15000 SlopeS1 Total area (ac): 15.190
1 - Paved Lane/Shlder Area 1: 6.026 ac. Poor/Flat C&G Freeway Length = 0.695702 mi Freeway Width (assuming two curb-mi per freeway mile) = 142.9 ft
ADT = 15000 veh/day Default Initial St. Dirt Loading PSD File: C:\WinSLAMM Files\NURP.cpz
20 - Large Turf Areas 2: 9.164 ac. Normal Silty PSD File: C:\WinSLAMM Files\NURP.cpz

Control Practice 1: Wet Detention Pond CP# 1 (DS) - DS Wet Pond # 1

Particle Size Distribution file name: Not needed - calculated by program

Initial stage elevation (ft): 4.5

Peak to Average Flow Ratio: 3.8

Maximum flow allowed into pond (cfs): No maximum value entered

Outlet Characteristics:

Outlet type: Orifice 1

1. Orifice diameter (ft): 0.33
2. Number of orifices: 1
3. Invert elevation above datum (ft): 4.5

Outlet type: Orifice 2

1. Orifice diameter (ft): 0.67
2. Number of orifices: 1
3. Invert elevation above datum (ft): 6.5

Outlet type: Broad Crested Weir

1. Weir crest length (ft): 10
2. Weir crest width (ft): 10
3. Height from datum to bottom of weir opening: 13

Outlet type: Vertical Stand Pipe

1. Stand pipe diameter (ft): 7
2. Stand pipe height above datum (ft): 9.5

Pond stage and surface area

| Entry Number | Stage (ft) | Pond Area (acres) | Natural Seepage (in/hr) | Other Outflow (cfs) |
|---|---|---|---|---|
| 0 | 0.00 | 0.0000 | 0.00 | 0.00 |
| 1 | 0.50 | 1.2377 | 0.00 | 0.00 |
| 2 | 1.50 | 1.3253 | 0.00 | 0.00 |
| 3 | 2.50 | 1.4151 | 0.00 | 0.00 |
| 4 | 3.50 | 1.5071 | 0.00 | 0.00 |
| 5 | 4.50 | 1.8920 | 0.00 | 0.00 |
| 6 | 5.50 | 2.0784 | 0.00 | 0.00 |
| 7 | 6.50 | 2.2356 | 0.00 | 0.00 |
| 8 | 7.50 | 2.3296 | 0.00 | 0.00 |
| 9 | 8.50 | 2.4177 | 0.00 | 0.00 |
| 10 | 9.50 | 2.5030 | 0.00 | 0.00 |
| 11 | 10.50 | 2.5872 | 0.00 | 0.00 |
| 12 | 11.50 | 2.6702 | 0.00 | 0.00 |
| 13 | 12.50 | 2.7535 | 0.00 | 0.00 |
| 14 | 13.50 | 2.8371 | 0.00 | 0.00 |

SLAMM for Windows Version 10.4.1
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Data file name: R:\CLIENTS DATA\12 Mukwonago\12-10086\Pick N Save Pond_Proposed Conditions-20190401.mdb
WinSLAMM Version 10.4.1
Rain file name: C:\WinSLAMM Files\Rain Files\WisReg - Milwaukee WI 1969.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_Res and Other Urban Dec06.std
Industrial Street Delivery file name: C:\WinSLAMM Files\WI_Res and Other Urban 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\WI_Com Inst Indust 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:
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: 04-02-2019 Time of run: 10:11:11
Total Area Modeled (acres): 151.300
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: | 5.789E+06 | - | 132.1 | 47742 | - |
| Outfall Total with Controls: | 5.796E+06 | -0.12% | 17.95 | 6496 | 86.39% |
| Annualized Total After Outfall Controls: | 5.876E+06 | | | 6586 | |

| Pollutant | Conc. No Controls | Conc. With Controls | Conc. Units | Pollutant Yield No Controls | Pollutant Yield With Controls | Pol. Yield Units | Percent Reduction |
|---|---|---|---|---|---|---|---|
| Particulate Solids | 132.1 | 17.95 | mg/L | 47742 | 6496 | lbs | 86.39 % |
| Particulate Phosphorus | 0.3144 | 0.04648 | mg/L | 113.6 | 16.82 | lbs | 85.20 % |
| Nitrate | 0.4064 | 0.3999 | mg/L | 146.9 | 144.7 | lbs | 1.48 % |

# APPENDIX 7

# STORM WATER FACILITY MAINTENANCE PLAN

**STORM WATER FACILITY MAINTENANCE PLAN**

**PICK N' SAVE POND RETROFIT**
**VILLAGE OF MUKWONAGO**

The storm water facilities, including outlet structures and spillways, should be inspected semi-annually to assure their functionality. Potential maintenance is likely to include removing debris from the outlet structure, repairing erosion rills or muskrat holes, trapping and removing problem pests, removal of woody vegetation within pond banks, removal or invasives, and dredging sediment as required. The pond should also be examined for erosion after severe storm events and restored as needed. The emergency spillways should also be inspected semi-annually and after severe rainfalls to check for vegetation stability. The Village of Mukwonago shall be responsible for this maintenance. While the Contractor performing the installation shall be responsible for providing site specific maintenance schedule, the following general maintenance schedule is provided:

The Village of Mukwonago owns the storm water facilities and will be responsible for all maintenance activities.

VEGETATION ON-GOING MAINTENANCE SCHEDULE:

| | |
|---|---|
| Year One (Same year as planting if spring seeding or following year if fall seeding) | 1. Control invasive weeds by cutting entire seeded area to a 6-inch height 2 times once each in June and early August. To prevent damage to native plants, do not mow below a 6" height.<br>2. Remove all clippings to avoid smothering next year's seedlings.<br>3. DO NOT PULL WEEDS, as pulling may uproot desirable plantings. |
| Year Two | 1. Mow entire area once in mid-spring to help control the spread of cool season weeds. The cutting level should be raised to 10-12" to avoid damage to the warm season plants.<br>2. Remove all clippings. |
| After Years One and Two | 1. Any major bare areas or areas taken over by invasive species must be sprayed and re-seeded. To clear invasive plants, spot-treat trouble areas with short duration glyphosate herbicide (i.e. Roundup) to kill invasive plants a minimum of 7 days before reseeding. Cut and treat trees growing within the pond side slopes.<br>2. Mow entire area once in mid-spring or late fall, mowing the vegetation to the ground. Annual burning of the native prairie may be introduced instead of mowing after 2 – 3 growing seasons.<br>3. Remove all clippings. |

Wet Detention Pond/ Sediment Forebay

To ensure proper function of the system, the following list of maintenance activities are recommended in addition to the general list above:

1. The pond should be checked annually for sedimentation. Over time the pond will collect sediment, debris and other pollutants. Once the level of the captured material reaches a height of three feet below the normal water surface elevation, the pond should be dredged to the original design depth and shape. This will prevent re-suspension of captured material and maintain the efficiency of the pond. It is recommended that sedimentation elevations be verified annually. Prior to removing sediment from the pond, it must be tested for hazardous substances. Removal of dredged material may require specific permits from the City and/or the State and may require specific disposal procedures. In addition, a Type A liner (DNR Technical Standard 1001) has been installed as part of the construction of the pond. Exercise extreme caution during excavation and grading of dredged material so as to not excavate through the liner, see the pond detail for planned liner locations and elevations.

# Accounts Payable Cover Sheet

| Report: | Period or corresponding report date | | |
|---|---|---|---|
| Village Accounts Payable | | $ | 483,417.87 |

**Total for Approval: $ 483,417.87**

**The preceding list of bills payable was approved for payment**

**Date:** _____

**Approved by:** _____

_____

_____

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: 10-33 VEHICLE SERVICES, LLC | | | | | | |
| 3758 | 10-33 -2025 TAHOE EQUIPMENT | 430-5700-571100 | 10,918.23 | 10,918.23 | POLICE | 05/22/2025 |
| TOTAL VENDOR 10-33 VEHICLE SERVICES, LLC | | | | 10,918.23 | | |
| VENDOR NAME: AIRGAS USA LLC | | | | | | |
| 9160488373 | EMS SUPPLIES | 150-5231-531100 | 504.24 | 504.24 | FIRE | 05/22/2025 |
| TOTAL VENDOR AIRGAS USA LLC | | | | 504.24 | | |
| VENDOR NAME: ALSCO | | | | | | |
| APRIL 2025 | CREDIT AGAINST PREVIOUSLY APPROVED INVOI | 100-5160-521900 | (48.43) | (48.43) | FINANCE | 05/22/2025 |
| IMIL2117015 | VILLAGE HALL WALKOFF MATS | 100-5160-521900 | 50.60 | 50.60 | DPW | 05/22/2025 |
| IMIL2115089 | ALSCO UNIFORMS | 100-5211-539400 | 38.00 | 38.00 | POLICE | 05/22/2025 |
| IMIL2118928 | ALSCO | 100-5211-539400 | 38.00 | 38.00 | POLICE | 05/22/2025 |
| TOTAL VENDOR ALSCO | | | | 78.17 | | |
| VENDOR NAME: AM TOWING | | | | | | |
| W38573 | CLEAN EARTH VAC TRUCK REPAIR | 620-8030-828000 | 9,627.46 | 9,627.46 | UTILITIES | 05/22/2025 |
| W39732 | AM TOWING - POLICE TOW | 100-5212-521900 | 258.00 | 258.00 | POLICE | 05/22/2025 |
| TOTAL VENDOR AM TOWING | | | | 9,885.46 | | |
| VENDOR NAME: AMAZON CAPITOL SERVICES | | | | | | |
| 1KW6-N7MK-WR6N | WARNING LIGHTS FOR 5910 TORO | 100-5324-539500 | 48.98 | 48.98 | DPW | 05/22/2025 |
| 1WW9-DLND-1F6V | STAFF MEETINGS | 100-5141-531100 | 82.42 | 82.42 | ADMIN | 05/22/2025 |
| 1DKD-14R9-4LNL | GRAVEL BED IRRIGATION LINE | 100-5611-531100 | 79.99 | 79.99 | DPW | 05/22/2025 |
| 1G7M-74TP-CFHF | BASEBALL HOME PLATES | 100-5521-531100 | 253.19 | 253.19 | DPW | 05/22/2025 |
| 1WHL-4F1J-MMPN | STRING TRIMMER PARTS | 100-5324-539500 | 22.90 | 22.90 | DPW | 05/22/2025 |
| 1TVY-6QJW-LKQQ | IT DEVICES | 100-5141-522950 | 213.14 | 213.14 | ADMIN | 05/22/2025 |
| TOTAL VENDOR AMAZON CAPITOL SERVICES | | | | 700.62 | | |
| VENDOR NAME: AMERICAN WATER WORKS ASSOC | | | | | | |
| SO228004 | MEMBERSHIP DUES | 610-6920-692300 | 450.00 | 450.00 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR AMERICAN WATER WORKS ASSOC | | | | 450.00 | | |
| VENDOR NAME: ASSOCIATED APPRAISAL CONSULTANT INC | | | | | | |
| 180132 | MAY 2025 PROFESSIONAL SERVICES | 100-5153-521900 | 2,989.20 | 2,989.20 | CLERK | 05/22/2025 |
| TOTAL VENDOR ASSOCIATED APPRAISAL CONSULTANT INC | | | | 2,989.20 | | |
| VENDOR NAME: AT & T | | | | | | |
| 2217181011 | AT&T | 100-5211-522950 | 976.96 | 976.96 | POLICE | 05/22/2025 |
| TOTAL VENDOR AT & T | | | | 976.96 | | |
| VENDOR NAME: AT & T MOBILITY | | | | | | |
| 04152025 | AT&T CELL SERVICES | 100-5211-522950 | 520.65 | 520.65 | POLICE | 05/22/2025 |
| TOTAL VENDOR AT & T MOBILITY | | | | 520.65 | | |
| VENDOR NAME: BAKER TILLY US, LLP | | | | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: BAKER TILLY US, LLP | | | | | | |
| BT3162488 | PROGRESS BILL #3 | 100-5151-521900 | 1,531.81 | 7,964.00 | FINANCE | 05/22/2025 |
| | | 150-5221-521900 | 798.80 | | | |
| | | 200-5141-521900 | 139.12 | | | |
| | | 410-5363-521900 | 166.61 | | | |
| | | 430-5141-521900 | 224.09 | | | |
| | | 440-5511-521900 | 340.44 | | | |
| | | 480-5151-521900 | 771.63 | | | |
| | | 500-5344-521900 | 9.50 | | | |
| | | 220-5151-521900 | 517.27 | | | |
| | | 240-5151-521900 | 517.27 | | | |
| | | 250-5151-521900 | 517.27 | | | |
| | | 610-6920-692300 | 1,236.25 | | | |
| | | 620-8400-852000 | 1,193.94 | | | |
| TOTAL VENDOR BAKER TILLY US, LLP | | | | 7,964.00 | | |
| VENDOR NAME: BASSETT MECHANICAL | | | | | | |
| 291682 | MAINTENANCE SERVICE CONTRACT | 620-8400-852000 | 1,127.00 | 1,127.00 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR BASSETT MECHANICAL | | | | 1,127.00 | | |
| VENDOR NAME: BITTNER RONALD | | | | | | |
| 050225 MILEAGE | MILEAGE BITTNER APWA SPRING CONFRENCE | 100-5323-533500 | 231.00 | 231.00 | DPW | 05/22/2025 |
| TOTAL VENDOR BITTNER RONALD | | | | 231.00 | | |
| VENDOR NAME: BRIGHTSPEED | | | | | | |
| APRIL 2025 | APRIL 21 TO MAY 20 | 440-5511-522500 | 203.70 | 203.70 | LIBRARY | 05/22/2025 |
| APRIL 2025 PD | BRIGHTSPEED - 911 INTERNET | 100-5211-522950 | 55.70 | 55.70 | POLICE | 05/22/2025 |
| TOTAL VENDOR BRIGHTSPEED | | | | 259.40 | | |
| VENDOR NAME: BROOKLIFE CHURCH | | | | | | |
| PARK RENTAL REIMBUI | REFUND PARK FEE - EVENT CANCELED | 100-4820-485000 | 120.00 | 120.00 | CLERK | 05/22/2025 |
| TOTAL VENDOR BROOKLIFE CHURCH | | | | 120.00 | | |
| VENDOR NAME: BUREAU OF CORRECTIONAL ENTERPR | | | | | | |
| 306-204411 FD | STATION SUPPLIES TRIFOLDS | 150-5221-531100 | 109.12 | 109.12 | FIRE | 05/22/2025 |
| 306-204411 DPW | VILLAGE HALL & PARKS PAPER PRODUCTS | 100-5160-531100 | 316.89 | 535.13 | DPW | 05/22/2025 |
| | | 100-5521-531100 | 218.24 | | | |
| TOTAL VENDOR BUREAU OF CORRECTIONAL ENTERPR | | | | 644.25 | | |
| VENDOR NAME: C & M AUTO PARTS INC | | | | | | |
| 6079-396287 | CARQUEST - SQUAD REPAIR | 100-5212-539500 | 255.28 | 255.28 | POLICE | 05/22/2025 |
| 6079-395845 | OIL FILTER | 100-5324-539500 | 26.34 | 26.34 | DPW | 05/22/2025 |
| TOTAL VENDOR C & M AUTO PARTS INC | | | | 281.62 | | |
| VENDOR NAME: CAMPBELL CONSTRUCTION | | | | | | |
| 2987 | ADA PIER DECK REPLACEMENT (CAPITAL PROJE | 480-5700-584900 | 19,294.00 | 19,294.00 | DPW | 05/22/2025 |
| TOTAL VENDOR CAMPBELL CONSTRUCTION | | | | 19,294.00 | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: CHEMTRADE CHEMICALS US LLC | | | | | | |
| 90232856 | PHOS. REMOVAL CHEMICAL | 620-8010-824000 | 14,546.70 | 14,546.70 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR CHEMTRADE CHEMICALS US LLC | | | | 14,546.70 | | |
| VENDOR NAME: CINTAS | | | | | | |
| 4228544856 | STAFF UNIFORMS AND SHOP SUPPLIES | 100-5323-531100 | 150.59 | 150.59 | DPW | 05/22/2025 |
| 4228545008 | UNIFORM SERVICE | 610-6920-693000 | 56.31 | 112.61 | UTILITIES | 05/22/2025 |
| | | 620-8400-856000 | 56.30 | | | |
| 4229285904 | STAFF UNIFORMS AND SHOP SUPPLIES | 100-5323-531100 | 150.59 | 150.59 | DPW | 05/22/2025 |
| 4229285974 | UNIFORM SERVICE | 610-6920-693000 | 56.30 | 112.61 | UTILITIES | 05/22/2025 |
| | | 620-8400-856000 | 56.31 | | | |
| 4230015428 | LIESSTAFF UNIFORMS AND SHOP SUPPLIES | 100-5323-531100 | 150.59 | 150.59 | DPW | 05/22/2025 |
| 4230015509 | UNIFORM SERVICE | 610-6920-693000 | 56.31 | 112.61 | UTILITIES | 05/22/2025 |
| | | 620-8400-856000 | 56.30 | | | |
| TOTAL VENDOR CINTAS | | | | 789.60 | | |
| VENDOR NAME: CIVICPLUS | | | | | | |
| 335078 | 2025 WEBSITE AND AGENDA/MINUTE MANAGEMEN | 100-5142-522950 | 11,162.00 | 11,162.00 | CLERK | 05/22/2025 |
| TOTAL VENDOR CIVICPLUS | | | | 11,162.00 | | |
| VENDOR NAME: COMEDYSPORTZ | | | | | | |
| 17-1451 2 | PHANTOM JUNCTION STAGE EVENT DONATED FUN | 340-5890-580603 | 1,560.00 | 1,560.00 | DPW | 05/22/2025 |
| TOTAL VENDOR COMEDYSPORTZ | | | | 1,560.00 | | |
| VENDOR NAME: CONLEY MEDIA, LLC | | | | | | |
| 6362410425-2 PLANNI | PUBLIC HEARING NOTICE FOR SCHOOL PROJECT | 100-0000-211400 | 28.98 | 28.98 | PLANNER | 05/22/2025 |
| 6362410425-2 PD | CONLEY MEDIA - ADVERTISEMENT PUBLIC NOTI | 100-5211-521900 | 164.20 | 164.20 | POLICE | 05/22/2025 |
| 6362410425-2 DPW | WEED NOTICE PUBLICATION | 100-5613-531100 | 45.24 | 45.24 | DPW | 05/22/2025 |
| TOTAL VENDOR CONLEY MEDIA, LLC | | | | 238.42 | | |
| VENDOR NAME: CORE & MAIN LP | | | | | | |
| W755302 | LARGE METER GASKETS | 610-6453-664100 | 76.50 | 76.50 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR CORE & MAIN LP | | | | 76.50 | | |
| VENDOR NAME: CRIVELLO, NICHOLS & HALL, S.C. | | | | | | |
| 5331-220167 | LEGAL SERVICES MARCH | 100-5130-521900 | 2,820.00 | 3,000.00 | FINANCE | 05/22/2025 |
| | | 610-6920-692300 | 30.00 | | | |
| | | 620-8400-852000 | 150.00 | | | |
| TOTAL VENDOR CRIVELLO, NICHOLS & HALL, S.C. | | | | 3,000.00 | | |
| VENDOR NAME: DIGGERS HOTLINE INC | | | | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: DIGGERS HOTLINE INC | | | | | | |
| 250438301 | DIGGERS HOTLINE FEE / STORM SEWER LOCATE | 610-6920-693000 | 95.82 | 287.50 | ALLOCATE | 05/22/2025 |
| | | 620-8400-856000 | 95.83 | | | |
| | | 100-5344-521900 | 95.85 | | | |
| TOTAL VENDOR DIGGERS HOTLINE INC | | | | 287.50 | | |
| VENDOR NAME: DOMINION VOTING SYSTEMS | | | | | | |
| DVS159250 | 6/1/2025-5/31/2026 ICE FIRMWARE LICENSE | 100-5144-521900 | 491.20 | 491.20 | CLERK | 05/22/2025 |
| TOTAL VENDOR DOMINION VOTING SYSTEMS | | | | 491.20 | | |
| VENDOR NAME: DORNER COMPANY | | | | | | |
| 515456 | CLA VAL REPAIR KIT | 610-6210-662500 | 189.54 | 189.54 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR DORNER COMPANY | | | | 189.54 | | |
| VENDOR NAME: DURABLE CONTROLS LLC | | | | | | |
| 00072624 | IRON PLANT-METER REPAIR | 610-6310-663500 | 1,500.00 | 1,500.00 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR DURABLE CONTROLS LLC | | | | 1,500.00 | | |
| VENDOR NAME: E AND S SWEETS | | | | | | |
| 0698 | EMPLOYEE RECOGNITION WEEKS | 100-5141-539800 | 219.45 | 219.45 | ADMIN | 05/22/2025 |
| TOTAL VENDOR E AND S SWEETS | | | | 219.45 | | |
| VENDOR NAME: EBIX | | | | | | |
| 13973 | EBIX INVOICE | 150-5231-521900 | 11,223.01 | 11,223.01 | FIRE | 05/22/2025 |
| TOTAL VENDOR EBIX | | | | 11,223.01 | | |
| VENDOR NAME: ELIZABETH LANGENBACH | | | | | | |
| PARK RENTAL REIMBUI | REFUND PARK FEE - EVENT CANCELED | 100-4820-485000 | 225.00 | 225.00 | CLERK | 05/22/2025 |
| TOTAL VENDOR ELIZABETH LANGENBACH | | | | 225.00 | | |
| VENDOR NAME: EMPATHIA, INC. | | | | | | |
| 55200 | QUARTERLY EAP BENEFIT COST | 100-5141-515900 | 6.55 | 438.75 | FINANCE | 05/22/2025 |
| | | 100-5241-515900 | 6.55 | | | |
| | | 100-5142-515900 | 6.55 | | | |
| | | 100-5120-511000 | 6.55 | | | |
| | | 150-5221-515900 | 117.86 | | | |
| | | 440-5511-515900 | 108.05 | | | |
| | | 100-5211-515900 | 98.23 | | | |
| | | 100-5300-515900 | 29.47 | | | |
| | | 610-6920-515900 | 11.46 | | | |
| | | 620-8400-515900 | 11.46 | | | |
| | | 100-5145-515900 | 13.10 | | | |
| | | 100-5111-539900 | 22.92 | | | |
| TOTAL VENDOR EMPATHIA, INC. | | | | 438.75 | | |
| VENDOR NAME: ENVIRONMENT CONTROL | | | | | | |
| 37108-613 | VILLAGE HALL CLEANING | 100-5160-521900 | 748.00 | 748.00 | DPW | 05/22/2025 |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: ENVIRONMENT CONTROL | | | | | | |
| | TOTAL VENDOR ENVIRONMENT CONTROL | | | 748.00 | | |
| VENDOR NAME: ENVIRONMENTAL CONSULTING & | | | | | | |
| 8045 | WHOLE EFFLUENT TOXICITY TESTING | 620-8010-826000 | 2,050.00 | 2,050.00 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR ENVIRONMENTAL CONSULTING & | | | 2,050.00 | | |
| VENDOR NAME: EXCEL BUILDING SERVICES LLC | | | | | | |
| 4423 | EXCEL BUILDING - CLEANING SERVICE MAY | 100-5211-539400 | 975.00 | 975.00 | POLICE | 05/22/2025 |
| | TOTAL VENDOR EXCEL BUILDING SERVICES LLC | | | 975.00 | | |
| VENDOR NAME: FISCHER-FISCHER-THEIS, INC | | | | | | |
| 25007-I02 | PD GARAGE | 480-5700-573000 | 16,120.00 | 16,120.00 | FINANCE | 05/22/2025 |
| | TOTAL VENDOR FISCHER-FISCHER-THEIS, INC | | | 16,120.00 | | |
| VENDOR NAME: GORDON FLESCH CO | | | | | | |
| I01017094 | CANON LEASE 05/20/25 - 06/19/25 | 100-5142-531200 | 20.25 | 162.10 | ALLOCATE | 05/22/2025 |
| | | 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 | | | |
| | | 620-8300-840000 | 13.84 | | | |
| | TOTAL VENDOR GORDON FLESCH CO | | | 162.10 | | |
| VENDOR NAME: HAHN ACE HARDWARE | | | | | | |
| APR 2025 PD | ACE HARDWARE - PD REPAIR | 100-5211-539400 | 1.42 | 1.42 | POLICE | 05/22/2025 |
| APR 2025 DPW | MISC SHOP AND PARK REAIR PARTS AND SUPPL | 100-5323-531100 | 37.15 | 122.05 | DPW | 05/22/2025 |
| | | 100-5521-531100 | 84.90 | | | |
| APR 2025 UTL | ELECTRICAL/PAINT SUPPLIES AND HARDWARE | 620-8010-827000 | 317.28 | 317.28 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR HAHN ACE HARDWARE | | | 440.75 | | |
| VENDOR NAME: HAWKINS WATER TREATMENT | | | | | | |
| 7047382 | POLYMER FOR SLUDGE | 620-8010-825000 | 1,345.05 | 1,345.05 | UTILITIES | 05/22/2025 |
| 7047408 | CHEMICALS FOR WATER TREATMENT | 610-6300-663100 | 2,745.15 | 2,745.15 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR HAWKINS WATER TREATMENT | | | 4,090.20 | | |
| VENDOR NAME: HINCKLEY SPRINGS | | | | | | |
| 23853226 051025 | VILLAGE HALL AND DPW DRINKING WATER | 100-5160-531100 | 28.22 | 56.44 | DPW | 05/22/2025 |
| | | 100-5323-531100 | 28.22 | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: HINCKLEY SPRINGS | | | | | | |
| | TOTAL VENDOR HINCKLEY SPRINGS | | | 56.44 | | |
| VENDOR NAME: HIPPENMEYER, REILLY, BLUM, | | | | | | |
| 57506 | PROSECUTIONS | 100-5130-521900 | 1,237.50 | 1,237.50 | FINANCE | 05/22/2025 |
| 57454 | PROSECUTIONS | 100-5130-521900 | 900.00 | 900.00 | FINANCE | 05/22/2025 |
| | TOTAL VENDOR HIPPENMEYER, REILLY, BLUM, | | | 2,137.50 | | |
| VENDOR NAME: HOME DEPOT | | | | | | |
| APR 25 DPW | SHOP AND VILLAGE HALL TOOLS | 100-5160-539500 | 256.97 | 790.39 | DPW | 05/22/2025 |
| | | 100-5323-531100 | 533.42 | | | |
| APR 2025 LIB | SUPPLIES | 440-5511-531100 | 18.84 | 18.84 | LIBRARY | 05/22/2025 |
| | TOTAL VENDOR HOME DEPOT | | | 809.23 | | |
| VENDOR NAME: HORN OIL | | | | | | |
| APR 2025 | APRIL 2025 MONTHLY FUEL | 100-5212-535100 | 2,611.18 | 8,716.37 | ALLOCATE | 05/22/2025 |
| | | 100-5241-535100 | 93.74 | | | |
| | | 100-5324-535100 | 2,771.48 | | | |
| | | 150-5222-535100 | 1,979.23 | | | |
| | | 150-5231-535100 | 234.67 | | | |
| | | 610-6920-693300 | 775.25 | | | |
| | | 620-8010-828000 | 250.82 | | | |
| | TOTAL VENDOR HORN OIL | | | 8,716.37 | | |
| VENDOR NAME: HYDROCORP | | | | | | |
| CI-05932 | COMMERCIAL CROSS CONTROL PROGRAM | 610-6920-692300 | 1,413.00 | 1,413.00 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR HYDROCORP | | | 1,413.00 | | |
| VENDOR NAME: JAMES SORENSEN | | | | | | |
| 2025 CONCERT SERIES | PHANTOM JUNCTION CONCERT DONATED FUNDS | 340-5890-580603 | 4,000.00 | 4,000.00 | DPW | 05/22/2025 |
| | TOTAL VENDOR JAMES SORENSEN | | | 4,000.00 | | |
| VENDOR NAME: JOHNS DISPOSAL SVC. INC. | | | | | | |
| 1664148 | APRIL 2025 | 410-5362-531000 | 28,908.95 | 54,016.25 | DPW | 05/22/2025 |
| | | 410-5363-522000 | 21,551.80 | | | |
| | | 410-5363-521900 | 3,555.50 | | | |
| | TOTAL VENDOR JOHNS DISPOSAL SVC. INC. | | | 54,016.25 | | |
| VENDOR NAME: JOHNSON & SONS PAVING, LLC | | | | | | |
| 17733 | N. ROCHESTER/MACARTHUR/OAKLAND WATERMAIN | 610-6451-665100 | 17,775.00 | 17,775.00 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR JOHNSON & SONS PAVING, LLC | | | 17,775.00 | | |
| VENDOR NAME: KBS OUTDOOR EQUIPMENT | | | | | | |
| 4678 | GENERATOR MAINTENANCE | 620-8400-852000 | 65.00 | 65.00 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR KBS OUTDOOR EQUIPMENT | | | 65.00 | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: KETTLE MORAINE PEST CONTROL | | | | | | |
| 42425 | KETTLE MORAINE PEST CONTROL | 100-5211-539400 | 70.00 | 70.00 | POLICE | 05/22/2025 |
| TOTAL VENDOR KETTLE MORAINE PEST CONTROL | | | | 70.00 | | |
| VENDOR NAME: LIFE-ASSIST, INC. | | | | | | |
| 1597049 | EMS SUPPLIES | 150-5231-531100 | 175.24 | 175.24 | FIRE | 05/22/2025 |
| 1599030 | EMS SUPPLIES | 150-5231-531100 | 834.64 | 834.64 | FIRE | 05/22/2025 |
| TOTAL VENDOR LIFE-ASSIST, INC. | | | | 1,009.88 | | |
| VENDOR NAME: LYNCH CHEVROLET | | | | | | |
| 424976 | SQUAD REPAIR | 100-5211-539500 | 43.60 | 43.60 | POLICE | 05/22/2025 |
| TOTAL VENDOR LYNCH CHEVROLET | | | | 43.60 | | |
| VENDOR NAME: MACQUEEN EQUIPMENT | | | | | | |
| 041935 | SCBA REPAIR | 150-5222-539500 | 99.75 | 99.75 | FIRE | 05/22/2025 |
| TOTAL VENDOR MACQUEEN EQUIPMENT | | | | 99.75 | | |
| VENDOR NAME: MADDEN, DAN | | | | | | |
| REFUND 05-2025 | UB REFUND # 6176 - 219 MCDIVITT | 610-0000-142000 | 303.03 | 303.03 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR MADDEN, DAN | | | | 303.03 | | |
| VENDOR NAME: MARCO TECHNOLOGIES | | | | | | |
| 39118734 | COPIER LEASE | 610-6920-692100 | 118.61 | 237.22 | UTILITIES | 05/22/2025 |
| | | 620-8400-851000 | 118.61 | | | |
| TOTAL VENDOR MARCO TECHNOLOGIES | | | | 237.22 | | |
| VENDOR NAME: MCDONOUGH SEPTIC | | | | | | |
| I14891 | PORTABLE RESTROOMS | 100-5521-531100 | 149.29 | 149.29 | DPW | 05/22/2025 |
| I14892 | PORTABLE RESTROOMS | 100-5521-531100 | 149.29 | 149.29 | DPW | 05/22/2025 |
| I14893 | PORTABLE RESTROOMS | 100-5521-531100 | 149.29 | 149.29 | DPW | 05/22/2025 |
| I14894 | PORTABLE RESTROOMS | 100-5521-531100 | 95.00 | 95.00 | DPW | 05/22/2025 |
| I14895 | PORTABLE RESTROOMS | 100-5521-531100 | 149.29 | 149.29 | DPW | 05/22/2025 |
| I14896 | PORTABLE RESTROOMS | 100-5521-531100 | 149.29 | 149.29 | DPW | 05/22/2025 |
| I15017 | PORTABLE RESTROOMS | 100-5521-531100 | 95.00 | 95.00 | DPW | 05/22/2025 |
| I15018 | PORTABLE RESTROOMS | 100-5521-531100 | 95.00 | 95.00 | DPW | 05/22/2025 |
| I15019 | PORTABLE RESTROOMS | 100-5521-531100 | 95.00 | 95.00 | DPW | 05/22/2025 |
| I01520 | PORTABLE RESTROOMS | 100-5521-531100 | 95.00 | 95.00 | DPW | 05/22/2025 |
| TOTAL VENDOR MCDONOUGH SEPTIC | | | | 1,221.45 | | |
| VENDOR NAME: MEDLINE INDUSTRIES, INC | | | | | | |
| 2370234532 | EMS SUPPLIES | 150-5231-531100 | 47.13 | 47.13 | FIRE | 05/22/2025 |
| 2369626711 | EMS SUPPLIES | 150-5231-531100 | 104.87 | 104.87 | FIRE | 05/22/2025 |
| 2362413784 | EMS SUPPLIES | 150-5231-531100 | 279.77 | 279.77 | FIRE | 05/22/2025 |
| TOTAL VENDOR MEDLINE INDUSTRIES, INC | | | | 431.77 | | |
| VENDOR NAME: MICHAEL WENDLANT | | | | | | |
| 050125 | CDL REIMBURSE | 610-6920-693000 | 15.00 | 30.00 | UTILITIES | 05/22/2025 |
| | | 620-8400-854100 | 15.00 | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: MICHAEL WENDLANT | | | | | | |
| | TOTAL VENDOR MICHAEL WENDLANT | | | 30.00 | | |
| VENDOR NAME: MIDWEST ROOFING & CONSTRUCTION LLC | | | | | | |
| VH 042425 | VILLAGE HALL ROOF FINAL PAYMENT | 480-5700-573000 | 28,192.00 | 28,192.00 | DPW | 05/22/2025 |
| | TOTAL VENDOR MIDWEST ROOFING & CONSTRUCTION LLC | | | 28,192.00 | | |
| VENDOR NAME: MUKWONAGO AREA CHAMBER OF COMM | | | | | | |
| MAR 2025 3 | MARCH 25 BOOKING.COM ROOM TAX | 100-0000-244000 | 106.90 | 106.90 | CLERK | 05/22/2025 |
| MAR 2025 | MARCH ROOM TAX | 100-0000-244000 | 13.43 | 13.43 | CLERK | 05/22/2025 |
| MAR 2025 4 | MARCH 2025 ROOM TAX-945 GREENWALD | 100-0000-244000 | 1,813.55 | 1,813.55 | CLERK | 05/22/2025 |
| | TOTAL VENDOR MUKWONAGO AREA CHAMBER OF COMM | | | 1,933.88 | | |
| VENDOR NAME: MULCAHY/SHAW WATER, INC. | | | | | | |
| 326678 | COLLECTION SYSTEM FLOW MONITORING | 620-8400-852000 | 20,100.00 | 20,100.00 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR MULCAHY/SHAW WATER, INC. | | | 20,100.00 | | |
| VENDOR NAME: MUNICIPAL LAW & LITIGATION | | | | | | |
| 14726 | DONATED LAND | 100-5130-521900 | 75.00 | 75.00 | FINANCE | 05/22/2025 |
| | TOTAL VENDOR MUNICIPAL LAW & LITIGATION | | | 75.00 | | |
| VENDOR NAME: MUNICIPAL TREASURERS ASSOC WI INC | | | | | | |
| 6520 | KROPF- MTAW MEMBERSHIP 2025-2026 | 100-5142-532400 | 60.00 | 60.00 | CLERK | 05/22/2025 |
| | TOTAL VENDOR MUNICIPAL TREASURERS ASSOC WI INC | | | 60.00 | | |
| VENDOR NAME: MURMACK PAINT MANUFACTURING, INC | | | | | | |
| 219275 | FIELD MARKING PAINT | 100-5521-531100 | 1,343.75 | 1,343.75 | DPW | 05/22/2025 |
| | TOTAL VENDOR MURMACK PAINT MANUFACTURING, INC | | | 1,343.75 | | |
| VENDOR NAME: NAPA AUTO PARTS - SP018 | | | | | | |
| 248964 | STOCK HEATER HOSE | 100-5324-539500 | 20.25 | 20.25 | DPW | 05/22/2025 |
| 249362 | OIL CHANGE E34 | 150-5222-539500 | 47.64 | 47.64 | FIRE | 05/22/2025 |
| 249810 | SHOP SUPPLIES | 100-5323-531100 | 16.98 | 16.98 | DPW | 05/22/2025 |
| 249926 | BATTERY SUPPLIES | 100-5323-531100 | 19.98 | 19.98 | DPW | 05/22/2025 |
| | TOTAL VENDOR NAPA AUTO PARTS - SP018 | | | 104.85 | | |
| VENDOR NAME: NATURAL SOLUTIONS | | | | | | |
| 12578 | PLAYGROUND WOOD FIBER | 100-5521-531100 | 2,200.00 | 2,200.00 | DPW | 05/22/2025 |
| | TOTAL VENDOR NATURAL SOLUTIONS | | | 2,200.00 | | |
| VENDOR NAME: NEENAH FOUNDRY COMPANY | | | | | | |
| 181115 | MANHOLE REPAIR- BAYVIEW ROAD | 620-8030-831000 | 664.00 | 664.00 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR NEENAH FOUNDRY COMPANY | | | 664.00 | | |
| VENDOR NAME: NORTHERN LAKE SERVICE INC | | | | | | |
| 2506836 | COMPLIANCE SAMPLING- COURIER SERVICE | 610-6300-663200 | 31.00 | 31.00 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR NORTHERN LAKE SERVICE INC | | | 31.00 | | |
| VENDOR NAME: OFFICE PRO | | | | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: OFFICE PRO | | | | | | |
| 730375-0 | FILE CABINETS | 100-5153-531100 | 150.00 | 600.00 | ADMIN | 05/22/2025 |
| | | 100-5141-531100 | 150.00 | | | |
| | | 100-5241-531100 | 150.00 | | | |
| | | 100-5632-531100 | 150.00 | | | |
| 730454-0 | FILE CABINETS | 100-5142-531100 | 150.00 | 150.00 | ADMIN | 05/22/2025 |
| TOTAL VENDOR OFFICE PRO | | | | 750.00 | | |
| VENDOR NAME: ORGANIZATION DEVELOPMENT | | | | | | |
| 14260 | ODC - RESERVE HURLEY | 100-5211-521900 | 475.00 | 475.00 | POLICE | 05/22/2025 |
| TOTAL VENDOR ORGANIZATION DEVELOPMENT | | | | 475.00 | | |
| VENDOR NAME: PATRICK WHALING | | | | | | |
| 2025 NNO | NNO - WHALING | 340-5890-580602 | 340.00 | 340.00 | POLICE | 05/22/2025 |
| TOTAL VENDOR PATRICK WHALING | | | | 340.00 | | |
| VENDOR NAME: POMPS TIRE SERVICE, INC | | | | | | |
| 60366283 | POMPS TIRES -TAHOE TIRES | 100-5211-539500 | 2,880.00 | 2,880.00 | POLICE | 05/22/2025 |
| TOTAL VENDOR POMPS TIRE SERVICE, INC | | | | 2,880.00 | | |
| VENDOR NAME: PROHEALTH MEDICAL GROUP | | | | | | |
| 326518 | RANDOM DOT DRUG TESTING | 610-6920-693000 | 32.00 | 64.00 | UTILITIES | 05/22/2025 |
| | | 620-8400-856000 | 32.00 | | | |
| TOTAL VENDOR PROHEALTH MEDICAL GROUP | | | | 64.00 | | |
| VENDOR NAME: PUBLIC SERVICE COMMISSION OF WI | | | | | | |
| 2503-I-03980 | PSC DIRECT ASSESSMENT | 610-6920-692800 | 2,058.24 | 2,058.24 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR PUBLIC SERVICE COMMISSION OF WI | | | | 2,058.24 | | |
| VENDOR NAME: QUADIENT LEASING USA INC | | | | | | |
| Q1848691 | 030825-060725 LEASE PYMT | 100-5142-531500 | 73.36 | 587.34 | ALLOCATE | 05/22/2025 |
| | | 100-5323-531500 | 69.13 | | | |
| | | 100-5120-531500 | 29.25 | | | |
| | | 100-5141-531100 | 18.21 | | | |
| | | 100-5145-531100 | 34.18 | | | |
| | | 100-5241-531500 | 13.69 | | | |
| | | 100-5632-531500 | 16.86 | | | |
| | | 100-5211-531500 | 72.12 | | | |
| | | 150-5221-531100 | 72.83 | | | |
| | | 410-5363-531500 | 5.87 | | | |
| | | 440-5511-531500 | 66.96 | | | |
| | | 500-5344-531500 | 8.16 | | | |
| | | 610-6902-690300 | 56.56 | | | |
| | | 620-8400-851000 | 50.16 | | | |
| TOTAL VENDOR QUADIENT LEASING USA INC | | | | 587.34 | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: QUILL LLC | | | | | | |
| 43932595 | QUILL | 100-5211-539400 | 28.19 | 28.19 | POLICE | 05/22/2025 |
| 43938268 | QUILL | 100-5211-539400 | 331.03 | 331.03 | POLICE | 05/22/2025 |
| TOTAL VENDOR QUILL LLC | | | | 359.22 | | |
| VENDOR NAME: REINDERS, INC. | | | | | | |
| 6056562-00 | TORO 5910 ( CAPITAL PURCHASE) | 430-5700-571200 | 160,484.82 | 160,484.82 | DPW | 05/22/2025 |
| TOTAL VENDOR REINDERS, INC. | | | | 160,484.82 | | |
| VENDOR NAME: RELIANT FIRE APPARATUS | | | | | | |
| WI-1985 | E34 PRIMER CAP | 150-5222-539500 | 15.84 | 15.84 | FIRE | 05/22/2025 |
| WI-1979 | E32 PUMP INTAKE GAUGE | 150-5222-539500 | 296.96 | 296.96 | FIRE | 05/22/2025 |
| TOTAL VENDOR RELIANT FIRE APPARATUS | | | | 312.80 | | |
| VENDOR NAME: RICOH USA, INC | | | | | | |
| 5071317990 | | 100-5632-521900 | 6.52 | 6.52 | PLANNER | 05/22/2025 |
| TOTAL VENDOR RICOH USA, INC | | | | 6.52 | | |
| VENDOR NAME: SAN-A-CARE | | | | | | |
| 647789 | PARK JANITORIAL SUPPLIES | 100-5521-531100 | 662.83 | 662.83 | DPW | 05/22/2025 |
| TOTAL VENDOR SAN-A-CARE | | | | 662.83 | | |
| VENDOR NAME: SHERWIN-WILLIAMS | | | | | | |
| 7419-3 | PAINT- PIPING | 620-8010-827000 | 312.50 | 312.50 | UTILITIES | 05/22/2025 |
| 6088-0 | PAINT-PIPING | 620-8010-827000 | 94.37 | 94.37 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR SHERWIN-WILLIAMS | | | | 406.87 | | |
| VENDOR NAME: STERICYCLE | | | | | | |
| 8010601661 | SHRED-IT | 100-5211-521900 | 94.74 | 94.74 | POLICE | 05/22/2025 |
| TOTAL VENDOR STERICYCLE | | | | 94.74 | | |
| VENDOR NAME: STOPSTICK, LTD. | | | | | | |
| 0037676-IN | STOP STICK | 100-5212-539500 | 155.00 | 155.00 | POLICE | 05/22/2025 |
| 0038036-IN | STOP STICKS | 100-5211-539500 | 159.00 | 159.00 | POLICE | 05/22/2025 |
| 0038088-IN | STOP STICKS | 100-5212-539500 | 298.00 | 298.00 | POLICE | 05/22/2025 |
| TOTAL VENDOR STOPSTICK, LTD. | | | | 612.00 | | |
| VENDOR NAME: STRYKER SALES, LLC | | | | | | |
| 9209032270 | STRYKER POWER CORD | 150-5231-531100 | 27.30 | 27.30 | FIRE | 05/22/2025 |
| TOTAL VENDOR STRYKER SALES, LLC | | | | 27.30 | | |
| VENDOR NAME: SUSTAINABLE WILDLIFE HABITATS | | | | | | |
| 2533057 | STREET AND PARK TREES | 340-5890-580601 | 1,944.75 | 1,944.75 | DPW | 05/22/2025 |
| TOTAL VENDOR SUSTAINABLE WILDLIFE HABITATS | | | | 1,944.75 | | |
| VENDOR NAME: TAYLOR ZAJICHEK | | | | | | |
| REIMBURSE | ZAJICHEL -FAA DRONE TEST | 100-5213-533500 | 175.00 | 175.00 | POLICE | 05/22/2025 |
| TOTAL VENDOR TAYLOR ZAJICHEK | | | | 175.00 | | |
| VENDOR NAME: TECHNIMOUNT SYSTEM LLC | | | | | | |
| INV-003759 | 2025 AMBULANCE CAPITAL SUPPLIES | 430-5700-571400 | 650.00 | 650.00 | FIRE | 05/22/2025 |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: TECHNIMOUNT SYSTEM LLC | | | | | | |
| | TOTAL VENDOR TECHNIMOUNT SYSTEM LLC | | | 650.00 | | |
| VENDOR NAME: T-MOBILE | | | | | | |
| APRIL 2025 | T MOBILE INVOICE | 150-5221-522500 | 652.74 | 652.74 | FIRE | 05/22/2025 |
| | TOTAL VENDOR T-MOBILE | | | 652.74 | | |
| VENDOR NAME: TOWN OF MUKWONAGO | | | | | | |
| 7481 | FORCIBLE ENTRY PROP LEGAL REVIEW | 150-5221-521900 | 589.10 | 589.10 | FIRE | 05/22/2025 |
| | TOTAL VENDOR TOWN OF MUKWONAGO | | | 589.10 | | |
| VENDOR NAME: TRACTOR SUPPLY CREDIT PLAN | | | | | | |
| APRIL 2025 | SHOP PARK & SIGN PARTS | 100-5323-531100 | 34.99 | 193.21 | DPW | 05/22/2025 |
| | | 100-5521-531100 | 149.98 | | | |
| | | 100-5348-531100 | 8.24 | | | |
| | TOTAL VENDOR TRACTOR SUPPLY CREDIT PLAN | | | 193.21 | | |
| VENDOR NAME: TRIPLE CROWN PRODUCTS | | | | | | |
| 383398 | STAFF SAFETY T SHIRTS AND SWEAT SHIRTS | 100-5323-534800 | 680.63 | 680.63 | DPW | 05/22/2025 |
| 384353 | HI VIS SAFETY HOODIE | 100-5323-534800 | 61.86 | 61.86 | DPW | 05/22/2025 |
| | TOTAL VENDOR TRIPLE CROWN PRODUCTS | | | 742.49 | | |
| VENDOR NAME: UNITED LIQUID WASTE RECYCLING INC | | | | | | |
| 56904 | SLUDGE HAULING | 620-8010-825500 | 21,460.00 | 21,460.00 | UTILITIES | 05/22/2025 |
| | TOTAL VENDOR UNITED LIQUID WASTE RECYCLING INC | | | 21,460.00 | | |
| VENDOR NAME: VELOCITY LLC | | | | | | |
| 2025043 | OFFICE 365 LICENSING | 100-5111-522900 | 70.00 | 1,404.50 | FINANCE | 05/22/2025 |
| | | 100-5120-522900 | 22.50 | | | |
| | | 100-5141-522900 | 43.00 | | | |
| | | 100-5142-522900 | 74.00 | | | |
| | | 100-5145-522900 | 73.50 | | | |
| | | 100-5211-522900 | 382.00 | | | |
| | | 100-5241-522900 | 73.50 | | | |
| | | 100-5300-522900 | 81.50 | | | |
| | | 100-5512-522900 | 18.50 | | | |
| | | 100-5632-522900 | 24.50 | | | |
| | | 150-5221-522900 | 376.50 | | | |
| | | 610-6920-692100 | 61.50 | | | |
| | | 620-8400-851000 | 61.50 | | | |
| | | 440-5511-521900 | 12.00 | | | |
| | | 100-5150-521900 | 30.00 | | | |
| | TOTAL VENDOR VELOCITY LLC | | | 1,404.50 | | |
| VENDOR NAME: VERIZON WIRELESS | | | | | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: VERIZON WIRELESS | | | | | | |
| 6110894196 | APRIL 2025 MONTHLY BILL | 100-5141-522500 | 41.19 | 839.54 | ALLOCATE | 05/22/2025 |
| | | 100-5241-522500 | 91.06 | | | |
| | | 100-5323-522500 | 334.98 | | | |
| | | 610-6920-692100 | 165.56 | | | |
| | | 620-8400-851000 | 165.56 | | | |
| | | 100-5142-522500 | 41.19 | | | |
| 6110894197 | CELL PHONE SERVICE | 610-6920-692100 | 107.81 | 215.62 | UTILITIES | 05/22/2025 |
| | | 620-8400-851000 | 107.81 | | | |
| TOTAL VENDOR VERIZON WIRELESS | | | | 1,055.16 | | |
| VENDOR NAME: VON BRIESEN & ROPER, S.C. | | | | | | |
| 492164 | MSD ISSUE ANALYSIS | 250-5130-521900 | 270.00 | 270.00 | FINANCE | 05/22/2025 |
| TOTAL VENDOR VON BRIESEN & ROPER, S.C. | | | | 270.00 | | |
| VENDOR NAME: WAUKESHA COUNTY | | | | | | |
| APR 2025 | RECORDING FEE FOR RESOLUTIONS 2024-48, 2 | 100-5142-531200 | 120.00 | 120.00 | CLERK | 05/22/2025 |
| TOTAL VENDOR WAUKESHA COUNTY | | | | 120.00 | | |
| VENDOR NAME: WAUKESHA CTY TREASURER | | | | | | |
| 2024-50030057 | 2024 2ND HALF PARCEL CHARGES | 100-5142-531200 | 2,677.08 | 2,677.08 | CLERK | 05/22/2025 |
| 2023-50030056 | 2023 TAX BILLING | 100-5142-531200 | 3,155.03 | 3,155.03 | CLERK | 05/22/2025 |
| TOTAL VENDOR WAUKESHA CTY TREASURER | | | | 5,832.11 | | |
| VENDOR NAME: WCTC | | | | | | |
| S0860009 | BRAUN-STREBE FFI CLASS WCTC | 150-5223-533500 | 205.92 | 205.92 | FIRE | 05/22/2025 |
| S0860010 | WCTC - TRAINING | 100-5211-533500 | 404.25 | 404.25 | POLICE | 05/22/2025 |
| TOTAL VENDOR WCTC | | | | 610.17 | | |
| VENDOR NAME: WI DEPT OF JUSTICE CIB | | | | | | |
| L6812T 202504 | APRIL ACTIVITY | 100-5211-521900 | 14.00 | 546.00 | POLICE | 05/22/2025 |
| | | 100-0000-242205 | 532.00 | | | |
| TOTAL VENDOR WI DEPT OF JUSTICE CIB | | | | 546.00 | | |
| VENDOR NAME: WI RURAL WATER ASSOCIATION | | | | | | |
| 5022 | DPW STAFF ANUUAL REFRESHER SAFETY TRAINI | 100-5323-533500 | 292.32 | 292.32 | DPW | 05/22/2025 |
| 5027 | ANNUAL SAFETY TRAINING | 610-6920-693000 | 110.75 | 221.50 | UTILITIES | 05/22/2025 |
| | | 620-8400-854100 | 110.75 | | | |
| TOTAL VENDOR WI RURAL WATER ASSOCIATION | | | | 513.82 | | |
| VENDOR NAME: WI STATE LAB OF HYGIENE | | | | | | |
| 807678 | PERMIT RENEWAL TESTING- SLUDGE PFAS | 620-8010-826000 | 440.00 | 440.00 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR WI STATE LAB OF HYGIENE | | | | 440.00 | | |

| INVOICE NUMBER | DESCRIPTION | DISTRIBUTIONS\AMOUNTS | | AMOUNT | APPROVAL DEPARTMENT | POST DATE |
|---|---|---|---|---|---|---|
| VENDOR NAME: ZARNOTH BRUSH WORKS | | | | | | |
| 0201870-IN | STREET SWEEPER BRUSHES | 100-5345-539500 | 908.00 | 908.00 | DPW | 05/22/2025 |
| TOTAL VENDOR ZARNOTH BRUSH WORKS | | | | 908.00 | | |
| VENDOR NAME: ZORN COMPRESSOR & EQUIPMENT | | | | | | |
| AR003373 | DIGESTER- COMPRESSOR MAINTENANCE | 620-8010-833000 | 570.65 | 570.65 | UTILITIES | 05/22/2025 |
| TOTAL VENDOR ZORN COMPRESSOR & EQUIPMENT | | | | 570.65 | | |
| GRAND TOTAL: | | | | 483,417.87 | | |

**ACCESS AGREEMENT**

This agreement is made by and between the Village of Mukwonago, ("Village") a municipal corporation, and Douglas Quakkelaar and Liane Quakkelaar, ("Quakkelaars") owners of Parcel MUKV1975949,with an address of 441 Blood Street, Mukwonago WI, 53188. (Collectively "Parties")

WHEREAS, the Quakkelaars own Parcel MUKV1975949,with an address of 441 Blood Street, Mukwonago WI, 53188, ("Land") which lies adjacent to a right-of-way controlled by the Village; and

WHEREAS, said right-of-way extends west, from the current termination of Shore Drive and Blood Street, to the shore of Lower Phantom Lake, as shown on the attached Exhibit; and

WHEREAS, the Quakkelaars seek to make improvements on their Land that necessitates a driveway; and

WHEREAS, the only way to install a driveway allowing such access is placing the driveway through the existing Village right-of-way out to Blood Street; and

WHEREAS, the Village deems that allowing such access promotes the overall welfare of the Village, including additional development and increased property values which benefit the Village as a whole, and the Quakkelaars recognize that such access enhances the value of their property, and the Parties agree that these benefits constitute good and valuable consideration for this Agreement; and

BASED ON THE FOREGOING, IT IS HERBY AGREED AS FOLLOWS:

That the Village of Mukwonago in consideration of the covenants and agreements as set forth herein, does hereby confer upon Douglas and Liane Quakkelaar, their heirs and assignees, a license

and permission to enter upon certain lands of the Village of Mukwonago described as the right-of-way of Blood Street, only as specifically depicted on attached Exhibit, for the purpose of construction of a driveway to access Parcel MUKV1975949,with an address of 441 Blood Street, Mukwonago WI, 53188, as follows:

1. That said license and permission may be terminated at the will of the Village of Mukwonago at such time as the Village opens and constructs Blood Street as a public street.
2. That the said, Douglas and Liane Quakkelaar, their heirs and/or assignees will secure and supply to the Village of Mukwonago a liability insurance policy covering the injury or death to persons in the amount of $250,000.00 per for each person, $500,000.00 per each accident, and property damage in the amount of at least $100,000.00 for each accident in extending such coverage to the premises herein described. Nothing in this agreement is intended to waive any immunity the Village may be entitled to under state or federal law.
3. That any driveway improvements constructed upon the area described herein and depicted on the accompanying Exhibit will be at the sole cost and expense of Douglas and Liane Quakkelaar, their heirs and assignees. The Village assumes no responsibility for such improvement of any kind and the Village may order said improvements to be removed with no compensation to be provided to the owners of said improvements at such time as this license or permission is terminated.
4. The Village of Mukwonago does not guarantee in any manner that upon the construction of Blood Street as a public street that assessments for improvements would not otherwise be levied against Parcel MUKV1975949,with an address of 441 Blood Street, Mukwonago WI, 53188.

5. The Parties agree and stipulate that no parking shall be permitted on any portion of the driveway improvements that are constructed and situated in the public right-of-way.
6. The Parties agree that the Fire Department or any other emergency personnel shall have full unencumbered access to any fire hydrant located on or near said improvements.
7. The Parties agree that the Village will supply and install a "No Parking" sign, a "Private Drive" sign, and a post and base for each such sign, with the initial signs and materials being paid for by the Quakkelaars.

IN WITNESS WHEREOF the Village of Mukwonago has caused this Agreement to be signed by Fred Winchowky, Village President, Lana Kropf, Village Clerk and by Douglas and Liane Quakkelaar.

Dated this ___ day of May, 2025

**VILLAGE OF MUKWONAGO**

**PRESIDENT**

_____
Fred Winchowky

**VILLAGE OF MUKWONAGO CLERK**

_____
Lana Kropf

Subscribed and sworn to before me
this ____ day of May, 2025.

_____
Notary Public, State of _____
My Commission: _____

Dated this ___ day of May, 2025

___ _____
Douglas Quakkelaar

___ _____
Liane Quakkelaar

Subscribed and sworn to before me
this ____ day of May, 2025.

_____
Notary Public, State of _____
My Commission: _____

Plat of Survey for DOUGLAS AND LIANE QUAKKELAAR of That part of the South 1/2 of Section 26, Town 5 North, Range 18 East, in the Village of Mukwonago described as follows, to-wit: Commencing at the Southwest corner of Block 29; thence North 4° West along the West line of Block 29, 297 feet to a point; thence West parallel to Section line 855 feet to a point; thence South 30 feet to the place of commencement of the land herein described; thence South 60 to a point; thence West parallel to Section line 138.30 feet to the water edge; thence North 14° East along the Lakeshore 24.70 feet to a point; thence North 2° West 36 feet to a point; thence East 135 feet to the place of beginning. Land being in Waukesha County, Wisconsin. Containing 7,766 s.f. ± or 0.178 acres ± to the water edge.

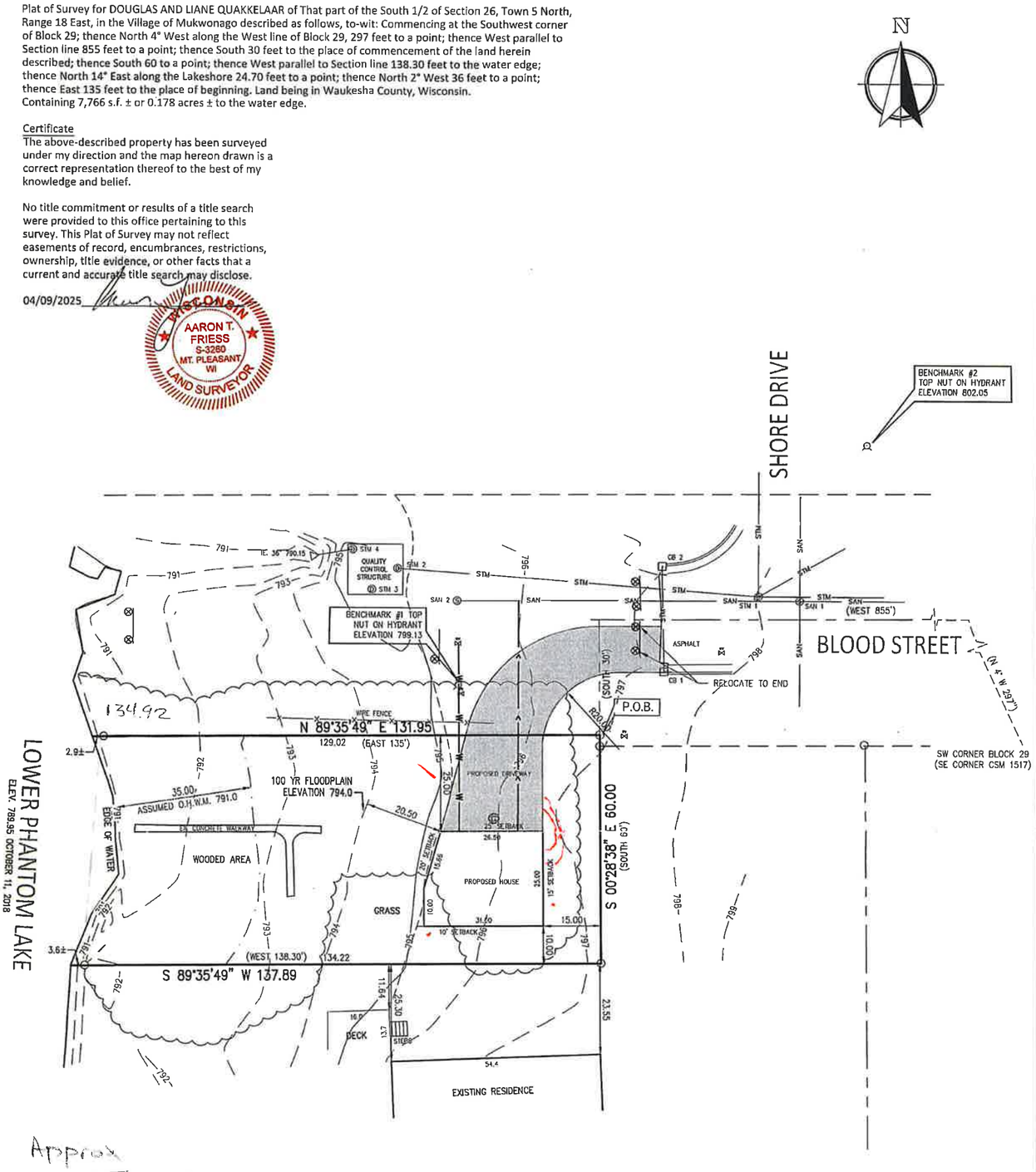
Certificate

The above-described property has been surveyed under my direction and the map hereon drawn is a correct representation thereof to the best of my knowledge and belief.

No title commitment or results of a title search were provided to this office pertaining to this survey. This Plat of Survey may not reflect easements of record, encumbrances, restrictions, ownership, title evidence, or other facts that a current and accurate title search may disclose.

04/09/2025

WISCONSIN AARON T. FRIESS S-3260 MT. PLEASANT WI LAND SURVEYOR




Approx
8,095 sq.ft.
x 20% = 1,056
x 60% = 3,168.
775 + 625 = 1400.00

797.8

## EXISTING UTILITY DATA

STM 1
RIM 798.03
IE. 36" W 790.93
IE. 36" E 792.58
IE. 36" N 790.98
IE. 12" NE 794.08

STM 2
RIM 795.46
787.16 BOT. OF STRUCTURE
790.66 TOP OF WATER

STM 3
RIM 795.46
787.16 BOT. OF STRUCTURE
790.66 TOP OF WATER

STM 4
RIM 795.46
IE. 36" W 790.46
787.16 BOT. OF STRUCTURE
790.66 TOP OF WATER

CB 1
RIM 796.98
IE. 12" N 793.48

CB 2
RIM 796.98
IE. 12" N 792.48

SAN 1
RIM 798.44
IE. 8" N 783.64
IE. 8" E 783.64
IE. 8" S 783.64
IE. 8" W 786.74

SAN 2
RIM 795.71
IE. 8" E 787.71

40' 20' 0' 20' 40'
SCALE 1"=20'

## LEGEND

- ● 5/8" REBAR SET
- ○ IRON STAKE FOUND
- RECORDED AS
- WATER VALVE
- HYDRANT
- STORM MANHOLE
- SANITARY MANHOLE
- CATCH BASIN
- —X— FENCE
- —STM— EX. STORM SEWER
- —SAN— EX. SANITARY SEWER
- GUARD RAIL
- —W— PROP. WATER LATERAL
- —>— PROP. SANITARY LATERAL
- PROP. GAS METER
- OFFSET HUB
- DRAINAGE
- OFFSET HUB ELEV.
- EX. SPOT GRADE
- PROP. SPOT GRADE

## NOTES

BEARING BASE: GRID NORTH, WISCONSIN COORDINATE SYSTEM, SOUTH ZONE. BASED UPON NAD 1983 / 2011.

ALL ELEVATIONS REFER TO NAVD 1988 (12)

BUILDING DIMENSIONS DO NOT INCLUDE BRICK LEDGE, HOWEVER SETBACKS ARE TO BRICK LEDGE (IF ANY)


Nielsen Madsen Barber
CIVIL ENGINEERS AND LAND SURVEYORS
1458 Horizon Blvd. Suite 200, Racine, WI. 53406
Tele: (262)634-5588 Website: www.nmbsc.net


# 441 BLOOD STREET
## PLAT OF SURVEY - SITE PLAN
FOR
## DOUGLAS & LIANE QUAKKELAAR
VILLAGE OF MUKWONAGO, WAUKESHA COUNTY, WISCONSIN

| NO. | REVISION | BY | DATE |
|---|---|---|---|
| | | | |

PROJ. MGR: ATF
DRAFTED: SCB
DATE: 4-9-2025
CHECKED: ATF
DATE: 4-9-2025

2018.0332.03

SHEET 1 OF 1

Wednesday, April 09, 2025 8:24:46 AM

# GRADING AGREEMENT

THIS AGREEMENT, made and entered into this _____ day of _____, 2025, by and between Bielinski Homes, Inc., hereinafter called the "Developer" and the Village of Mukwonago, a Wisconsin municipal corporation of the State of Wisconsin, hereinafter called the "Village".

**WITNESSETH:**

**WHEREAS**, the Developer proposes to develop certain lands located in the Village of Mukwonago, Waukesha County, Wisconsin, being particularly described as Chapman Farms Phase 3; and

**WHEREAS**, the Village Plan Commission and Village Board previously granted approval of the Preliminary Plat associated with the Property for the development of a residential subdivision on the Property; and

**WHEREAS**, the Village is in the process of reviewing and approving the Construction Plans and the Development Agreement for the project; and

**WHEREAS**, the Village's review of the final Construction Plans and the Development Agreement for the project are nearly completed; and

**WHEREAS,** a Development Agreement will be reviewed at a future Village Board Meeting for final approval; and

**WHEREAS**, the Developer has requested the Village to allow the grading of the Property to start prior to the approval of the Development Agreement and construction plans and the issuance of a Letter of Credit to secure performance of an executed Development Agreement, and

**WHEREAS**, the Village recognizes that timing is a factor to be considered and is willing to allow Developer, at its risk, to perform grading only as requested, upon the condition that the Developer agrees to those certain terms and conditions as more fully hereinafter set forth.

**NOW THEREFORE**, in consideration of the sum of one dollar ($1.00) to each in hand paid, the receipt and sufficiency whereof is hereby acknowledged, and in further consideration of the mutual premises and covenants hereinafter set forth, it is hereby agreed by and between the parties hereto as follows:

1. To permit the Developer to perform all rough grading work on the Property beginning Thursday, May 22, 2025, including but not limited to the installation of silt fencing, general grading of the site

and the construction of storm water management ("Grading"), and upon the terms and conditions set forth below.

2. All Grading shall be done at the Developer's risk.

3. All Grading shall substantially comply with site grading, drainage and soil erosion plan and related specifications as approved by the Village Engineer and the Developer. Such plan has been prepared on behalf of the Developer by a professional engineer licensed by the State of Wisconsin.

4. The Village shall be reimbursed by the Developer for all reasonable costs incurred by the Village in relation to the Grading. These costs shall include, but not be limited to, plan review, inspection and related overhead costs. Reimbursement shall be guaranteed by the Developer.

5. In the event that the preparation and/or final review of the Master Grading Plans by the Village dictate revisions to the proposed grades, either at the Developer's request or at the direction of the Engineer, such regrading shall be performed by the Developer without any recourse to the Village whatsoever.

6. In the event the Developer does not receive final approval by the Village for the Development Agreement and Construction Plans, the Developer shall return the site to existing conditions at the sole expense of the Developer without any recourse to the Village whatsoever.

7. The Grading shall be performed with proper control of soil erosion and with minimum siltation of existing drainage facilities. Any damage to the existing drainage facilities caused solely by the Developer, including siltation removal, shall immediately be repaired by the Developer. As appropriate, by virtue of delay in the development process, vegetative cover shall be re-established by the Developer and/or effective erosion control measures shall be installed and continually maintained by the Developer where vegetation has been removed, covered or destroyed.

8. To assure compliance with the above-mentioned conditions, including but not limited to the establishment of positive soil erosion control measures, performance hereunder shall be guaranteed with a deposit by the Developer with the Village in the amount of $250,000 in the form of a letter of credit. In the event there is a material default or breach of this Agreement by Developer, the Village shall provide Developer written notice of its material default

under this Agreement ("Notice of Default"). Developer shall have fifteen (15) days from receipt of the Notice of Default to cure the default under this Agreement unless such default cannot be cured within the fifteen (15) days and in such case Developer shall have commenced to cure said default within the fifteen (15) days and thereafter continue diligently to pursue to completion the curing of the default. If Developer fails to cure the default as set forth herein, the Village is authorized to stabilize the site or to take other action to correct the Developer's violations hereof by drawing on the letter of credit and using the funds for such purposes. Upon finalization of the development agreement and providing a letter of credit to secure completion of the third phase of Chapman Farms, the Village shall diligently return the Letter of Credit to the Developer. This Agreement shall be terminated upon Developer's receipt of the Letter of Credit.

9. This Agreement shall be binding upon the heirs, personal representatives, successors and assigns of the parties hereto.

10. This Agreement may be executed simultaneously or in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. There is no requirement that each party sign the same counterpart. This Agreement may be signed by electronic signatures, as defined under Wisconsin Statutes Section 137.11(8) or the U.S. federal ESIGN Act of 2000 and any subsequent corresponding statute, including without limitation facsimile, portable document format (PDF), e-mail, or other means of electronic transmission. Any such signature shall be given the same effect as if it were an original signature on an original Agreement or counterpart. Immediately upon one or more counterparts hereof, individually or taken together, bearing the signatures, electronic or otherwise, of each of the parties reflected hereon as signatories, this Agreement will become legally binding, and may be introduced or submitted in any action or proceeding as competent evidence of such Agreement notwithstanding the failure or inability of either party to produce or tender an original executed counterpart.

SIGNATURES ON THE FOLLOWING PAGE

IN WITNESS WHEREOF, the parties hereto have executed this instrument under their several seals the day and year first above written, the name and corporate seal of each corporate body being hereto affixed and the instrument duly signed by its duly authorized representative.

DEVELOPER
BIELINSKI HOMES, INC.

By: _____
Frank Bielinski, President

VILLAGE OF MUKWONAGO

By:_____
Fred Winchowky, Village President

Attest:_____
Lana Kropf, Village Clerk/Treasurer

[SIGNATURE PAGE TO GRADING AGREEMENT]

**WisDOT Division of Transportation System Development**
Southeast Regional Office
141 N.W. Barstow Street
P.O. Box 798
Waukesha, WI 53187-0798

**Governor Tony Evers**
**Secretary Kristina Boardman**
wisconsindot.gov
Telephone: (262) 548-5903
FAX: (262) 548-5662
Email: waukesha.dtd@dot.wi.gov

April 15, 2025

DIANA DYKSTRA
VILLAGE OF MUKWONAGO
440 RIVER CREST CT
MUKWONAGO WI 53149

Subject: Log #340334 – Development Submittal
Parkview Middle School Expansion
WIS 83 & CTH NN SE Quadrant
Waukesha County

Dear Ms. Dykstra:

The Traffic Impact Analysis (TIA) performed by TADI covering the Parkview Middle School Expansion has allowed the Department to understand the impacts of the subject development and identify the necessary improvements. The attached lists the improvements that are to be constructed as a result of this development.

The development can now proceed to the Department's Permit Process. The permit plans will require design preparation (please see attached plan requirements). **All permits will be issued to the maintaining authority and the design consultant will need to forward permit plans for review and submittal.**

If you have any questions regarding traffic issues, please contact the undersigned at (262) 548-6707. Please direct any questions regarding the Trans 233 process to Jorge Salazar at (262) 548-5695 or Robert Elkin at (262) 548-8704. Kevin Koehnke at (262) 548-5891 will coordinate any permit issuance for this project. Please reference the log number (#340334) when forwarding all correspondence.

Sincerely,

Art Baumann, P.E.
Traffic Operations Engineer

Cc: Tony Barth / Brian Roper / Robert Elkin / Tom Boyke, DOT
Kevin Koehnke / Jorge Salazar-Oyarce / Sue King, DOT
Alena DeGrado / Karen Martens / Dave Brantner DOT
Brett Wallace / Jason Mayer, Waukesha County
Dan Bieberitz, TADI

**Project:** Log #340334 Parkview Middle School Expansion
WIS 83 & CTH NN SE Quadrant, Mukwonago, Waukesha County
**Review Unit:** Traffic Operations
**Reviewer:** Art Baumann, Dan Ashenfelter – SE Region
**Date:** April 15, 2025

# Improvement Measures

## General Notes

***Design***

1) Contact the WisDOT permit coordinator (Kevin Koehnke at 262-548-5891) prior to plan submittal to identify the plans that are required and obtain any supplemental design guidelines. Incomplete submittals will be returned without review.
2) The design for the improvements at all WisDOT intersections shall be prepared in accordance with the FDM requirements for design and plan preparation. The design shall accommodate the appropriate design and check vehicles per the FDM. All lanes are to be a minimum of 12 feet in width, unless otherwise specified (final width to be determined during design). All left turn lanes *should* be opposing. All necessary drainage, utility, signage and pavement marking improvements shall be provided. The signing plan (separate plan sheets from other roadway improvement plan sheets) shall include sign details and signs that require moving.
3) For questions regarding signing or pavement marking, please contact Karen Martens at Karen.Martens@dot.wi.gov or (262-548-6892).
4) For questions regarding work zone traffic control plans please contact the permit coordinator.

***Multimodal Accommodations***

1) Bike and pedestrian accommodations shall be provided in accordance with the FDM and ADA requirements as listed below. Please contact Alena DeGrado, WisDOT Pedestrian/Bicycle Facilities Coordinator, at (262) 548-6724 or Alena.DeGrado@dot.wi.gov with questions regarding pedestrian/bicycle accommodations.
2) Install bicycle accommodations between the travel lane and all new exclusive right turn lanes. Install bicycle accommodations along all new bypass lanes. Bicycle accommodations shall also be installed along all travel lanes that are being reconstructed and have shoulders 6 feet in width or greater.
3) Any sidewalks and curb ramps impacted by road improvements shall be restored. Improvements that meet the Americans with Disabilities Act (ADA) definition of an “alteration” will require curb ramp improvements. This includes sidewalks at intersections and those adjacent to roadways.
4) All impacted multimodal accommodations (bike, pedestrian, transit, etc.) shall be restored with the reconstruction of any intersection radii.

***Right of Way***

1) A party other than the WisDOT shall acquire any required right-of-way for the permit plans.

***Utilities***

1) Utility coordination is the responsibility of the municipality/developer (or their consultant representative) constructing the work.
2) Utility relocations that occur as a result of this work may not be covered under Wisconsin Administrative Rule TRANS 220. The municipality/developer (or their consultant representative) requesting the work shall be responsible for all costs associated with the needed relocation of any utility facility as a result of the work.

***Access***

1) Department will permit one access to WIS 83 at the location of the current southerly access to the parcel. The location and number of accesses to the development property on non-WisDOT jurisdiction roads shall be determined by the government entity that has jurisdiction.
2) **The municipality/developer (or their consultant representative) shall be responsible for notifying any offsite property or business owners whose access or operations will be impacted as a result of the proposed development. The municipality/developer shall provide the Department with written documentation verifying that all impacted property or business owners have been contacted prior to permit submittal.**

***Traffic Signals***

1) The WisDOT Traffic Operations team reserves the right of first refusal to design the traffic signal plans at intersections owned and maintained by WisDOT. Please contact Dave Brantner at (262) 548-8736 to discuss who will be responsible for designing the traffic signals. Traffic signal plans prepared by a consulting firm shall be submitted to Scott Wagner for final approval by a WisDOT signal engineer. Upon receiving final approval, the consultant shall submit an original signed and sealed hard copy to Dave Brantner. **Traffic signal plans submitted for permit without a WisDOT signal engineer signature approval will be returned**. Final electronic (AutoCAD) traffic signal plan files shall be submitted to Scott Wagner prior to issuance of permit.
2) The design consultant retained by the developer/municipality shall contact Dave Brantner to schedule a scoping meeting prior to the signal design/update.
3) An engineering services agreement shall be required for the traffic signals work by WisDOT. This agreement will cover WisDOT signal design work and plan preparation (if any), the cost of any State furnished signal control equipment (above ground) and WisDOT staff time for site visits, coordination, review, and field inspection. **Requests for the engineering services agreement shall be made to Dave Brantner a minimum of 15 days prior to the scoping meeting. The engineering services agreement shall be signed and submitted to Dave Brantner prior to the submission of the electronic intersection geometric plans. A *signed* Engineering Services Agreement shall be in place prior to WisDOT performing any engineering services.**
4) Traffic signal plans shall be prepared in accordance with MUTCD, FDM and TSDM (Traffic Signal Design Manual) standards for all signalized intersections (current or proposed) whose design and/or operational improvements will conflict with the location of existing traffic signal system infrastructure (including, but not limited to: conduit, pull boxes, cabinets, signal poles, hardwire, and loop detectors), require readjustments to the current timing or phasing plans, or require the installation of additional or new signal infrastructure or hardware. **Plans shall be submitted in the proper format per FDM standards requirements to WisDOT or the consultant firm preparing the traffic signal plans. Current template and block libraries can be found at https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/tools/cad/civil-3d.aspx. Plans submitted shall be in the county coordinate system.** If further verification of signal infrastructure or timing impacts based on recommended improvements is needed, questions or concerns should be directed to the WisDOT Signal Operations team (Dave Brantner) prior to permit issuance.
5) **If traffic signal loops are to be placed on private property as part of the signal installation, a maintenance easement to the benefit of WisDOT shall be obtained from the private property owner.** The easement shall allow the WisDOT to enter the property at its discretion to maintain the loops. The easement shall encompass an area equal to the width of the driveway and extend from the road right-of-way to 20 feet past the furthest loop detector.

## Parkview Middle School Expansion Improvements

*The following improvements shall be designed, constructed, and paid for by the Village of Mukwonago/Developer prior to the opening of the development.* ***The following improvements assume the development in the northwest quadrant of WIS 83 & CTH NN does proceed.***

### WIS 83 & School Bus/Staff Driveway

1) Reconstruct the proposed access as a left-in/right-in/right-out driveway.
2) The north approach shall provide three southbound lanes (two through lanes, one exclusive left-turn lane). The southbound left-turn lane shall maintain a storage length of 440 feet plus taper.
3) The east approach shall provide a single westbound right-turn lane.
4) The south approach shall provide a single northbound shared through/right-turn lane.

### WIS 83 & CTH NN

1) Coordinate the existing traffic signal with the proposed signal at CTH NN & Main School Driveway/Hawks Ridge Drive.
2) No additional improvements are required at this intersection.

### CTH NN & Metro Market Driveway

*This intersection is under the jurisdiction of Waukesha County. The improvements below are suggestions, the County has authority to require alternative/additional improvements to those listed below. Contact Jason Mayer with Waukesha County at 262-548-7749 or JMayer@waukeshacounty.gov prior to plan submittal to identify the plans that are required and obtain any supplemental design guidelines.*

1) The north approach should maintain a single shared southbound left-turn/right-turn lane.
2) The east approach should provide two westbound lanes (one through lane, one shared through/right-turn lane).
3) Remove the south approach of the intersection.
4) The west approach should provide three eastbound lanes (one exclusive left-turn lane, two through lanes). The eastbound left-turn lane should maintain a storage length of 90 feet plus taper.

### CTH NN & Main School Driveway/Hawks Ridge Drive

*This intersection is under the jurisdiction of Waukesha County. The improvements below are suggestions, the County has authority to require alternative/additional improvements to those listed below. Contact Jason Mayer with Waukesha County at 262-548-7749 or JMayer@waukeshacounty.gov prior to plan submittal to identify the plans that are required and obtain any supplemental design guidelines.*

1) Remove the existing two-way left-turn lane (TWLTL) along CTH NN.
2) Install an actuated traffic signal at the intersection. The signal should be coordinated with the existing signal at WIS 83 & CTH NN.
3) The north approach should maintain a single southbound lane.
4) The east approach should provide two westbound lanes (one exclusive left-turn lane, one shared through/right-turn lane). The westbound left-turn lane should provide a storage length of 250 feet plus taper.
5) The south approach should provide two northbound lanes (one exclusive left-turn lane, one shared through/right-turn lane). The northbound left-turn lane should provide a minimum storage length of 175 feet plus taper.
6) The west approach should provide three eastbound lanes (one exclusive left-turn lane, one

through lane, one exclusive right-turn lane). The eastbound left-turn lane should provide a storage length of 150 feet plus taper. The eastbound right-turn lane should provide a storage length of 325 feet plus taper.

## Parkview Middle School Expansion Potential Additional Improvements

*The following improvements shall be designed, constructed, and paid for by the Village of Mukwonago/Developer prior to the opening of the development.* ***The improvements in this section will be required in addition to those listed in the section above if the development in the northwest quadrant of WIS 83 & CTH NN does not proceed.***

### WIS 83 & Metro Market/McDonald's Driveway

1) Close the existing median opening, resulting in a right-in/right-out driveway.

### WIS 83 & CTH NN

1) The north approach shall provide four southbound lanes (one exclusive left-turn lane, two through lanes, one exclusive right-turn lane). As a result of closing the Metro Market/McDonald's Driveway, the southbound left-turn lane shall provide a storage length of approximately 475 feet plus taper. The southbound right-turn lane shall maintain a storage length of 100 feet plus taper.
2) The east approach shall be restriped to provide three westbound lanes (one exclusive left-turn lane, one through lane, one shared through/right-turn lane). The westbound left-turn lane shall maintain a storage length of 230 feet plus taper.

# 2024

# VILLAGE OF MUKWONAGO POLICE DEPARTMENT ANNUAL REPORT

Chief Daniel Streit
Village of Mukwonago
Police Department
627 S. Rochester St.
Mukwonago, WI 53149

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## Village Officials

President Fred Winchowky

## Trustees

Eric Brill
Darlene Johnson
Ken Johnson
John Meiners
Dale Porter
Scott Reeves

## Police Commission

Robert Douglas
Karl Kettner
Joseph McAdams
Sue Perkins
Timothy Spersted

# Vision

A Village of Mukwonago where all citizens can live safely and without fear, protected by a police department with the highest ethical and professional standards.

# Mission

The staff of the Village of Mukwonago Police Department strives to provide all citizens, residents and visitors with professional law enforcement. We accept our obligation to protect the rights and liberties of all persons, regardless of race, sex, religious background, or ethnicity. We understand the importance that people place on their personal safety and the safety of their property.

## We pledge to:

- **Be responsive to the community and understand that the needs of the community may change over time.**
- **Be proactive in matters of crime prevention and community involvement.**
- **Be impartial in our contacts with all.**
- **Work in partnership with the members of the community, to make Mukwonago a better place to live, work and visit.**

# Core Values

## COMPETENCE

We are prudent stewards of the publics' grant of authority and resources. We are accountable for the quality of our performance and the standards of our conduct. We are exemplary leaders and exemplary followers.

## COURAGE

We place the safety of others before our own and accept our moral responsibility to take action against injustice and wrongdoing. Police members are expected to take prudent risks on behalf of the public.

## INTEGRITY

We recognize the complexity of police work and exercise discretion in ways that are beyond reproach and worthy of public trust. Honesty and truthfulness are fundamental elements of integrity. It is our duty to earn public trust through consistent words and actions. We are honest in word and deed.

## LEADERSHIP

We seek to influence human behavior to achieve organizational goals that serve the public while developing individuals, teams and the organization for future service. We accept our responsibility to be leaders, both within the community and among our peers and for the actions of our colleagues and ourselves. We are all responsible for the performance, reputation and morale of the department.

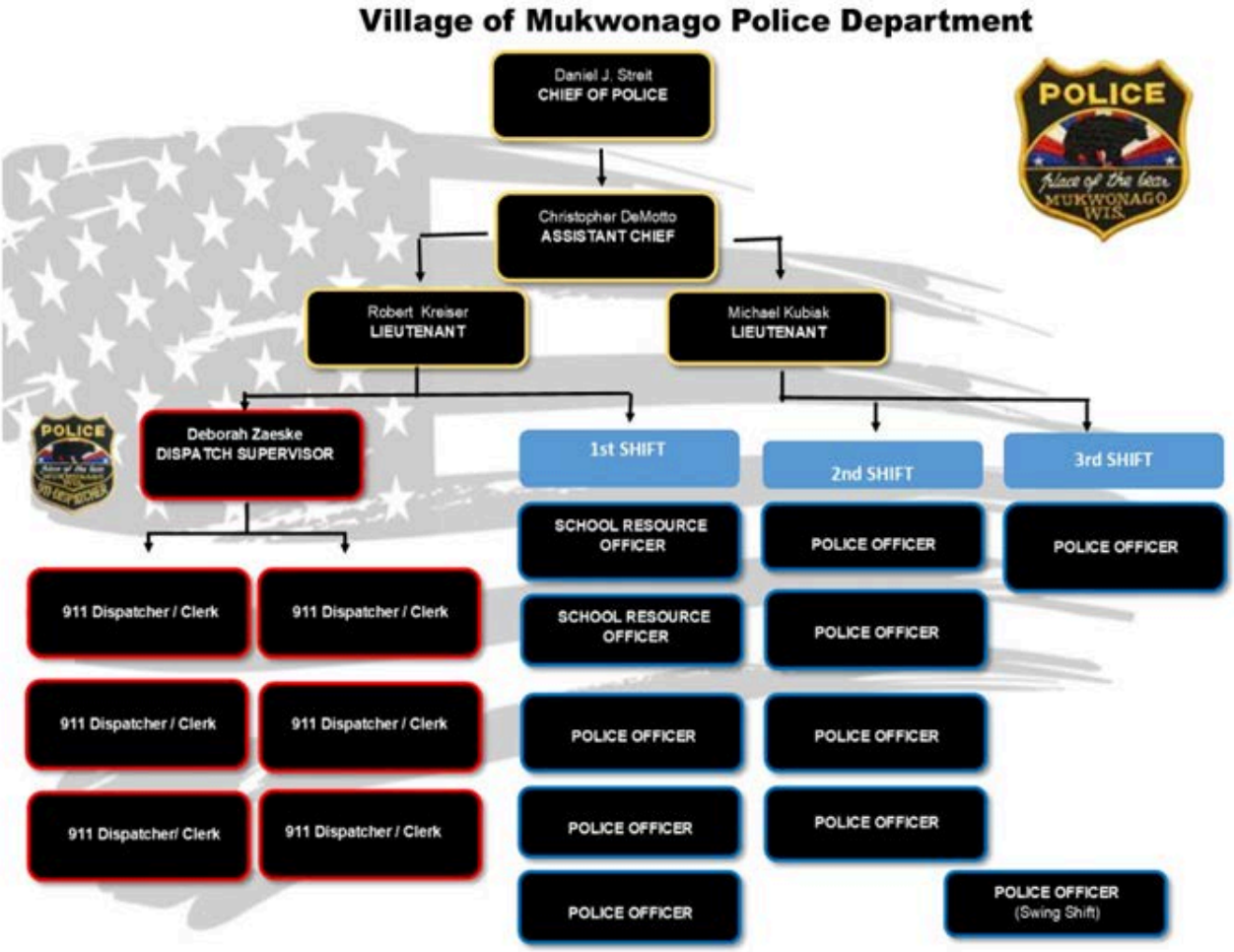
## RESPECT

We hold life in the highest regards. We treat all citizens and colleagues with dignity and respect and are fair and impartial as we perform our duties.

## RESTRAINT

We use the minimum force and authority necessary to accomplish a proper police purpose. We demonstrate self-discipline, even when no one is listening or watching.

# Village of Mukwonago Police Department



# Message from the Chief

I am pleased to share with you the Village of Mukwonago Police Department's 2024 Annual Report.

Your Village Police Department consists of 15 officers, which includes command staff, 7 dispatchers/clerks, and currently several Police Reserve Officers who assist the department at special events.

The department provides police service to the Village of Mukwonago 24-hours-per-day, 7 days-per-week. Our dispatch center provides dispatch service to the Village of Mukwonago PD and the Town of Mukwonago PD and boat patrol.

Every member of the department remains committed to our core values (Competence, Courage, Integrity, Leadership, Respect, and Restraint). We strive to achieve our vision of a community where all citizens can live safely and without fear. We are dedicated to our mission of providing professional law enforcement to all by being responsive to the community needs, be proactive in crime prevention and community involvement, be impartial in our contacts with everyone and work together with all members of the community.

I would like to thank the Village Board, Police Commission and all other employees of the Village of Mukwonago. Together we can and have made a difference. On behalf of all the members of the department, thank you for providing us with the resources to complete our mission.

I want to thank Chaplains Rob, Steve and Bill for their volunteer service to the department and community. They are a dedicated group and have assisted our officers with grieving residents who have lost a loved one or experienced a traumatic event. They have also assisted members of our department with their own grief after a loss or traumatic event. I cannot thank them enough for all they do.

Lastly, I want to give my sincere thanks to the men and women of the department. Our job is not an easy one. We put in long hours, work nights, weekends and holidays when our families want us with them. Many times, we see the worst in people and the unthinkable things one human being does to another human being. Yet every member of this department remains dedicated to our mission. Thank you for all your hard work and support. And on behalf of all the residents, business owners and visitors in Mukwonago, thank you for working to keep us all safe.

Daniel J. Streit
Chief of Police

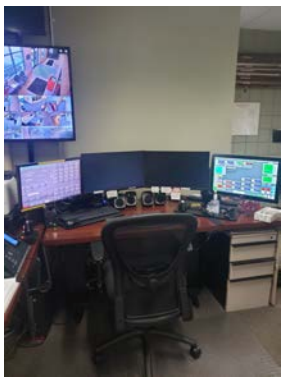
# Mukwonago Dispatch Center Remodel

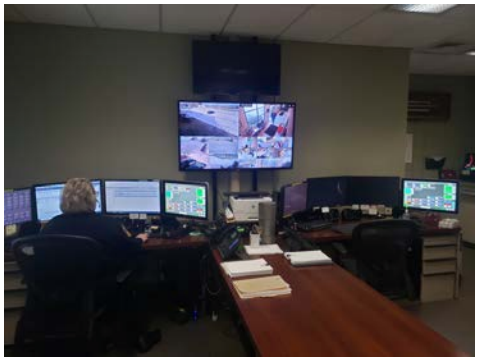
In January of 2024 we started our remodel of the Mukwonago Dispatch Center. The dispatch center was about 24 years old and in need of new technology and other updates.

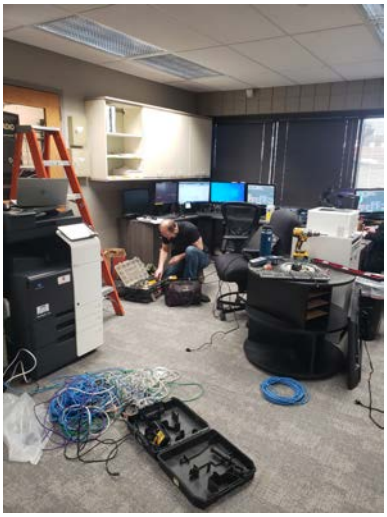
The first part of the project was to relocate both dispatch consoles; which includes radio equipment, telephones and 911 equipment to our clerical room. Once that was done we were able to remove all the remaining equipment, cabinets and flooring. The room was given a fresh coat of paint, new carpet and electrical/data ports and cables. Monitors were mounted on the walls for dispatch to be able to view Village cameras, of our parks, during special events. Two new dispatch desks were then installed. The desks are fully adjustable for better ergonomics and to be more efficient. The new desk also increased the computer monitors dispatcher use from four to six but is expandable for the future to ten. New countertop and cabinets were also installed. We then began the task of moving dispatch operations back to the newly updated dispatch center. One dispatch console was moved at a time to keep the dispatch center operating without downtime. We utilized the new console for a week without out any issues, then we move the second dispatch console over. By April we completed the dispatch remodel 5% under budget.

A special thanks to Mukwonago's public works department, Village IT and radio services for their hard work and dedication.

## BEFORE







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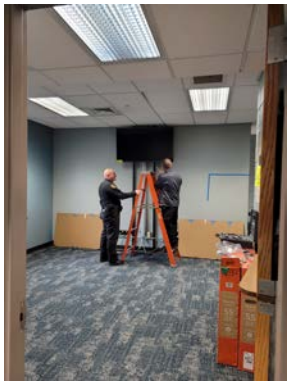
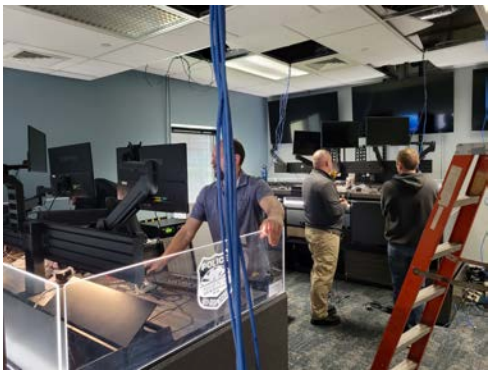
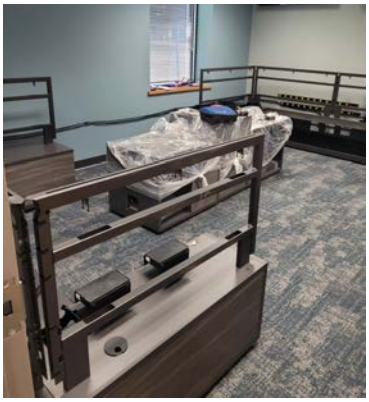
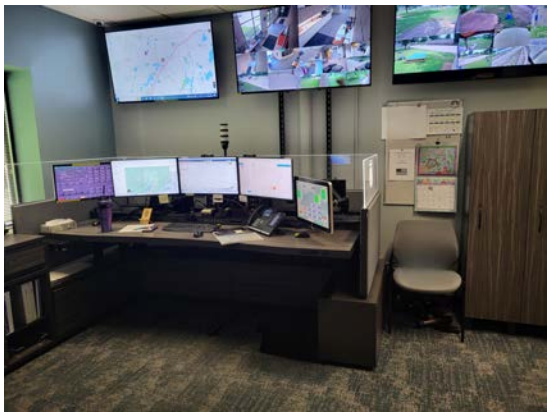
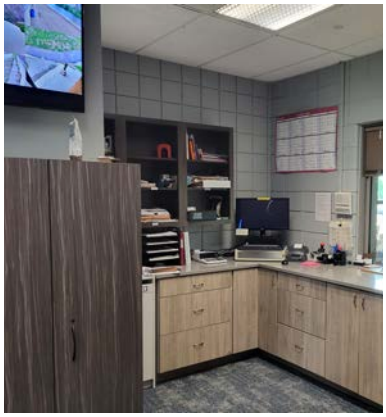










# Welcome

Welcome, Officer Tyler Dykstra! On January 8, 2025, Officer Dykstra was sworn in as a Village of Mukwonago Police Department Officer. Tyler grew up in Mukwonago and also attended school here After Officer Dykstra completed the Recruit Academy at W.C.T.C. and joined our department right after graduation. We are all very glad to have him here as a member of our department.

Welcome, Dispatcher Victoria Weber! Dispatcher Weber joined our department on June 10, 2025. Dispatcher Weber also grew up in and around the Mukwonago area. Dispatcher Weber is a great addition to the Dispatch Center and we are very lucky to have her. Her bubbly personality can't help but make you smile.

# Goodbye & Thank You

On December 31, 2024, Supervisors and Staff came to wish Dispatcher Aliyah Simmons all our best as she worked her last shift at MKPD. Aliyah was a second/third shift Dispatcher at MKPD since November 18, 2022. While working here full time, Aliyah attended college during the day and worked fulltime at night. This was not a goodbye, it was all of us showing our support as she moves on to the Police Academy for another police agency. We are so very happy for her but will miss her immensely.

# Talks / Tours

The Mukwonago Police Department provides numerous educational talks and tours to the public. Several times a year Girl and Boy Scout troops meet at the department to earn a merit badge in crime prevention. The tour takes the children to our dispatch center where they can see where 911 calls go to and see how emergency vehicles are dispatched to calls. They also see the officer work areas, prisoner process area, armory, squad cars and the officer's equipment. We also educate them and provide handouts containing anti-drug messages, crime prevention, stranger danger and other general safety practices. If you have a group that would like a tour, please call the department for more information or to schedule your tour/talk. You can reach us at 262-363-6435.

# Support from the Community

WE Energies awarded the Village of Mukwonago Police Department $2,000 dollars to purchase "Water Wall" traffic safety barriers for the department to use at special events. These will help to keep pedestrians safe from vehicular traffic. The awarding of the grant took place during the WE Energies Rewarding Responders grant media event at the West Allis Fire Department administration building on August 29, 2024.

we energies

Thank you Kwik Trip and Kwik Trip Kares for your generous donation. Your donation was used to purchase traffic safety devices. These items include barricades, warning signs for parades, and other special event equipment.

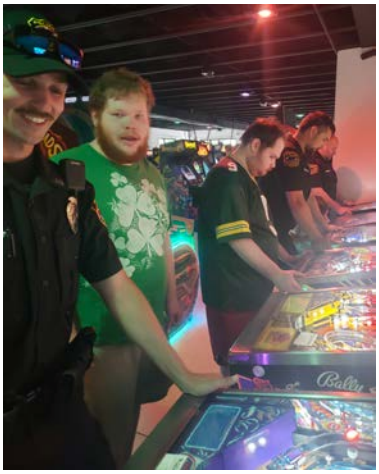
KWIK TRIP

# Support from the Community

Thank you to everyone in our community and local businesses for your support. We can not express enough how much we appreciate all that you do for us.

# Community Event Participation

We enjoyed participating in Community events in 2024. Games with a Cop, Scoopie Night at Culvers, the Father's Day Parade, and Touch a Truck, were some of these events. Everyone who attended, officers, staff, and our residents had a great time. We look forward to days like these when we can connect with our community in a positive light.



# OWI Task Force

The task force provides extra patrol within our communities for primary enforcement of seatbelt violations, speeding violations, OWI and reckless driving violations. These deployments focused on the areas that are most impacted by crashes and traffic related issues. Higher visibility and adding the additional officers to primarily focus on traffic related issues helped to work towards lowering the amount of traffic crashes and enforced seat belt violations. Our task force monitored Community Maps and crash data to focus deployments in the areas that are believed to have the greatest amount of issues. In 2024, the Southern Waukesha Traffic Task Force was deployed 51 times from January to October for OWI enforcement and Click it or Ticket. These deployments help increase safety on the roads.

# Civilian Response to an Active Shooter Event

Law enforcement officers and agencies are frequently requested by schools, businesses and community members for direction and presentations on what they should do if confronted with an active shooter event. The Civilian Response to Active Shooter Events (CRASE) course, designed and built on the Avoid, Deny, Defend (ADD) strategy developed by ALERRT in 2004, provides strategies, guidance, and a proven plan for surviving an active shooter event. Topics include the history and prevalence of active shooter events, civilian response options, medical issues, and considerations for conducting drills.

In 2024, the Village of Mukwonago Police Department presented Avoid, Deny, Defend to local businesses as an option for them in these events. The Village of Mukwonago Police Department is available to present this plan. If interested in having this presentation at your business, contact Lt. Michael Kubiak at mkubiak@mkpd.org.

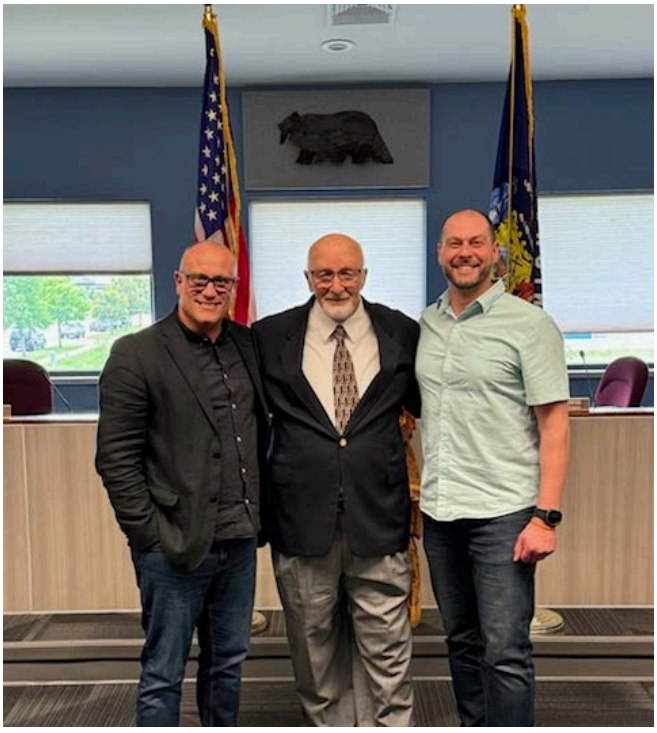
ALERRT

# Police Chaplain Program

Since it's inception at the end of 2015, the chaplain program continues to be staffed by volunteers: Chaplain Rob Jadrnicek (LifePoint Church), Chaplain William Gunderson (Fox River Christian Church), and Chaplain Steven Kielley (LifePoint Church). Having received formal training in police and fire chaplaincy and Critical Incident Stress Management, our chaplains are available whenever a crisis arises.

They are also proactively involved in the police and fire departments by:

- Regularly riding along
- Attending various department trainings
- Assisting with National Night Out
- Assisting with the Shop with a Cop event
- Attending swearing in ceremonies of new officers
- Participating in the 9/11 Memorial Ceremony at the Fire Department
- Attending the Waukesha County Police Memorial Service
- Providing support to officers, EMS and their families



Left to Right: Chaplain Rob, Chaplain Bill and Chaplain Steven.

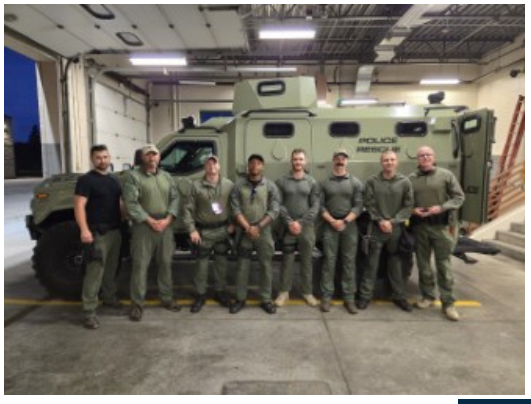
# Suburban Critical Incident Team (S.C.I.T.)

The Suburban Critical Incident Team (S.C.I.T.) is comprised of nine local law enforcement agencies. The nine agencies include: City of Brookfield, City of Delafield, City of Muskego, City of New Berlin, Village of Chenequa, Village of Elm Grove, Village of Hartland, Village of Mukwonago and the Village of Pewaukee. These nine agencies work as a team to provide tactical services to their communities and, when requested, to assist other agencies. In addition to these nine law enforcement agencies, the City of Brookfield and Lake Country Fire Departments provide paramedics who provide tactical emergency medical services for the team.

The Suburban Critical Incident Team has: 32 tactical officers, 3 command positions, 10 Tactical Paramedics (TEMS), 19 negotiators, and 13 Technology Resource Group (TRG) officers
In 2024, The Suburban Critical Incident Team conducted numerous in-house trainings for the three units which the Village of Mukwonago Officers are assigned. This valuable training is a paramount consideration during the handling of critical incidents within the Village of Mukwonago. SCIT was deployed 27 times during 2024 for incidents which included internet crimes against children, dignitary protection details, high-risk warrant service and providing tactical support for the Republican National Convention.
Locally, Officer Cory Kirkpatrick has held the position of tactical operator/ chemical munitions coordinator for seven years. Officer Joe Petted has held the position of crisis negotiator for five years and Officer Cieszynski has held the position of drone operator for approximately two years. These officers receive training throughout the year to advance their skills and provide advanced knowledge in these areas to the police department.

The Crisis Negotiations Team (CNT) is equipped to facilitate communications, and intelligence dissemination management, for tactical situations. Critical incidents are more likely to be resolved by negotiations (dialogue) rather than intervention options. The team coordinates focused efforts from the various Hub locations and the command post for the situation. Suspect cooperation and peaceful resolutions are the desired results. The team deployment and controlling presence keeps potentially dangerous situations from escalating. When the team acquires and maintains control of certain factors this ultimately dictates a pathway to the safest possible resolution.

The SCIT TRG unit began its formation in January of 2023. All members of the TRG unit are federally licensed drone pilots and began training together in February of 2023. The unit was declared operational by August 2023. TRG has since helped with search warrant executions and surveillance throughout Waukesha County. The added scene surveillance has proven invaluable to the SCIT tactical officers and command staff. TRG will continue to grow and develop with the team in the future.



# Civil Disturbance Unit

The Civil Disturbance Unit (CDU) consists of officers with specialized training to respond to civil unrest.  the Village of Mukwonago participates in a county wide unit that focuses on bringing unlawful and dangerous protests or events safely back under control.

Officer Pinkowski serves as a member of the CDU and had held this position for six years. Officers on CDU train multiple times per year to progress their specialized knowledge, skills, and equipment use to ready for deployment.

In 2024, Officer Pinkowski participated in additional training in preparation for the Republican National Committe events.

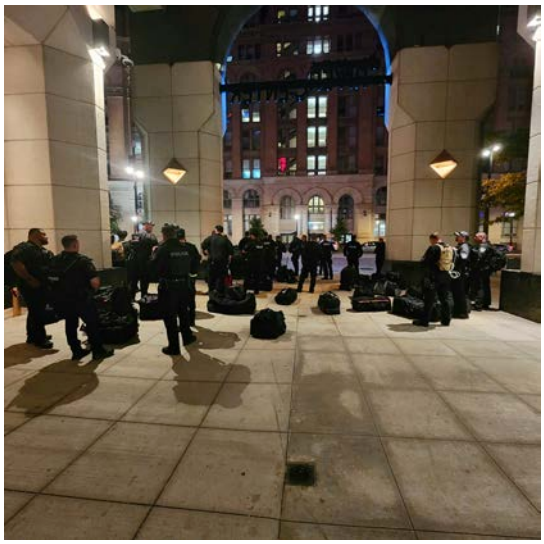
# Walworth County Sheriff's Office Mobile Field Force

The Walworth County Sheriff's Office Mobile Field Force is a multi-jurisdictional team that is trained to handle large-scale events. The team specializes as a mobile field force in tactics relating, but not limited to: crowd control, riot intervention, and looting interception.

Officer Rogers has served on the Walworth County Sheriff's Office Mobile Field Force since late fall of 2020, with a promotion to a team leader in 2023. Officer Rogers has received FEMA training to be a mobile field force operator.

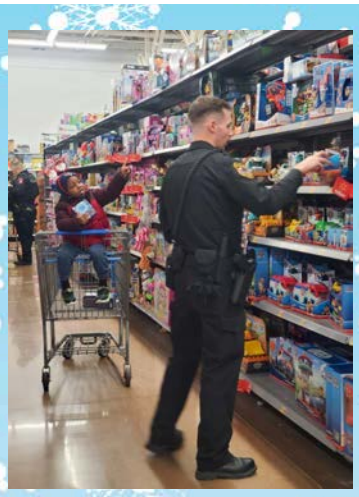
The Walworth County Sheriff's Office Mobile Field Force was deployed in July of 2024 to the Republican National Convention in Milwaukee, Wisconsin to assist the City of Milwaukee Police Department in their efforts to maintain the general public and convention attendee's safety and security. The team had conducted various and numerous trainings leading up to this deployment.

Officer Rogers served as a team leader for three separate shifts on the RNC deployment: July 14, 16, and 18, 2024.  The Mobile Field Force was initially deployed to a general staging area the first day. However, on the remaining days, the team was staged at a strategic position in the downtown area to be a quick response in the event of civil unrest.



# Making a difference

The Village and Town of Mukwonago Police Departments would like to thank Walmart, Pepsi, the Village of Mukwonago Police Association and our other anonymous donors for their generous donations to the 2024 Shop With a Cop event on December 19, 2024. Yet again, this was a successful event with numerous deserving local children receiving gifts as they shopped with their parents and local law enforcement officers.



# Prescription Drop Box / Drug Take Back Events

The medication disposal unit installed in the lobby in 2014 was again put to good use throughout 2024. In 2024 we accepted approximately 445 pounds of medications in the drop box! The red drop box can be accessed in the lobby 24-hours-per-day. We also participated in the Drug Take Back event at Walgreens - 104 pounds and Pro Health Care - 171 pounds. Between the drop box and the two events, we collected approximately 720 pounds of prescription pills to be properly disposed of.

# Neighborhood Watch Program

**T**he Neighborhood Watch program is one of the department's oldest community programs. The program helps join police officers with the residents they serve. The goal is to work together to deter crime and help keep Mukwonago safe. We rely on members of the community to help notice strangers or activity that is out of place. To start your own Neighborhood Watch program, talk to your neighbors, find out who is interested in participating and set up a meeting. Meetings can be held at someone's home or a community room. Contact Lt. Michael Kubiak at (262) 363-6435 or email him at mkubiak@mkpd.org to help you get started.

# National Night Out

The Village of Mukwonago Police Department, working in conjunction with the Mukwonago Neighborhood Watch group, is very proud of the growing popularity of this annual event held at Field Park on the first Tuesday of August each year.

The National Night Out event aims to heighten crime and drug prevention awareness, generate support for and the participation in local anti-crime efforts, strengthen neighborhood spirit and police-community partnerships and send a message to local criminals that neighborhoods are organized, on the look out and fighting back!

The Village of Mukwonago Police Department was proud to partner with the Town of Mukwonago Police Department, Village of Mukwonago Public Works and Mukwonago Fire Department to host the event.

## Donors Included:

Kwik Trip
Citizen's Bank of Mukwonago
Campbell Construction
Hahn Ace Hardware
Lynch - Mukwonago
L'Bri
David Alan Alan's
Road Runner Car Wash
Vintage Vault Arcade
Milwaukee Tool
Aurora Clinics
Mukwonago Family Dentistry
Dousman Transport
Educator's Credit Union
Village Players
Waukesha State Bank
Bangin Burger

# National Night Out

We are also very proud to partner with the Village of Mukwonago Board of Trustees and the Village President who attended this event, as well as the staff of the Mukwonago Police Department, who also volunteered their time for this event.

# 2024 School Resource Officer Program

The School Resource Officer Program began at the Mukwonago High School in December 1999 as a result of a partnership with the Village of Mukwonago Police Department and the Mukwonago Area School District. In September 2018, we also partnered to place a School Resource Officer in the Park View Middle School.

This program is a proactive approach towards reducing and preventing problems associated with adolescents in the school. The program assists in providing the students with a safe learning environment and preventing incidents of school violence. The Officers are also involved in many programs in the Schools and the community.

Prime for Life - a program which provides drug and alcohol information to at risk students.
Tobacco Abatement Resolution – Developing measures to stop using tobacco products.
Quick 25/50 Program - Coordinator of crime stoppers and the Quick 25/50 Program.

In 2024. our School Resource Officers were Officer Jason Steinbrenner at Mukwonago High School and Officer Joseph Petted at Park View Middle School.

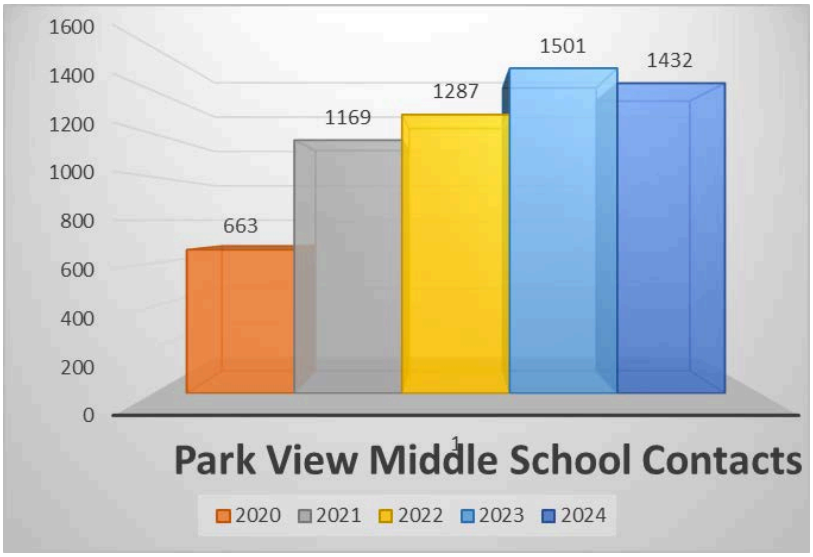
| MUKWONAGO HIGH SCHOOL | |
|---|---|
| **OFFICER CONTACTS** | |
| **ACTIVITY** | **2024 TOTAL** |
| Incidents | 283 |
| Student Contacts | 722 |
| Meetings | 699 |
| Parent Call/Emails | 197 |
| Other Calls/Emails | 523 |
| Verbal Warnings | 13 |
| Citations/Referrals | 118 |
| Class Talks | 8 |
| Reports Taken | 102 |
| Other | 23 |
| TOTAL | 2,688 |

| MUKWONAGO HIGH SCHOOL | |
|---|---|
| **CITATIONS** | |
| **ACTIVITY** | **2024 TOTAL** |
| Parking | 41 |
| Juvenile Referral | 4 |
| Disorderly Conduct | 11 |
| Possession of Controlled Substance | 11 |
| Misc. Traffic | 4 |
| Criminal Trespass | 1 |
| Possession of Tobacco/Nicotine | 28 |
| Underage Alcohol Drinking/Possession | 1 |
| Truancy | 20 |
| Theft | 3 |
| TOTAL | 124 |

# 2024 School Resource Officer Program *continued*

| PARK VIEW MIDDLE SCHOOL | |
|---|---|
| **OFFICER CONTACTS** | |
| **ACTIVITY** | **2024 TOTAL** |
| Incidents | 105 |
| Student Contacts | 261 |
| Meetings | 163 |
| Parent Call/Emails | 271 |
| Other Calls/Emails | 292 |
| Locker Searches | 18 |
| Verbal Warnings | 31 |
| Citations/Referrals | 10 |
| Class Talks | 24 |
| Traffic Control in Lot/Other | 236 |
| Reports Taken | 12 |
| TOTAL | 1423 |

| PARK VIEW MIDDLE SCHOOL | |
|---|---|
| **CITATIONS** | |
| **ACTIVITY** | **2024 TOTAL** |
| Disorderly Conduct | 2 |
| Poss Controlled Substance | 2 |
| UAD/Alcohol Possession | 1 |
| Check Well Being | 1 |
| Poss Tobacco/Nicotine | 2 |
| Truancy | 1 |
| TOTAL | 9 |



# Reserve and Explorer Programs

2024 was another busy year for the community, and for our Reserve Officers. Our Reserve Officers stepped up to the plate to provide Police presence for all special events held throughout the year, continuing to show their dedication and providing excellent service to our citizens, visitors, and third party associates. I would like to thank all of our Reserve Officers for another year of a job well done.

We added a total of three new Reserve Officers in 2024: Mara McAdams (January 2024), Kaleb Lowney (May 2024), and Justin Bachtell (October 2024.) Mara and Kaleb were new to law enforcement. Justin came with prior law enforcement experience, as well as extensive IT knowledge. Reserve Officers Bryce Stout, Gavin Czarnecki, and Tyler Jacob obtained full-time employment, and were sponsored to attend the police academy through their respective agencies. Officers Stout and Czarnecki resigned from their positions. Officer McAdams also resigned from her position. I wish them all continued success.

Explorer Post 429 lost one member, Ryan Kozlowski, who was hired as a police officer by the City of Whitewater Police Department. Our Explorer Post had meeting/training sessions throughout the year as time and scheduling permitted, where all members were able to participate in hands-on exercises, learning and gaining first-hand experience on day-to-day operations.

Our Explorers and Reserve Officers again assisted with the Mukwonago National Night Out, and their participation greatly improved the success of the event. Thank you to all who donated their time to attend and help out.

We have no doubt our Reserve Officers will continue to provide outstanding service to the Department, and to the community into 2025 and beyond.

Kaleb Lowney

Justin Bachtell

# 2024 NIBRS DATA

*National Incident Based Reporting System*

In 2015, the Department began working to upgrade crime reporting from the Uniform Crime Report (UCR) to the National Incident Based Reporting System (NIBRS). We obtained a grant to fund updating the department's ProPhoenix Records Management System and developed tools to assist officers with NIBRS compliant data entry.

UCR and NIBRS are both regulated by the FBI and both use the same general concepts. NIBRS goes into greater detail than UCR and has 46 Group A offenses while UCR only has 8 Part I offenses. UCR does not differentiate between completed and attempted crimes while NIBRS does. Also, UCR tends to only report the most serious offense reported when multiple crimes are reported in the same period of time, location, and person/group of people. The great thing about NIBRS is the data can be submitted electronically in the form of ASCII text files, needing no manual input. UCR data is written documents that have to be hand entered into a computer system for analysis. Within a few years, the FBI will require all law enforcement agencies to report NIBRS data instead of UCR data.

| Group A Reported Arrests | | |
|---|---|---|
| **Crimes Against Persons** | **Offenses** | **Total Arrests** |
| **Total Crime** | **203** | **100** |
| Murder & Non Negligent Manslaughter | 0 | 0 |
| Manslaughter by Negligence | 0 | 0 |
| Sex Offenses | **2** | **0** |
| Rape | 1 | 0 |
| Sodomy | 0 | 0 |
| Sexual Assault with Object | 0 | 0 |
| Fondling | 1 | 0 |
| Sex offenses - Nonforcible | 0 | 0 |
| Incest | 0 | 0 |
| Statutory Rape | 0 | 0 |
| Aggravated Assault | 6 | 3 |
| Simple Assault | 9 | 3 |
| Intimidation | 2 | 0 |
| Kidnapping/Abduction | 2 | 0 |
| Human Trafficking | 0 | 0 |
| Human Trafficking, Commercial Sex Acts | 0 | 0 |
| Human Trafficking, Involuntary Servitude | 0 | 0 |

| Group A Reported Arrests | | |
|---|---|---|
| **Crimes Against Property** | **Offenses** | **Total Arrests** |
| Robbery | 2 | 1 |
| Burglary | 2 | 0 |
| Theft/Larceny | **97** | **49** |
| Theft- Pocket picking | 0 | 0 |
| Theft - Purse Snatching | 0 | 0 |
| Theft - Shoplifting | 73 | 40 |
| Theft from Building | 5 | 2 |
| Theft - Coin Operated Machine | 0 | 0 |
| Theft from Motor Vehicle | 2 | 0 |
| Theft of Motor Vehicle Parts | 3 | 0 |
| Theft - All other Larceny | 14 | 7 |
| Motor Vehicle Theft | 0 | 0 |
| Stolen Property Offenses | 0 | 0 |
| Arson | 1 | 0 |
| Counterfeiting/Forgery | 4 | 0 |
| Fraud Offenses | **19** | **2** |
| Fraud - False Pretenses | 8 | 1 |
| Fraud - Credit Card/ATM | 3 | 0 |
| Fraud - Impersonation | 2 | 1 |
| Fraud - Welfare | 0 | 0 |
| Fraud - Wire | 2 | 0 |
| Fraud - Identity Theft | 4 | 0 |
| Fraud - Hacking/Computer Invasion | 0 | 0 |
| Embezzlement | 0 | 0 |
| Extortion/Blackmail | 0 | 0 |
| Bribery | 0 | 0 |
| Destruction/Vandalism | 12 | 5 |

# 2024 NIBRS DATA *continued*

*National Incident Based Reporting System*

NIBRS only reports the highest level arrest for any incident where UCR report all arrests. For example, if you look at our Drug Equipment number, we had 8 incidents but only 2 arrests. That is because in most of those incidents, we also arrested the person for Possession of a Controlled Substance so only that arrest is reported, not the Narcotic Equipment arrest.

| Crimes Against Society | Offenses | Total Arrests |
|---|---|---|
| Weapon Law Violations | 0 | 0 |
| Prostitution Offenses | 0 | 0 |
| Prostitution | 0 | 0 |
| Prostitution - Assisting | 0 | 0 |
| Prostitution - Purchasing | 0 | 0 |
| Drug Narcotic Violations | 36 | 35 |
| Drug Equipment Violations | 8 | 2 |
| Gambling Offenses | 0 | 0 |
| Gambling - Betting | 0 | 0 |
| Gambling - Operating | 0 | 0 |
| Gambling - Equipment Violations | 0 | 0 |
| Gambling - Sports Tampering | 0 | 0 |
| Pornography | 0 | 0 |
| Animal Cruelty | 1 | 0 |
| **TOTAL** | **203** | **100** |

| Group B Arrests | |
|---|---|
| **TOTAL CRIME (including juvenile)** | **Offenses** |
| Bad Checks | 0 |
| Curfew/Loitering/Vagrancy | 12 |
| Disorderly Conduct | 34 |
| Driving Under the Influence | 20 |
| Family Offenses, Nonviolent | 0 |
| Liquor Law Violation | 8 |
| Peeping Tom | 0 |
| Trespass of Real Property | 2 |
| All other Offenses | 62 |

## 2024 Activity - Citation & Arrest by Month

| MONTH | CITATIONS ISSUED | FELONY | ARRESTS Misdemeanor | ARRESTS Non-Criminal | Total Arrests |
|---|---|---|---|---|---|
| JANUARY | 121 | 8 | 5 | 16 | 29 |
| FEBRUARY | 160 | 2 | 1 | 14 | 17 |
| MARCH | 150 | 8 | 5 | 23 | 36 |
| APRIL | 111 | 9 | 5 | 18 | 32 |
| MAY | 133 | 8 | 9 | 35 | 52 |
| JUNE | 130 | 5 | 15 | 20 | 40 |
| JULY | 120 | 4 | 7 | 10 | 21 |
| AUGUST | 99 | 0 | 6 | 7 | 13 |
| SEPTEMBER | 156 | 3 | 3 | 26 | 32 |
| OCTOBER | 148 | 3 | 5 | 33 | 41 |
| NOVEMBER | 127 | 3 | 9 | 18 | 30 |
| DECEMBER | 141 | 2 | 12 | 14 | 28 |

| | |
|---|---|
| TOTAL 2024 CITATIONS ISSUED | 1596 |
| TOTAL 2024 ARRESTS | 371 |

# 2024 Citations Issued by Offense - Adult

| TRAFFIC OFFENSES | |
|---|---|
| Automobile Following Too Close | 16 |
| Cracked/Damaged Vehicle Windshield | 1 |
| Deviation from Designated Lane | 7 |
| Display of Power | 3 |
| Display Unauth Vehicle Registration | 2 |
| Driving Too Fast for Condition | 4 |
| Driving on Sidewalk | 4 |
| Failure To Dim Headlamp | 1 |
| Fail/Display Vehicle License Plates | 7 |
| Fail to Signal Turn | 2 |
| Fail/Notify Address/Name Change | 2 |
| Fail/Notify DMV of Add./Name/Color Change | 3 |
| Fail/Obey Traffic Officer - Work Area | 19 |
| Fail/Secure Loads If Towing a Trailer | 1 |
| Fail/Stop at Stop Sign | 43 |
| Fail/Yield Right of Way from Stop Sign | 11 |
| Fail/Yield/Uncontrolled T Intersection | 1 |
| Fail/Yield While Making Left Turn | 13 |
| Failure To Keep Vehicle Under Control | 23 |
| Failure To Notify Police Of Accident | 2 |
| Failure to Obey Sign or Signal | 7 |
| Failure to Stop for School Bus | 32 |
| Failure to Yield Right of Way | 5 |
| FYR to Pedestrian, Cyclist or Epamd | 1 |
| Hit and Run -Unattended Vehicle | 1 |
| Illegal Pass of School Bus | 3 |
| Improper Display of Plates (Illegible/No Plts) | 17 |
| Improper Passing of Stopped Bus | 2 |
| Improper Registration of Vehicle | 1 |
| Improper Right Turn | 2 |
| Improper Left Turn/Approach | 2 |
| Improperly Attached License Plates | 28 |
| Inattentive Driving | 41 |
| Illegal Materials on Windshield | 3 |
| License Restriction Violation -Class D/M | 8 |
| No Tail Lamp/Defective Tail Lamp - Night | 11 |
| Non Registration of Auto | 245 |
| Operate After Rev/Susp of Registration | 37 |

| TRAFFIC OFFENSES | |
|---|---|
| Operate Motor Vehicle without Insurance | 147 |
| Operate Motor Vehicle W/O Proof of Ins | 12 |
| Operating while Revoked | 6 |
| Operate Motorcycle W/O Valid License | 1 |
| Operate Vehicle w/ visible electronic device | 1 |
| Operate with Control Substance | 3 |
| Operate Vehicle W/O Registration Lamps | 4 |
| Operate Vehicle Without Stopping Lights | 42 |
| Operate Without Valid License | 46 |
| Operating After Suspension | 44 |
| Operate Left of Center | 2 |
| Operating With a PAC | 10 |
| Operating While Intoxicated | 16 |
| Operating Without Required Lamps Lighted | 23 |
| Parking Lot Traffic Violation | 26 |
| Passing Vehicle Indicating Left Turn | 1 |
| Passing in No-Passing Zone | 1 |
| Pedestrian, Bicyclist, or Epamd FYR | 1 |
| Permit Unauthorized Person to Drive | 1 |
| Possession Open Intoxicants in MV | 1 |
| Reckless Driving - Endanger Safety | 4 |
| Refusal | 1 |
| Speeding on Freeway | 54 |
| Speed Zone and Posted Limits | 330 |
| Speeding in School Zones | 1 |
| Spilling Waste Load On/Along Highway | 1 |
| Unclean/Defective Lights or Reflectors | 86 |
| Unlawful U-Turn | 1 |
| Unsafe Backing Of Vehicle | 1 |
| Unsafe Lane Deviation | 7 |
| Unsafe Passing On Right | 1 |
| Vehicle Operator Fail/Wear Seat Belt | 11 |
| Vehicle Owner's Liability For Fail Stop Acc | 2 |
| Violation of Child Safety Restraint | 1 |
| Violate Absolute Sobriety Law | 1 |
| Violate Yellow Signal | 1 |
| Violate Red Traffic Signal | 25 |
| Windshield - Tinting - Critical Area | 1 |
| **TOTAL TRAFFIC** | 1528 |

# 2024 Citations Issued by Offense -Adult *continued*

| NON - TRAFFIC CITATIONS | |
|---|---|
| Battery | 1 |
| Contributing to The Delinquency of a Minor | 2 |
| Criminal Damage to Property | 1 |
| Disorderly Conduct | 14 |
| Dog at Large | 4 |
| Fraud on Hotel, Restaurant, or Gas Station | 1 |
| Harassment | 2 |
| Littering | 1 |
| Loitering/Curfew Violations | 3 |
| Loitering/Prowling | 1 |
| Park and Playground Hours (Open 9a-9p) | 1 |
| Possession of Nicotine/Tobacco by Minor | 9 |
| Possess Drug Paraphernalia | 10 |
| Possess Controlled Substance | 23 |
| Possession Of Marijuana | 2 |

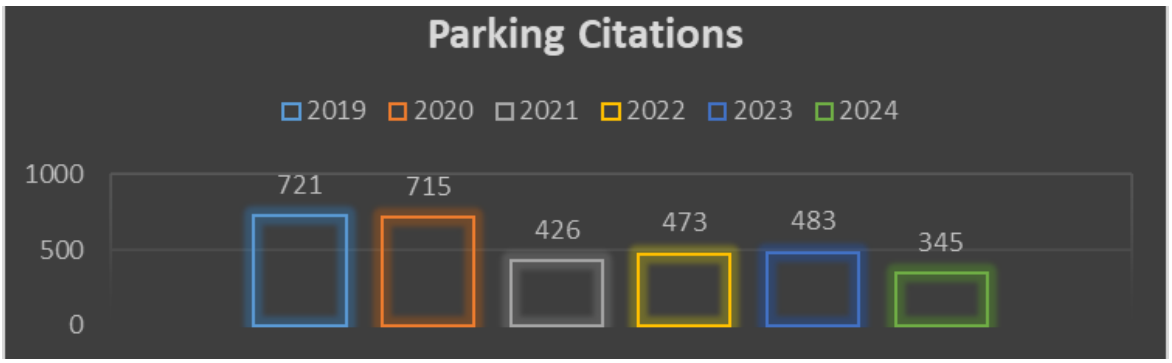
| NON - TRAFFIC CITATIONS | |
|---|---|
| Retail Theft - Intentionally Take (Less than $2500) | 34 |
| Retailer Sell/Give Tobacco/Nicotine Product to Minor | 1 |
| Solictor License Required | 1 |
| Theft Movable Property (Less than $2500) | 6 |
| Truancy | 8 |
| Underage Drinking - Possess | 6 |
| Unlicensed Dog | 0 |
| **TOTAL NON-TRAFFIC CITATIONS** | **131** |
| **TOTAL CITATIONS (2024)** | **1659** |

# 2024 Citations Issued by Offense - Juvenile

| OFFENSES | |
|---|---|
| Battery | 1 |
| Criminal Damage | 4 |
| Disorderly Conduct | 9 |
| Loitering/Curfew Violations | 9 |
| Operate Without Valid License | 1 |
| Retail Theft-Intentionally Take (<=$2500) | 3 |
| Parking Lot Traffic Violation | 2 |
| Trespass to Land | 1 |
| Possession of Controlled Substance | 10 |
| Possession of Nicotine/Tobacco by a Minor | 22 |
| Theft- Movable Property less than $2500 | 2 |
| Truancy | 14 |
| Underage Drinking - Possess | 2 |
| **TOTAL JUVENILE CITATIONS (2024)** | **80** |

# 2024 Parking Violations

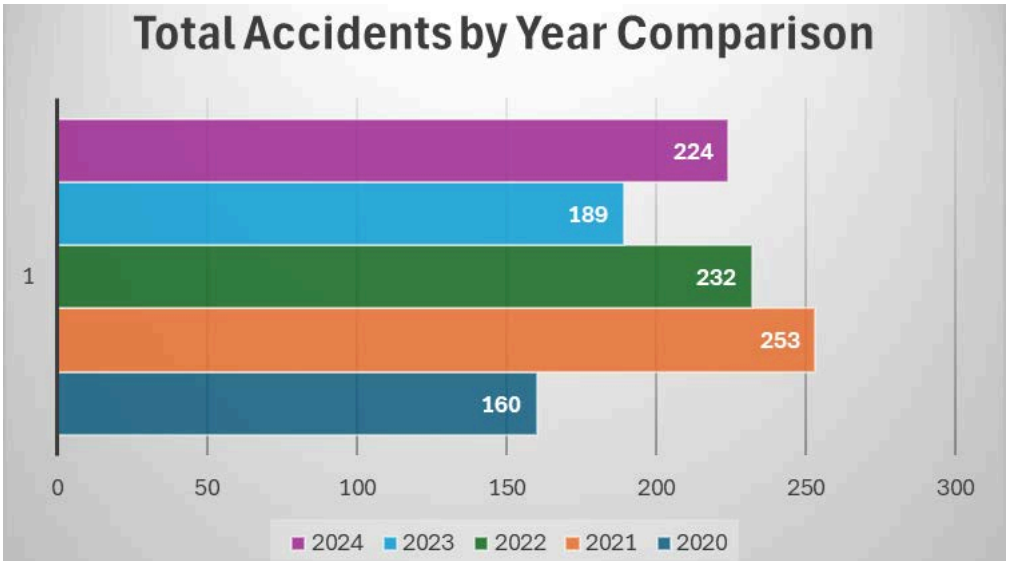
| | |
|---|---|
| Parked Blocking a Sidewalk/Driveway | 2 |
| Parking/Stopping/Standing on Certain Hwys | 26 |
| Parked No Parking Anytime | 13 |
| Parked in a Handicap Zone | 17 |
| Parked Left Wheel to Curb | 17 |
| Parked In Excess of Limits - Lots | 1 |
| Parked More Than 2 Hour Limit | 2 |
| Parked Without Permit (MHS) | 35 |
| Fire Lane Violation | 2 |
| Parked More Than 24hours/Abandoned | 16 |
| Parked To Close to Hydrant | 1 |
| Parked Unattached Trailer on Street | 9 |
| Winter Parking - Parked on Wrong Side of Street | 12 |
| Winter Parking - Parked Without a Permit | 192 |
| **TOTAL 2024 PARKING VIOLATIONS** | **345** |



# 2024 Accident Reports

| MONTH | Accidents | Vehicles Involved | Injured | Fatal |
|---|---|---|---|---|
| JANUARY | 15 | 28 | 1 | 0 |
| FEBRUARY | 15 | 26 | 2 | 0 |
| MARCH | 13 | 24 | 2 | 0 |
| APRIL | 26 | 44 | 4 | 0 |
| MAY | 23 | 48 | 7 | 0 |
| JUNE | 21 | 39 | 3 | 0 |
| JULY | 13 | 23 | 1 | 0 |
| AUGUST | 18 | 34 | 3 | 0 |
| SEPTEMBER | 30 | 60 | 10 | 0 |
| OCTOBER | 12 | 24 | 4 | 0 |
| NOVEMBER | 17 | 32 | 2 | 0 |
| DECEMBER | 21 | 39 | 5 | 0 |
| **TOTAL** | **224** | **421** | **44** | **0** |

| | |
|---|---|
| **TOTAL 2024 ACCIDENTS** | **224** |
| **TOTAL 2024 VEHICLES INVOLVED** | **421** |
| **TOTAL 2024 INJURIES** | **44** |
| **TOTAL 2024 FATAL ACCIDENTS** | **0** |



# 2024 Contacts

## Village of Mukwonago Contacts

| MONTH | FIRST SHIFT | SECOND SHIFT | THIRD SHIFT | 911 CALLS | TOTAL CONTACTS |
|---|---|---|---|---|---|
| JANUARY | 1475 | 903 | 439 | 152 | 2969 |
| FEBRUARY | 1409 | 883 | 433 | 112 | 2837 |
| MARCH | 1395 | 920 | 464 | 156 | 2935 |
| APRIL | 1413 | 888 | 455 | 161 | 2917 |
| MAY | 1624 | 1084 | 519 | 219 | 3446 |
| JUNE | 1493 | 1090 | 447 | 181 | 3211 |
| JULY | 1525 | 1112 | 435 | 202 | 3274 |
| AUGUST | 1372 | 995 | 375 | 174 | 2916 |
| SEPTEMBER | 1628 | 975 | 419 | 202 | 3224 |
| OCTOBER | 1640 | 1020 | 431 | 208 | 3299 |
| NOVEMBER | 1474 | 759 | 383 | 164 | 2780 |
| DECEMBER | 1369 | 831 | 382 | 160 | 2742 |
| **TOTAL** | **17,817** | **11,460** | **5,182** | **2,091** | **36,550** |

*Total Contacts in 2023 - 36,558*

## Town of Mukwonago Contacts

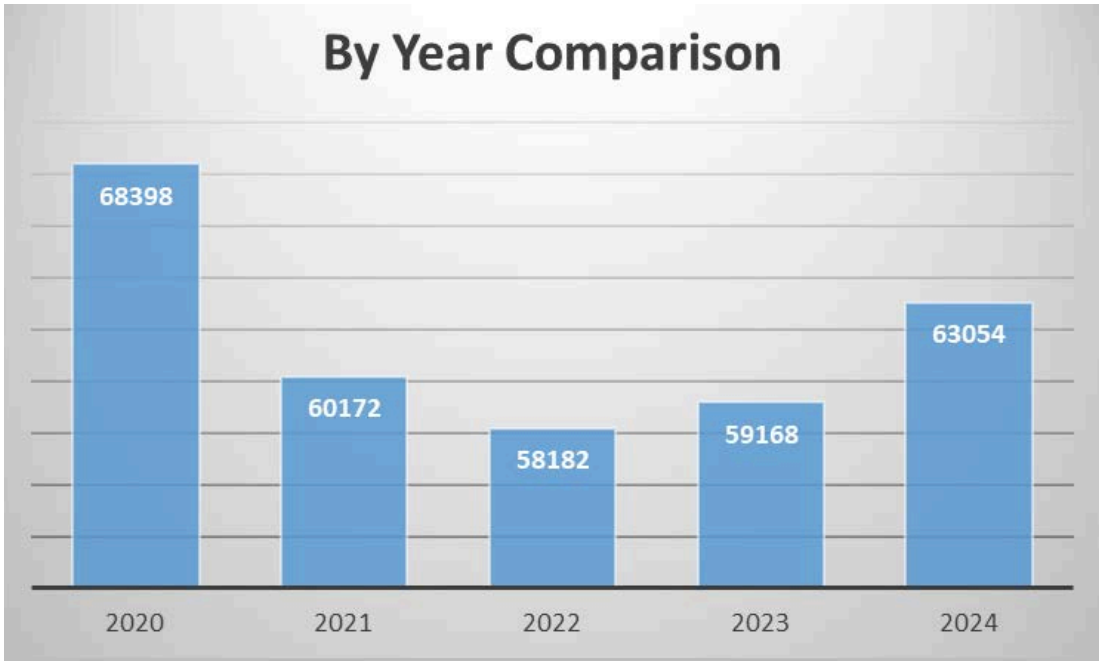
| MONTH | FIRST SHIFT | SECOND SHIFT | THIRD SHIFT | 911 CALLS | TOTAL CONTACTS |
|---|---|---|---|---|---|
| JANUARY | 765 | 903 | 786 | 75 | 2529 |
| FEBRUARY | 573 | 698 | 748 | 57 | 2076 |
| MARCH | 569 | 565 | 741 | 46 | 1921 |
| APRIL | 671 | 678 | 703 | 66 | 2118 |
| MAY | 731 | 719 | 710 | 71 | 2231 |
| JUNE | 610 | 657 | 674 | 102 | 2043 |
| JULY | 529 | 800 | 709 | 100 | 2138 |
| AUGUST | 677 | 736 | 718 | 75 | 2206 |
| SEPTEMBER | 651 | 771 | 742 | 75 | 2239 |
| OCTOBER | 723 | 737 | 716 | 85 | 2261 |
| NOVEMBER | 699 | 745 | 743 | 93 | 2280 |
| DECEMBER | 757 | 817 | 765 | 58 | 2397 |
| **TOTAL** | **7,955** | **8,826** | **8,755** | **903** | **26,439** |

*Total Contacts in 2023- 22,377*

# 2024 Contacts *continued*

## Village of Mukwonago Contacts

| DEPARTMENT | TOTAL NUMBER OF CONTACTS | PERCENTAGE OF THE TOTAL CONTACTS |
|---|---|---|
| Village of Mukwonago | 36,550 | 57.97% |
| Town of Mukwonago | 26,439 | 41.93% |
| Town of Mukwonago Boat Patrol | 65 | .10% |
| **TOTAL** | **63,054** | **100%** |



# Squad Patrol/Fleet

Marked Squad

Marked Squad

Squad 32

Squad 26

Bicycle Patrol

Squad 33

# Squad / Patrol Vehicle Descriptions

SQUAD 24 2022 Chevrolet Tahoe SUV, black and white marked squad placed in service May, 2022.
SQUAD 26 2021 Ford Expedition, grey in color, placed in service on June 10, 2021.
SQUAD 28 2020 Dodge Durango, put in to service in August,2020.
SQUAD 30 2022 Chevrolet Tahoe SUV, black and white marked squad placed in service May, 2022.
SQUAD 32 2017 Ford Interceptor, black in color, marked squad placed in service June, 2017.
SQUAD 33 2019 Chevrolet Silverado, black and white, placed in service January 25, 2019.
SQUAD 34 2023 Chevy Tahoe, placed in service December 29, 2023
SQUAD 36 2024 Chevrolet Tahoe SUV, black and white marked squad placed in service April, 2024
SQUAD 38 2022 Chevrolet Tahoe SUV, black and white marked squad placed in service May, 2022.
BIKES 2023 (2) Recon Interceptor Power Bikes, (1) Trek Bike

| SQUAD # | 24 | 26 | 28 | 30 | 32 | 33 | 34 | 36 | 38 |
|---|---|---|---|---|---|---|---|---|---|
| YEAR & MAKE | 2022 CHEVY | 2021 FORD | 2020 DODGE | 2022 CHEVY | 2017 FORD | 2019 CHEVY TRUCK | 2023 CHEVY | 2024 CHEVY | 2022 CHEVY |
| TOTAL MILES (Annual) | 21302 | 2227 | 5296 | 18003 | 893 | 1009 | 24046 | 4993 | 22251 |
| AVERAGE DAILY MILES | 58 | 6 | 15 | 49 | 2 | 3 | 66 | 14 | 61 |

| 2024 TOTAL MILEAGE | 100,020 |
|---|---|
| 2024 AVERAGE DAILY MILES | 274 |
| 2024 TOTAL GASOLINE | 10,294 |

# Training and Career Development

Over the course of 2024, Mukwonago Dispatch Center logged 182 hours of training for dispatcher/clerks. This is an average of almost 30 hours of training per dispatcher.

Mukwonago Dispatch is here 24 hours a day, 7 days a week and are the **first** point of contact whether you show up at the police department lobby, call in to the department via one of the three 911 lines, or on one of the eight non-emergency lines.

Each fiscal year the State of Wisconsin requires law enforcement officers to receive a minimum of 24 hours of training. In 2024, our 15 fulltime police officers logged 2017 hours of training. They received training in use of force, pursuit and emergency vehicle operations, responding to an active shooter, de-escalation and officer override training, to name a few topics. Some of these trainings are held at local departments, technical colleges or are in house trainings presented by the departments five State certified instructors.

# Department Members

## 36 - 40 Years

Officer Joseph Petted (1987)

## 30 - 35 Years

Chief Daniel Streit (1992)

## 25 - 29 Years

Assistant Chief Christopher DeMotto (1995)
Officer Jason Steinbrenner (1996)
Dispatcher/Clerk Brenda DiMaggio (1997)

## 20 - 24 Years

Dispatch Supervisor/Clerk Deborah Zaeske (2000)

## 15 - 19 Years

Lieutenant Robert Kreiser (2009)
Officer Chet Wilson (2009)

## 10 - 14 Years

Officer Cory Kirkpatrick (2011)
Crossing Guard/Reserve Officer Gary Walters (2012)

## 5 - 9 Years

Reserve Officer Jon Schroeder (2015)
Dispatcher/Clerk Italia Hench (2016)
Lieutenant Michael Kubiak (2018)
Officer Brian Cieszynski (2018)
Officer Shaun Pinkowski (2018)
Officer Taylor Zajichek (2018)
Officer Richard Rogers (2019)

## 0 - 4 Years

Dispatcher/Clerk Nicole Robertson (2020)
Reserve Officer Kade Cribb-Wimer (2021)
Reserve Anthony Gonzalez (2021)
Dispatcher/Clerk Aliyah Simmons (2022)
Officer Dan McKinney (2022)
Officer Peter Pitcher (2022)
Reserve Officer Delaney Kubiak (2022)
Dispatcher/Clerk Doris Dietzler (2023)
Reserve Officer Gavin Czarnecki (2023)
Reserve Officer Tyler Jacob (2023)
Reserve Office Bryce Stout (2023)
Officer Tyler Dykstra (2024)
Dispatcher/Clerk Victoria Weber (2024)
Reserve Officer Kaleb Lowney (2024)
Reserve Officer Justin Bachell (2024)

# *VILLAGE OF MUKWONAGO*
# *POLICE DEPARTMENT*

## *MONTHLY REPORT*

## *April 2025*

# Citation Totals by Offense

Mukwonago Police Department

Violation Date: 04/01/2025 through 04/30/2025

| Court | Agency | Offense Code | Offense Description | Total |
|---|---|---|---|---|
| **MKPD** | | | | |
| **Adult** | | | | |
| | | 940.19(1) | Battery | 1 |
| | | TR305.34(3) | Cracked/Damaged Vehicle Windshield | 1 |
| | | 346.13(3) | Deviation From Designated Lane | 2 |
| | | 947.01(1) | Disorderly Conduct | 1 |
| | | 14-27(4) | Dog At Large | 1 |
| | | 346.15 | Driving Wrong Way On Divided Highway | 1 |
| | | 341.15(1) | Fail/Display Vehicle License Plates | 5 |
| | | 341.335(1) | Fail/Notify Dmv Of Add./Name/Color Change | 2 |
| | | 346.04(2) | Fail/Obey Traffic Officer-Work Area | 1 |
| | | 346.46(1) | Fail/Stop At Stop Sign | 5 |
| | | 346.18(6) | Fail/Yield For Yield Sign | 1 |
| | | 346.18(2) | Fail/Yield While Making Left Turn | 2 |
| | | 346.57(2) | Failure To Keep Vehicle Under Control | 3 |
| | | 346.48(1) | Failure To Stop For School Bus | 2 |
| | | 346.24(1) | Fyr To Pedestrian, Bicyclist, Or Epamd | 1 |
| | | 346.485(1) | Illegal Pass Of School Bus Reported | 2 |
| | | 341.15(3)(c) | Improper Display/Plates (Illegible) | 2 |
| | | 341.15(3)(a) | Improper Display/Plates (No Plates) | 1 |
| | | 346.48(3) | Improper Passing/Stopped School Bus | 1 |
| | | 341.15(2) | Improperly Attached License Plates | 7 |
| | | 346.89(1) | Inattentive Driving | 3 |
| | | 343.43(1)(d) | Lic Restriction Violation-Class D/M Vehicle | 1 |
| | | 54-26 | Loitering/Prowling | 3 |
| | | 341.04(1) | Non-Registration Of Auto, Etc | 26 |
| | | 341.03(1) | Operate After Rev/Susp Of Registration | 11 |
| | | 344.62(1) | Operate Motor Vehicle W/O Insurance | 23 |
| | | 343.05(3)(b) | Operate Motorcycle W/O Valid License | 1 |
| | | 347.14(1) | Operate Vehicle W/O Stopping Lights | 1 |
| | | 343.05(3)(a) | Operate W/O Valid License | 9 |
| | | 343.44(1)(a) | Operating After Suspension | 10 |
| | | 346.63(1)(a) | Operating While Intox. | 1 |
| | | 347.06(1) | Operation W/O Required Lamps Lighted | 3 |
| | | 82-71 | Parking Lot Traffic Violation | 4 |
| | | 346.23(1) | Pedestrian, Bicyclist, Or Epamd Fyr | 1 |
| | | 961.573(1) | Possess Drug Paraphernalia | 3 |
| | | 961.41(3g)(b) | Possession of Controlled Substance | 3 |
| | | 943.50(1m)(b) | Retail Theft-Intentionally Take(<=$2500) | 1 |
| | | 346.57(4)(gm)2 | Speeding on Freeway | 12 |
| | | 346.57(5) | Speeding Zone And Posted Limits | 35 |
| | | 347.06(3) | Unclean/Defective Lights Or Reflectors | 23 |
| | | 346.13(1) | Unsafe Lane Deviation | 1 |
| | | 347.48(2m)(b) | Vehicle Operator Fail/Wear Seat Belt | 1 |
| | | | **Adult Grand Total** | **218** |

## Citation Totals by Offense

Mukwonago Police Department

Violation Date: 04/01/2025 through 04/30/2025

| Court | Agency | Offense Code | Offense Description | Total |
|---|---|---|---|---|
| **MKPD** | | | | |
| **Juvenile** | | | | |
| | | 54-103 | Possession of Nicotine/Tobacco by a Minor | 1 |
| | | | **Juvenile Grand Total** | **1** |

# Mukwonago Police Department

## Ticket Totals (by Violation)

Department: Mukwonago Police Department

Issue Date: 04/01/2025 through 04/30/2025

| Violation Description | Violation Code | Area | Total |
|---|---|---|---|
| Mhs - Park W/O Permit | 82-212 | | |
| | | | 1 |
| | | **By Violation:** | **1** |
| Park No Parking Anytime | 82-192 | | |
| | | | 1 |
| | | **By Violation:** | **1** |
| | | **Total Tickets:** | **2** |

## Monthly Case Overview Report

Printed On: 05/06/25 14:15

**Reporting Period: 04/01/2025 - 04/30/2025**

**Village of Mukwonago Police - 1122**

| | Total |
|---|---|
| **Total** | **57** |
| Administrative/Informational | **14** |
| Ambulance Request | **1** |
| Assist Other Dept/Service/Request by Citizen | **3** |
| Criminal Damage-Private | **2** |
| Disorderly Conduct | **2** |
| Drug/Narcotic Law Investigatio | **1** |
| Emergency Detention/M.O. | **1** |
| Forgery of Checks | **1** |
| Fraud Complaint | **1** |
| Fraud-Imperson | **1** |
| Fraud-Swindle | **2** |
| Harassing Communication | **1** |
| Health-Safety | **1** |
| Illegal Dumping | **1** |
| Marijuana-Possession | **3** |
| Miscellaneous Information | **1** |
| Mutual Aid | **1** |
| OWI/DWI-Liquor | **2** |
| Public Order Crimes | **3** |
| Retail Theft <$50 | **1** |
| Retail Theft >$200 | **2** |
| Sex Asslt | **1** |
| Simple Assault | **1** |
| Station Contact | **1** |
| Traffic Offense/Traffic Other | **6** |
| Traffic Other | **1** |
| Viol of Court Order Incl DV | **1** |
| Warrant Service | **1** |

## Arrests by Statute Report

Printed On: 05/06/25 14:16

**Reporting Period: 04/02/25 - 04/30/25**

| This report contains all arrest charges. | Total | Felony | Misdemeanor | Non-Criminal | Ordinance | Unclassified |
|---|---|---|---|---|---|---|
| 14-27(4) - Dog Running at Large | **1** | | | | 1 | |
| 346.63(1)(a) - Operating While Intoxicated - 1st Offense | **1** | | | 1 | | |
| 346.63(1)(a) - Operating While Intoxicated - 2nd Offense | **1** | | 1 | | | |
| 54-1(1) - Retail Theft (Shoplifting) | **1** | | | | 1 | |
| 54-1(P) - Battery | **1** | | | | 1 | |
| 54-1(V) - Possession of a Controlled Substance 961.41(3g)(e) | **4** | | | | 4 | |
| 54-1(V1) - Possession of Drug Paraphernalia | **3** | | | | 3 | |
| 54-103 - Possession of Nicotine or Tobacco Product by a Minor | **1** | | | | 1 | |
| 54-26 - Loitering or Prowling | **3** | | | | 3 | |
| 943.01(1) - Criminal Damage to Property (Misdemeanor) | **1** | | 1 | | | |
| 943.01(2) - Criminal Damage to Property | **1** | 1 | | | | |
| 943.203(2)(a) - Identity Theft - Obtain Money or Credit | **1** | 1 | | | | |
| 943.41(3)(a) - Credit Card-Theft by Acquisition | **1** | | 1 | | | |
| 943.50(1m)(b) - Retail Theft - Intentionally Take - (<=$500)(UCR $50-$199) | **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) | **1** | 1 | | | | |
| 946.49(1)(a) - Bail Jumping-Misdemeanor | **1** | | 1 | | | |
| 946.49(1)(b) - Bail Jumping-Felony | **2** | 2 | | | | |
| 947.01 - Disorderly Conduct | **4** | | 3 | | 1 | |
| 948.31(1)(b) - Interfere w/ Custody-Beyond Visitation | **1** | 1 | | | | |
| 961.573(1) - Possess Drug Paraphernalia | **1** | | 1 | | | |
| 968.075 - Domestic Abuse Incident | **1** | | | | | 1 |
| FUGM - Fugitive Warrant Other Municipal | **1** | | | 1 | | |
| FUGP - Probation/Parole Hold | **1** | | | 1 | | |
| **Total** | **35** | **6** | **10** | **3** | **15** | **1** |

## Traffic Crash List

Printed On: 05/06/25 14:19

**Village of Mukwonago Police**

| Date Time | Case# | Crash# | Officer | Total Units | Total Injured | Total Killed | Crash Type | EMS# |
|---|---|---|---|---|---|---|---|---|
| 04/25/2025 07:06 | | 25-000063 | Pitcher, Peter-ppit38 | 2 | 0 | 0 | C | |
| 04/25/2025 06:38 | | 25-000062 | Pitcher, Peter-ppit38 | 2 | 0 | 0 | C | |
| 04/22/2025 15:55 | | 25-000060 | Zajichek, Taylor-tzaj36 | 2 | 0 | 0 | C | |
| 04/20/2025 18:46 | | 25-000059 | Pitcher, Peter-ppit38 | 1 | 0 | 0 | C | |
| 04/19/2025 01:08 | | 25-000058 | McKinney, Daniel-dmck44 | 1 | 0 | 0 | C | |
| 04/16/2025 16:50 | | 25-000057 | Rogers, Richard-rrog49 | 1 | 1 | 0 | C | |
| 04/17/2025 17:22 | | 25-000056 | Rogers, Richard-rrog49 | 1 | 0 | 0 | C | |
| 04/12/2025 12:40 | | 25-000055 | Wilson, Chet-cwil47 | 2 | 0 | 0 | C | |
| 04/12/2025 00:00 | | 25-000054 | Pitcher, Peter-ppit38 | 1 | 0 | 0 | C | |
| 04/14/2025 22:00 | | 25-000053 | Cieszynski, Brian-bcie45 | 1 | 0 | 0 | D | |
| 04/13/2025 18:30 | | 25-000052 | Cieszynski, Brian-bcie45 | 2 | 3 | 0 | C | |
| 04/12/2025 15:02 | | 25-000051 | Pinkowski, Shaun-spin42 | 2 | 0 | 0 | C | |
| 04/13/2025 21:05 | | 25-000050 | Cieszynski, Brian-bcie45 | 2 | 2 | 0 | C | |
| 04/12/2025 12:40 | | 25-000049 | Wilson, Chet-cwil47 | 2 | 0 | 0 | C | |
| 04/08/2025 10:30 | | 25-000048 | Rogers, Richard-rrog49 | 2 | 0 | 0 | C | |
| 04/08/2025 14:35 | | 25-000047 | Wilson, Chet-cwil47 | 2 | 0 | 0 | C | |
| 04/02/2025 16:00 | | 25-000046 | Zajichek, Taylor-tzaj36 | 2 | 0 | 0 | C | |
| 04/05/2025 13:15 | | 25-000045 | Steinbrenner, Jason J-jste35 | 2 | 0 | 0 | C | |
| 04/02/2025 16:16 | | 25-000044 | Cieszynski, Brian-bcie45 | 2 | 1 | 0 | C | |
| | | | **Village of Mukwonago Police** | **32** | **7** | **0** | | |

19

**Police Contacts - Village**

| | |
|---|---|
| First Shift | 1667 |
| Second Shift | 1116 |
| Third Shift | 543 |
| 911 Calls | 196 |
| **TOTAL CALLS** | **3522** |

**Police Contacts - Town**

| | |
|---|---|
| First Shift | 826 |
| Second Shift | 880 |
| Third Shift | 806 |
| 911 Calls | 68 |
| **TOTAL CALLS** | **2580** |

**Phantom Lake/Ice Patrol**
**All Calls/Contacts**

**TOTAL CONTACTS 6102**

## FLEET MILES AND GAS USAGE

| | 24<br>22 Chev | 26<br>21 Ford | 28<br>20 Dodge | 30<br>22 Chev | 32<br>17 Ford | 33<br>19 Chev | 34<br>23 Chev | 36<br>24 Chev | 38<br>22 Chev |
|---|---|---|---|---|---|---|---|---|---|
| Speed End | 91983 | 14616 | 23395 | 82247 | | | 40320 | 14190 | 86525 |
| Speed Beg | 91107 | 14153 | 22987 | 82135 | | | 37156 | 11421 | 84517 |
| Total Miles | 876 | 463 | 408 | 112 | | | 3164 | 2769 | 2008 |
| Total Gas | 109.2 | 15 | 43 | 23.7 | | | 285 | 250 | 201.7 |

Respectfully Submitted,

Chief Daniel J. Streit
Village of Mukwongo Police Department

VILLAGE OF Mukwonago

19 PLACE OF THE BEAR 05

# STRATEGIC PLAN

## SUMMARY REPORT

CONSULTING

February 12, 2025

Dear President Winchowky and Village Administrator Dykstra,

I am pleased to present the 2024-2027 Strategic Plan and Summary Report to the Village of Mukwonago. This plan embodies the organization's goals, commitment to measurable outcomes, and dedication to delivering high-quality services to the community. While maintaining the focus on core public services, the Strategic Plan places special emphasis on key organizational objectives and provides a framework for proactive decision-making.

Arriving at the updated Vision, Mission, and organizational goals required months of diligent work, including gathering data from the community, interviewing stakeholders, and distilling the information collected. It has been an honor to support the Village of Mukwonago in this significant endeavor. I would like to extend my sincere gratitude to the Board and staff members who contributed their time and effort to this process.

Yours truly,

Cory Poris Plasch

President/CEO

CP2 Consulting

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# Executive Summary

Beginning in May of 2024, the Village of Mukwonago engaged in a strategic planning process. The process generated strategic goals covering 2024-2027.

The plan consists of four strategic goals, identified as the issues of greatest importance to the Village over the next four years. Each goal has an associated outcome, key outcome indicator, and performance target. These were determined through a facilitated process including board and staff and incorporating stakeholder feedback from focus groups and an internal stakeholder survey.

As part of the strategic planning process, the Vision, Mission and Values were evaluated. The Village of Mukwonago chose to update their Vision, Mission and Values.

A cross functional team of staff helped to further develop the Strategic Plan by identifying initiatives to achieve the Strategic Goals. This team will continue to work to develop and implement project plans for each initiative and create a communication plan to ensure that staff understand the overall goals, as well as being able to meaningfully incorporate action steps to achieve those goals into their overall responsibilities.

# Vision, Mission, Values

## VISION

Mukwonago is a thriving, family oriented, and friendly community where all feel connected and enjoy an exceptional quality of life.

## MISSION

We will deliver high quality services and purposefully guide growth to balance our hometown feel with quality amenities.

## VALUES

### Continuous Learning

We continually grow and improve.

### Welcoming

We believe in caring for everyone like family

### Collaborative

We work together for the good of the community and each other.

### Creativity

We are open-minded in the way we approach challenges.

### Safety

We care about the wellbeing of our community including our employees.

### Integrity

We are responsible and accountable for our actions.

# The Strategic Planning Process

## The Strategic Planning Process seeks to answer five questions:

1. Where are we right now? (Plan Development)
2. Where do we want to be? (Plan Development)
3. How do we get there from here? (Plan Implementation)
4. How will we know when we get there? (Plan Implementation)
5. Are there changes in the future external environment that we need to consider?

## DEVELOPMENT

### Where are we now?

Scan the Environment

Conduct Internal and External Analysis (SWOT)

Develop a Strategic Profile

Identify Strategic Challenges

### Where are we going?

Define Our Mission

Articulate Core Values

Set a Vision

Identify Key Intended Outcomes

## IMPLEMENTATION

### How will we get there?

Develop Initiatives

Define Performance Measures

Set Targets and Thresholds

Spread Throughout Organization

### How will we know?

Create Detailed Action Plans

Establish Accountability: Who, What, When

Identify Success Indicators

# Assessing the Current Environment

The Strategic Planning Process began with a meeting with the consultant and Mukwonago staff. The meeting included a review of strategic planning principles, a discussion of organizational value proposition, the status of vision and mission statements, and a tutorial on preparing an Environmental Scan. The session concluded with a timeline for the planning process, assignments for preparation of the Environmental Scan, and a process for conducting the stakeholder outreach.

# Stakeholder Engagement

To answer the question "**Where are we now?**," the Strategic Planning Process began with gaining an understanding of the operating environment. This is the first activity in developing a Strategic Plan as internal and external forces, dynamics, and constraints must be considered to arrive at the most effective strategy.

## Assessing the environment included:

- A community survey
- An internal stakeholder survey of employees and commission members
- Focus groups

As environmental factors change over time, they need to be evaluated and incorporated into the strategic thinking and planning process using current data. As a result, the focus groups were limited in scope and consisted of businesses, nonprofits, residents, students, and employees of the Village. Each Focus Group discussed what participants saw as strengths of Mukwonago along with opportunities for change.

The results of these efforts were presented to the Village of Mukwonago Board at the first Strategic Planning Session on July 9, 2024. They are summarized below along with links to the complete results.

# External Stakeholder (Community) Survey Results

An External Stakeholder (Community) Survey was conducted June 17th through July 22nd, 2024. 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 excluded populations, special interest groups, educational facilities including K-12 schools and higher ed, and other taxing jurisdictions.

## Key Takeaways

- The survey had 238 responses, with 81% indicating they are a resident of Mukwonago and 16% indicating they are a business owner in Mukwonago. 66% are homeowners in Mukwonago and 9% indicated they own property other than their home in Mukwonago.
- When asked what they liked best about living in Mukwonago, the top three answers were a safe and peaceful community (66%), the school system (41%), and location (38%).
- When asked to rate the importance of different areas impacting their quality of life in Mukwonago, the top three answers, with responses of Essential or Somewhat Important, were community safety (99%), a well-maintained community (97%), and the school system (85%).
- More than 65% of respondents said that they were very satisfied or somewhat satisfied with the following services/features in Mukwonago: Quality of life (87%), Police and public safety (86%), Fire and emergency medical response (72%), Neighborhood appearance (75%), Community library (68%), School system (66%), and Community events and activities (65%).
- When asked the most important things for a strong and healthy community the top three responses were a sense of safety and security (63%), high-quality schools (55%), and high-quality Village services (32%).
- The following were rated as Essential or somewhat Important to the future of Mukwonago: A safe community (99%), A good place to raise a family (97%), and A well-maintained community (95%).
- Respondents indicated they strongly agree or somewhat agree with the follow statements: A high-quality school system is an important factor in the success of the community (89%), Providing a safe and healthy environment is the highest priority of the Village's government (78%), the Village should invest in projects and programs that enhance the quality of life for all community members (78%), and Mukwonago is a good place to live for those of all ages (78%).

# Internal Stakeholder Survey Results

A survey of internal stakeholders was conducted from June 28th to July 12th, 2024, as part of the strategic planning process. Internal stakeholders are individuals or groups who are within the organization by virtue of being elected to or employed/appointed by the organization. They are essential to the successful implementation of the strategic plan, so their input is ideally incorporated into the process. Additionally, they often have key information based upon their interaction with the community and can identify emerging community themes.

## Key Takeaways

- Respondents were staff (81%), Commission members (11%), Board members (2%) and others (6%).
- A majority of respondents rate the overall quality of services in Mukwonago as Excellent or Good (68%).
- When asked what village services need improvement, public works, maintenance & improvement of public spaces & village facilities, employee retention & pay, staffing levels, and police/fire department staffing came up often in open text responses.
- When asked what Mukwonago does well, parks, police & fire, road upkeep & plowing, and community events were most often mentioned.
- Over 85% of respondents rate the overall quality of life as either Excellent or Good.
- When asked what improvement could have the greatest positive impact on quality of life in Mukwonago, there were many comments about improving downtown & parking, addressing high traffic areas, creating more recreation opportunities and affordable housing.
- Respondents identified the following as the highest priorities for the Village of Mukwonago over the next 3 years: retention of Village staff (77%), public safety (68%), financial sustainability (68%).
- 81% of respondents somewhat or strongly agreed with the statement "I would recommend Mukwonago as a place to live". 53% of respondents somewhat or strongly agreed with the statement "Mukwonago does a good job of communicating with residents". 70% of respondents somewhat or strongly agreed with the statement "Mukwonago operates with openness and transparency". 43% somewhat or strongly agreed with the statement "Mukwonago is open to new ideas and ways of doing things".
- Among employees who responded, 74% strongly or somewhat agree that they would apply for the position again, 62% strongly or somewhat agree that they are likely to stay with Mukwonago for another year, and 67% strongly or somewhat agree that they would recommend working at Mukwonago to friends.

# Focus Group Results

As part of the Village of Mukwonago's strategic planning process, focus groups were conducted on July 17th, 18th and 23rd, 2024. Focus Groups included one employee group, residents, businesses and nonprofits.

A Focus Group is a small-group discussion, guided by a trained facilitator, used to gather in-depth information about a community's thoughts and opinions about a designated topic. The interaction enables participants to ask questions of each other, as well as to re-evaluate and reconsider their own understandings of their specific experiences. The facilitator's role is to gather information in an impartial and confidential manner, manage the pace of the discussion, and ensure that everyone has a chance to participate. The process included a set of questions and follow-up discussion within the small group.

## Key Takeaways

- **"A small-town feeling, rich with history"** Focus groups all pointed to the small-town atmosphere and sense of community, and one group noted the rich history of the area, with plentiful traditions and events. Desirable amenities include great schools, the library, hospital, emergency services, a great park system, and easy access to big city amenities.
- The focus groups identified top opportunities for Mukwonago, including easing traffic flow, improving downtown, attracting new business, employee retention, and improving community communication.
- It was agreed that smart, well-planned growth is necessary for the Village. Employees of the Village noted that growth means a need for more staff and another focus group would like to see a plan to support the housing needs of those who work in new businesses.
- Downtown is seen as an anchor of the community with the ability to draw people into the Village. There are opportunities to expand and retain retail and restaurants downtown, make the area more attractive, and improve traffic flow. Parking challenges need to be addressed, especially during events. A central parking lot was suggested by multiple groups. Traffic issues are also a concern, as is improved walkability of the Village.
- Affordable housing is a concern for many, especially for the growing senior population.

# Focus Group Results

## Key Takeaways (cont.)

- All groups noted that communication to the community is primarily via Facebook, which leaves seniors, and many others, left out. There is a desire for better communication that reaches all.
- Employees talked about the good work environment and staff, but also felt they are the last to be taken care of in the budget. Retention has been an issue, and they expressed that merit raises are infrequent.
- More recreation opportunities for youth and seniors are needed.
- Maintenance of parks, village facilities and utilities are a concern. Strides towards improving the sewer system have been made, but businesses continue to struggle when water mains break.
- Suggested areas of focus for the next five years include maintenance and improvement of infrastructure (especially water mains), traffic flow and expanded parking, affordable housing options, improved communication to the community, increased recreational services, improvement of downtown, and attracting new businesses.

# Understanding the Environment

An integral part of the Strategic Planning Process is a SWOT Analysis, which stands for strengths, weaknesses, opportunities, and threats. It provides a situational overview of the environment in which strategic planning takes place and allows a systematic examination of factors impacting the community. **Strengths and Weaknesses** examine the internal operating environment, while **Opportunities and Threats** evaluate the external operating environment.

To provide ample opportunity for reflection, a SWOT survey was distributed to the Board Members and staff prior to the Strategic Planning session. During the Strategic Planning Retreat, the SWOT data was reviewed to determine key themes and strategic issues.

# SWOT Analysis

| STRENGTHS | WEAKNESSES | OPPORTUNITIES | THREATS |
|---|---|---|---|
| • Experienced staff & good leadership<br>• Teamwork within and between departments<br>• Economic growth & financial position<br>• Five year plan & department maintenance programs<br>• Public safety and public works departments<br>• Community parks & events<br>• Quality of life<br>• Location and historical feeling | • Trust<br>• Staffing levels and retention/turnover, low wages<br>• Older facilities & infrastructure<br>• Tight finances & debt<br>• Updating technology<br>• Leadership divisiveness<br>• Diversity of housing<br>• Code & zoning updates | • Collaboration with other area governments<br>• Business retention & growth<br>• Economic development<br>• Technology updates<br>• Community communication<br>• Staff training | • New regulatory mandates without funding<br>• Trust of community & misinformation<br>• Debt & lawsuits<br>• Housing diversity<br>• Employee retention<br>• Aging facilities & infrastructure |

The Strengths and Opportunities groups combined to discuss how internal strengths coupled with external opportunities could be enablers of success.
The Weaknesses and Threats groups combined to discuss how internal weaknesses coupled with external threats could be challenges to success

Finally, the groups combined, and all participants reviewed the key themes. A list of strategic issues was determined, and included economic development, partnerships, staffing, infrastructure, water, diverse revenue streams needed, public safety, technology, commercial development and housing.

Finally, the most important organizational priorities were finalized taking into account information gathered throughout the process, including the Environmental Scan.

Through this analysis, four Strategic Goals were identified: Responsible Finances, Energized Workforce, Balanced Development, and Quality of Life.

Participants then were divided into cross-functional groups. They determined desired Outcomes (what success looks like), Key Outcome Indicators (how to measure progress towards success), and Performance Targets (a measurable goal achieved by a defined date) for each Strategic Goal.

# Targets by Strategic Goal

| STRATEGIC GOAL | OUTCOME | KEY OUTCOME INDICATOR | TARGET |
|---|---|---|---|
| Responsible Finances | Stabilized Capital Funding | % of change to prior year debt service; # of grant applications | By 12/26 ensure repayment of debt issued stays below 2% level of prior year levy<br>Increase grant applications by 25% by 12/27 |
| | Diversified funding for operating costs | $ future savings from restructuring operating costs; # of core processes reviewed for efficiencies; # funding alternatives identified; $ future savings from levy | 1 operating cost restructured to a lower amount by ___ (date)** |
| | Expand new construction to increase tax base | $ net new construction; # of permits; $ value of permits | Revenues increased by __%**<br>Increase of permits by ___%**<br>***Metrics determined by 6/2025* |
| Energized Workforce | Staff capacity to meet service demands | Time to fill; # of applicants; % staffing ratios met | Time to fill determined by each department by 6/2025<br>Time to fill reduced by __% by __ (date)**<br>Staffing ratios determined by department by 6/2025<br>Staffing ratios met by __% of departments by __(date)**<br>***Metrics determined by 6/25* |
| | Retention of high-quality employees | Employee turnover; performance reviews completed | Decrease employee turnover by __% by (date)**<br>100% of standard Performance Reviews conducted annually<br>***Metrics determined by 6/2025* |
| | Enhanced Culture | # Stay interviews; positive rating on employee surveys | Stay interviews conducted for 25% of full-time employees annually;<br>Positive ratings on employee surveys increase __% by __(date)**<br>***Metrics determined by 6/2026* |
| Balanced Development | Balanced mix of housing types that prevents displacement and promotes economic diversity | # of R-1, R-2, and/or R-3 owner occupied housing units planned; # development agreements | ≥90 housing units planned by 12/2027<br>≥1 development agreement by 12/2027 |
| | Revitalized downtown | # vacancies; # net new occupancies; # downtown activities | Downtown vacancies at ≤__% of less by ___ (date)**<br>Net new occupancy at __% by __(date)**<br>Increase BRE visits by ____% by _____ (date)**<br>***Metrics determined by 12/2025* |
| | Increased development on 83/43 Highway Corridors within Village limits | # development agreements | 3 development agreements by 12/2027 |
| Quality of Life | Improved communications | #BRE visits; # Weekly Wrap subscribers; # newsletter clicks; | BRE Visits increased ≥50% by 12/2025<br>Weekly Wrap subscribers increased ≥10% annually<br>Website clicks increased ≥10% annually |
| | Strengthened water/ sewer systems | % of potential development sites capacity needs determined; Utilities Master Plan development milestone met; % of data needed for water quality and safety report collected | Water/Sewer future capacity needs determined by 12/2026<br>Utilities Master Plan developed by 12/2026<br>Water quality and safety report distributed annually beginning 1/2026 |
| | Improved Roads and Traffic | % of downtown Hwy 83 planning/ engineering plans complete; | 90% of plans for Hwy 83/Downtown Traffic infrastructure complete<br>Two infrastructure grants applied for by 12/2026<br>Memorandum of Understanding with WDOT by 12/2026 |
| | Improved Recreational Opportunities | # of CORP projects complete; Parks position created; % of trail connections complete | Complete 1 Comprehensive Outdoor Recreation Plan (CORP) project annually<br>Dedicated parks position created by 12/2027<br>Multi-use trail ___% of connections complete by 12/2027**<br>***Metric determined by 12/2025* |

# Strategic Plan Implementation

Implementation is the final step in the Strategic Planning Process and consists of staff developing Initiatives to support the Strategic Goals determined during the Strategic Planning Process. The following Initiatives will be reported on regularly, showing the measurable progress the Village of Mukwonago is making towards their Strategic Goals and associated Performance Targets.

## Responsible Finances Initiatives

- Create structure for debt repayment to avoid levy swings
- Create grant identification strategy for capital items
- Create a strategy to offset rising employee health insurance costs
- Establish a core process review strategy
- Develop a plan to increase alternative funding sources
- Create a Municipal Funding Community Education program
- Develop a new construction development strategy
- Develop TID closures strategy

## Energized Workforce Initiatives

- Develop hiring plan (SOP) for organization
- Develop stay interview program.
- Develop employee engagement program
- Have a dedicated HR staff member focused on staffing initiatives
- Update pay and benefit policy
- Staffing needs assessment to evaluate staffing shortfalls

## Balanced Development Initiatives

- Finalize New Zoning Code
- Update downtown overlay district to be more business friendly
- Update Business Marketing Plan
- Develop a Vibrant Downtown Corridor Plan
- Update and expand Business Retention Program in the downtown area

## Quality of Life Initiatives

- Update and expand BRE Visit Program
- Update and expand Community outbound Communications Plan
- Water/Sewer capacity study
- Utility Rate Study
- Traffic Analysis to provide safe and efficient corridors
- CORP project schedule created
- Master Plan for Multi-use trail connection

# Strategic Plan Participants

The strategic plan was developed with the hard work and dedication of many individuals. The Village of Mukwonago Board and Staff led the way, taking time out of their schedules to commit to long-term thinking. They defined a direction and a set of outcomes that are important to the community stakeholders with whom they partner and serve.

## Village Board of Trustees

**President**
Fred Winchowky

**Village Trustee**
Eric Brill

**Village Trustee**
Darlene Johnson

**Village Trustee**
Ken Johnson

**Village Trustee**
John Meiners

**Village Trustee**
Dale Porter

**Village Trustee**
Scott Reeves

## Village Staff

**Village Administrator**
Diane Dykstra

**Public Works Director**
Ron Bittner

**Crew Supervisor**
Mike Wilharms

**Finance Director**
Diana Doherty

**Utilities Director**
Wayne Castle

**Sewer Lead**
Dave Brown

**Water Lead**
Jayme Sukowaty

**Police Chief**
Dan Streit

**Assistant Police Chief**
Chris DeMotto

**Building Inspectors**
Tim Rutenbeck
Corey Eifert

**Library Director**
Abby Armour

**Fire Chief**
Jeff Stien

## Consultant

Cory Poris Plasch, President, CP2 Consulting

CP2 CONSULTING

# VILLAGE OF MUKWONAGO

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


# MEMORANDUM

**DATE:** **May 15, 2025**

**TO:** **Village Board of Trustees**

**FROM:** **Diana Dykstra, Village Administrator**

**RE:** **Strategic Plan Acceptance & Update**

## Background:

The Village began the Strategic Planning Process in 2024 by holding Business Focus Groups, Community Resident Focus Groups, Internal Stakeholder Surveys and a retreat with Elected Officials.
January 8, 2025 CP2 Consulting presented the final draft to the Committee of the Whole and the Department Heads began the process of establishing those metrics.
There was no action taken in January, and we realize this is vital for our success. We determined, following our last session, we would bring this document, before the Village Board, for acceptance.

We also felt it was important to update you on the process and our plan for implementation moving forward.

## Recommendation:

To accept the final strategic plan, as presented, to allow the Department Heads to begin the process of measuring their goals and targets. We will report on a quarterly basis to the Board on our progress.

**VILLAGE OF MUKWONAGO**
**WAUKESHA/WALWORTH COUNTIES**

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**RESOLUTION NO. 2025-10**
**A RESOLUTION DESIGNATING PUBLIC DEPOSITORIES AND AUTHORIZING WITHDRAWL OF THE VILLAGE OF MUKWONAGO FUNDS**

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**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 Villageof Mukwonago, Waukesha and Walworth Counties, State of Wisconsin; and

State Investment Pool-Madison
Citizens Bank
Johnson Bank of Mukwonago
Wisconsin Investment Trust-Madison
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 accordancetherewith all order checks shall be signed by the following persons:

Fred H. Winchowky, Village President
Lana C Kropf, Village Clerk/Treasurer
Shay Zerfas, Village Deputy Clerk/Treasurer

**BE IT FURTHER RESOLVED,** that in lieu of their personal signatures, facsimile signatures 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 21st day of May, 2025.**

_____
Fred H. Winchowky, Village President

_____
Lana C Kropf , WCMC, Village Clerk-Treasurer

## RESOLUTION NO. 2025-11

# A RESOLUTION 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 21st day of May, 2025.

By: _____
Fred Winchowky, Village President

VILLAGE OF MUKWONAGO
PLACE OF THE BEAR
19 05
WISCONSIN

Attest:_____
Lana C Kropf, WCMC
Village Clerk-Treasurer