

Village of Mukwonago
Notice of Meeting and Agenda

REGULAR VILLAGE BOARD MEETING
Wednesday, February 19, 2020

Time: **6:30 pm**

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

1. Call to Order

2. Roll Call

3. Pledge of Allegiance

4. Comments from the Public

The purpose of this section is to allow the non-elected general public the opportunity to address the Board on any subject of concern that is not the topic of a current or previous Public Hearing before the Village Board. If you wish to be heard, the Village Board asks that you begin by stating your name and address, speak for no more than three minutes and attempt to avoid duplication. Each person speaking must sign the Comments from the Public Appearance sign-in sheet before speaking. The sign-in sheet is available on the table located at the back of the room. The Board will only receive comments during Public Comment. The Public Comment portion of the meeting is scheduled for a total of 15 minutes in length but will end sooner if the Village President has determined that there is no one else present who still wishes to speak.

5. Presentations

5.1 Presentation from Karl James & Company LLC on Brand Positioning for the Village of Mukwonago.

[Mukwonago Brand](#)

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 Motion to approve minutes of the Village Board meeting of January 15, 2020.

[2020-01-15 Draft VB Minutes](#)

6.2 Motion to approve Vouchers in the amount of \$5,410,518.67

[2020-02-05 Accounts Payable Reports](#)

6.3 Motion to approve purchase requisition for a 2020 Chevrolet 2500HD Service Truck for the Utilities Department.

2020 2500HD Service Truck Purchase Requisition

2020 2500HD Water Service Truck Quote

- 6.4 Motion to approve the Purchase Order for park equipment from Keeper Goals in the amount of \$11,760.
Keeper Goal PO.pdf
Keeper Goal Quote
- 6.5 Motion to approve of 2019 Paving Rehabilitation Close-out Change Order and Final Payment.
2019 Pavement Rehabilitation Closeout
- 6.6 Motion to approve the Purchase requisition for one new squad 2020 Dodge Durango in the amount of \$32,019 from Lynch Chrysler Dodge Jeep.
Lynch Dodge Durango bid.pdf
2020 Squad purchase order
- 6.7 Motion to approve TID #5 Phase 2 Public Improvements Close-out Change Order and Final Payment.
TID #5 Phase 2 Closeout
- 6.8 Motion to approve 2019 Street Rehabilitation Close-out Change Order and Final Payment.
2019 Street Rehabilitation Closeout
- 6.9 Motion to approve purchase requisition for pedestrian crossing lights at STH 83 & Lincoln Avenue.
Purchase Requisition.docx
Sales-Quote Q1818006.pdf
- 6.10 Motion to approve special event application for Summerfeste 2020 sponsored by the Mukwonago Lions Foundation, held at Field Park June 18, 19, 20, 21, 2020.
Summerfeste Park and Special Event Application
- 6.11 Motion to approve special event application for the Annual Easter Egg Hunt sponsored by the Mukwonago Lions Foundation, located at Field Park April 4, 2020 (rain date April 11, 2020).
Easter Egg Hunt Park and Special Event Application
- 6.12 Motion to approve special event request for ProHealth Park Walk for Cancer at Field Park on May 1 (preparation for event) and May 2 (event).
ProHealth Park Walk-Field Park-May 1-2

6.13 Motion to approve the Temporary Class "B" / "Class B" Retailers License for Mukwonago Lions Foundation for Summerfeste 2020, June 17, 18, 19, 20, 21.
[Summerfeste Temporary Alcohol Application](#)

6.14 Motion to approve Letter of Credit Reduction No. 1 for Box Self Storage Development to \$191,089.50.
[Box Self Storage Letter of Credit Reduction #1](#)

7. Report from Library Director, Angela Zimmermann

8. Downtown Development Committee, Trustee Walsh

8.1 Summary of conversation with DOT regarding Downtown Hwy 83 and Feb 27th Open House Announcement.

9. Finance Committee, Trustee Vermeulen

Discussion and possible action on the following items

9.1 Motion to approve Vouchers in the amount of \$393,347.75.
[2020-02-19 Accounts Payable Report](#)

9.2 Deback Drive Mandatory Alternate Proposal Analysis
[Deback Drive Cost Breakdown from Engineer.pdf](#)
[Analysis of Mandatory Alternate Proposal.pdf](#)

10. Planning Commission Recommendations

Discussion and possible action on the following Plan Commission Recommendations

10.1 RESOLUTION 2020-04 to approve a Site Plan Amendment for Pro Health Care Hospital and new Propane Tank Located on East side of facility at 240 Maple Ave. (Waukesha Memorial Hospital Inc, Owner/Applicant); Parcel MUKV 2016-993-002.
[RESOLUTION 2020-004 ProHealth](#)
[Staff Report](#)
[Site Plan](#)
[Aerial Map](#)

10.2 Resolution 2020-03 to approve a Planned Unit Development (PUD) Request and associated Site Plan and Architectural Review as a Conditional Use for a proposed 20 unit Residential Care Assisted Living Facility at 210 McDivitt Ln (Birchrock Properties LLC, Owner/Applicant); Parcel MUKV 2012-215-002.
[RESOLUTION 2020-03 210 McDivitt - SPAR](#)
[Staff Report](#)
[210 McDivitt Ln Aerial](#)

Site Plan
Civil Plans 20200206
SWMP submittal approved by Village ENGR
PC Packet 20200211

11. Public Works Committee, Trustee Wamser

Discussion and possible action on the following items

11.1 Update on the Well #3 well pump improvements and repairs.

[Well 3 Tool Removal](#)

11.2 Motion to approve waste hauler refunds due to rate increase, as presented contingent upon offsetting any outstanding liabilities owed to the Village.

[Waste Hauler Refund](#)

12. Protective Services, Trustee Brill

Discussion and possible action on the following items

12.1 Discussion and action on the 2019 Fire Department Settlement and authorization for the Finance Director to create a 2019 Budget Amendment.

[2019 Joint Settlement Position as of 2-12-2020](#)

12.2 Fire Department Study Update

12.3 Discussion and action to approve the sale of used equipment and apparatus including a Utility Vehicle 3481, Engine 3461, Mako Air Compressor, SCOTT SCBA Harnesses, and LUCAS 2.

[Sale of Used Equipment](#)

12.4 Discussion and action on the purchase of Ballistic Gear

[Ballistic Gear Quote](#)

12.5 Discussion and action on the purchase of a 2020 Chevrolet Silverado 3500HD

[2020 Chevrolet Silverado 3500HD](#)

12.6 Intercept Agreement with Elkhorn FD

[Elkhorn Intercept Agreement Signed 01-11-2020](#)

12.7 Damage to 3488 \$3,200

12.8 New MSA G1 packs in service 02-01-2020

12.9 Fire & Ambulance Reports for 2020 (for information only, no action required)

[2020 Fire and Ambulance Reports](#)

- 12.1 Monthly Police Department Report (for information purposes only)
[January 2020](#)

13. Village Administrator

- 13.1 Update on legislation surrounding the Tax Increment District financing as it relates to multi-county municipalities.
- 13.2 Review of comments on proposed Cooperative Boundary Agreement between the Town of Vernon and the Town of Waukesha.
[Comments Proposed for Cooperative Boundary Agmt](#)
- 13.3 Discussion and possible action on a Memorandum of Understanding between the Village of Mukwonago and the Wisconsin Department of Transportation for access to WIS 83 between the Village of Mukwonago and the Wisconsin Department of Transportation for the Mukwonago TID #5 (Banker Wire) development site located on lands on the northeast side of WIS 83 opposite of Boxhorn Drive.
[DOT MOU Redline Version](#)
[DOT MOU Final](#)
- 13.4 Discussion and possible action on Economic Development Cooperation Contract between Waukesha County Center for Growth, Inc. and the Village of Mukwonago in the amount of \$6,108.56.
[Waukesha Co Center for Growth Contract 2020](#)

14. Village President

- 14.1 Acknowledgement of letter from Dr. Chris Hibner, Superintendent of the East Troy Community School District regarding the April 7, 2020 Referendum.
[ET School Referendum Letter](#)
- 14.2 Appointments to Historic Preservation Committee: Ben Kohout, Village Planner, for a term expiring 2021 Jeff Vanevenhoven, Historian, for a term expiring 2023 Ray Gooden, Real Estate Broker, for a term expiring 2023 Jim Decker, Village Trustee, for a term expiring 2021 Mary Patz, Citizen Member, for a term expiring 2022 Jeane Coley, Citizen Member, for a term expiring 2023 Scott Reeves, Citizen Member, for a term expiring 2022
- 14.3 Appointment of Mark Penzkover to the Plan Commission for a term expiring in 2020.
- 14.4 Appointment of Joseph McAdams to the Police Commission for a term expiring in 2021.

14.5 Appointment of Shane Herbig to the Joint Fire Commission to a term expiring in 2020.

15. 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*) for negotiation with 301 Main Street, 830 E Veteran's Way, Ground Lease with US Cellular, and contract with Musson Brothers regarding the DeBack Drive infrastructure contract; and pursuant to **Wis. Stats. § 19.85(1)(c)** (*Compensation and Evaluation. Considering employment, promotion, compensation or performance evaluation data of any public employee subject to the jurisdiction or authority of governing body.*) concerning Police Chief, and the evaluation of the Village Administrator.

16. Reconvene into Open Session

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

16.1 Award of Contract to Musson Brothers, Inc. the DeBack Drive Infrastructure with the mandatory alternate, subject to approval of form by the Village Attorney.

[DeBack_Recommendation of Award-MA](#)

[Cost Comparison of Bidders-DeBack](#)

[Notice of Award-Revised Deback](#)

16.2 Discussion and possible action on Counter Offer for 301 Main Street

16.3 Discussion and possible action on possible land purchase at 830 E. Veteran's Way.

[Appraisal Report 803 E Veterans Way](#)

16.4 Discussion and possible action on a Ground Lease Agreement between The Village of Mukwonago and United States US Cellular Operating Company LLC.

[Mukwonago South 784479 fin draft repl Lease 012320](#)

17. Adjournment

It is possible that a quorum of, members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Please note, upon reasonable notice, efforts will be made to accommodate the needs of individuals with disabilities through appropriate aids and services. For additional information or to request this service, contact the Municipal Clerk's Office, (262) 363-6420.

Village of Mukwonago

Brand Positioning

Project Overview

- Brand position recommendation/rationale
- Brand foundation
 - Tagline
 - Core narrative (why Mukwonago)
- Marketing communications plan (TBD)

Project Deliverables

- Primary research
 - Review of existing studies/presentations
 - Economic development tour
- Secondary research
 - Village background materials/brand audit
 - Municipal research/internal discussions
- Competitor landscape review
 - Online competitor positioning audit

Project Research

Brand Fundamentals

- Is a commitment to provide a specific experience to all constituents
- Simplifies the decision-making process
- Removes risk from complex decisions
- Bridges functional with emotional

An Effective Brand

- The space Mukwonago wants to own in the minds of its constituents (Village = X)
 - Current, prospective businesses
 - Current, prospective residents
 - Municipal partners/alliances (CRE, bankers)
 - Municipal influencers/media

What's Brand Position?

- Is logical, defensible, credible
- Is the first step in cementing a specific, single understanding of the organization in the minds of all its audiences
- Allows for a range of conversations about its attributes and program offers
- Differentiates the organization
- Rallies, aligns and mobilizes staff
- Allows for organizational evolution over time: new offers, services, opportunities

Effective Brand Positions...

- Finds compelling communications via:
 - Actions/words that drive assessment
“Mukwonago = X”
 - Creative look and feel (TBD)
 - Internal and external tactics designed to advance our new brand story (TBD)

Effective Brand Positions...

- Positioning for Fed Ex
 - FedEx = X
 - X = most reliable on-time delivery service in the world
- Campaign/Tagline
 - When it absolutely, positively has to be there overnight

Sample Brand Positioning...

Brand Positioning: Mukwonago

KARL JAMES¹⁷
& COMPANY_{LLC}

Serve as a catalyst to development that moves the community forward while maintaining a balance between characteristics that appeal to families' quality of life and economic factors that make it possible.

Brand Mission

- 
- Draws on village's strongest assets
 - Illustrates uniqueness and differentiation
 - Centers employee on highest value action
 - Explains why Mukwonago
 - Defines why Mukwonago is the best
 - Portrays the space Mukwonago wants to own in the minds of its constituents internal/external
 - In other words, Mukwonago = X

 - And now the big reveal...

Quick Positioning Reminder



Breaking down barriers to smart growth and quality of life

Recommended Positioning

- 
- All decisions, whether internal or external customers, must produce this result
 - All actions/communications must produce this assessment

Positioning Usage



Mukwonago is breaking down barriers...

- Acknowledges past while focusing on future
- Centers decisions on competitive advantage
- Elicits trust by committing to solve problems
- Adapts readily to suit variety of offers
- Allows latitude to grow without changing position
- Recognizes challenges working municipalities
- Supports idea generation, value creation

Brand Positioning Rationale

- 
- **We solve problems**
 - ...to the benefit of internal and external customers who expect efficient, effective government

Brand Promise

- Name (Existing)
- Logo (TBD)
- Tagline
- Brand narrative

Brand Elements

- 
- Should reflect functional, emotional values
 - Captures brand essence, personality, positioning
 - Contributes to clear positioning of brand

Tagline Considerations



Village of
Mukw**nago**
Where Life, Leisure and Business Thrive

Village of
Mukwnago
Where Life, Leisure and Business Thrive

Logo & Tagline

KARL JAMES²⁶
& COMPANY LLC

- 
- Portrays clearly what village is about
 - Provides inspiration, optimism to all
 - Rallies belief in village vision/mission
 - Elevates, illustrates importance of delivering on brand promise to internal/external customers

Brand Narrative

- 
- Mukwonago resides at the intersection of life, leisure and economic leadership. Minutes from Milwaukee with convenient access to Chicago and Madison, Mukwonago couples urban amenities with a quaint small-town lifestyle. It's where open spaces, parks and waterways converge with academic achievement, safe surroundings and economic opportunity.

Brand Narrative

- Long known for commerce dating back to Native American tribes trading along the shores of Phantom Lake, Mukwonago is committed to economic expansion. Our new development approach is simple: Serve as a catalyst that moves the community forward while maintaining a balance between characteristics that appeal to quality family life and economic factors that make it possible.

Brand Narrative

- Our resource rich community offers financial incentives, prime development sites, and existing commercial and residential properties. Businesses are well supported with talent and services required for sustained prosperity.

Brand Narrative

- Higher than average income, education level, and housing values provide a base of disposable income to stimulate commerce. Our mix of big box retail and main street village shops draw consumers from throughout the region. Our industrial park expansion is making way for more businesses interested in working with a government committed to smart growth. These are but a few qualities that make Mukwonago a commercial and retail hub.

Brand Narrative

- Collaboration serves as the cornerstone of our community. Ranked nationally for academic achievement, our school district also works with businesses to create educational pathways to match skilled workforce to industry. A strong volunteer spirit shows in our many civic, spiritual and community organizations. Public safety maintains strong working relationships throughout the community. Health and well-being are strongly supported by our own YMCA and ProHealthcare facilities.

Brand Narrative

- Our unwavering commitment to advance what matters to those who live, work and play in Mukwonago is on display daily. From the construction of a new Emergency Department—complete with helipad for emergency airlifts—to a wide array of appealing amenities across the spectrum of life

Brand Narrative

- Access to rivers, lakes and parks give way to amenities such as Elegant Farmer, Kettle Moraine State Forest and Vernon Marsh Wildlife Refuge. Year-round events include parades to festivals to fireworks and much more. An abundance of family activities and experiences serve as a catalyst of community pride.

Brand Narrative

- There's a dedication to prosperity. There's a sense of kindness. There's an underlying respect for people.
- Because of our people and because of our relentless pursuit of prosperity, we are committed to breaking down barriers to smart growth and advancing quality of life.
Mukwonago: Where life, leisure and business thrive.

Brand Narrative



Village of
Mukwano
Where Life, Leisure and Business Thrive

Village of
Mukwano
Where Life, Leisure and Business Thrive

Logo & Tagline

KARL JAMES
& COMPANY LLC

- Questions to Consider:
 - Does the narrative tell the story we believe differentiates the village against other options?
 - Does the logo and tagline represent the narrative?

Thoughts/Questions

VILLAGE OF MUKWONAGO MINUTES OF THE REGULAR VILLAGE BOARD MEETING WEDNESDAY, JANUARY 15, 2020

Call to Order

The Village President Winchowky called the meeting to order at 6:05p.m. located in the Board Room of the Mukwonago Municipal Building, 440 River Crest Ct.

Roll Call

Board Members present: Eric Brill
Jim Decker
Darlene Johnson
Jay Vermeulen
Roger Walsh
Jason Wamser
Fred Winchowky, Village President

Also present:

John Weidl, Village Administrator
Ron Bittner, Public Works Director
Mark Blum, Village Attorney
Dave Brown, Utilities Director
Diana Dykstra, Clerk-Treasurer
Diana Doherty, Finance Director
Kevin Schmidt, Police Chief
Jerad Wegner, Village Engineer
Bob Harley, Building Inspector
Ben Kohout, Village Planner

Pledge of Allegiance

Comments from the Public

Carole Fickau, 262 McArthur Drive, spoke on the signage at Field Park and expressed she was not in favor of it. She felt it would be a traffic issue and not look right.

David Boebel, 815 Parkview, submitted comments electronically to the Village Clerk regarding the agenda management software relative to the employee merit increase. He felt the Administrator's project goals were not addressing timeliness of the release of agendas and minutes. He hopes to see a report on the progress during the next "State of the Village" address.

Presentations

Presentation of online Zoning Hub application system, and overview of capabilities of system in researching properties, allowable land uses, and dimensional standards of development. Village Planner Kohout and former Planner Schwecke reviewed the software program and how residents can look up the zoning on a particular parcel, find out what they can do with the parcel, or what type of business can be placed there, or what the process would be to request changes. It was noted staff will be reviewing the timing of the upload, and how the resident can be directed to the village web site for appropriate forms.

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 Approve Minutes of December 18, 2019 Village Board

Meeting

6.2 Motion to approve Vouchers in the amount of

\$640,283.44

6.3 Motion to approve and authorize the Village President to sign the WE Energies lighting agreement for the River Park Estates LED street light conversion.

6.4 Motion to approve a Stumper 280 HD Stump Grinder Purchase Requisition.

6.5 Motion to approve a 2020 Patrol Truck equipment package purchase requisition.

6.6 Motion to approve Task Order 2019-18 from Ruekert-Mielke, Inc. for River Park Estates Phase 2 Design, Bidding, and Construction Services.

6.7 Motion to approve and authorize the Village President to sign the WE Energies lighting agreement for the River Park Estates LED street light conversion.

6.8 Motion to approve and authorize the Village President sign the lighting agreement with WE Energies for the additional street light on Fox River View.

6.9 Motion to approve and authorize the Village President to sign the documents related to WE Energies work order 4243187 for the downtown street light project.

6.10 Motion to approve the request for educational pay incentive from Officer Michael Kubiak.

6.11 Motion to approve **Resolution 2020- 01** A resolution to establish a snowmobile route within the limits of the Village of Mukwonago.

Decker/Johnson motion to approve consent agenda items 6.1 to 6.11 as presented.

Trustee Johnson noted the Certificate of Insurance for the snowmobile club was received.

Downtown Development Committee, Trustee Walsh

Discussion and possible action on the following items

Announcement of the Downtown Design Charrette on Thursday, January 23, 2020 from 6:00pm to 8:00pm in the Community Room at the Village Hall for a collaboration on the future streetscaping and wayfinding signage for downtown Mukwonago.

Trustee Walsh noted there is no action required this was just for information purposes, and discussed the new flyer which was attached to the packet.

Downtown Development Committee Update

Trustee Walsh discussed the workshop coming up, the preparation and support. He thanked his committee members for their hard work and this completed project will assist with many other projects in the Village.

Finance Committee, Trustee Vermeulen

Discussion and possible action on the following items

Authorize Finance Chair to review and approve an additional AP batch the last week in January capturing 2019 activity to facilitate Financial Audit preparation.

Vermeulen/Johnson motion to approve authorizing the Finance Chair to review and approve an additional AP batch the last week in January capturing 2019 activity to facilitate Financial Audit preparation. Unanimously carried.

Motion to approve AP batch Vouchers in the amount of \$241,053.02

Vermeulen/Decker motion to approve AP batch Vouchers in the amount of \$241,053.02. Unanimously carried.

Judicial Committee, Trustee Walsh

Discussion and possible action on the following items

Review and approve the form for the Request for Proposals for a Zoning Code and Sign Code rewrite.

Trustee Walsh noted this item has previously come before the Board seeking comments. No comments or objections were received. Planner Kohout noted they will look at the code and provide better explanations to help staff, and committees. They anticipate a timeline of 12-18 months. Trustee Decker asked if this will be a zoning and sign code clean up. Trustee Walsh noted this is within the Budget and then will be codified.

Walsh/Decker motion to release the RFP for Zoning Code and Sign Code rewrite not to exceed \$75,000. Unanimously carried.

Motion to approve Ordinance 972 an Ordinance amendment to the Municipal Code Chapter 6 Alcohol Beverages to reflect a lottery procedure for the issuance of an available regular "Class B"/Class "B" license.

Trustee Walsh noted he appreciated input on the process from Trustees Johnson and Decker. Walsh/Decker motion to adopt Ordinance 972 an Ordinance amendment to the Municipal Code Chapter 6 Alcohol Beverages to reflect a lottery procedure for the issuance of an available regular "Class B"/Class "B" license. Unanimously carried.

Personnel Committee, Trustee Johnson

Discussion and possible action on the following items

Motion to approve a merit increase pursuant to section 4(b) of the Employment Memorandum of Understanding for the Village Planner Ben Kohout.

Decker/Johnson motion to approve a merit increase pursuant to section 4(b) of the Employment Memorandum of Understanding for the Village Planner Ben Kohout. Administrator Weidl noted the Board authorized the MOU, the Planner drafted the memo and its before you today. Unanimously carried.

Motion to approve a merit increase pursuant to section 4(b) of the Employment Memorandum of Understanding for the Village Clerk/Treasurer Diana Dykstra.

Decker/Johnson motion to approve a merit increase pursuant to section 4(b) of the Employment Memorandum of Understanding for the Village Clerk/Treasurer Diana Dykstra.

Planning Commission Recommendations

Discussion and possible action on the following Plan Commission Recommendations

Motion to approve **Resolution 2020-02** a resolution for approval of the 1-wall sign for Touchpad Electronics, 101 W Boxhorn Dr; Parcel No #A486800001; applicant, Icon Decker/Wamser motion to approve **Resolution 2020-02** a resolution for approval of the 1-wall sign for Touchpad Electronics, 101 W Boxhorn Dr; Parcel No #A486800001; applicant, Icon. Planner Kohout noted this property is over (3) acres requiring formal review and it was approved at Plan Commission on January 14, 2020. Unanimously carried.

Protective Services, Trustee Brill

Discussion and possible action on the following items

Monthly Police Report *(For information purposes only. No action required)*

Trustee Brill noted the report is on file. Chief Schmidt discussed a recent accident with a squad during the storm.

Public Works Committee, Trustee Wamser

Discussion and possible action on the following items

Storm Water Maintenance Agreement with Phantom Lakes Preserve LLC

Trustee Wamser noted he has nothing to add, it has met the standards and regulations. Wamser/Brill motion to approve Storm Water Maintenance Agreement with Phantom Lakes Preserve LLC. Roll Call: "Yes" Trustee Brill, Decker, Vermeulen, Wamser, and Winchowky. "No" Trustee Johnson and Walsh. Motion carried 5-2

Agreement for the Subdivision Improvements for the Phantom Lake Preserve Development in the Village of Mukwonago, Waukesha County.

Wamser/Decker motion to approve an Agreement for the Subdivision Improvements for the Phantom Lake Preserve Development in the Village of Mukwonago, Waukesha County. Roll Call: "Yes" Trustee Brill, Decker, Wamser, and Winchowky. "No" Trustee Johnson, Vermuelen, and Walsh. Motion carried 4-3.

Motion to approve Developer's request for the reimbursement of the Lift Station and stabilizing of the saturated soil conditions with Super Products, LLC.

Wamser/Decker motion to approve Developer's request for the reimbursement of the Lift Station and stabilizing of the saturated soil conditions with Super Products, LLC. Administrator Weidl noted there has been an agreement previously approved. They conducted particular work and in return the Village would reimburse that work once the Engineer concurred with those improvements. Trustee Johnson asked about the amount and where the money will come from. Administrator Weidl noted it was part of the borrowing for that project. Unanimously carried.

Discussion and possible action on Well #3 repairs and options available.

Utility Director Brown discussed the Well #3 repairs. He noted they had a contract to rehab and while surging the well collapsed and a tool got stuck. They have a change order before them for \$46,650 for the first 90 hours to get this out or push to the bottom and seal it. Engineer agrees this is an acceptable change order. Director Brown notes this is not an exact thing, and it could cave in or just may not work. He wanted to be sure the Trustees know of

the possibilities. Wamser/Decker motion to approve the Water Well Solutions Change Order in the amount of \$46,650. It was noted that staff can sign change orders up to \$30,000 and there is emergency procedures should they need back up procedures. Unanimously carried.

Village President

Announcement of vacancies available for appointment to the Historic Preservation Commission. President Winchowky noted there are vacancies that exist on the Historic Preservation Commission. He has a few candidates, but will be looking to compile a list.

Acceptance of Resignation from Ken Werner from the Police Commission, Plan Commission, and Joint Fire Commission.

President Winchowky read a resignation letter from Ken Werner into the record, and thanked Mr. Werner for his years of service, he will be missed.

Announcement of Community Focus Meeting to Meet the Mukwonago Fire Department, 1111 Fox Street, on Thursday January 16, 2020. Tours will be provided at 6:00pm along with free blood pressure checks. Community Focus Meeting starts at 7:00pm to answer questions and help direct the future of the Mukwonago Fire & EMS services.

Closed Session

Decker/Johnson motion to go into closed session pursuant to **Wis. Stats § 19.85 (1) (g)** (Conferring with legal counsel who either orally or in writing will advise governmental body on strategy to be adopted with respect to current or likely litigation) concerning Greenwald Family Limited Partnership v. Village of Mukwonago and **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) for the negotiation of a lease with U.S. Cellular, Town of Vernon Boundary Agreement, and a Developer Guaranty Agreement with Mukwonago Family Ventures, LLC (Maple Centre) at 7:31pm.

Roll Call: "Yes" Trustee Brill, Decker, Johnson, Vermeulen, Walsh, Wamser, and Winchowky. Unanimously carried.

Trustee Johnson stepped out of the room 7:35pm.

Trustee Johnson returns to her seat at 8:00pm.

Reconvene into Open Session

Decker/Johnson 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 at 8:21pm.

Roll Call: "Yes" Trustee Brill, Decker, Johnson, Vermeulen, Walsh, Wamser, and Winchowky. Unanimously carried. Unanimously carried.

Trustee Johnson stepped out of the room at 8:21pm.

Wamser/Decker motion to authorize the Village President to Sign the Developer Guarantee Agreement with Mukwonago Family Ventures, LLC (Maple Centre). Motion carried. Trustee Johnson absent.

Trustee Johnson returns to her seat at 8:22pm.

Adjournment

Meeting adjourned at 8:22pm.

Respectfully Submitted,
/s/ Diana A. Dykstra, CMC
Clerk-Treasurer

DRAFT

Accounts Payable Cover Sheet

Report:	Period or corresponding report date		
Village Accounts Payable	1/23/2020	\$	1,110.00
Village Accounts Payable	1/28/2020	\$	228,227.07
Village Accounts Payable	2/6/2020	\$	401,560.64
Library Accounts Payable		\$	15,173.82
Spectrum (ach withdrawal)		\$	2,951.07
WE Energies (ach withdrawal)		\$	46,662.91
US Bank (ach withdrawal)		\$	18,718.67
January Tax Settlements		\$	4,535,384.88
Manual Checks or E-checks issued	January 2020	\$	160,729.61
Total for Approval:		\$	<u>5,410,518.67</u>

The preceding list of bills payable was approved for payment

Date: _____

Approved by: _____

INVOICE				APPROVAL	
NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	DEPARTMENT
VENDOR NAME: UNEMPLOYMENT INSURANCE					
9899314	BALANCE DUE ZAREMBA	610-6920-511000	555.00	1,110.00	FINANCE
		620-8400-511000	555.00		
TOTAL VENDOR UNEMPLOYMENT INSURANCE				1,110.00	
GRAND TOTAL:				1,110.00	

01/30/2020 01:56 PM
User: mschneider
DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO
EXP CHECK RUN DATES 01/28/2020 - 01/28/2020
JOURNALIZED OPEN AND PAID
BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Page: 1/3

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT
VENDOR NAME: AIRGAS USA LLC				
9967318751	EMS SUPPLIES	150-5231-531100	350.72	350.72 FIRE
TOTAL VENDOR AIRGAS USA LLC				350.72
VENDOR NAME: ALSCO				
IMIL1520924	VH WALKOFF MATS	100-5160-531100	330.00	367.00 DPW
		100-5160-521900	37.00	
IMIL1520924-CRD	VH WALK OFF MATS	100-5160-531100	(330.00)	(330.00) DPW
TOTAL VENDOR ALSCO				37.00
VENDOR NAME: ASSOCIATED TRUST CO.				
14543	2019 UTILITY BOND FEES	610-6920-693000	237.50	475.00 FINANCE
		620-8400-856000	237.50	
14542	2019 UTILITY BOND FEES	610-6920-693000	237.50	475.00 FINANCE
		620-8400-856000	237.50	
TOTAL VENDOR ASSOCIATED TRUST CO.				950.00
VENDOR NAME: DAVID FORJAN OVERHEAD DOORS				
DEC 2019	REPLACE TWO SOUTH GARAGE DOOR PANELS (BO	100-5211-539400	1,464.50	1,464.50 POLICE
TOTAL VENDOR DAVID FORJAN OVERHEAD DOORS				1,464.50
VENDOR NAME: DIGGERS HOTLINE INC				
191238301	DEC DIGGERS	100-5344-521900	119.40	119.40 DPW
TOTAL VENDOR DIGGERS HOTLINE INC				119.40
VENDOR NAME: GATEWAY TECHNICAL COLLEGE				
25105	HERNANDEZ-STEIER FFII BOOKS	150-5223-533500	156.75	156.75 FIRE
TOTAL VENDOR GATEWAY TECHNICAL COLLEGE				156.75
VENDOR NAME: HARDY PRO-AIR SYSTEMS & SERVICE				
28485	WWTF BLOWER REPAIR PARTS 2019	620-8010-833000	128.11	128.11 UTILITIES
TOTAL VENDOR HARDY PRO-AIR SYSTEMS & SERVICE				128.11
VENDOR NAME: MESSAGEUS.COM				
193650134	LONG DISTANCE	620-8400-851000	7.29	7.29 UTILITIES
TOTAL VENDOR MESSAGEUS.COM				7.29
VENDOR NAME: MONTAGE ENTERPRISES, INC				
76417	ROAD SIDE MOWER PARTS	100-5324-539500	670.97	670.97 DPW
TOTAL VENDOR MONTAGE ENTERPRISES, INC				670.97
VENDOR NAME: NORTHERN LAKE SERVICE INC				
371251	WWTF LAB TESTING	620-8010-826000	132.00	132.00 UTILITIES
371391	WWTF LAB TESTING	620-8010-826000	180.00	180.00 UTILITIES
371796	WWTF LAB TESTING	620-8010-826000	84.00	84.00 UTILITIES

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VENDOR NAME: NORTHERN LAKE SERVICE INC				
	TOTAL VENDOR NORTHERN LAKE SERVICE INC		396.00	
VENDOR NAME: PRINT PACK & SHIP CENTER				
40542	WATER SAMPLE SHIPPING	610-6300-663200 14.33	14.33	UTILITIES
	TOTAL VENDOR PRINT PACK & SHIP CENTER		14.33	
VENDOR NAME: PROHEALTH CARE MEDICAL ASSOC INC				
301894	ERIC EMPLOYMENT SCREENING	100-5300-521900 145.00	145.00	DPW
	TOTAL VENDOR PROHEALTH CARE MEDICAL ASSOC INC		145.00	
VENDOR NAME: PROHEALTH PHARMACY				
10/7/2019	EMS SUPPLIES	150-5231-531100 121.63	121.63	FIRE
JAN 3 2020 29946	EMS SUPPLIES	150-5231-531100 439.94	439.94	FIRE
	TOTAL VENDOR PROHEALTH PHARMACY		561.57	
VENDOR NAME: RUEKERT & MIELKE, INC.				
130589	12-10044.300 BOX SELF STORAGE / CONSTRUC	100-0000-211425 603.28	603.28	FINANCE
130590	12-10057.100 EDGEWOOD APARTMENTS / REVIE	100-0000-211425 1,021.88	1,021.88	FINANCE
130598	12-10069.102 CHAPMAN FARMS PORTION OF VI	100-0000-211425 151.80	151.80	FINANCE
130599	12-10069.103 CHAPMAN FARMS PORTION OF VI	100-0000-211425 41.80	41.80	FINANCE
130602	12-10094.300 STORAGE WERKS MINI STORAGE	100-0000-211425 422.08	422.08	FINANCE
130606	12-10110.100 KAY'S DANCE CENTER / DEVELO	100-0000-211425 280.00	280.00	FINANCE
130610	12-10016.300 THE POINTE APARTMENTS / ERO	100-0000-211425 395.60	395.60	FINANCE
130611	12-10120.100 PHANTOM LAKES PRESERVE / DE	100-0000-211425 2,497.84	2,497.84	FINANCE
130615	12-10125.300 FOX STREET TOWNHOMES / EROS	100-0000-211425 95.80	95.80	FINANCE
130616	12-10127.100 210 MCDIVITT LANE EXPANSION	100-0000-211425 1,121.00	1,121.00	FINANCE
130618	12-92116.305 EDGEWOOD MEADOWS / EDGEWOOD	100-0000-211425 242.00	242.00	FINANCE
130621	12-92191.103 PRO HEALTH EXPANSION / 2018	100-0000-211425 56.00	56.00	FINANCE
130586	12-00000.100 General Services	100-5335-521900 3,872.82	7,407.32	FINANCE
		200-5335-521900 3,534.50		
130587	12-00000.300 Water Utility Services	610-6920-692300 2,463.11	2,463.11	FINANCE
130588	12-00000.400 Sewer Utility Services	620-8400-852000 3,102.98	3,102.98	FINANCE
130591	12-10061.300 Boat Launch Improvements /	480-5700-586400 249.60	249.60	FINANCE
130592	12-10063.210 2019 GIS Services - GIS Dat	100-5344-521900 352.70	453.70	FINANCE
		100-5241-521900 101.00		
130594	12-10063.216 2019 GIS Services - Water &	610-6920-692300 1,500.00	3,000.00	FINANCE
		620-8400-852000 1,500.00		
130595	12-10068.300 Construction Services Sugde	250-5335-521900 1,235.50	1,235.50	FINANCE
130597	12-10068.310 TID #5 Phase 2 Construction	250-5335-521900 268.50	268.50	FINANCE
130600	12-10075.300 WWTF Septage Receiving, Dig	620-0000-000110 1,449.71	1,449.71	FINANCE
130601	12-10081.300 Well 5 Iron Filter / Constr	610-0000-000109 4,246.36	4,246.36	FINANCE
130604	12-10096.204 Deback Drive Infrastructure	200-5335-521900 1,817.25	1,817.25	FINANCE
130605	12-10105.200 WWTF Clarifier Dome / Chemi	620-8400-852000 606.54	606.54	FINANCE
130607	12-10112.200 Pavement Rehabilitation Pro	480-5700-539900 220.75	220.75	FINANCE
130608	12-10115.200 2019 Well & Well Pump Impro	610-6920-692300 852.00	852.00	FINANCE
130609	12-10015.300 2019 Well & Well Pump Impro	610-6920-692300 1,834.25	1,834.25	FINANCE
130612	12-10122.300 Village Hall Generator Addi	480-5700-539900 663.75	663.75	FINANCE
130614	12-10123.310 2019 Street Rehabilitation	480-5700-584000 1,200.00	1,200.00	FINANCE

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VENDOR NAME: RUEKERT & MIELKE, INC.					
130617	12-92041.485 2019 SCADA Service Work	610-6920-692300	1,852.11	3,704.22	FINANCE
		620-8400-852000	1,852.11		
130619	12-92136.203 Chapman Farms / Special Ass	200-5335-521900	2,151.50	2,151.50	FINANCE
130620	12-92171.107 NR216 Storm Water Report /	100-5660-521900	2,654.34	2,897.75	FINANCE
		500-5344-521900	243.41		
TOTAL VENDOR RUEKERT & MIELKE, INC.				46,753.87	
VENDOR NAME: SUPER PRODUCTS					
TID#5 SUPER PRODUCT	REIMBURSEMENT IN DEVELOPERS AGREEMENT	250-5670-589505	174,600.00	174,600.00	FINANCE
TOTAL VENDOR SUPER PRODUCTS				174,600.00	
VENDOR NAME: TERMINAL ANDRAE INC.					
47898	WWTF ELECTRICAL UPGRADE BREAKROOM	620-8010-833000	1,771.36	1,771.36	UTILITIES
TOTAL VENDOR TERMINAL ANDRAE INC.				1,771.36	
VENDOR NAME: VERIZON WIRELESS					
9845558902	VERIZON BILL	150-5221-522500	100.20	100.20	FIRE
TOTAL VENDOR VERIZON WIRELESS				100.20	
GRAND TOTAL:				228,227.07	

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INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT
VENDOR NAME: 10-33 VEHICLE SERVICES, LLC					
1501	EQUIPMENT FOR NEW SQUAD IN 2020	430-5700-571100	9,457.28	9,457.28	POLICE
TOTAL VENDOR 10-33 VEHICLE SERVICES, LLC				9,457.28	
VENDOR NAME: 5 ALARM FIRE & SAFETY					
191388-1	MSA G1 SCBA INVOICE	430-5700-571300	226,660.98	226,660.98	FIRE
193231-1	SCBA CAPITAL CREDIT BACK TO 430-5700-571	430-5700-571300	(375.00)	(375.00)	FIRE
193549-1	STREAMLITE SCENE LIGHT	150-5222-531100	1,100.00	1,100.00	FIRE
TOTAL VENDOR 5 ALARM FIRE & SAFETY				227,385.98	
VENDOR NAME: AIR ONE					
152084	SUPPLY LINE HOLDER AND HOSE STAND	150-5222-531100	437.80	437.80	FIRE
152118	CREDIT TO 150-52225311	150-5222-531100	(15.25)	(15.25)	FIRE
TOTAL VENDOR AIR ONE				422.55	
VENDOR NAME: ALSCO					
IMIL1525792	WALKOFF MATS	100-5160-531100	300.00	368.65	DPW
		100-5160-521900	68.65		
IMIL1523322	JANUARY 2 MAT CLEANING SERVICE	100-5211-539400	43.89	43.89	POLICE
IMIL1528249	JANUARY 16 MAT CLEANING SERVICE	100-5211-539400	43.89	43.89	POLICE
WIMUK80657	VH WALK OFF MATS	100-5160-521900	38.65	38.65	DPW
TOTAL VENDOR ALSCO				495.08	
VENDOR NAME: AM TOWING					
044631	TOW ABANDONED VEHICLE FROM LINCOLN AVE A	100-5212-521900	150.00	150.00	POLICE
042138	TOW SUSPECT VEHICLE, IR#20-002293	100-5212-521900	170.00	170.00	POLICE
042193	TOW SUSPECT VEHICLE, IR#20-002998	100-5212-521900	125.00	125.00	POLICE
TOTAL VENDOR AM TOWING				445.00	
VENDOR NAME: AMERICAN POWER, INC					
112109	FORESTRY TOOLS AND SUPPLIES	100-5324-539500	495.96	786.27	DPW
		100-5611-531100	290.31		
TOTAL VENDOR AMERICAN POWER, INC				786.27	
VENDOR NAME: AT & T MOBILITY					
287291370101X01152	JANUARY CELLULAR/AIRCARD INVOICE	100-5211-522500	580.41	580.41	POLICE
TOTAL VENDOR AT & T MOBILITY				580.41	
VENDOR NAME: BIASEW					
2020 COURSE RUTENBI		100-5241-533500	205.00	205.00	BUILDING
2020 COURSE HARLEY		100-5241-533500	205.00	205.00	BUILDING
TOTAL VENDOR BIASEW				410.00	
VENDOR NAME: BOUND TREE MEDICAL LLC					
83474471	EMS SUPPLIES	150-5231-531100	248.00	248.00	FIRE
83475968	EMS SUPPLIES	150-5231-531100	300.06	300.06	FIRE
JULY - SEPT REBATE	EMS SUPPLIES - REBATE	150-5231-531100	(48.00)	(48.00)	FIRE

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VENDOR NAME: BOUND TREE MEDICAL LLC			
	TOTAL VENDOR BOUND TREE MEDICAL LLC		500.06
VENDOR NAME: BURKE TRUCK & EQUIPMENT INC			
26101	2020 SNOW PATROL TRUCK EQUIPMENT FIRST I 430-5700-571200	48,705.00	48,705.00 DPW
	TOTAL VENDOR BURKE TRUCK & EQUIPMENT INC		48,705.00
VENDOR NAME: C & M AUTO PARTS INC			
6079-310819	FUEL LINE	100-5324-539500 7.30	7.30 DPW
6079-311370	SQD #38 - OIL FILTER	100-5212-539500 3.59	3.59 POLICE
6079-311465	SHOPSUPLIES	100-5323-531100 9.96	9.96 DPW
6079-311479	SHOP SUPPLIES	100-5323-531100 3.02	3.02 DPW
	TOTAL VENDOR C & M AUTO PARTS INC		23.87
VENDOR NAME: CENTRAL OFFICE SYSTEMS			
66420182	LEASE PAYMENT	100-5142-531200 23.10	165.00 ALLOCATE
		150-5221-531100 21.45	
		220-5140-531200 1.65	
		410-5363-531200 3.30	
		440-5511-531200 8.25	
		500-5344-531200 1.65	
		610-6920-693000 54.45	
		620-8400-856000 51.15	
66586395	COPIER LEASE	150-5221-531100 92.00	92.00 FIRE
66586128	LEASE PAYMENT	100-5142-531200 23.10	165.00 ALLOCATE
		150-5221-531100 21.45	
		220-5140-531200 1.65	
		410-5363-531200 3.30	
		440-5511-531200 8.25	
		500-5344-531200 1.65	
		610-6920-693000 54.45	
		620-8400-856000 51.15	
	TOTAL VENDOR CENTRAL OFFICE SYSTEMS		422.00
VENDOR NAME: CHEMTRADE CHEMICALS US LLC			
92815734	WWTF PHOSPHORUS REMOVAL CHEMICALS	620-8010-824000 9,543.90	9,543.90 UTILITIES
	TOTAL VENDOR CHEMTRADE CHEMICALS US LLC		9,543.90
VENDOR NAME: CINTAS			
4039697182	STAFF UNIFORMS	100-5323-531100 95.47	95.47 DPW
4039113178	STAFF UNIFORMS	100-5160-531100 88.83	88.83 DPW
4040287615	STAFF UNIFORMS	100-5323-531100 108.98	108.98 DPW
4040287587	UNIFORM SERVICE	610-6920-693000 39.25	78.50 UTILITIES
		620-8010-827000 39.25	
4039697060	UNIFORM SERVICE	610-6920-693000 39.25	78.50 UTILITIES
		620-8010-827000 39.25	

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT
VENDOR NAME: CINTAS					
	TOTAL VENDOR CINTAS			450.28	
VENDOR NAME: CONLEY MEDIA, LLC					
6362410120-C	CHAPMAN BLVD SPECIAL ASSESS	100-5153-531200	131.49	131.49	CLERK
6362410120-U	WWTF CHEMICAL BLDG BID ADVERTISEMENT	620-8010-827000	119.07	119.07	UTILITIES
6362410120-PLAN	NOTICE OF PUBLIC HEARING	100-5632-531200	71.17	71.17	PLANNER
	TOTAL VENDOR CONLEY MEDIA, LLC			321.73	
VENDOR NAME: CONSERV FS INC					
60028935	SNOW FENCE	100-5347-531100	590.00	590.00	DPW
	TOTAL VENDOR CONSERV FS INC			590.00	
VENDOR NAME: CORE & MAIN LP					
L738452	WATYER MAIN VALVE BOX REPAIR PARTS	610-6451-665100	624.00	624.00	UTILITIES
	TOTAL VENDOR CORE & MAIN LP			624.00	
VENDOR NAME: COUNTY WIDE EXTINGUISHER, INC					
18266	HOOD INSPECTION	100-5220-539400	109.25	109.25	DPW
	TOTAL VENDOR COUNTY WIDE EXTINGUISHER, INC			109.25	
VENDOR NAME: DIGIMATION DART RANGE					
INV-32697	FIREARMS TRAINING SIMULATOR	430-5700-571100	7,160.00	7,160.00	POLICE
	TOTAL VENDOR DIGIMATION DART RANGE			7,160.00	
VENDOR NAME: DYNAMIC AWARDS					
16858	FRAME 4 SETS OF PACKERS CARDS FOR PD, NA	100-5212-539900	125.00	125.00	POLICE
	TOTAL VENDOR DYNAMIC AWARDS			125.00	
VENDOR NAME: EIASEW INC					
2020 COURSE HARLEY		100-5241-533500	190.00	190.00	BUILDING
2020 COURSE RUTENBI		100-5241-533500	190.00	190.00	BUILDING
	TOTAL VENDOR EIASEW INC			380.00	
VENDOR NAME: EMERGENCY MEDICAL PRODUCTS					
2128165	EMS SUPPLIES	150-5231-531100	229.12	229.12	FIRE
2128477	EMS SUPPLIES	150-5231-531100	33.56	33.56	FIRE
2128060	EMS SUPPLIES	150-5231-531100	1,222.41	1,222.41	FIRE
	TOTAL VENDOR EMERGENCY MEDICAL PRODUCTS			1,485.09	
VENDOR NAME: ENVIRONMENT CONTROL					
12964-613	VILAGE HALL CLEANING	100-5160-521900	597.00	597.00	DPW
	TOTAL VENDOR ENVIRONMENT CONTROL			597.00	
VENDOR NAME: ERFFMEYER & SON COMPANY					
2020-82281	SERVICE PINS	150-5222-531100	201.50	201.50	FIRE
	TOTAL VENDOR ERFFMEYER & SON COMPANY			201.50	
VENDOR NAME: EXCEL BUILDING SERVICES LLC					
3453	JANUARY 2020 CLEANING SERVICE	100-5211-539400	975.00	975.00	POLICE
	TOTAL VENDOR EXCEL BUILDING SERVICES LLC			975.00	

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS	AMOUNT	APPROVAL DEPARTMENT
VENDOR NAME: FASTENAL COMPANY				
WIMUK80451	RESTROOM /LAB SUPPLIES	610-6920-693000 47.84 620-8010-827000 100.00	147.84	UTILITIES
WIMUK80571	GARBAGE BAGS VH	100-5160-531100 182.95	182.95	DPW
WIMUK80538	WWTF CORDLESS TRANSFER PUMP FOR CHEMICAL	620-8010-824000 252.95	252.95	UTILITIES
WIMUK80537	WWTF FLUKE ELECTRIC METER TESTER	620-8020-832000 328.61	328.61	UTILITIES
WIMUK80523	WATER FLUKE ELECTRIC METER TESTER	610-6310-663500 398.04	398.04	UTILITIES
WIMUK80657	PLOW BOLTS	100-5324-539500 42.41	42.41	DPW
TOTAL VENDOR FASTENAL COMPANY			1,352.80	
VENDOR NAME: FOSTER COACH SALES				
18842	3451 REPAIR	150-5231-539500 24.82	24.82	FIRE
TOTAL VENDOR FOSTER COACH SALES			24.82	
VENDOR NAME: GALLS LLC				
014689622	EQUIPMENT FOR AN ACTIVE SHOOTER KIT FOR	430-5700-571100 3,338.71	3,338.71	POLICE
TOTAL VENDOR GALLS LLC			3,338.71	
VENDOR NAME: HAWKINS WATER TREATMENT				
4646224	IRON REMOVAL CHEMICAL FOR WATER TREATMEN	610-6300-663100 597.52	597.52	UTILITIES
4646215	SLUDGE CONDITIONING CHEMICAL POLYMER	620-8010-825000 1,014.30	1,014.30	UTILITIES
TOTAL VENDOR HAWKINS WATER TREATMENT			1,611.82	
VENDOR NAME: HIPPENMEYER, REILLY, BLUM,				
49023	MISC MATTERS	100-5130-521900 2,855.00	2,855.00	FINANCE
49021	UTILITIES	610-6920-692300 201.25 620-8400-852000 201.25	402.50	FINANCE
49022	ORDINANCE/RESOLUTION	100-5130-521900 340.00	340.00	FINANCE
49020	PROSECUTION	100-5130-521900 915.00	915.00	FINANCE
48950	MISC MATTERS	100-5130-521900 2,410.00	2,410.00	FINANCE
48951	UTILITIES	610-6920-692300 283.13 620-8400-852000 283.12	566.25	FINANCE
48952	ORDINANCE/RESOLUTION	100-5130-521900 437.50	437.50	FINANCE
48955	PROSECUTION	100-5130-521900 900.00	900.00	FINANCE
48954	PHANTOM LAKES RESERVE	100-0000-211425 280.00	280.00	FINANCE
48961	TERONOMY/FAMILY VENTURES	100-0000-211425 350.00	350.00	FINANCE
TOTAL VENDOR HIPPENMEYER, REILLY, BLUM,			9,456.25	
VENDOR NAME: HOME DEPOT				
JANUARY 2020	PARK SUPPLIES AND TRENCHER RENTAL	100-5521-531100 251.25	251.25	DPW
TOTAL VENDOR HOME DEPOT			251.25	
VENDOR NAME: HORN FEEDS				
30593	SNOW / ICE CONTROL SALT	610-6200-662300 141.55 620-8010-827000 150.00	291.55	UTILITIES

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VENDOR NAME: HORN FEEDS					
	TOTAL VENDOR HORN FEEDS			291.55	
VENDOR NAME: IAEI					
6057988 2020 DUES		100-5241-532400	105.00	105.00	BUILDING
	TOTAL VENDOR IAEI			105.00	
VENDOR NAME: IMAGE TREND					
120359	IMAGE TREND ELITE ANNUAL	150-5231-521900	7,205.00	8,168.93	FIRE
		150-5221-521900	963.93		
	TOTAL VENDOR IMAGE TREND			8,168.93	
VENDOR NAME: JOHNS DISPOSAL SVC. INC.					
392265	JANUARY GARBAGE AND RECYCLING	410-5362-531000	23,933.76	41,806.95	DPW
		410-5363-522000	17,873.19		
	TOTAL VENDOR JOHNS DISPOSAL SVC. INC.			41,806.95	
VENDOR NAME: KAESTNER AUTO ELECTRIC					
336069	PLOW MARKERS	100-5521-531100	21.80	21.80	DPW
335664	PLOW MOTOR	100-5324-539500	(169.99)	(169.99)	DPW
335658	PLOW MOTOR	100-5324-539500	169.99	169.99	DPW
	TOTAL VENDOR KAESTNER AUTO ELECTRIC			21.80	
VENDOR NAME: KINDER MATTHEW					
2020 BOOT ALLOWANCE	WORK SAFETY SHOES	620-8010-827000	100.00	100.00	UTILITIES
	TOTAL VENDOR KINDER MATTHEW			100.00	
VENDOR NAME: MED ALLIANCE					
183713	EMS SUPPLIES	150-5231-531100	382.54	382.54	FIRE
	TOTAL VENDOR MED ALLIANCE			382.54	
VENDOR NAME: MILLER KEN					
2020 BOOT REIMBURSE	SAFETY WORK BOOTS	620-8010-827000	100.00	100.00	UTILITIES
	TOTAL VENDOR MILLER KEN			100.00	
VENDOR NAME: MUKWONAGO AUTO PARTS - GENERAL					
092713	#11 TRUCK PARTS	100-5324-539500	107.96	107.96	DPW
093315	SNOW BLOWER PARTS	100-5324-539500	16.65	16.65	DPW
093316	SHOP SUPPLIES	100-5323-531100	15.49	15.49	DPW
092664	SNOW PLOW REPAIR	610-6920-693300	65.00	131.93	UTILITIES
		620-8010-827000	66.93		
092264	SNOW PLOW PARTS	620-8010-827000	46.45	46.45	UTILITIES
092151	SNOW PLOW PARTS	620-8010-827000	43.69	43.69	UTILITIES
	TOTAL VENDOR MUKWONAGO AUTO PARTS - GENERAL			362.17	
VENDOR NAME: MUKWONAGO ROTARY CLUB					

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT	DEPARTMENT
VENDOR NAME: MUKWONAGO ROTARY CLUB					
2020 Q1 DUES	1ST Q DUES	100-5141-532400	89.75	269.25	FINANCE
		100-5211-532400	89.75		
		100-5300-532400	89.75		
TOTAL VENDOR MUKWONAGO ROTARY CLUB				269.25	
VENDOR NAME: PAL STEEL COMPANY					
79505	VARIOUS SUPPLIES	100-5323-531100	111.18	159.84	DPW
		100-5521-531100	48.66		
TOTAL VENDOR PAL STEEL COMPANY				159.84	
VENDOR NAME: PLUMBING INSPECTORS ASSOC					
FEB 21 2020 COURSE		100-5241-532400	50.00	50.00	BUILDING
TOTAL VENDOR PLUMBING INSPECTORS ASSOC				50.00	
VENDOR NAME: POMPS TIRE SERVICE, INC					
60202229	# 5 FRONT TIRES	100-5324-539500	409.60	409.60	DPW
60200840	TIRES FOR SKIDSTEER	620-8010-825500	2,323.00	2,323.00	UTILITIES
TOTAL VENDOR POMPS TIRE SERVICE, INC				2,732.60	
VENDOR NAME: PORT-A-JOHN, INC					
1308640-IN	PORTABLE RESTROOMS	100-5521-531100	88.00	88.00	DPW
1308641-IN	PORTABLE RESTROOMS	100-5521-531100	88.00	88.00	DPW
TOTAL VENDOR PORT-A-JOHN, INC				176.00	
VENDOR NAME: PRAXAIR DISTRIBUTION INC					
94407143	OXY/ACETYLENE TANK LEASE	620-8010-827000	31.05	31.05	UTILITIES
TOTAL VENDOR PRAXAIR DISTRIBUTION INC				31.05	
VENDOR NAME: PRINT PACK & SHIP CENTER					
125227E30362533825	LOCATOR REPAIR SHIPPING	610-6920-693000	37.22	37.22	UTILITIES
TOTAL VENDOR PRINT PACK & SHIP CENTER				37.22	
VENDOR NAME: PROVEN POWER INC					
02-323099	JD SNOW BLOWER PARTS	100-5324-539500	192.30	192.30	DPW
TOTAL VENDOR PROVEN POWER INC				192.30	
VENDOR NAME: QUILL LLC					
3835569	JANITORIAL SUPLIES	100-5160-531100	291.92	291.92	DPW
3884085	1099 FORMS	100-5141-531100	6.99	6.99	FINANCE
3794744-1	CREDIT FOR INCORRECT FORMS	100-5141-531100	(7.89)	(7.89)	FINANCE
3963205	BOX OF TOILET PAPER, GARBAGE BAGS, WYPAL	100-5211-539400	135.38	299.90	POLICE
		100-5211-531100	164.52		
TOTAL VENDOR QUILL LLC				590.92	
VENDOR NAME: REINDERS, INC.					

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VENDOR NAME: REINDERS, INC.					
1815304-00	SNOW BLOWER PARTS	100-5324-539500	23.52	23.52	DPW
TOTAL VENDOR REINDERS, INC.				23.52	
VENDOR NAME: RHODES TOWING & REPAIR					
16559	TOW SUSPECT VEHICLE, IR#20-003255	100-5212-521900	150.00	150.00	POLICE
TOTAL VENDOR RHODES TOWING & REPAIR				150.00	
VENDOR NAME: RICOH USA, INC					
32938024	COPIER LEASE PAYMENT	100-5142-531200	23.88	170.61	FINANCE
		150-5221-531100	22.18		
		220-5140-531200	1.71		
		410-5363-531200	3.41		
		440-5511-531200	8.53		
		500-5344-531200	1.71		
		610-6920-693000	56.30		
		620-8400-856000	52.89		
TOTAL VENDOR RICOH USA, INC				170.61	
VENDOR NAME: RUNDLE-SPENCE					
S2817290.001	WWTF DIGESTER GAS PIPING FOR FLARE	620-8010-833000	281.19	281.19	UTILITIES
TOTAL VENDOR RUNDLE-SPENCE				281.19	
VENDOR NAME: SHRED-IT USA					
8129000315	SHREDDING SERVICES	100-5142-521900	127.04	127.04	CLERK
TOTAL VENDOR SHRED-IT USA				127.04	
VENDOR NAME: SOMAR ENTERPRISES					
101795	MAGAZINES FOR ACTIVE SHOOTER KITS ISSUED	430-5700-571100	329.70	329.70	POLICE
TOTAL VENDOR SOMAR ENTERPRISES				329.70	
VENDOR NAME: TRACTOR SUPPLY CO					
JANUARY 2020	RODENT PESTICIDE	100-5323-531100	29.97	29.97	DPW
TOTAL VENDOR TRACTOR SUPPLY CO				29.97	
VENDOR NAME: UNITED LABORATORIES					
INV277833	FREEZE DRIED BACTERIA	620-8010-827000	1,251.33	1,251.33	UTILITIES
TOTAL VENDOR UNITED LABORATORIES				1,251.33	
VENDOR NAME: VERIZON WIRELESS					
9846241050	VERIZON BILL	150-5221-522500	350.68	350.68	FIRE
9846241049	MONTHLY BILL	150-5221-522500	20.65	275.32	MULTIPLE
		100-5323-522500	20.65		
		610-6920-692100	117.01		
		620-8400-851000	117.01		

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INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS	APPROVAL AMOUNT DEPARTMENT
VENDOR NAME: VERIZON WIRELESS			
9846241048	MONTHLY BILL	100-5141-522500 137.37	674.49 MULTIPLE
		100-5241-522500 93.45	
		150-5221-522500 7.14	
		100-5211-522500 2.31	
		100-5323-522500 135.10	
		610-6920-692100 149.56	
		620-8400-851000 149.56	
TOTAL VENDOR VERIZON WIRELESS			1,300.49
VENDOR NAME: WAUKESHA CTY PUBLIC WORKS			
2020 DUES WEGNER	WCPWA ANNUAL FEE	100-5300-532400 70.00	70.00 DPW
2020 DUES BITTNER	WCPWA FEES RON	100-5300-532400 70.00	70.00 DPW
TOTAL VENDOR WAUKESHA CTY PUBLIC WORKS			140.00
VENDOR NAME: WE ENERGIES DELAFIELD			
4243187	DOWNTOWN STREET LIGHTING	480-5700-539900 4,013.18	4,013.18 DPW
4473120	RPE LED STREET LIGHT CONVERSION	100-5342-539500 6,600.00	6,600.00 DPW
TOTAL VENDOR WE ENERGIES DELAFIELD			10,613.18
VENDOR NAME: WI DEPT OF JUSTICE-TIME			
455TIME-0000007874	1ST QUARTER BADGERNET/TIME ACCESS/OFFICE	100-5211-521900 2,250.00	2,250.00 POLICE
TOTAL VENDOR WI DEPT OF JUSTICE-TIME			2,250.00
VENDOR NAME: WISCONSIN IMAGING SOLUTIONS LLC			
AR41060	WATER COPIER	610-6920-692100 21.84	21.84 UTILITIES
TOTAL VENDOR WISCONSIN IMAGING SOLUTIONS LLC			21.84
VENDOR NAME: WOLTER POWER SYSTEMS			
522029146	NEW BATTERY, COOLANT & BLOCK HEATER HOSE	100-5211-539400 535.01	535.01 POLICE
TOTAL VENDOR WOLTER POWER SYSTEMS			535.01
VENDOR NAME: ZEP SALES & SERVICE			
9004845378	SUPPLIES	150-5231-531100 263.37	526.74 FIRE
		150-5222-531100 263.37	
TOTAL VENDOR ZEP SALES & SERVICE			526.74
GRAND TOTAL:			401,560.64

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GL Number	GL Desc	Vendor	Invoice Desc.	Invoice	Due Date	Amount	check #
Fund 440 LIBRARY FUND							
Dept 5511 LIBRARY SERVICES							
440-5511-531000	OUTSIDE SERVICES	AMERICA AQUARIA	FISH TANK MAINTENANCE	25489	01/10/20	85.00	29004
440-5511-531000	OUTSIDE SERVICES	OFFICE COPYING EQUIPME	11/12/19-12/11/19	AR102186	01/10/20	221.95	29018
440-5511-531000	OUTSIDE SERVICES	RICOH USA, INC	9/26/19-12/25/19	5058393316	01/10/20	280.89	29021
440-5511-531000	OUTSIDE SERVICES	THE APPOINTED HOUSEWIF	RESTROOM CLEANING	DECEMBER	01/10/20	600.00	29025
440-5511-531000	OUTSIDE SERVICES	UNIQUE MANAGEMENT	PLACEMENTS	576416	01/10/20	26.85	29026
440-5511-531100	SUPPLIES	QUILL LLC	COPY PAPER	3352065	01/10/20	161.62	29020
440-5511-531100	SUPPLIES	QUILL LLC	SCREEN	3648110	01/10/20	11.90	29020
440-5511-531100	SUPPLIES	QUILL LLC	CLEANING AND PAPER SUPPLIES	3667120	01/10/20	411.64	29020
440-5511-531400	META SPACE EQUIPMENT & SUP	FIRST TECHNOLOGIES INC	EPILOG HONEYCOMB VECTOR GRID	19-8146	01/10/20	160.00	29012
440-5511-531400	META SPACE EQUIPMENT & SUP	QUILL LLC	RIBBON	3145187	01/10/20	6.63	29020
440-5511-532600	PERIODICALS	RIVISTAS LLC	2020 PERIODICALS	10593	01/10/20	3,494.55	29022
440-5511-532700	NEWSPAPERS	MILWAUKEE JOURNAL SENT	2/1/20-1/31/21 SUBSCRIPTION	2020	01/10/20	348.98	29016
440-5511-533100	PROGRAMMING	MUELLER AMY	SHAKE RATTLE & ROLL	12020	01/10/20	100.00	29017
440-5511-533100	PROGRAMMING	PATRICIA KELLY FULLER	DIY CLASS	12027	01/10/20	300.00	29019
440-5511-533200	MILEAGE	LAURA FRISCH	MISC ERRANDS	DECEMBER	01/10/20	28.42	29013
440-5511-533200	MILEAGE	MICHELLE MICHALIK	OUTREACH	DECEMBER	01/10/20	22.74	29014
440-5511-533200	MILEAGE	TERRY BUCHMANN	DIY SUPPLIES PURCHASING	DECEMBER 3	01/10/20	20.88	29024
440-5511-533500	TRAINING & TRAVEL	AMERICAN LIBRARY	MEMBERSHIP DUES	2020	01/10/20	148.00	29005
440-5511-534300	DATA LINES	WISC DEPT OF ADMINISTR	TEACH SERVICES	505-0000043076	01/10/20	600.00	29027
Total For Dept 5511 LIBRARY SERVICES						7,030.05	
Dept 5700 CAPITAL OUTLAY EXPENDITURES							
440-5700-532800	BOOKS	BAKER & TAYLOR INC.	BOOKS	2035030746	01/10/20	996.84	29006
440-5700-532800	BOOKS	BAKER & TAYLOR INC.	BOOKS	2035030747	01/10/20	16.14	29006
440-5700-532800	BOOKS	BAKER & TAYLOR INC.	BOOKS	2035024880	01/10/20	80.61	29006
440-5700-532800	BOOKS	BAKER & TAYLOR INC.	BOOKS	2035024881	01/10/20	15.95	29006
440-5700-532800	BOOKS	BAKER & TAYLOR INC.	BOOKS	2035024882	01/10/20	29.66	29006
440-5700-532800	BOOKS	BAKER & TAYLOR INC.	BOOKS	2035005241	01/10/20	8.95	29006
440-5700-532800	BOOKS	BAKER & TAYLOR INC.	BOOKS	2035005242	01/10/20	15.11	29006
440-5700-532800	BOOKS	BRODART	BOOKS	B5834159	01/10/20	11.17	29008
440-5700-532800	BOOKS	CENGAGE LEARNING	BOOKS	69031814	01/10/20	25.59	29009
440-5700-532800	BOOKS	CENTER POINT LARGE PRI	BOOKS	1745954	01/10/20	87.63	29010
440-5700-532900	AV MATERIAL	MIDWEST TAPE	AUDIO BOOKS	98351025	01/10/20	34.99	29015
440-5700-532900	AV MATERIAL	MIDWEST TAPE	AUDIO BOOKS	98351027	01/10/20	34.99	29015
Total For Dept 5700 CAPITAL OUTLAY EXPENDITURES						1,357.63	
Dept 5890 USE OF DESIGNATED FUNDS							
440-5890-580600	DONATED FUND EXPENDITURES	BETTY BRINN CHILDRENS	MEMBERSHIP	2020	01/10/20	1,000.00	29007
440-5890-580600	DONATED FUND EXPENDITURES	ENGBERG ANDERSON INC	SPACE STUDY	19300800-05	01/10/20	4,000.00	29011
440-5890-580600	DONATED FUND EXPENDITURES	QUILL LLC	DESK CHAIR	3332937	01/10/20	303.99	29020
440-5890-580600	DONATED FUND EXPENDITURES	SWING NOUVEAU	DOWN PAYMENT ON JUNE SHOW	6172020	01/10/20	250.00	29023
440-5890-580600	DONATED FUND EXPENDITURES	TERRY BUCHMANN	DIY SUPPLIES	DEC	01/10/20	32.65	29024
440-5890-580600	DONATED FUND EXPENDITURES	TERRY BUCHMANN	DIY CLASS	DEC-2	01/10/20	199.50	29024
440-5890-580600	DONATED FUND EXPENDITURES	ZOOLOGICAL SOCIETY OF	MEMBERSHIP 3/1/20-2/29/21	2020	01/10/20	1,000.00	29028
Total For Dept 5890 USE OF DESIGNATED FUNDS						6,786.14	
Total For Fund 440 LIBRARY FUND						15,173.82	

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Fund Totals:							
			Fund 440 LIBRARY FUND			15,173.82	
			Total For All Funds:			15,173.82	

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Inv Num	Vendor	Description	Inv Date	Due Date	Inv Amt	Amt Due	Status	Jrnalized
Inv Ref#		GL Distribution		Entered By				Post Date

12/28-1/27/2020

38666	TIME WARNER CABLE		01/06/2020	01/14/2020	2,951.07	0.00	Paid	Y
	MONTHLY BILL			rgallo				01/07/2020
	100-5120-522500	TELEPHONE			79.17			
	100-5141-522500	TELEPHONE			87.21			
	100-5142-522500	TELEPHONE			157.38			
	100-5144-521900	PROFESSIONAL SERVICES			26.40			
	100-5211-522500	TELEPHONE			839.50			
	100-5241-522500	TELEPHONE			44.39			
	100-5323-522500	TELEPHONE			79.97			
	100-5512-522500	TELEPHONE			154.96			
	150-5221-522500	TELEPHONE			798.30			
	220-5140-522500	TELEPHONE			2.54			
	410-5363-522500	Telephone			5.08			
	440-5511-522500	TELEPHONE			587.33			
	500-5344-522500	Telephone			2.54			
	610-6920-692100	OFFICE SUPPLIES & EXPENSES			43.15			
	620-8400-851000	OFFICE SUPPLIES & EXPENSES			43.15			

# of Invoices:	1	# Due:	0	Totals:	2,951.07	0.00
# of Credit Memos:	0	# Due:	0	Totals:	0.00	0.00

Net of Invoices and Credit Memos:					2,951.07	0.00
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--- TOTALS BY GL DISTRIBUTION ---

100-5120-522500	TELEPHONE	79.17
100-5141-522500	TELEPHONE	87.21
100-5142-522500	TELEPHONE	157.38
100-5144-521900	PROFESSIONAL SERVICES	26.40
100-5211-522500	TELEPHONE	839.50
100-5241-522500	TELEPHONE	44.39
100-5323-522500	TELEPHONE	79.97
100-5512-522500	TELEPHONE	154.96
150-5221-522500	TELEPHONE	798.30
220-5140-522500	TELEPHONE	2.54
410-5363-522500	Telephone	5.08
440-5511-522500	TELEPHONE	587.33
500-5344-522500	Telephone	2.54
610-6920-692100	OFFICE SUPPLIES & EXPENSES	43.15
620-8400-851000	OFFICE SUPPLIES & EXPENSES	43.15

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Inv Num	Vendor	Description	Inv Date	Due Date	Inv Amt	Amt Due	Status	Jrnlized
Inv Ref#		GL Distribution		Entered By				Post Date
		---	TOTALS BY FUND	---				
100	-	GENERAL FUND			1,468.98	0.00		
150	-	FIRE/AMBULANCE FUND			798.30	0.00		
220	-	TID#3 - GENERAL			2.54	0.00		
410	-	RECYCLING FUND			5.08	0.00		
440	-	LIBRARY FUND			587.33	0.00		
500	-	STORM WATER UTILITY			2.54	0.00		
610	-	WATER UTILITY FUND			43.15	0.00		
620	-	SEWER UTILITY FUND			43.15	0.00		
		---	TOTALS BY DEPT/ACTIVITY	---				
5120	-	MUNICIPAL COURT			79.17	0.00		
5140	-	ADMINISTRATIVE & GENERAL			2.54	0.00		
5141	-	VILLAGE ADMINISTRATION/FINA			87.21	0.00		
5142	-	CLERK-TREASURER			157.38	0.00		
5144	-	ELECTIONS			26.40	0.00		
5211	-	POLICE ADMINISTRATION			839.50	0.00		
5221	-	FIRE ADMINISTRATION			798.30	0.00		
5241	-	BUILDING INSPECTOR			44.39	0.00		
5323	-	GARAGE			79.97	0.00		
5344	-	STORM SEWER			2.54	0.00		
5363	-	RECYCLING			5.08	0.00		
5511	-	LIBRARY SERVICES			587.33	0.00		
5512	-	MUSEUM			154.96	0.00		
6920	-	ADMINISTRATIVE & GENERAL EX			43.15	0.00		
8400	-	ADMINISTRATIVE & GENERAL			43.15	0.00		

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date	Due Date Entered By	Inv Amt	Amt Due	Status	Jrnlized Post Date
20200102							
39083	WE ENERGIES 6819-119-729 Hall	01/02/2020	02/05/2020 rgallo	1,044.44	0.00	Paid	Y 01/31/2020
	100-5160-522200 6819-119-729 Hall			1,044.44			
20200102							
39084	WE ENERGIES 6819-119-729 Hall Gas	01/02/2020	02/05/2020 rgallo	352.00	0.00	Paid	Y 01/31/2020
	100-5160-522400 6819-119-729 Hall Gas			352.00			
20200102							
39085	WE ENERGIES 0437-358-622 Flashers	01/02/2020	02/05/2020 rgallo	9.70	0.00	Paid	Y 01/31/2020
	100-5211-522200 0437-358-622 Flashers			9.70			
20200102							
39086	WE ENERGIES 5000-725-767 PD Tower meter #05662	01/02/2020	02/05/2020 rgallo	57.25	0.00	Paid	Y 01/31/2020
	100-5211-522200 5000-725-767 PD Tower meter #05662			57.25			
20200102							
39087	WE ENERGIES 8818-483-919 Tower Radio Bldg	01/02/2020	02/05/2020 rgallo	19.49	0.00	Paid	Y 01/31/2020
	100-5211-522200 8818-483-919 Tower Radio Bldg			19.49			
20200102							
39088	WE ENERGIES 7410-051-890 Police	01/02/2020	02/05/2020 rgallo	1,467.55	0.00	Paid	Y 01/31/2020
	100-5211-522200 7410-051-890 Police			1,467.55			
20200102							
39089	WE ENERGIES 8011-380-768 Police Garage	01/02/2020	02/05/2020 rgallo	101.72	0.00	Paid	Y 01/31/2020
	100-5211-522200 8011-380-768 Police Garage			101.72			
20200102							
39090	WE ENERGIES 7879-450-073 Mukw Dam	01/02/2020	02/05/2020 rgallo	25.54	0.00	Paid	Y 01/31/2020
	100-5254-522200 7879-450-073 Mukw Dam			25.54			
20200102							
39091	WE ENERGIES 3893-949-966 DPW Elec	01/02/2020	02/05/2020 rgallo	566.52	0.00	Paid	Y 01/31/2020
	100-5323-522200 3893-949-966 DPW Elec			566.52			
20200102							
39092	WE ENERGIES 3608-115-165 DPW Gas	01/02/2020	02/05/2020 rgallo	697.15	0.00	Paid	Y 01/31/2020
	100-5323-522400 3608-115-165 DPW Gas			697.15			

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date	Due Date Entered By	Inv Amt	Amt Due	Status	Jrnlized Post Date
20200102							
39093	WE ENERGIES 5001-021-384 Street Lights	01/02/2020	02/05/2020 rgallo	10,937.11	0.00	Paid	Y 01/31/2020
	100-5342-522200 5001-021-384 Street Lights			10,937.11			
20200102							
39094	WE ENERGIES 8808-380-714 Street Lights	01/02/2020	02/05/2020 rgallo	2,888.20	0.00	Paid	Y 01/31/2020
	100-5342-522200 8808-380-714 Street Lights			2,888.20			
20200102							
39095	WE ENERGIES 1438-746-449 Street Lights	01/02/2020	02/05/2020 rgallo	84.92	0.00	Paid	Y 01/31/2020
	100-5342-522200 1438-746-449 Street Lights			84.92			
20200102							
39096	WE ENERGIES 0647-211-550 School Crossing Lights	01/02/2020	02/05/2020 rgallo	19.24	0.00	Paid	Y 01/31/2020
	100-5342-522200 0647-211-550 School Crossing Lights			19.24			
20200102							
39097	WE ENERGIES 0659-874-941 Museum	01/02/2020	02/05/2020 rgallo	286.54	0.00	Paid	Y 01/31/2020
	100-5512-522200 0659-874-941 Museum			286.54			
20200102							
39098	WE ENERGIES 2405-680-633 Andrews St.	01/02/2020	02/05/2020 rgallo	103.38	0.00	Paid	Y 01/31/2020
	100-5521-522200 2405-680-633 Andrews St.			103.38			
20200102							
39099	WE ENERGIES 8046-699-403 Field Park	01/02/2020	02/05/2020 rgallo	118.94	0.00	Paid	Y 01/31/2020
	100-5521-522200 8046-699-403 Field Park			118.94			
20200102							
39100	WE ENERGIES 8658-233-953 Fld Prk Baseball Lights	01/02/2020	02/05/2020 rgallo	30.80	0.00	Paid	Y 01/31/2020
	100-5521-522200 8658-233-953 Fld Prk Baseball Lights			30.80			
20200102							
39101	WE ENERGIES 6837-391-587 Parks	01/02/2020	02/05/2020 rgallo	28.49	0.00	Paid	Y 01/31/2020
	100-5521-522200 6837-391-587 Parks			28.49			
20200102							
39102	WE ENERGIES 5864-823-491 Concession Building	01/02/2020	02/05/2020 rgallo	91.39	0.00	Paid	Y 01/31/2020
	100-5521-522200 5864-823-491 Concession Building			91.39			

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20200102							
39103	WE ENERGIES 2054-702-968 Parks	01/02/2020	02/05/2020 rgallo	0.00	0.00	Paid	Y 01/31/2020
	100-5521-522200 2054-702-968 Parks			0.00			
20200102							
39104	WE ENERGIES 3277-621-318 F. Park Sump Pump	01/02/2020	02/05/2020 rgallo	22.05	0.00	Paid	Y 01/31/2020
	100-5521-522200 3277-621-318 F. Park Sump Pump			22.05			
20200102							
39105	WE ENERGIES 1610-585-380 Parks	01/02/2020	02/05/2020 rgallo	21.37	0.00	Paid	Y 01/31/2020
	100-5521-522200 1610-585-380 Parks			21.37			
20200102							
39106	WE ENERGIES 3051-426-864 Miniwaukan Pavilion	01/02/2020	02/05/2020 rgallo	27.84	0.00	Paid	Y 01/31/2020
	100-5521-522200 3051-426-864 Miniwaukan Pavilion			27.84			
20200102							
39107	WE ENERGIES 6881-040-700 Miniwauken Park	01/02/2020	02/05/2020 rgallo	24.86	0.00	Paid	Y 01/31/2020
	100-5521-522200 6881-040-700 Miniwauken Park			24.86			
20200102							
39108	WE ENERGIES 7698-426-664 Fire	01/02/2020	02/05/2020 rgallo	2,077.77	0.00	Paid	Y 01/31/2020
	150-5221-522200 7698-426-664 Fire			2,077.77			
20200102							
39109	WE ENERGIES 9248-740-506 Library Elec	01/02/2020	02/05/2020 rgallo	2,559.52	0.00	Paid	Y 01/31/2020
	440-5511-522200 9248-740-506 Library Elec			2,559.52			
20200102							
39110	WE ENERGIES 4843-559-306 Library Gas	01/02/2020	02/05/2020 rgallo	1,488.26	0.00	Paid	Y 01/31/2020
	440-5511-522400 4843-559-306 Library Gas			1,488.26			
20200102							
39111	WE ENERGIES 9069-575-087 Well #3 Elec	01/02/2020	02/05/2020 rgallo	496.58	0.00	Paid	Y 01/31/2020
	610-6200-662200 9069-575-087 Well #3 Elec			496.58			
20200102							
39112	WE ENERGIES 4400-457-029 Well #3 Gas	01/02/2020	02/05/2020 rgallo	45.21	0.00	Paid	Y 01/31/2020
	610-6200-662200 4400-457-029 Well #3 Gas			45.21			

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20200102							
39113	WE ENERGIES 2409-366-321 Well #4 Elec	01/02/2020	02/05/2020 rgallo	925.79	0.00	Paid	Y 01/31/2020
	610-6200-662200 2409-366-321 Well #4 Elec			925.79			
20200102							
39114	WE ENERGIES 0465-443-270 Well #4 Gas	01/02/2020	02/05/2020 rgallo	172.84	0.00	Paid	Y 01/31/2020
	610-6200-662200 0465-443-270 Well #4 Gas			172.84			
20200102							
39115	WE ENERGIES 0801-988-732 Well #5	01/02/2020	02/05/2020 rgallo	2,260.82	0.00	Paid	Y 01/31/2020
	610-6200-662200 0801-988-732 Well #5			2,260.82			
20200102							
39116	WE ENERGIES 4607-813-092 Well #6	01/02/2020	02/05/2020 rgallo	1,087.87	0.00	Paid	Y 01/31/2020
	610-6200-662200 4607-813-092 Well #6			1,087.87			
20200102							
39117	WE ENERGIES 3234-559-591 Well #7	01/02/2020	02/05/2020 rgallo	1,903.55	0.00	Paid	Y 01/31/2020
	610-6200-662200 3234-559-591 Well #7			1,903.55			
20200102							
39118	WE ENERGIES 9291-834-028 Greenwald	01/02/2020	02/05/2020 rgallo	286.86	0.00	Paid	Y 01/31/2020
	610-6200-662200 9291-834-028 Greenwald			286.86			
20200102							
39119	WE ENERGIES 8016-691-668 Booster Station	01/02/2020	02/05/2020 rgallo	671.36	0.00	Paid	Y 01/31/2020
	610-6200-662200 8016-691-668 Booster Station			671.36			
20200102							
39120	WE ENERGIES 3068-463-180 Tower	01/02/2020	02/05/2020 rgallo	32.18	0.00	Paid	Y 01/31/2020
	610-6200-662200 3068-463-180 Tower			32.18			
20200102							
39121	WE ENERGIES 7843-678-578 Atkinson Pump	01/02/2020	02/05/2020 rgallo	672.24	0.00	Paid	Y 01/31/2020
	620-8020-821000 7843-678-578 Atkinson Pump			672.24			
20200102							
39122	WE ENERGIES 8238-765-652 Fox River View	01/02/2020	02/05/2020 rgallo	223.39	0.00	Paid	Y 01/31/2020
	620-8020-821000 8238-765-652 Fox River View			223.39			

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20200102							
39123	WE ENERGIES 6478-966-911 1224 Riverton 620-8020-821000	01/02/2020	02/05/2020 rgallo	143.49 143.49	0.00	Paid	Y 01/31/2020
20200102							
39124	WE ENERGIES 8051-462-203 1240 N. Rochester 620-8020-821000	01/02/2020	02/05/2020 rgallo	144.61 144.61	0.00	Paid	Y 01/31/2020
20200102							
39125	WE ENERGIES 7282-806-809 Holz Elec 620-8010-821100	01/02/2020	02/05/2020 rgallo	10,118.82 10,118.82	0.00	Paid	Y 01/31/2020
20200102							
39126	WE ENERGIES 2404-776-809 Holz Gas 620-8010-821200	01/02/2020	02/05/2020 rgallo	173.67 173.67	0.00	Paid	Y 01/31/2020
20200102							
39127	WE ENERGIES 9276-498-259 Digester Gas 620-8010-821200	01/02/2020	02/05/2020 rgallo	2,034.01 2,034.01	0.00	Paid	Y 01/31/2020
20200102							
39128	WE ENERGIES 2008-500-143 Parks-200 S Rochester 100-5342-522200	01/02/2020	02/05/2020 rgallo	38.43 38.43	0.00	Paid	Y 01/31/2020
20200102							
39129	WE ENERGIES 6482-485-554 police-CTH E N of 100-5211-522200	01/02/2020	02/05/2020 rgallo	79.15 79.15	0.00	Paid	Y 01/31/2020

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Inv Ref#		GL Distribution		Entered By				Post Date
# of Invoices:	47	# Due:	0	Totals:	46,662.91	0.00		
# of Credit Memos:	0	# Due:	0	Totals:	0.00	0.00		
Net of Invoices and Credit Memos:					46,662.91	0.00		

--- TOTALS BY GL DISTRIBUTION ---

100-5160-522200	ELECTRIC	1,044.44	
100-5160-522400	GAS	352.00	
100-5211-522200	ELECTRIC	1,734.86	
100-5254-522200	ELECTRIC	25.54	
100-5323-522200	ELECTRIC	566.52	
100-5323-522400	GAS	697.15	
100-5342-522200	ELECTRIC	13,967.90	
100-5512-522200	ELECTRIC	286.54	
100-5521-522200	ELECTRIC	469.12	
150-5221-522200	ELECTRIC	2,077.77	
440-5511-522200	ELECTRIC	2,559.52	
440-5511-522400	GAS	1,488.26	
610-6200-662200	FUEL OR POWER PURCHASED	7,883.06	
620-8010-821100	WWTP ELECTRIC POWER	10,118.82	
620-8010-821200	NAT GAS/ADMIN BLDG/HEAT EXCH	2,207.68	
620-8020-821000	PUMPING POWER & FUEL	1,183.73	

--- TOTALS BY FUND ---

100 - GENERAL FUND	19,144.07	0.00
150 - FIRE/AMBULANCE FUND	2,077.77	0.00
440 - LIBRARY FUND	4,047.78	0.00
610 - WATER UTILITY FUND	7,883.06	0.00
620 - SEWER UTILITY FUND	13,510.23	0.00

--- TOTALS BY DEPT/ACTIVITY ---

5160 - VILLAGE HALL	1,396.44	0.00
5211 - POLICE ADMINISTRATION	1,734.86	0.00
5221 - FIRE ADMINISTRATION	2,077.77	0.00
5254 - DAMS	25.54	0.00
5323 - GARAGE	1,263.67	0.00
5342 - STREET LIGHTING	13,967.90	0.00
5511 - LIBRARY SERVICES	4,047.78	0.00
5512 - MUSEUM	286.54	0.00
5521 - PARKS	469.12	0.00
6200 - PUMPING OPERATIONS	7,883.06	0.00
8010 - WWTP-TREATMENT/DISPOSAL/GP	12,326.50	0.00
8020 - LIFT STATIONS/PUMPING EQUIP	1,183.73	0.00

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Purchase Card Vendor: 0002 US BANK							
38763	BITTNER RONALD WISCONSIN ARBORISTS ASSO 2020 ANNUAL CONFERENCE 100-5323-533500	01/01/2020	01/24/2020 rgallo	245.00 245.00	0.00	Paid	Y 01/01/2020
38764	BITTNER RONALD HEIN ELECTRIC SUPPLY CO EXTERIOR LED LIGHTING FIXTURES 100-5160-531100 100-5521-531100	01/03/2020	01/24/2020 rgallo	191.55 91.19 100.36	0.00	Paid	Y 01/03/2020
38765	BITTNER RONALD HEIN ELECTRIC SUPPLY CO VILLAGE HALL FLAG LIGHT 100-5160-539500	01/06/2020	01/24/2020 rgallo	91.19 91.19	0.00	Paid	Y 01/06/2020
38766	BITTNER RONALD WM SUPERCENTER #1571 SAFTEY ICE CREEPERS 100-5323-534800	01/11/2020	01/24/2020 rgallo	41.02 41.02	0.00	Paid	Y 01/11/2020
38767	BITTNER RONALD AMZN MKTP US*5099G92G3 SNOW BLOWER PARTS 100-5324-539500	01/12/2020	01/24/2020 rgallo	144.55 144.55	0.00	Paid	Y 01/12/2020
38768	DELIKAT CODY AMZN MKTP US*GS04X1G43 WATER COMPUTOR CASE 610-6920-692100	12/31/2019	01/24/2020 rgallo	44.98 44.98	0.00	Paid	Y 12/31/2019
38769	DELIKAT CODY AMZN MKTP US*DW1F284A3 COMPUTOR CASE SURFACE PRO 610-6920-692100	12/31/2019	01/24/2020 rgallo	88.00 88.00	0.00	Paid	Y 12/31/2019
38770	DELIKAT CODY USPS PO 5657100149 WATER SAMPLES 610-6300-663200	01/07/2020	01/24/2020 rgallo	3.66 3.66	0.00	Paid	Y 01/07/2020
38771	DELIKAT CODY AMZN MKTP US*WV5YI7473 MAP RACK 620-8010-827000	01/09/2020	01/24/2020 rgallo	266.13 266.13	0.00	Paid	Y 01/09/2020

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Purchase Card Vendor: 0002 US BANK							
DELIKAT CODY							
38772	OFFICEMAX/DEPOT 6747	01/10/2020	01/24/2020	32.99	0.00	Paid	Y
	WIRELESS KEYBOARD FOR COMPUTER		rgallo				01/10/2020
	610-6920-692100	OFFICE SUPPLIES & EXPENSES		32.99			
DELIKAT CODY							
38773	AMZN MKTP US*KE87A6813	01/12/2020	01/24/2020	733.24	0.00	Paid	Y
	MAP RACKS		rgallo				01/12/2020
	620-8010-827000	OPERATION SUPPLY/EXPENSE		733.24			
DEMOTTO CHRIS							
38774	FBI LEEDA INC	01/03/2020	01/24/2020	695.00	0.00	Paid	Y
	LT DEMOTTO FBI LAW ENFORCEMENT		rgallo				01/03/2020
	100-5213-533500	TRAINING & TRAVEL		695.00			
DOHERTY DIANA							
38775	LOCAL GOVERNMENT EDUCATIO	01/07/2020	01/24/2020	489.00	0.00	Paid	Y
	YEAR 3 TREASURER TRAINING - GREEN		rgallo				01/07/2020
	100-5141-533500	TRAINING & TRAVEL		489.00			
DYKSTRA DIANA							
38776	AMZN MKTP US*7Y3W31BI3	12/31/2019	01/24/2020	10.99	0.00	Paid	Y
	SCREEN PROTECTOR		rgallo				12/31/2019
	100-5632-531100	SUPPLIES		10.99			
DYKSTRA DIANA							
38777	WAL-MART #1571	01/02/2020	01/24/2020	6.48	0.00	Paid	Y
	EMPLOYEE BANQUET		rgallo				01/02/2020
	100-5141-539800	EMPLOYEE RECOGNITION		6.48			
DYKSTRA DIANA							
38778	AMZN MKTP US*4G0L968H3	01/08/2020	01/24/2020	13.65	0.00	Paid	Y
	GIFT BOXES FOR EMPLOYEE BANQUET		rgallo				01/08/2020
	100-5141-539800	EMPLOYEE RECOGNITION		13.65			
DYKSTRA DIANA							
38779	AMZN MKTP US*O18MG46P3	01/15/2020	01/24/2020	14.68	0.00	Paid	Y
	FILE ORGANIZER		rgallo				01/15/2020
	100-5142-531100	FILE ORGANIZER		14.68			
FRISCH LAURA L							
38780	WAL-MART #1571	12/31/2019	01/24/2020	63.74	0.00	Paid	Y
	PROGRAM SUPPLIES		rgallo				12/31/2019
	440-5890-580600	DONATED FUND EXPENDITURES		63.74			

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GL Distribution								
Purchase Card Vendor: 0002 US BANK								
38781	FRISCH LAURA L WM SUPERCENTER #1571	PROGRAM SUPPLIES	12/31/2019	01/24/2020 rgallo	94.89	0.00	Paid	Y 12/31/2019
	440-5890-580600	DONATED FUND EXPENDITURES			94.89			
38782	FRISCH LAURA L FACEBK *G2XBKNJY82	ADVERTISEMENT	12/31/2019	01/24/2020 rgallo	15.01	0.00	Paid	Y 12/31/2019
	440-5890-580600	DONATED FUND EXPENDITURES			15.01			
38783	FRISCH LAURA L ROMA S RISTORANTE & LOUNG	STAFF PARTY	12/31/2019	01/24/2020 rgallo	189.52	0.00	Paid	Y 12/31/2019
	440-5890-580600	DONATED FUND EXPENDITURES			189.52			
38784	FRISCH LAURA L D J*WALL-ST-JOURNAL	2020 SUBSCRIPTION	12/31/2019	01/24/2020 rgallo	128.97	0.00	Paid	Y 01/09/2020
	440-5511-532700	NEWSPAPERS			128.97			
38785	FRISCH LAURA L STAPLS0180213802000001	PAPER PRODUCTS	12/31/2019	01/24/2020 rgallo	28.79	0.00	Paid	Y 12/31/2019
	440-5511-531100	SUPPLIES			28.79			
38786	FRISCH LAURA L WM SUPERCENTER #1571	PROGRAM SUPPLIES	12/31/2019	01/24/2020 rgallo	9.72	0.00	Paid	Y 12/31/2019
	440-5890-580600	DONATED FUND EXPENDITURES			9.72			
38787	FRISCH LAURA L MAILCHIMP *MONTHLY	NEWSLETTER	01/08/2020	01/24/2020 rgallo	59.99	0.00	Paid	Y 01/08/2020
	440-5511-531000	OUTSIDE SERVICES			59.99			
38788	FRISCH LAURA L MICHAELS STORES 1606	PROGRAM SUPPLIES MEDIA CLASS	01/08/2020	01/24/2020 rgallo	132.79	0.00	Paid	Y 01/08/2020
	440-5511-533100	PROGRAMMING			132.79			
38789	DYKSTRA DIANA VISTAPR*VISTAPRINT.COM	V.PRES BUSINESS CARDS	01/14/2020	01/24/2020 rgallo	30.05	0.00	Paid	Y 01/14/2020
	100-5111-531100	V.PRES BUSINESS CARDS			30.05			

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Purchase Card Vendor: 0002 US BANK								
ISELY MARY JO 38790	AMAZON.COM*K185I7KR3	AMZN DVD	12/31/2019	01/24/2020 rgallo	99.53	0.00	Paid	Y 12/31/2019
	440-5700-532900	AV MATERIAL			99.53			
ISELY MARY JO 38791	AMAZON.COM*PX39A2413	TELESCOPE	12/31/2019	01/24/2020 rgallo	254.21	0.00	Paid	Y 12/31/2019
	440-5890-580600	DONATED FUND EXPENDITURES			254.21			
ISELY MARY JO 38792	AMZN MKTP US*H11KI5YA3	BOOKS	12/31/2019	01/24/2020 rgallo	75.15	0.00	Paid	Y 12/31/2019
	440-5700-532800	BOOKS			75.15			
ISELY MARY JO 38793	AMAZON.COM*FS7F565C3	KARAOKE CASE	12/31/2019	01/24/2020 rgallo	34.99	0.00	Paid	Y 12/31/2019
	440-5890-580600	DONATED FUND EXPENDITURES			34.99			
ISELY MARY JO 38794	AMAZON.COM*SR7310A93	DVD	12/31/2019	01/24/2020 rgallo	55.03	0.00	Paid	Y 12/31/2019
	440-5700-532900	AV MATERIAL			55.03			
ISELY MARY JO 38795	AMAZON.COM*SI7WS1BC3	DVD	12/31/2019	01/24/2020 rgallo	127.18	0.00	Paid	Y 12/31/2019
	440-5700-532900	AV MATERIAL			127.18			
ISELY MARY JO 38796	AMZN MKTP US*W262C8RB3	DVD	12/31/2019	01/24/2020 rgallo	248.67	0.00	Paid	Y 12/31/2019
	440-5700-532900	AV MATERIAL			248.67			
ISELY MARY JO 38797	AMZN MKTP US*S57BL9B63	DVD	12/31/2019	01/24/2020 rgallo	103.71	0.00	Paid	Y 12/31/2019
	440-5700-532900	AV MATERIAL			103.71			
ISELY MARY JO 38798	NETFLIX.COM	STREAMING SERVICES	01/01/2020	01/24/2020 rgallo	15.99	0.00	Paid	Y 01/01/2020
	440-5511-534000	DIGITAL MATERIALS			15.99			

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Purchase Card Vendor: 0002 US BANK							
ISELY MARY JO 38799	KINDLE SVCS*2L8252TX3 KINDLE BOOK 440-5700-532800	01/05/2020	01/24/2020 rgallo	14.70 14.70	0.00	Paid	Y 01/05/2020
ISELY MARY JO 38800	AMZN DIGITAL*NX5UY4VZ3 KINDLE BOOK 440-5700-532800	01/05/2020	01/24/2020 rgallo	15.75 15.75	0.00	Paid	Y 01/05/2020
ISELY MARY JO 38801	KINDLE SVCS*MC3VB23R3 KINDLE BOOK 440-5700-532800	01/05/2020	01/24/2020 rgallo	14.70 14.70	0.00	Paid	Y 01/05/2020
ISELY MARY JO 38802	AMZN DIGITAL*U55BH5M93 KINDLE BOOK 440-5700-532800	01/05/2020	01/24/2020 rgallo	15.75 15.75	0.00	Paid	Y 01/05/2020
ISELY MARY JO 38803	AMZN DIGITAL*O82ZS3HW3 KINDLE BOOK 440-5700-532800	01/05/2020	01/24/2020 rgallo	15.75 15.75	0.00	Paid	Y 01/05/2020
ISELY MARY JO 38804	AMZN DIGITAL*QI6EK94V3 KINDLE BOOK 440-5700-532800	01/05/2020	01/24/2020 rgallo	15.75 15.75	0.00	Paid	Y 01/05/2020
ISELY MARY JO 38805	AMZN DIGITAL*6C6SJ9HT3 KINDLE BOOK 440-5700-532800	01/05/2020	01/24/2020 rgallo	14.70 14.70	0.00	Paid	Y 01/05/2020
ISELY MARY JO 38806	KINDLE SVCS*T667S0ZT3 KINDLE BOOK 440-5700-532800	01/06/2020	01/24/2020 rgallo	14.70 14.70	0.00	Paid	Y 01/06/2020
ISELY MARY JO 38807	AMZN DIGITAL*5Z3546BI3 KINDLE BOOK 440-5700-532800	01/07/2020	01/24/2020 rgallo	13.65 13.65	0.00	Paid	Y 01/07/2020

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Purchase Card Vendor: 0002 US BANK							
ISELY MARY JO 38808	AMAZON.COM*7F1KC0S73 CASE FOR TELESCOPE 440-5511-533000	01/07/2020	01/24/2020 rgallo	87.19 87.19	0.00	Paid	Y 01/07/2020
ISELY MARY JO 38809	AMAZON.COM REFUND ON CASE 440-5511-533000	01/08/2020	01/24/2020 rgallo	(5.78) (5.78)	0.00	Paid	Y 01/08/2020
ISELY MARY JO 38810	ACORN TV MONTHLY MONTHLY FEE 440-5511-534000	01/08/2020	01/24/2020 rgallo	6.29 6.29	0.00	Paid	Y 01/08/2020
ISELY MARY JO 38811	AMZN MKTP US*DR8C311E3 BOOKS 440-5700-532800	01/10/2020	01/24/2020 rgallo	11.97 11.97	0.00	Paid	Y 01/10/2020
ISELY MARY JO 38812	AMZN MKTP US*5F3HZ8DX3 BOOKS 440-5700-532800	01/11/2020	01/24/2020 rgallo	17.89 17.89	0.00	Paid	Y 01/11/2020
ISELY MARY JO 38813	AMZN MKTP US*SX23B5IG3 BOOKS 440-5700-532800	01/11/2020	01/24/2020 rgallo	11.79 11.79	0.00	Paid	Y 01/11/2020
ISELY MARY JO 38814	AMZN MKTP US*A92GJ5VE3 BOOKS 440-5700-532800	01/12/2020	01/24/2020 rgallo	24.54 24.54	0.00	Paid	Y 01/12/2020
ISELY MARY JO 38815	AMZN MKTP US*TO7QG1MM3 BOOKS 440-5700-532800	01/12/2020	01/24/2020 rgallo	18.94 18.94	0.00	Paid	Y 01/12/2020
ISELY MARY JO 38816	AMAZON.COM*706SH0TL3 BOOKS 440-5700-532800	01/13/2020	01/24/2020 rgallo	23.98 23.98	0.00	Paid	Y 01/13/2020

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Purchase Card Vendor: 0002 US BANK							
ISELY MARY JO 38817	AMZN MKTP US*M98731ER2 BOOKS 440-5700-532800	01/14/2020	01/24/2020 rgallo	19.20 19.20	0.00	Paid	Y 01/14/2020
MILLER KENNETH 38818	THE HOME DEPOT 4921 WWTF PRIMARY GEARBOX COVER 620-8010-833000	12/31/2019	01/24/2020 rgallo	100.55 100.55	0.00	Paid	Y 12/31/2019
MILLER KENNETH 38819	THE HOME DEPOT #4921 WWTF DIGESTER REPAIRS 620-8010-833000	12/31/2019	01/24/2020 rgallo	27.54 27.54	0.00	Paid	Y 12/31/2019
MILLER KENNETH 38820	RIVER S EDGE WASH & LUBE TRUCK OIL CHANGE 610-6920-693300	12/31/2019	01/24/2020 rgallo	68.24 68.24	0.00	Paid	Y 12/31/2019
MILLER KENNETH 38821	WM SUPERCENTER #1571 OFFICE DAILY PLANNERS 620-8400-851000	01/03/2020	01/24/2020 rgallo	51.71 51.71	0.00	Paid	Y 01/03/2020
MILLER KENNETH 38822	THE HOME DEPOT #4921 WELL 4 ELECTRICAL WALL PLATE 610-6310-663500	01/07/2020	01/24/2020 rgallo	1.67 1.67	0.00	Paid	Y 01/07/2020
MILLER KENNETH 38823	THE HOME DEPOT #4921 WWTF DIGESTER REPAIRS 620-8010-833000	01/08/2020	01/24/2020 rgallo	3.48 3.48	0.00	Paid	Y 01/08/2020
MILLER KENNETH 38824	NEWARK US 00000075 WELL 4 FLOW SWITCH 610-6210-662500	01/09/2020	01/24/2020 rgallo	16.13 16.13	0.00	Paid	Y 01/09/2020
MILLER KENNETH 38825	THE HOME DEPOT #4921 PUMP PARTS WWTF 620-8010-827000	01/09/2020	01/24/2020 rgallo	19.81 19.81	0.00	Paid	Y 01/09/2020
	OPERATION SUPPLY/EXPENSE						

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PETERSON RANDY 38826	MENARDS BURLINGTON WI MISC SHOP SUPPLIES 100-5323-531100	01/08/2020	01/24/2020 rgallo	270.47 270.47	0.00	Paid	Y 01/08/2020
PETERSON RANDY 38827	MILL SUPPLY INC PLOW MOTOR 100-5324-539500	01/14/2020	01/24/2020 rgallo	117.47 117.47	0.00	Paid	Y 01/14/2020
SCHMIDT KEVIN B 38828	PAYPAL *BLOOMSINBLO FLOWERS FROM DEPARTMENT FOR RETIRED 100-5211-539900	12/31/2019	01/24/2020 rgallo	104.28 104.28	0.00	Paid	Y 12/31/2019
SCHMIDT KEVIN B 38829	UNIFI EQUIPMENT FINANCE MONTHLY LEASE OF COPY MACHINE 100-5211-521900	01/02/2020	01/24/2020 rgallo	86.25 86.25	0.00	Paid	Y 01/02/2020
SCHMIDT KEVIN B 38830	BOY SCOUTS OF AMERICA POT EXPLORER POST #429 2020 FEES 100-5212-521900	01/02/2020	01/24/2020 rgallo	399.36 399.36	0.00	Paid	Y 01/02/2020
SCHMIDT KEVIN B 38831	WISCONSIN CHIEFS OF POLIC CHIEF SCHMIDT'S 2020 WISCONSIN CHIEF 100-5211-532400	01/02/2020	01/24/2020 rgallo	130.00 130.00	0.00	Paid	Y 01/02/2020
SCHMIDT KEVIN B 38832	WISCONSIN POLICE LEADERSH CHIEF SCHMIDT'S STATE CHIEFS 100-5211-533500	01/02/2020	01/24/2020 rgallo	305.00 305.00	0.00	Paid	Y 01/02/2020
SCHMIDT KEVIN B 38833	KALAHARI RESORT - WI ECOM CHIEF SCHMIDT HOTEL ROOM FOR CHIEF 100-5211-533500	01/02/2020	01/24/2020 rgallo	109.00 109.00	0.00	Paid	Y 01/02/2020
SCHMIDT KEVIN B 38834	STAPLS0180434325000001 TONER FOR DISPATCH PRINTER & #10 100-5211-531100	01/07/2020	01/24/2020 rgallo	259.38 259.38	0.00	Paid	Y 01/07/2020

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Purchase Card Vendor: 0002 US BANK							
SCHMIDT KEVIN B 38835	STAPLS0180672574000001 4 CASES OF HAND PAPER TOWELS AND 2 100-5211-531100	01/14/2020	01/24/2020 rgallo	75.76 75.76	0.00	Paid	Y 01/14/2020
STIEN JEFFREY R 38836	LABOR LAW POSTERS LABOR POSTERS 150-5221-531100	01/07/2020	01/24/2020 rgallo	172.00 172.00	0.00	Paid	Y 01/07/2020
STIEN JEFFREY R 38837	ACE HARDWARE CORPORATION LED LIGHT TOWERS 150-5222-531100	01/14/2020	01/24/2020 rgallo	630.57 630.57	0.00	Paid	Y 01/14/2020
STIEN JEFFREY R 38838	WM SUPERCENTER #1571 SUPPLIES 150-5222-531100	01/14/2020	01/24/2020 rgallo	32.17 32.17	0.00	Paid	Y 01/14/2020
STREIT DANIEL 38839	AMZN MKTP US*IE17N88E3 CONNECTORS FOR EOC ROOM AT VILLAGE 430-5700-571100	12/31/2019	01/24/2020 rgallo	29.99 29.99	0.00	Paid	Y 12/31/2019
STREIT DANIEL 38840	AMZN MKTP US*954YA2S23 ITEMS FOR EOC AT VILLAGE HALL 430-5700-571100	12/31/2019	01/24/2020 rgallo	12.99 12.99	0.00	Paid	Y 12/31/2019
STREIT DANIEL 38841	PAYPAL *WICCA INC LT STREIT'S WISC COMMAND COLLEGE 100-5211-532400	01/06/2020	01/24/2020 rgallo	30.00 30.00	0.00	Paid	Y 01/06/2020
STREIT DANIEL 38842	WISCONSIN POLICE LEADERSH LT STREIT WISC POLICE LEADERSHIP 100-5211-533500	01/06/2020	01/24/2020 rgallo	200.00 200.00	0.00	Paid	Y 01/06/2020
STREIT DANIEL 38843	KALAHARI RESORT - WI ECOM LT STREIT'S HOTEL ROOM FOR WI POLICE 100-5211-533500	01/06/2020	01/24/2020 rgallo	91.00 91.00	0.00	Paid	Y 01/06/2020

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38844	STREIT DANIEL WISCONSIN ASSOCIATION FOR WISCONSIN ASSOCIATION OF 100-5213-532400 MEMBERSHIP DUES	01/06/2020	01/24/2020 rgallo	20.00 20.00	0.00	Paid	Y 01/06/2020
38845	STREIT DANIEL NATW NATW.ORG NATIONAL ASSOCIATION OF TOWN WATCH 100-5213-532400 MEMBERSHIP DUES	01/07/2020	01/24/2020 rgallo	35.00 35.00	0.00	Paid	Y 01/07/2020
38846	STREIT DANIEL WISCONSIN CHIEFS OF POLIC LT STREIT'S WISC CHIEF OF POLICE 100-5211-532400 MEMBERSHIP DUES	01/07/2020	01/24/2020 rgallo	80.00 80.00	0.00	Paid	Y 01/07/2020
38847	STREIT DANIEL APCO INTERNATIONAL INC APCO MEMBERSHIP FOR DISPATCHERS 100-5211-532400 MEMBERSHIP DUES	01/09/2020	01/24/2020 rgallo	339.00 339.00	0.00	Paid	Y 01/09/2020
38848	STREIT DANIEL NENA NATIONAL EMERGENCY NUMBER 100-5211-521900 PROFESSIONAL SERVICES	01/10/2020	01/24/2020 rgallo	142.00 142.00	0.00	Paid	Y 01/10/2020
38849	STREIT DANIEL APCO INTERNATIONAL INC 3 MEMBERSHIPS FOR EMD ONLINE COURSES 100-5215-533500 TRAINING & TRAVEL	01/10/2020	01/24/2020 rgallo	1,257.00 1,257.00	0.00	Paid	Y 01/10/2020
38850	STREIT DANIEL AMAZON.COM*L13XS5N13 3 - 256GB FLASH DRIVES 100-5213-531100 SUPPLIES	01/12/2020	01/24/2020 rgallo	98.97 98.97	0.00	Paid	Y 01/12/2020
38851	STREIT DANIEL AMZN MKTP US*IR9WJ68D3 USB CORD, CHARGER FOR SQUAD PRINTER, 100-5213-531100 SUPPLIES	01/13/2020	01/24/2020 rgallo	35.87 35.87	0.00	Paid	Y 01/13/2020
38852	STREIT DANIEL AMZN MKTP US*VU66N6GM3 ZIP TIES FOR WIRING IN SQUADS 100-5212-531100 SUPPLIES	01/14/2020	01/24/2020 rgallo	14.99 14.99	0.00	Paid	Y 01/14/2020

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Purchase Card Vendor: 0002 US BANK							
38853	STREIT DANIEL AMZN MKTP US*OO19H3EF3 REPLACEMENT USB CORD FOR SQUAD 100-5212-539500	01/14/2020	01/24/2020 rgallo	15.31 15.31	0.00	Paid	Y 01/14/2020
38854	SURA MATTHEW J LIFE ASSIST INC EMS SUPPLIES 150-5231-531100	12/31/2019	01/24/2020 rgallo	141.00 141.00	0.00	Paid	Y 12/31/2019
38855	SURA MATTHEW J IDENTIFIRE SCBA HARNESS ACCOUNTABILITY SYSTEM 430-5700-571300	01/02/2020	01/24/2020 rgallo	2,937.60 2,937.60	0.00	Paid	Y 01/02/2020
38856	SURA MATTHEW J IDENTIFIRE SCBA FACE MASK NAME TAGS 430-5700-571300	01/02/2020	01/24/2020 rgallo	497.61 497.61	0.00	Paid	Y 01/02/2020
38857	SURA MATTHEW J AMAZON.COM*M18BY5QF3 TRAINING SUPPLIES 150-5223-531100	01/02/2020	01/24/2020 rgallo	105.43 105.43	0.00	Paid	Y 01/02/2020
38858	SURA MATTHEW J ZOOM.US ZOOM TRAINING 150-5223-533500 150-5232-533500	01/03/2020	01/24/2020 rgallo	157.40 78.70 78.70	0.00	Paid	Y 01/03/2020
38859	SURA MATTHEW J MICROSOFT*OFFICE 365 HOME MICROSOFT OFFICE 365 150-5221-531100	01/05/2020	01/24/2020 rgallo	105.09 105.09	0.00	Paid	Y 01/05/2020
38860	SURA MATTHEW J AMZN MKTP US*2L06Y0BG3 TRAINING SUPPLIES 150-5223-531100	01/05/2020	01/24/2020 rgallo	23.52 23.52	0.00	Paid	Y 01/05/2020
38861	WEGNER ANDREW P I/O SOLUTIONS, INC. ENTRY LEVEL ONLINE EXAMS 150-5221-521900	12/31/2019	01/24/2020 rgallo	150.00 150.00	0.00	Paid	Y 12/31/2019

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38862	WEGNER LEE MENARDS BURLINGTON WI FIRE DEPAT. CEILING TILE 100-5220-539400	01/09/2020	01/24/2020 rgallo	143.82 143.82	0.00	Paid	Y 01/09/2020
38863	WEIDL JOHN S AMAZON.COM*KJ6063JU3 AMZN FIRE EXTINGUISHER SPRAY VH 100-5141-531100	12/31/2019	01/24/2020 rgallo	46.04 46.04	0.00	Paid	Y 12/31/2019
38864	WEIDL JOHN S E AND S SWEETS ROTARY CLUB - XMAS FAMILY 100-5141-539900	12/31/2019	01/24/2020 rgallo	55.96 55.96	0.00	Paid	Y 12/31/2019
38865	WEIDL JOHN S SQ *ESPRESSO LOVE C DEVELOPMENT MEETING 100-5670-533500	12/31/2019	01/24/2020 rgallo	5.50 5.50	0.00	Paid	Y 12/31/2019
38866	WEIDL JOHN S SQ *2894 ON MAIN DEVELOPMENT MEETING 100-5670-533500	12/31/2019	01/24/2020 rgallo	13.46 13.46	0.00	Paid	Y 12/31/2019
38867	WEIDL JOHN S ELEGANT FARMER STAFF XMAS 100-5141-539900	12/31/2019	01/24/2020 rgallo	15.96 15.96	0.00	Paid	Y 12/31/2019
38868	WEIDL JOHN S E AND S SWEETS CHAMBER XMAS GIFT 100-5670-521900	12/31/2019	01/24/2020 rgallo	157.64 157.64	0.00	Paid	Y 12/31/2019
38869	WEIDL JOHN S LAKELAND BAKERY SMALL BUSINESS XMAS GIFTS 100-5670-521900	12/31/2019	01/24/2020 rgallo	37.90 37.90	0.00	Paid	Y 12/31/2019
38870	WEIDL JOHN S DAVID ALAN ALAN S SMOKEHO SMALL BUSINESS XMAS GIFT 100-5670-521900	12/31/2019	01/24/2020 rgallo	50.00 50.00	0.00	Paid	Y 12/31/2019

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38871	WEIDL JOHN S BOOKTIX NOW LLC JOHN MCGIVERN TIX 100-5670-521500 100-5670-521900	01/04/2020	01/24/2020 rgallo	256.00 70.00 186.00	0.00	Paid	Y 01/04/2020
38872	WEIDL JOHN S FLEET FARM 5400 VH SNACKS 100-5141-531100	01/06/2020	01/24/2020 rgallo	35.03 35.03	0.00	Paid	Y 01/06/2020
38873	WEIDL JOHN S STONE EAGLE TAVERN ROCKFORD ECONOMIC DEVELOPMENT TRIP 100-5670-533500	01/06/2020	01/24/2020 rgallo	31.51 31.51	0.00	Paid	Y 01/06/2020
38874	WEIDL JOHN S LONGHORN STEAK 0125512 ROCKFORD/BELEVEDERE/JANESVILLE ED 100-5670-533500	01/07/2020	01/24/2020 rgallo	77.69 77.69	0.00	Paid	Y 01/07/2020
38875	WEIDL JOHN S PIERCE TAVERN NW SUBURBS IL ED TRIP 100-5670-533500	01/07/2020	01/24/2020 rgallo	63.41 63.41	0.00	Paid	Y 01/07/2020
38876	WEIDL JOHN S ANOTHER ROUND BAR & GRILL NW SUBURBS ED TRIP 100-5670-533500	01/07/2020	01/24/2020 rgallo	55.33 55.33	0.00	Paid	Y 01/07/2020
38877	WEIDL JOHN S EB TDCON20 DEVELOPING DEVELOPMENT CONFERENCE 100-5670-533500	01/08/2020	01/24/2020 rgallo	99.00 99.00	0.00	Paid	Y 01/08/2020
38878	WEIDL JOHN S NEXT DOOR PUB DEVELOPER MEETING 100-5141-533500	01/10/2020	01/24/2020 rgallo	44.93 44.93	0.00	Paid	Y 01/10/2020
38879	WEIDL JOHN S AMZN MKTP US*030ZW7403 IPAD HDMI CONVERTER 100-5141-531100	01/13/2020	01/24/2020 rgallo	18.50 18.50	0.00	Paid	Y 01/13/2020

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38880	WEIDL JOHN S SQ *ESPRESSO LOVE C US CONGRESS BALDWIN MEETING 100-5141-533500	01/13/2020	01/24/2020 rgallo	15.60 15.60	0.00	Paid	Y 01/13/2020
38881	ZIMMERMANN ANGE AMZN MKTP US*DY5JC0CH3 ROBOTIC PETS 440-5890-580600	12/31/2019	01/24/2020 rgallo	20.82 20.82	0.00	Paid	Y 12/31/2019
38882	ZIMMERMANN ANGE AMAZON.COM*I85VL8OZ3 BIBLIOSTYLE 440-5890-580600	12/31/2019	01/24/2020 rgallo	26.98 26.98	0.00	Paid	Y 12/31/2019
38883	ZIMMERMANN ANGE AMZN MKTP US*XR8Y201Z3 AM PROGRAM SUPPLIES 440-5890-580600	12/31/2019	01/24/2020 rgallo	76.92 76.92	0.00	Paid	Y 12/31/2019
38884	ZIMMERMANN ANGE WM SUPERCENTER #1571 PROGRAM SUPPLIES 440-5890-580600	12/31/2019	01/24/2020 rgallo	12.80 12.80	0.00	Paid	Y 12/31/2019
38885	ZIMMERMANN ANGE AMAZON.COM*O48JA1MR3 PROGRAM SUPPLIES 440-5890-580600	12/31/2019	01/24/2020 rgallo	59.95 59.95	0.00	Paid	Y 12/31/2019
38886	ZIMMERMANN ANGE SOUTHWES 5262157170865 FLIGHT TO PLA CONVENTION 440-5511-533500	01/06/2020	01/24/2020 rgallo	234.96 234.96	0.00	Paid	Y 01/06/2020
38887	ZIMMERMANN ANGE ADOBE IL CREATIVE CLD ILLUSTRATOR 440-5511-534000	01/09/2020	01/24/2020 rgallo	22.06 22.06	0.00	Paid	Y 01/09/2020
38888	ZIMMERMANN ANGE AMZN MKTP US*PL4V258T3 PROGRAM SUPPLIES 440-5890-580600	01/09/2020	01/24/2020 rgallo	7.41 7.41	0.00	Paid	Y 01/09/2020

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Purchase Card Vendor: 0002 US BANK							
38889	ZIMMERMANN ANGE CONLEY MEDIA LLC ADVERTISMENT 440-5890-580600	01/10/2020	01/24/2020 rgallo	1,674.28 1,674.28	0.00	Paid	Y 01/10/2020
38890	ZIMMERMANN ANGE ADOBE CREATIVE CLOUD CREATIVE CLOUD APP 440-5511-534000	01/11/2020	01/24/2020 rgallo	84.07 84.07	0.00	Paid	Y 01/11/2020
38891	ZIMMERMANN ANGE AMAZON.COM*BA9ZA7RY3 GAMES 440-5890-580600	01/14/2020	01/24/2020 rgallo	59.22 59.22	0.00	Paid	Y 01/14/2020
38892	ZIMMERMANN ANGE AMAZON.COM*IM7X46RG3 PROGRAM SUPPLIES 440-5890-580600	01/14/2020	01/24/2020 rgallo	39.67 39.67	0.00	Paid	Y 01/14/2020
38893	ZIMMERMANN ANGE AMZN MKTP US*IC0629Q73 PROGRAM SUPPLIES 440-5890-580600	01/14/2020	01/24/2020 rgallo	32.99 32.99	0.00	Paid	Y 01/14/2020
38894	ZIMMERMANN ANGE AMZN MKTP US*4P3Q48DZ3 PROGRAM SUPPLIES 440-5890-580600	01/14/2020	01/24/2020 rgallo	371.31 371.31	0.00	Paid	Y 01/14/2020
38895	ZIMMERMANN ANGE AMZN MKTP US*482285MU3 SOLDERING TOOLS 440-5511-531400	01/15/2020	01/24/2020 rgallo	39.84 39.84	0.00	Paid	Y 01/15/2020
Total Purchase Card Vendor: 0002 US BANK				18,718.67	0.00		
# of Invoices: 132 # Due: 0 Totals:				18,724.45	0.00		
# of Credit Memos: 1 # Due: 0 Totals:				(5.78)	0.00		
Net of Invoices and Credit Memos:				18,718.67	0.00		

--- TOTALS BY GL DISTRIBUTION ---

100-5111-531100

SUPPLIES

30.05

INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 01/24/2020 - 01/24/2020

JOURNALIZED PAID

BANK CODE: GEN VENDOR CODE: MISCCC - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD

SORTED BY CARDHOLDER

Inv Num Inv Ref#	Vendor	Description	Inv Date	Due Date Entered By	Inv Amt	Amt Due	Status	Jrnalized Post Date
		GL Distribution						
	100-5141-531100	SUPPLIES			99.57			
	100-5141-533500	TRAINING & TRAVEL			549.53			
	100-5141-539800	EMPLOYEE RECOGNITION			20.13			
	100-5141-539900	OTHER			71.92			
	100-5142-531100	SUPPLIES			14.68			
	100-5160-531100	SUPPLIES			91.19			
	100-5160-539500	REPAIRS & MAINTENANCE			91.19			
	100-5211-521900	PROFESSIONAL SERVICES			228.25			
	100-5211-531100	SUPPLIES			335.14			
	100-5211-532400	MEMBERSHIP DUES			579.00			
	100-5211-533500	TRAINING & TRAVEL			705.00			
	100-5211-539900	OTHER			104.28			
	100-5212-521900	PROFESSIONAL SERVICES			399.36			
	100-5212-531100	SUPPLIES			14.99			
	100-5212-539500	REPAIRS & MAINTENANCE			15.31			
	100-5213-531100	SUPPLIES			134.84			
	100-5213-532400	MEMBERSHIP DUES			55.00			
	100-5213-533500	TRAINING & TRAVEL			695.00			
	100-5215-533500	TRAINING & TRAVEL			1,257.00			
	100-5220-539400	BLDG REPAIRS & MAINTENANCE			143.82			
	100-5323-531100	SUPPLIES			270.47			
	100-5323-533500	TRAINING & TRAVEL			245.00			
	100-5323-534800	SAFETY SUPPLIES			41.02			
	100-5324-539500	REPAIRS & MAINTENANCE			262.02			
	100-5521-531100	SUPPLIES			100.36			
	100-5632-531100	SUPPLIES			10.99			
	100-5670-521500	DSPSC EXPENSES			70.00			
	100-5670-521900	PROFESSIONAL SERVICES			431.54			
	100-5670-533500	TRAINING & TRAVEL			345.90			
	150-5221-521900	PROFESSIONAL SERVICES			150.00			
	150-5221-531100	SUPPLIES			277.09			
	150-5222-531100	SUPPLIES			662.74			
	150-5223-531100	SUPPLIES			128.95			
	150-5223-533500	TRAINING & TRAVEL			78.70			
	150-5231-531100	SUPPLIES			141.00			
	150-5232-533500	TRAINING & TRAVEL			78.70			
	430-5700-571100	POLICE DEPT CAPITAL EQUIP			42.98			
	430-5700-571300	FIRE DEPT CAPITAL EQUIP			3,435.21			
	440-5511-531000	OUTSIDE SERVICES			59.99			
	440-5511-531100	SUPPLIES			28.79			
	440-5511-531400	META SPACE EQUIPMENT & SUPPLIE			39.84			
	440-5511-532700	NEWSPAPERS			128.97			
	440-5511-533000	THINGERY PURCHASES			81.41			
	440-5511-533100	PROGRAMMING			132.79			
	440-5511-533500	TRAINING & TRAVEL			234.96			
	440-5511-534000	DIGITAL MATERIALS			128.41			

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INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 01/24/2020 - 01/24/2020

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JOURNALIZED PAID

BANK CODE: GEN VENDOR CODE: MISCCC - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD

SORTED BY CARDHOLDER

Inv Num Inv Ref#	Vendor	Description	Inv Date	Due Date Entered By	Inv Amt	Amt Due	Status	Jrnalized Post Date
		GL Distribution						
	440-5700-532800	BOOKS			338.91			
	440-5700-532900	AV MATERIAL			634.12			
	440-5890-580600	DONATED FUND EXPENDITURES			3,044.43			
	610-6210-662500	MAINTENANCE-PUMPING			16.13			
	610-6300-663200	OPERATION SUPPLY/EXP-TREATMENT			3.66			
	610-6310-663500	MAINTENANCE-WATER TREATMENT			1.67			
	610-6920-692100	OFFICE SUPPLIES & EXPENSES			165.97			
	610-6920-693300	TRANSPORTATION EXPENSES			68.24			
	620-8010-827000	OPERATION SUPPLY/EXPENSE			1,019.18			
	620-8010-833000	MAINT-TREATMENT/DISPOSAL PLANT			131.57			
	620-8400-851000	OFFICE SUPPLIES & EXPENSES			51.71			

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INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 01/24/2020 - 01/24/2020
JOURNALIZED PAID
BANK CODE: GEN VENDOR CODE: MISCCC - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date	Due Date Entered By	Inv Amt	Amt Due	Status	Jrnalized Post Date
--- TOTALS BY FUND ---							
100 -	GENERAL FUND			7,412.55	0.00		
150 -	FIRE/AMBULANCE FUND			1,517.18	0.00		
430 -	CAPITAL EQUIPMENT FUND			3,478.19	0.00		
440 -	LIBRARY FUND			4,852.62	0.00		
610 -	WATER UTILITY FUND			255.67	0.00		
620 -	SEWER UTILITY FUND			1,202.46	0.00		
--- TOTALS BY DEPT/ACTIVITY ---							
5111 -	VILLAGE BOARD			30.05	0.00		
5141 -	VILLAGE ADMINISTRATION/FINA			741.15	0.00		
5142 -	CLERK-TREASURER			14.68	0.00		
5160 -	VILLAGE HALL			182.38	0.00		
5211 -	POLICE ADMINISTRATION			1,951.67	0.00		
5212 -	POLICE PATROL			429.66	0.00		
5213 -	CRIME INVESTIGATION			884.84	0.00		
5215 -	POLICE TRAINING			1,257.00	0.00		
5220 -	FIRE STATION (VILLAGE)			143.82	0.00		
5221 -	FIRE ADMINISTRATION			427.09	0.00		
5222 -	FIRE SUPPRESSION			662.74	0.00		
5223 -	FIRE TRAINING			207.65	0.00		
5231 -	AMBULANCE			141.00	0.00		
5232 -	AMBULANCE TRAINING			78.70	0.00		
5323 -	GARAGE			556.49	0.00		
5324 -	MACHINERY & EQUIPMENT			262.02	0.00		
5511 -	LIBRARY SERVICES			835.16	0.00		
5521 -	PARKS			100.36	0.00		
5632 -	PLANNING DEPARTMENT			10.99	0.00		
5670 -	ECONOMIC DEVELOPMENT			847.44	0.00		
5700 -	CAPITAL OUTLAY EXPENDITURES			4,451.22	0.00		
5890 -	USE OF DESIGNATED FUNDS			3,044.43	0.00		
6210 -	PUMPING MAINTENANCE			16.13	0.00		
6300 -	WATER TREATMENT OPERATIONS			3.66	0.00		
6310 -	WATER TREATMENT MAINTENANCE			1.67	0.00		
6920 -	ADMINISTRATIVE & GENERAL EX			234.21	0.00		
8010 -	WWTP-TREATMENT/DISPOSAL/GP			1,150.75	0.00		
8400 -	ADMINISTRATIVE & GENERAL			51.71	0.00		
--- TOTALS BY PAYMENT CARD ACCOUNT ---							
0366				489.00			
0960				2,763.28			

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INVOICE REGISTER REPORT FOR MUKWONAGO
EXP CHECK RUN DATES 01/24/2020 - 01/24/2020
JOURNALIZED PAID
BANK CODE: GEN VENDOR CODE: MISCCC - CHECK TYPE: EFT
CREDIT CARD TRANSACTIONS FOR BOARD
SORTED BY CARDHOLDER

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date	Due Date Entered By	Inv Amt	Amt Due	Status	Jrnlized Post Date
--- TOTALS BY PAYMENT CARD ACCOUNT ---							
2365				1,365.92			
2380				1,079.46			
2544				45.80			
3064				695.00			
3167				150.00			
4325				143.82			
4366				1,169.00			
4746				3,967.65			
5538				2,402.12			
6347				30.05			
6370				834.74			
7940				723.42			
8378				1,469.03			
8389				289.13			
9625				387.94			
9708				713.31			

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MUKWONAGO BOARD FOR MUKWONAGO
EXP CHECK RUN DATES 01/10/2020 - 01/10/2020
BOTH JOURNALIZED AND UNJOURNALIZED OPEN AND PAID
BANK CODE: GEN - CHECK TYPE: PAPER CHECK

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INVOICE NUMBER	DESCRIPTION	AMOUNT	APPROVAL DEPARTMENT	DISTRIBUTIONS\AMOUNTS	
VENDOR NAME: EAST TROY SCHOOL DISTRICT JAN 10 2020	JANUARY TAX SETTLEMENT	72,724.01	FINANCE	720-0000-246200	72,724.01
TOTAL VENDOR EAST TROY SCHOOL DISTRICT		72,724.01			
VENDOR NAME: GATEWAY TECHNICAL COLLEGE JAN 10 2020	JANUARY 2020 TAX SETTLEMENT	6,479.80	FINANCE	720-0000-246300	6,479.80
TOTAL VENDOR GATEWAY TECHNICAL COLLEGE		6,479.80			
VENDOR NAME: MUKWONAGO AREA SCHOOLS JAN 10 2020	JANUARY SETTLEMENT	3,432,806.94	FINANCE	720-0000-246000 720-0000-246000	3,431,287.43 1,519.51
TOTAL VENDOR MUKWONAGO AREA SCHOOLS		3,432,806.94			
VENDOR NAME: PHANTOM LAKES MGMT DISTRICT JAN 10 2020	JANUARY SETTLEMENT	22,984.89	FINANCE	720-0000-245000	22,984.89
TOTAL VENDOR PHANTOM LAKES MGMT DISTRICT		22,984.89			
VENDOR NAME: W C T C JAN 10 2020	TAX SETTLEMENT	160,232.84	FINANCE	720-0000-246100	160,232.84
TOTAL VENDOR W C T C		160,232.84			
VENDOR NAME: WALWORTH CTY TREASURER JAN 10 2020	JANUARY 2020 TAX SETTLEMENT	30,558.48	FINANCE	720-0000-243110	30,558.48
TOTAL VENDOR WALWORTH CTY TREASURER		30,558.48			
VENDOR NAME: WAUKESHA CTY TREASURER JAN 10 2020	JANUARY SETTLEMENT 2020	809,597.92	FINANCE	720-0000-243100	809,597.92
TOTAL VENDOR WAUKESHA CTY TREASURER		809,597.92			
GRAND TOTAL:		4,535,384.88			

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CHECK DISBURSEMENT REPORT FOR MUKWONAGO
CHECK DATE FROM 01/01/2020 - 01/31/2020

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Check Date	Bank	Check #	Payee	Description	GL #	Amount
01/06/2020	GEN	28896	WILLIAMS BAY POLICE DEPARTMENT	A LAMBRECHT F/W 4/27/94 #AE344399-6SPEED	100-0000-233200	98.80
01/09/2020	GEN	28935	VANTAGEPOINT TRANSFER AGENTS	DEFERRED COMPENSATION ID263458 #305155	100-0000-215250	3,374.34
		28935		DEFERRED COMPENSATION ID263458	150-0000-215250	2.82
		28935		DEFERRED COMPENSATION ID263458	440-0000-215250	453.70
		28935		DEFERRED COMPENSATION ID263458	610-0000-215250	225.26
		28935		DEFERRED COMPENSATION ID263458	620-0000-215250	213.93
						4,270.05
01/09/2020	GEN	28936	MINNESOTA LIFE INSURANCE	LIFE INSURANCE PAYABLE FEB PREM	100-0000-215301	1,296.42
		28936		LIFE INSURANCE PAYABLE FEB PREM	150-0000-215301	117.59
		28936		LIFE INSURANCE PAYABLE FEB PREM	440-0000-215301	181.79
		28936		LIFE INSURANCE PAYABLE FEB PREM	610-0000-215301	77.49
		28936		LIFE INSURANCE PAYABLE FEB PREM	620-0000-215301	43.94
						1,717.23
01/10/2020	GEN	101 (E)	INVOICE CLOUD	INVOICE CLOUD CC FEES	100-5142-539900	58.47
		101 (E)		INVOICE CLOUD CC FEES	100-5241-539900	58.47
		101 (E)		INVOICE CLOUD CC FEES	410-5363-539900	32.15
		101 (E)		INVOICE CLOUD CC FEES	610-6920-692100	32.16
		101 (E)		INVOICE CLOUD CC FEES	620-8300-840000	32.15
						213.40
01/10/2020	GEN	98 (E)	GREAT WEST RETIREMENT SERVICES	DEFERRED COMPENSATION PR 01/10/20	100-0000-215250	500.00
		98 (E)		DEFERRED COMPENSATION PR 01/10/20	150-0000-215250	74.00
		98 (E)		DEFERRED COMPENSATION PR 01/10/20	610-0000-215250	100.00
		98 (E)		DEFERRED COMPENSATION PR 01/10/20	620-0000-215250	100.00
						774.00
01/10/2020	GEN	99 (E)	PAYROLLDATA.COM	OTHER PAYROLL FEES	100-5111-539900	97.34
		99 (E)		OTHER PAYROLL FEES	100-5120-539900	24.22
		99 (E)		OTHER PAYROLL FEES	100-5141-539900	95.1
		99 (E)		OTHER PAYROLL FEES	100-5142-539900	30.51
		99 (E)		PROFESSIONAL SVC PAYROLL FEES	100-5144-521900	138.38
		99 (E)		OTHER PAYROLL FEES	100-5211-539900	187.08

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CHECK DISBURSEMENT REPORT FOR MUKWONAGO
CHECK DATE FROM 01/01/2020 - 01/31/2020

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Check Date	Bank	Check #	Payee	Description	GL #	Amount
		99 (E)		OTHER PAYROLL FEES	100-5212-539900	290.38
		99 (E)		PROFESSIONAL SVC PAYROLL FEES	100-5213-521900	46.22
		99 (E)		OTHER PAYROLL FEES	100-5241-539900	24.22
		99 (E)		OTHER PAYROLL FEES	100-5300-539900	144.03
		99 (E)		OTHER PAYROLL FEES	100-5632-539900	12.11
		99 (E)		PROFESSIONAL SVC PAYROLL FEES	100-5670-521900	12.11
		99 (E)		OTHER PAYROLL FEES	150-5221-539900	576.34
		99 (E)		OTHER PAYROLL FEES	440-5511-539900	274.09
		99 (E)		MISC GENERAL EXP PAYROLL FEES	610-6920-693000	42.62
		99 (E)		MISC GENERAL EXP PAYROLL FEES	620-8400-856000	42.62
						2,037.39
01/15/2020	GEN	100 (E)	HASLER MAILING SOLUTIONS	POSTAGE	100-5142-531500	1,000.00
01/15/2020	GEN	29036	TREASURER WAUKESHA COUNTY	WAUKESHA COUNTY COURT FEES-JAIL FINES	100-0000-243240	1,060.00
01/15/2020	GEN	29037	WALWORTH CTY TREASURER	WALWORTH COUNTY COURT FEES-JAIL FINES	100-0000-243250	40.00
01/15/2020	GEN	29038	TREASURER STATE OF WI	COURT FEES DUE TO STATE-JAIL FINES	100-0000-242400	3,733.39
01/15/2020	GEN	29039	VILLAGE OF MUKWONAGO	TAX ERROR-ASSESSOR MUKV 2091-011-002	100-5191-560100	1,718.73
01/16/2020	GEN	102 (E)	WI DEPT OF REVENUE QTRLY TAX	2020-2021 BUS TAX REGISTRATION RENEWAL	100-5142-539900	10.00
01/16/2020	GEN	103 (E)	WI DEPT OF REVENUE QTRLY TAX	WI SALE TAX - 4TH QTR 2019	100-5160-539900	4.90
		103 (E)		WI SALE TAX - 4TH QTR 2019	100-5521-539900	70.55
		103 (E)		WI SALE TAX - 4TH QTR 2019	440-5511-539900	168.01
						243.46
01/23/2020	GEN	106 (E)	PAYROLLDATA.COM	OTHER PAYROLL FEES	100-5111-539900	23.10
		106 (E)		OTHER PAYROLL FEES	100-5120-539900	6.60
		106 (E)		OTHER PAYROLL FEES	100-5141-539900	16.50
		106 (E)		OTHER PAYROLL FEES	100-5142-539900	6.60
		106 (E)		OTHER PAYROLL FEES	100-5211-539900	33.00
		106 (E)		OTHER PAYROLL FEES	100-5212-539900	39.60

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CHECK DATE FROM 01/01/2020 - 01/31/2020

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Check Date	Bank	Check #	Payee	Description	GL #	Amount
		106 (E)		PROFESSIONAL SVC PAYROLL FEES	100-5213-521900	6.60
		106 (E)		OTHER PAYROLL FEES	100-5241-539900	6.60
		106 (E)		OTHER PAYROLL FEES	100-5300-539900	33.00
		106 (E)		OTHER PAYROLL FEES	100-5632-539900	3.30
		106 (E)		PROFESSIONAL SVC PAYROLL FEES	100-5670-521900	3.30
		106 (E)		OTHER PAYROLL FEES	150-5221-539900	128.66
		106 (E)		OTHER PAYROLL FEES	440-5511-539900	72.60
		106 (E)		MISC GENERAL EXP PAYROLL FEES	610-6920-693000	13.20
		106 (E)		MISC GENERAL EXP PAYROLL FEES	620-8400-856000	13.20
						405.86
01/23/2020	GEN	108 (E)	EMPLOYEE TRUST FUNDS	HEALTH INSURANCE PAYABLE FEB PREM	100-0000-215300	56,124.66
		108 (E)		HEALTH INSURANCE PAYABLE FEB PREM	150-0000-215300	9,190.98
		108 (E)		HEALTH INSURANCE PAYABLE FEB PREM	440-0000-215300	7,444.78
		108 (E)		HEALTH INSURANCE PAYABLE FEB PREM	610-0000-215300	3,313.86
		108 (E)		HEALTH INSURANCE PAYABLE FEB PREM	620-0000-215300	4,009.70
						80,083.98
01/23/2020	GEN	29097	VANTAGEPOINT TRANSFER AGENTS	DEFERRED COMPENSATION PR 01/24/20	100-0000-215250	3,348.62
		29097		DEFERRED COMPENSATION PR 01/24/20	150-0000-215250	1.46
		29097		DEFERRED COMPENSATION PR 01/24/20	440-0000-215250	481.53
		29097		DEFERRED COMPENSATION PR 01/24/20	610-0000-215250	190.08
		29097		DEFERRED COMPENSATION PR 01/24/20	620-0000-215250	235.56
						4,257.25
01/24/2020	GEN	107 (E)	GREAT WEST RETIREMENT SERVICES	DEFERRED COMPENSATION PR 01/24/20	100-0000-215250	500.00
		107 (E)		DEFERRED COMPENSATION PR 01/24/20	150-0000-215250	74.00
		107 (E)		DEFERRED COMPENSATION PR 01/24/20	610-0000-215250	100.00
		107 (E)		DEFERRED COMPENSATION PR 01/24/20	620-0000-215250	100.00
						774.00
01/29/2020	GEN	113 (E)	DELTA DENTAL OF WISCONSIN	DENTAL - SUPPLEMENTAL INSURANCE	100-0000-215304	478.69
		113 (E)		DENTAL - SUPPLEMENTAL INSURANCE	440-0000-215304	(0.69)
						478.00

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CHECK DISBURSEMENT REPORT FOR MUKWONAGO
CHECK DATE FROM 01/01/2020 - 01/31/2020

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Check Date	Bank	Check #	Payee	Description	GL #	Amount
01/29/2020	GEN	29115	AFLAC	SUPPLEMENTAL INSURANCE PAYABLE	100-0000-215302	266.81
		29115		SUPPLEMENTAL INSURANCE PAYABLE	150-0000-215302	253.25
		29115		SUPPLEMENTAL INSURANCE PAYABLE	610-0000-215302	50.76
		29115		SUPPLEMENTAL INSURANCE PAYABLE	620-0000-215302	50.74
						621.56
01/29/2020	GEN	29116	MUKWONAGO PROFESSIONAL POLICE	UNION DUES PAYABLE	100-0000-215500	600.00
01/29/2020	GEN	29117	MUKWONAGO PROFESSIONAL	UNION DUES PAYABLE	150-0000-215500	270.00
01/29/2020	GEN	29118	VILLAGE OF MUKWONAGO MRA	FLEXIBLE SPENDING CONTRIBUTION	100-0000-215350	1,153.18
		29118		FLEXIBLE SPENDING CONTRIBUTION	150-0000-215350	425.38
		29118		FLEXIBLE SPENDING CONTRIBUTION	440-0000-215350	24.54
						1,603.10
01/31/2020	GEN	112 (E)	WI RETIREMENT SYSTEM	RETIREMENT	100-0000-215200	32,061.64
		112 (E)		RETIREMENT	150-0000-215200	11,994.89
		112 (E)		RETIREMENT	440-0000-215200	6,048.36
		112 (E)		RETIREMENT	500-0000-215200	163.58
		112 (E)		RETIREMENT	610-0000-215200	2,494.26
		112 (E)		RETIREMENT	620-0000-215200	1,956.68
						54,719.41
			TOTAL - ALL FUNDS	TOTAL OF 23 CHECKS		160,729.61

VILLAGE OF MUKWONAGO PURCHASE REQUISITION

PLEASE TYPE OR PRINT IN INK CLEARLY ON THIS FORM

DATE:	1/28/2020	NUMBER:	
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VENDOR NAME & ADDRESS:	SHIP TO:
Lynch Chevrolet - Mukwonago	WWTF, 1200 Holz Pkwy, Mukwonago, WI 53149

DEPT NAME:	SUGGESTED VENDOR	AUTHORIZED SIGNATURE
Water Utility	Lynch Chevrolet	<i>Wayne Casty</i>

BUDGETED ITEM?	Yes	BUDGETED SOURCE:	Capital Budget
-----------------------	-----	-------------------------	----------------

ITEM	QTY	DESCRIPTION	UNIT PRICE	AMOUNT	ACCT #
Service Truck	1	2020 Chevrolet 2500HD 4WD Dbl. Cab Service Body Work Truck	\$59,032.50	\$59,032.50	610-0000-139200
		- Municipal Discount	-\$10,800	-\$10,800	
		- Trade-in 2015 4WD Service Truck	-\$24,000	-\$24,000	
			TOTAL	\$24,232.50	

FINANCE COMMITTEE USE ONLY	
APPROVED (COMMITTEE INITIALS):	
DATE:	
SPECIAL INSTRUCTIONS	



Lynch Mukwonago

Paul Woodson (woody) | 262-363-4061

Vehicle: [Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck (Complete)

Quote: 2020 VILLAGE 2

Window Sticker

SUMMARY

[Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck

MSRP:\$39,500.00

Interior:Jet Black, Cloth seat trim

Exterior 1:Summit White

Exterior 2:No color has been selected.

Engine. 6.6L V8

Transmission, 6-speed automatic, heavy-duty

OPTIONS

CODE	MODEL	MSRP
CK20953	[Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck	\$39,500.00
OPTIONS		
1WT	Work Truck Preferred Equipment Group	\$0.00
5N5	Rear Camera Kit	\$73.00
8S3	Back-up alarm, 97 decibels	\$138.00
9J4	Bumper, rear, delete	Inc.
9L3	Spare tire delete	Inc.
9L7	Upfitter switch kit, (5)	\$150.00
A52	Seats, front 40/20/40 split-bench (no storage)	\$0.00
AQQ	Remote Keyless Entry	Inc.
C7A	GVWR, 10,000 lbs. (4536 kg)	\$0.00
DBG	Mirrors, outside power-adjustable vertical trailing	Inc.
FE9	Emissions, Federal requirements	\$0.00
GAZ	Summit White	\$0.00
GT4	Rear axle, 3.73 ratio	\$0.00
H1T	Jet Black, Cloth seat trim	\$0.00
IOR	Audio system, Chevrolet Infotainment 3 system	\$0.00
JL1	Trailer brake controller, integrated	\$275.00

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Data Version: 1015R. Data Updated: Jan 21, 2020 10:47:00 PM PST.



Lynch Mukwonago

Paul Woodson (woody) | 262-363-4061

Vehicle: [Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck (Complete)

Quote: 2020 VILLAGE 2

K34	Cruise control, electronic	Inc.	
KI4	Power outlet, instrument panel, 120-volt		\$150.00
KW5	Alternator, 220 amps	Inc.	
L8T	Engine, 6.6L V8		\$0.00
MYD	Transmission, 6-speed automatic, heavy-duty		\$0.00
NZZ	Skid Plates	Inc.	
PYT	Wheels, 18" (45.7 cm) painted steel		\$300.00
QF6	Tires, LT275/70R18E all-terrain, blackwall		\$200.00
V46	Bumper, front chrome		\$100.00
VYU	Snow Plow Prep Package		\$300.00
ZLQ	WT Fleet Convenience Package		\$610.00
ZW9	Pickup bed, delete		(\$1,155.00)
—	Capped Fuel Fill	Inc.	
SUBTOTAL			\$40,641.00
Adjustments Total			\$0.00
Destination Charge			\$1,595.00
TOTAL PRICE			\$42,236.00

FUEL ECONOMY

Est City:N/A

Est Highway:N/A

Est Highway Cruising Range:N/A

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Data Version: 10158. Data Updated: Jan 21, 2020 10:47:00 PM PST.



Lynch Mukwonago

Paul Woodson (woody) | 262-363-4061

Vehicle: [Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck (Complete)

Quote: 2020 VILLAGE 4

Quote Worksheet

	MSRP
Base Price	\$39,500.00
Dest Charge	\$1,595.00
Total Options	\$1,141.00
Subtotal	\$42,236.00
KNAPHEIDE 600 SVD BODY CUSTOMER SPEC SPRAY LINER	\$15,480.00
SVC FEE, NEW MUNI PLATE, TITLE	\$527.50
	\$0.00
RUNNING BOARDS OVAL6'	\$789.00
Subtotal Pre-Tax Adjustments	\$16,796.50
Less Customer Discount	(\$10,800.00)
Subtotal Discount	(\$10,800.00)
Trade-In	\$0.00
2015 SILVERADO 4X4 SERVICE VIN FZ544665	(\$24,000.00)
Subtotal Trade-In	(\$24,000.00)
Taxable Price	\$24,232.50
Sales Tax	\$0.00
Subtotal Taxes	\$0.00
Subtotal Post-Tax Adjustments	\$0.00
Total Sales Price	\$24,232.50

Dealer Signature / Date

Customer Signature / Date

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Data Version: 10207. Data Updated: Jan 28, 2020 10:36:00 PM PST.



Lynch Mukwonago

Paul Woodson (woody) | 262-363-4061

Vehicle: [Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck (Complete)

Quote: 2020 VILLAGE 2

Selected Model and Options

MODEL

CODE	MODEL	MSRP
CK20953	2020 Chevrolet Silverado 2500HD 4WD Double Cab 162" Work Truck	\$39,500.00

COLORS

CODE	DESCRIPTION	MSRP
GAZ	Summit White	\$0.00

BODY CODE

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
ZW9	Pickup bed, delete includes capped fuel fill, (SFW) Back-up alarm calibration, (9J4) rear bumper delete, (9L3) spare tire delete and spare tire carrier delete. (Requires long bed model and 17" or 18" wheels.) *CREDIT*	-12.00 lbs	-438.00 lbs	(\$1,155.00)

EMISSIONS

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
FE9	Emissions, Federal requirements	0.00 lbs	0.00 lbs	\$0.00

ENGINE

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
L8T	Engine, 6.6L V8 with Direct Injection and Variable Valve Timing, gasoline, (401 hp [299 kW] @ 5200 rpm, 464 lb-ft of torque [629 N-m] @ 4000 rpm) (STD)	0.00 lbs	0.00 lbs	\$0.00

TRANSMISSION

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
MYD	Transmission, 6-speed automatic, heavy-duty (STD) (Requires (L8T) 6.6L V8 gas engine.)	0.00 lbs	0.00 lbs	\$0.00

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Data Version: 10158 Data Updated: Jan 21, 2020 10:47:00 PM PST.



Lynch Mukwonago

Paul Woodson (woody) | 262-363-4061

Vehicle: [Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck (Complete)

Quote: 2020 VILLAGE 2

GVWR

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
C7A	GVWR, 10,000 lbs. (4536 kg) (CC20903 and CK20903 models require (L8T) 6.6L V8 gas engine. (L5P) Duramax 6.6L Turbo-Diesel V8 engine is not available on the following models: CC20903 and CK20903.)	0.00 lbs	0.00 lbs	\$0.00

AXLE

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
GT4	Rear axle, 3.73 ratio (Requires (L8T) 6.6L V8 gas engine. Not available with (L5P) Duramax 6.6L Turbo-Diesel V8 engine.)	0.00 lbs	0.00 lbs	\$0.00

PREFERRED EQUIPMENT GROUP

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
1WT	Work Truck Preferred Equipment Group includes standard equipment	0.00 lbs	0.00 lbs	\$0.00

WHEELS

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
PYT	Wheels, 18" (45.7 cm) painted steel	12.00 lbs	12.00 lbs	\$300.00

TIRES

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
QF6	Tires, LT275/70R18E all-terrain, blackwall (Included with (ANQ) Alaskan Snow Plow Special Edition.)	21.00 lbs	21.00 lbs	\$200.00

PAINT

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
GAZ	Summit White	0.00 lbs	0.00 lbs	\$0.00

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Data Version: 10158. Data Updated: Jan 21, 2020 10:47:00 PM PST.



Lynch Mukwonago

Paul Woodson (woody) | 262-363-4061

Vehicle: [Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck (Complete)

Quote: 2020 VILLAGE 2

SEAT TYPE

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
A52	Seats, front 40/20/40 split-bench (no storage) (STD)	0.00 lbs	0.00 lbs	\$0.00

SEAT TRIM

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
H1T	Jet Black, Cloth seat trim	-1.00 lbs	-1.00 lbs	\$0.00

RADIO

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
IOR	Audio system, Chevrolet Infotainment 3 system 7" diagonal color touchscreen, AM/FM stereo. Additional features for compatible phones include: Bluetooth audio streaming for 2 active devices, voice command pass-through to phone, Apple CarPlay and Android Auto capable. (STD)	0.00 lbs	0.00 lbs	\$0.00

ADDITIONAL EQUIPMENT - PACKAGE

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
VYU	Snow Plow Prep Package includes (KW5) 220-amp alternator, includes increased front GAWR on Heavy Duty models, (NZZ) skid plates (transfer case and oil pan), pass through dash grommet hole and roof emergency light provisions. Contact GM Upfitter Integration at www.gmupfitter.com for plow installation details and assistance (Requires 4WD model. Upgradeable to (KHF) Dual alternators (220-amp primary, 170-amp auxiliary). Included with (ANQ) Alaskan Snow Plow Special Edition. Not available with (F60) Heavy Duty Front Spring Package.)	0.00 lbs	0.00 lbs	\$300.00
ZLQ	WT Fleet Convenience Package includes (AQQ) Remote Keyless Entry, (K34) Cruise Control, (QT5) EZ Lift power lock and release tailgate and (DBG) outside power-adjustable vertical trailing with heated upper glass; (Not available with (PCV) WT Convenience Package. With (ZW9) pickup bed delete, (QT5) EZ Lift power lock and release tailgate is deleted.)	0.00 lbs	0.00 lbs	\$610.00

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Data Version: 10158 Data Updated: Jan 21, 2020 10:47:00 PM PST.



Lynch Mukwonago

Paul Woodson (woody) | 262-363-4061

Vehicle: [Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck (Complete)

Quote: 2020 VILLAGE 2

ADDITIONAL EQUIPMENT - MECHANICAL

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
	Capped Fuel Fill (Included and only available with (L5P) Duramax 6.6L Turbo-Diesel V8 engine or (ZW9) pickup bed delete.)	0.00 lbs	0.00 lbs	Inc.
JL1	Trailer brake controller, integrated (Requires (ZLQ) WT Fleet Convenience Package, (PCV) WT Convenience Package or (L5P) Duramax 6.6L Turbo-Diesel V8 engine. Included with (CMT) Gooseneck/5th Wheel Package.)	4.00 lbs	3.00 lbs	\$275.00
KW5	Alternator, 220 amps (Included with (L5P) Duramax 6.6L Turbo-Diesel V8 engine or (VYU) Snow Plow Prep Package. Free flow on (L8T) 6.6L V8 gas engine.)	1.00 lbs	1.00 lbs	Inc.
NZZ	Skid Plates protect the oil pan, front axle and transfer case (Included with (Z71) Z71 Off-Road Package or (VYU) Snow Plow Prep Package.)	8.00 lbs	1.00 lbs	Inc.

ADDITIONAL EQUIPMENT - EXTERIOR

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
9J4	Bumper, rear, delete (Included and only available with (ZW9) pickup bed delete.)	12.00 lbs	-48.00 lbs	Inc.
9L3	Spare tire delete (Included and only available with (ZW9) pickup bed delete or (5Z4) spare wheel, carrier and lock delete.)	7.00 lbs	-47.00 lbs	Inc.
DBG	Mirrors, outside power-adjustable vertical trailing with heated upper glass, lower convex mirrors, integrated turn signals, manual folding/extending (extends 3.31" [84.25mm]) (Included and only available with (ZLQ) WT Fleet Convenience Package or (PCV) WT Convenience Package.)	2.00 lbs	0.00 lbs	Inc.
V46	Bumper, front chrome (Requires (VJH) Chrome rear bumper and (E63) Durabed, pickup bed. Included with (PQA) WT Safety Package.)	0.00 lbs	0.00 lbs	\$100.00

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Data Version: 10153, Data Updated: Jan 21, 2020 10:47:00 PM PST.



Lynch Mukwonago

Paul Woodson (woody) | 262-363-4061

Vehicle: [Fleet] 2020 Chevrolet Silverado 2500HD (CK20953) 4WD Double Cab 162" Work Truck (Complete)

Quote: 2020 VILLAGE 2

ADDITIONAL EQUIPMENT - INTERIOR

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
9L7	Upfitter switch kit, (5) Provides 3-30 amp and 2-20 amp configurable circuits to facilitate installation of aftermarket electrical accessories.	0.00 lbs	1.00 lbs	\$150.00
AQQ	Remote Keyless Entry with 2 transmitters (Included and only available with (ZLQ) WT Fleet Convenience Package or (PCV) WT Convenience Package.)	0.00 lbs	1.00 lbs	Inc.
K34	Cruise control, electronic with set and resume speed, steering wheel-mounted (Included with (ZLQ) WT Fleet Convenience Package or (PCV) WT Convenience Package.)	0.00 lbs	0.00 lbs	Inc.
KI4	Power outlet, instrument panel, 120-volt (400 watts shared with (KC9) bed mounted power outlet) (Requires (ZLQ) WT Fleet Convenience Package or (PCV) WT Convenience Package.)	2.00 lbs	1.00 lbs	\$150.00

ADDITIONAL EQUIPMENT - SAFETY-INTERIOR

CODE	DESCRIPTION	FRONT WEIGHT	REAR WEIGHT	MSRP
5N5	Rear Camera Kit Kit includes camera, fixed position bracket & 19 ft cable with attachment clips. Rear camera radio calibration provided from the factory. See Upfitter Integration Bulletin for installation instructions at www.gmupfitter.com (Requires (ZW9) pickup bed delete.)	0.00 lbs	0.00 lbs	\$73.00
8S3	Back-up alarm, 97 decibels (Not available with SEO (SFW) back-up alarm calibration or (UY2) trailer wiring provisions.)	0.00 lbs	0.00 lbs	\$138.00
Options Total		56.00 lbs	-493.00 lbs	\$1,141.00

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Data Version: 10158. Data Updated: Jan 21, 2020 10:47:00 PM PST.

AGENDA ITEM REQUEST FORM

Committee/Board:	Village Board
Topic:	Motion to approve the Purchase Order for park equipment from Keeper Goals in the amount of \$11,760.
From:	Diana Dykstra
Department:	Finance
Presenter:	Ron Bittner
Date of Committee Action (if required)	2/5/20
Date of Village Board Action (if required)	2/19/20

Information

Subject:

Motion to approve the Purchase Order for park equipment from Keeper Goals in the amount of \$11,760.

Background Information/Rationale:

Park equipment is replaced as needed with wood bleachers and benches scheduled for this year. The new equipment will be constructed of galvanized steel and aluminum for low maintenance and longevity.

Key Issues for Consideration:

Approval of the park equipment PO.

Fiscal Impact (if any):

\$11,760.00 from fund 100-5521-5311.

Requested Action by Committee/Board:

Attachments

[Keeper Goal PO.pdf](#)

[Keeper Goal Quote](#)

VILLAGE OF MUKWONAGO PURCHASE REQUISITION

PLEASE TYPE OR PRINT IN INK CLEARLY ON THIS FORM

DATE:	1/27/20	NUMBER:	
--------------	---------	----------------	--

VENDOR NAME & ADDRESS:	SHIP TO:
Keeper Goals 1400 W Silver Spring Dr. Butler, WI 53007	DPW

DEPT NAME:	SUGGESTED VENDOR	AUTHORIZED SIGNATURE
DPW	Keeper Goals	

BUDGETED ITEM?	Yes	BUDGETED SOURCE:	
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ITEM	QTY	DESCRIPTION	UNIT PRICE	AMOUNT	ACCT #
1	11	21 FT Portable Bench	\$590.00	\$6,490.00	
2	2	19 FT Bleachers	\$2,420.00	\$4,840.00	
3	2	Opt. Riser & Double Foot Board	\$300.00	\$600.00	
4		Freight		\$785.00	
		Discount		(\$955.00)	
			TOTAL	\$11,760.00	100-5521-5311

FINANCE COMMITTEE USE ONLY	
APPROVED (COMMITTEE INITIALS):	
DATE:	
SPECIAL INSTRUCTIONS	

Village of Mukwonago

Att: Ron

Phone: 262-363-6447

Email: rbittner@villageofmukwonago.com

KEEPER GOALS

A DIVISION OF DEMAND & PRECISION PARTS

12400 W Silver Spring Dr, Butler, WI 53007

PHONE: 262-781-7800 OR 800-594-5126

Fax: 262-781-9230

price quote

1/27/2020

By: John Moynihan

<u>Quantity</u>		<u>Description</u>	<u>Club</u>	<u>Unit Price</u>	<u>Total Price</u>
		<u>Sales tax is not included</u>			
11 ea		Heavy duty Bench with out back rest= lead time 35 to 45 days			
ea		#GBSP-21 21' portable bench, steel frame, alum seats, with out backrest	\$	590.00	\$ 6,490.00
		Freight in			\$ 485.00
		Total			\$ 6,975.00
		Village of Mukwonago discount if bleachers and soccer are ordered at same time			\$ (590.00)
		Total with discount			\$ 6,385.00
JWI		Bleachers- IBC Compliant- with same number of seats			
2 ea		#B3R-19A-3 3 row bleacher with 4' aisle - seats 32 people		\$2,420.00	\$4,840.00
		Single footboard - no riser			
		Unit foot print 4'10" x 19' -			
		Freight			\$ 300.00
			Total		\$5,140.00
		Village of Mukwonago discount if bleachers and benches are ordered at same time			\$ (365.00)
		Total with discount			\$ 5,075.00
		Option some people like			
2 ea		Add riser and double footboards- (Not required by code)	\$	300.00	\$ 600.00
2 ea		Powder coated riser-standard color	\$	190.00	\$ 380.00

Installation Is not includedSHIP TO: VILLAGE OF MUKONAGO
630 EAST VETERANS WAY

ATT: LEE WEGENER
MUKWONAGO, WI 53149

Advantages of Tubular design- (All JW Bleachers are Tubular)

1. Framework 2" x 2" x 3/16 tubular aluminum framing is stronger than angle frame design.
2. Seat plank is stronger than most manufacturers (2"x 10" x .085 wall thickness)
3. Easy to assemble due to frame strength and less cross bracing required.
4. Galvanized fasteners
5. Easy to clean under due to cross bracing design.
6. More options available- engraving, powder coating hand rails, seat planks, riser, wheel kits)
7. Long term durability results in a less expensive product over time
8. 12 year warranty

AGENDA ITEM REQUEST FORM

Committee/Board:	Village Board
Topic:	Motion to approve of 2019 Paving Rehabilitation Close-out Change Order and Final Payment.
From:	Diana Dykstra
Department:	Public Works
Presenter:	Jerad Wegner
Date of Committee Action (if required)	February 5, 2020
Date of Village Board Action (if required)	February 19, 2020

Information

Subject:

Motion to approve of 2019 Paving Rehabilitation Close-out Change Order and Final Payment.

Background Information/Rationale:

Parking Lot Maintenance, Inc. has completed the 2019 Pavement Rehabilitation project and has submitted a final Application for Payment and furnished the enclosed Contract-required items: Consent of Surety to Final Payment, list of Subcontractors, Suppliers, and service providers performing, furnishing, or procuring labor, services and materials on the Project, releases or waivers of lien from first tier Subcontractors and Suppliers, and certificate or other evidence of completed operations insurance.

Key Issues for Consideration:

In accordance with paragraph 15.08 of the General Conditions, the Contractor is required to promptly repair or correct defective Work for a period of one year from the date of Substantial Completion which was October 18, 2019.

Fiscal Impact (if any):

The original Contract Price was \$342,138.00 and the final amount earned for the 2019 Paving Rehabilitation project is \$321,987.60.

Requested Action by Committee/Board:

Attachments

2019 Pavement Rehabilitation Closeout

January 9, 2020

Mr. Fred Winchowky
Village President
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

Re: 2019 Pavement Rehabilitation
Final Payment

Dear President Winchowky:

Enclosed with this letter please find Change Order No. 3. This Change Order serves to adjust the final Contract Price to reflect the actual completed Work. Please have Change Order No. 3 signed and dated, and return to our office for further distribution.

In accordance with the Contract Documents, the Contractor for this Project, Parking Lot Maintenance, Inc., has submitted a final Application for Payment and has furnished the enclosed Contract-required items:

1. Consent of Surety to Final Payment.
2. List of Subcontractors, Suppliers, and service providers performing, furnishing, or procuring labor, services and materials on the Project.
3. Releases or waivers of lien from first tier Subcontractors and Suppliers.
4. Certificate or other evidence of completed operations insurance.

You may want to have your legal counsel and insurance advisor review the respective lien waivers, bonding, and insurance documents to verify legal effectiveness. If all are satisfactory, we recommend final payment, and give notice (enclosed), that the completed Work is acceptable subject to the provisions of General Conditions paragraph 15.07.

In accordance with paragraph 15.08 of the General Conditions, the Contractor is required to promptly repair or correct defective Work for a period of one year from the date of Substantial Completion which was October 18, 2019. You may wish to review the Project a month or so before the anniversary date to check for any warranty items. If we can be of assistance to you in this regard, please contact us.

Respectfully,

RUEKERT & MIELKE, INC.



Michael E. Michalski
Project Engineer
mmichalski@ruekert-mielke.com

MEM:sjs

Enclosures

cc: Ron Bittner, Village of Mukwonago
Tom Opie, Parking Lot Maintenance, Inc., w/Notice of Acceptability
Jerad J. Wegner, P.E., Ruekert & Mielke, Inc.

Date of Issuance: January 2, 2020

Effective Date: January 2, 2020

Owner: Village of Mukwonago

Contract: 2019 Pavement Rehabilitation

Contractor: Parking Lot Maintenance, Inc.

Engineer: Ruekert & Mielke, Inc.

Address: W225 N3178 Duplainville Road
Pewaukee, WI 53072

Engineer's Project No.: 12-10112.300

Effective Date of Contract: July 17, 2019

The Contract is modified as follows upon execution of this Change Order:

Description:

Closeout Change Order.

Reason for Change Order:

Change Contract price to match amount earned.

Attachments:

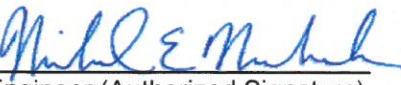
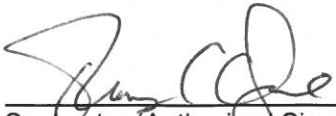
Closeout Change Order Analysis and Final Pay Application No. 2.

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price \$ 342,138.00	Original Contract Times: Substantial Completion: <u>October 18, 2019</u> Ready for Final Payment: <u>November 18, 2019</u> days or dates
Increase from previously approved Change Orders No. 1 to No. 2: \$ 12,663.00	Changes from previously approved Change Orders: Substantial Completion: <u>N/A</u> Ready for Final Payment: <u>N/A</u> days
Contract Price prior to this Change Order: \$ 354,801.00	Contract Times prior to this Change Order: Substantial Completion: <u>October 18, 2019</u> Ready for Final Payment: <u>November 18, 2019</u> days or dates
Decrease of this Change Order: \$ 32,813.40	Changes from this Change Order: Substantial Completion: <u>0</u> Ready for Final Payment: <u>0</u> days or dates
Contract Price incorporating this Change Order: \$ 321,987.60	Contract Times with all approved Change Orders: Substantial Completion: <u>October 18, 2019</u> Ready for Final Payment: <u>November 18, 2019</u> days or dates

RECOMMENDED:

ACCEPTED:

ACCEPTED:

By: 
Engineer (Authorized Signature)By: _____
Owner (Authorized Signature)By: 
Contractor (Authorized Signature)Michael E. Michalski
Ruekert & Mielke, Inc.Date: January 2, 2020

Date: _____

Date: 1-6-2020

NOTICE OF ACCEPTABILITY OF WORK

PROJECT: 2019 Pavement Rehabilitation
OWNER: Village of Mukwonago
CONTRACTOR: Parking Lot Maintenance, Inc.
EFFECTIVE DATE OF THE CONSTRUCTION CONTRACT: July 17, 2019
ENGINEER: Ruekert & Mielke, Inc.
NOTICE DATE: January 8, 2020

To: Village of Mukwonago
Owner

And To: Parking Lot Maintenance, Inc.
Contractor

From: Ruekert & Mielke, Inc.
Engineer

The Engineer hereby gives notice to the above Owner and Contractor that the completed Work furnished and performed by Contractor under the above Contract is acceptable expressly subject to the provisions of the related Contract Documents, the Agreement between Owner and Engineer for Professional Services and the terms and conditions set forth as follows:

CONDITIONS OF NOTICE OF ACCEPTABILITY OF WORK

The Notice of Acceptability of Work ("Notice") is expressly made subject to the following terms and conditions to which all those who receive said Notice and rely thereon agree:

1. This Notice is given with the skill and care ordinarily used by members of the engineering profession practicing under similar conditions at the same time and in the same locality.
2. This Notice reflects and is an expression of the professional judgment of Engineer.
3. This Notice is given as to the best of Engineer's knowledge, information, and belief as of the Notice Date.
4. This Notice is based entirely on and expressly limited by the scope of services Engineer has been employed by Owner to perform or furnish during construction of the Project (including observation of the Contractor's work) under Engineer's Agreement with Owner and under the Construction Contract referred to in this Notice, and applies only to facts that are within Engineer's knowledge or could reasonably have been ascertained by Engineer as a result of carrying out the responsibilities specifically assigned to Engineer under such Agreement and Construction Contract.
5. This Notice is not a guarantee or warranty of Contractor's performance under the Construction Contract referred to in this Notice, nor an assumption of responsibility for any failure of Contractor to furnish and perform the Work thereunder in accordance with the Contract Documents.

By: Michael E. Michalski
Title: Project Engineer
Dated: January 8, 2020



W233 N2080 Ridgeview Parkway
Waukesha, WI 53188-1020

ANALYSIS OF CLOSEOUT CHANGE ORDER

OWNER: Village of Mukwonago
PROJECT: 2019 Pavement Rehabilitation
DATE PREPARED: 1/2/2020

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT \$	ORIGINAL CONTRACT AMOUNT	ACTUAL QUANTITY INSTALLED	FINAL CONTRACT AMOUNT
VILLAGE HALL							
1	Erosion rolls	LF	15	\$ 10.00	\$ 150.00	20.00	\$ 200.00
2	Full depth sawcutting	L.F.	150	\$ 2.00	\$ 300.00	219.00	\$ 438.00
3	Pulverizing, removals, shaping, and compacting necessary to bring street to	S.Y.	2500	\$ 3.75	\$ 9,375.00	2,500.00	\$ 9,375.00
4	Excavation below subgrade	C.Y.	420.00	\$ 20.00	\$ 8,400.00	150.00	\$ 3,000.00
5	Geotextile subgrade stabilization	S.Y.	1,260.00	\$ 2.00	\$ 2,520.00	0.00	\$ -
6	Excavation below subgrade (EBS) backfill	TON	840.00	\$ 15.00	\$ 12,600.00	78.00	\$ 1,170.00
7	Concrete curb and gutter spot repair	L.F.	70.00	\$ 68.00	\$ 4,760.00	44.00	\$ 2,992.00
8	2-1/2 inch Asphaltic Concrete Binder Course	TON	365.00	\$ 79.00	\$ 28,835.00	355.00	\$ 28,045.00
9	1-1/2 inch Asphaltic Concrete Surface Course	TON	220.00	\$ 84.00	\$ 18,480.00	209.00	\$ 17,556.00
10	Concrete sidewalk and curb ramp spot repair	S.F.	1,570.00	\$ 9.90	\$ 15,543.00	1,864.00	\$ 18,453.60
11	Detectable warning field	S.F.	20.00	\$ 250.00	\$ 5,000.00	16.00	\$ 4,000.00
12	Remove and replace steps	L.S.	1.00	\$ 9,200.00	\$ 9,200.00	1.00	\$ 9,200.00
13	Remove and replace stairs handrails	L.S.	1.00	\$ 10,825.00	\$ 10,825.00	1.00	\$ 10,825.00
14	Remove and replace block retaining wall	S.F.	380.00	\$ 68.00	\$ 25,840.00	364.00	\$ 24,752.00
15	Topsoil, seed, fertilize and mulch	S.Y.	60.00	\$ 12.00	\$ 720.00	150.00	\$ 1,800.00
TOTAL OF ALL ESTIMATED PRICES VILLAGE HALL (ITEMS 1 - 15)					\$ 152,548.00	5,971.00	\$ 131,806.60
FIELD PARK							
16	Erosion rolls	L.F.	200.00	\$ 5.00	\$ 1,000.00	0.00	\$ -
17	Inlet Protection Type B	EA.	1.00	\$ 200.00	\$ 200.00	0.00	\$ -
18	Full depth sawcutting	L.F.	175.00	\$ 2.00	\$ 350.00	105.00	\$ 210.00
19	Pulverizing, removals, shaping, and compacting necessary to bring street to g	S.Y.	5,500.00	\$ 3.50	\$ 19,250.00	5,500.00	\$ 19,250.00
20	Adjust manhole structures to final grade	EA	1.00	\$ 650.00	\$ 650.00	1.00	\$ 650.00
21	Excavation Below Subgrade	C.Y.	275.00	\$ 20.00	\$ 5,500.00	153.00	\$ 3,060.00
22	Geotextile subgrade stabilization	S.Y.	825.00	\$ 2.00	\$ 1,650.00	0.00	\$ -
23	Excavation below subgrade (EBS) backfill	TON	550.00	\$ 17.00	\$ 9,350.00	224.00	\$ 3,808.00
24	2-1/2 inch Asphaltic Concrete Binder Course	TON	800.00	\$ 79.00	\$ 63,200.00	728.00	\$ 57,512.00
25	1-1/2 inch Asphaltic Concrete Surface Course	TON	480.00	\$ 84.00	\$ 40,320.00	467.00	\$ 39,228.00
26	Topsoil, seed, fertilize and mulch	S.Y.	80.00	\$ 12.00	\$ 960.00	263.00	\$ 3,156.00
TOTAL OF ALL ESTIMATED PRICES FIELD PARK (ITEMS 16 - 26)					\$ 142,430.00	7,441.00	\$ 126,874.00
TOTAL OF ALL ESTIMATED BASE BID PRICES					\$ 294,978.00	13,412.00	\$ 258,680.60
MANDATORY ALTERNATE A - FIELD PARK PARKING LOT							
MA-A1	Erosion rolls	L.F.	50.00	\$ 3.00	\$ 150.00	0.00	\$ -
MA-A2	Construct parking lot to subgrade	L.S.	1.00	\$ 3,200.00	\$ 3,200.00	1.00	\$ 3,200.00
MA-A3	4-inch Underdrain	L.F.	270.00	\$ 12.00	\$ 3,240.00	370.00	\$ 4,440.00
MA-A4	Excavation Below Subgrade	C.Y.	25.00	\$ 20.00	\$ 500.00	0.00	\$ -
MA-A5	Geotextile subgrade stabilization	S.Y.	75.00	\$ 2.00	\$ 150.00	0.00	\$ -



W233 N2080 Ridgeview Parkway
Waukesha, WI 53188-1020

ANALYSIS OF CLOSEOUT CHANGE ORDER

OWNER: Village of Mukwonago
PROJECT: 2019 Pavement Rehabilitation
DATE PREPARED: 1/2/2020

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT \$	ORIGINAL CONTRACT AMOUNT	ACTUAL QUANTITY INSTALLED	FINAL CONTRACT AMOUNT
MA-A6	Excavation below subgrade (EBS) backfill	TON	50.00	\$ 15.00	\$ 750.00	0.00	\$ -
MA-A7	Grade and compact parking lot base	L.S.	1.00	\$ 2,500.00	\$ 2,500.00	1.00	\$ 2,500.00
MA-A8	2-1/2-inch Asphaltic Concrete Binder Course	TON	70.00	\$ 79.00	\$ 5,530.00	70.00	\$ 5,530.00
MA-A9	1-1/2-inch Asphaltic Concrete Surface Course	TON	40.00	\$ 84.00	\$ 3,360.00	40.00	\$ 3,360.00
MA-A10	Topsoil, seed, fertilize and mulch	S.Y.	125.00	\$ 12.00	\$ 1,500.00	125.00	\$ 1,500.00
TOTAL OF ALL ESTIMATED PRICES MANDATORY ALTERNATE A (ITEMS MA-A1-MA-A10)					\$ 20,880.00	607.00	\$ 20,530.00
MANDATORY ALTERNATE B - PHANTOM GLEN							
MA-B1	Erosion rolls	L.F.	250.00	\$ 3.00	\$ 750.00	250.00	\$ 750.00
MA-B2	Full depth sawcutting	L.F.	30.00	\$ 5.00	\$ 150.00	20.00	\$ 100.00
MA-B3	5-foot concrete sidewalk	S.F.	900.00	\$ 11.00	\$ 9,900.00	800.00	\$ 8,800.00
MA-B4	Remove and replace sidewalk	S.F.	1,350.00	\$ 10.00	\$ 13,500.00	1,240.00	\$ 12,400.00
MA-B5	Topsoil, seed, fertilize and mulch	S.Y.	165.00	\$ 12.00	\$ 1,980.00	672.00	\$ 8,064.00
TOTAL OF ALL ESTIMATED PRICES MANDATORY ALTERNATE B PHANTOM GLEN (ITEMS MA-B1-MA-B5)					\$ 26,280.00	2,982.00	\$ 30,114.00
TOTAL BID ITEMS 1-26 PLUS MANDATORY ALTERNATES					\$ 342,138.00	17,001.00	\$ 309,324.60
CHANGE ORDERS							
CO-01	Shoulders with 1/2-inch Recycled Asphalt Pavement	L.F.	2,700.00	\$ 4.40	\$ 11,880.00	2,700.00	\$ 11,880.00
CO-02	Excavation of additional concrete at Village Hall	S.F.	261.00	\$ 3.00	\$ 783.00	261.00	\$ 783.00
TOTAL ADDITIONAL ITEMS					\$ 12,663.00	2,961.00	\$ 12,663.00
GRAND TOTALS:					\$ 354,801.00	\$ 19,962.00	\$ 321,987.60

ORIGINAL CONTRACT AMOUNT	\$ 342,138.00
EXECUTED CHANGE ORDER(S)	\$ 12,663.00
CONTRACT PRICE PRIOR TO THIS CLOSE-OUT CHANGE ORDER	\$354,801.00
AMOUNT EARNED ON ORIGINAL CONTRACT ITEMS	\$309,324.60
AMOUNT EARNED ON OTHER ITEMS	\$ 12,663.00
TOTAL AMOUNT EARNED	\$321,987.60
TOTAL AMOUNT EARNED	\$321,987.60
LESS CONTRACT PRICE PRIOR TO THIS CLOSE-OUT CHANGE ORDER	(\$354,801.00)
CLOSE OUT CHANGE ORDER AMOUNT	<u>(\$32,813.40)</u>

Contractor's Application for Payment No. 2-Final

Application Date: 1/2/2020		Application Period: 11/2/2019 to 1/2/2020	
To (Owner): Village of Mukwonago		Via (Engineer): Ruekert & Mielke, Inc.	
From (Contractor): Parking Lot Maintenance, Inc.		Contact: Michael E. Michalski	
Contact: Diana Dykstra	Contact: Tom Opie	Address: W233 N2080 Ridgeview Parkway Waukesha, WI 53188	
Project: 2019 Pavement Rehabilitation		Address: W255 N3178 Duplainville Road, Pewaukee, WI 53072	
Owner's Contract No.:	Contractor's Project No.:	Engineer's Project No.: 12-10112.300	

Change Order Summary

Approved Change Orders				
Number	Additions	Deductions (Enter as Positive Number)		
1	\$11,880.00		1. ORIGINAL CONTRACT PRICE	\$ 342,138.00
2	\$783.00		2. Net change by Change Orders	\$ (20,150.40)
3		\$32,813.40	3. CURRENT CONTRACT PRICE (Line 1 + Line 2)	\$ 321,987.60
			4. TOTAL COMPLETED TO DATE (Column L Total on Progress Estimates)	\$ 321,987.60
			5. RETAINAGE:	
			a. 5% X \$160,993.80 Work Completed	\$ 8,049.69
			6. RETAINAGE REDUCTION TO DATE (Enter as Positive Number) ..	\$ 8,049.69
			7. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5a. + Line 6)	\$ 321,987.60
			8. LESS PREVIOUS PAYMENTS (Line 7 from Prior Application)	\$ 313,117.57
			9. AMOUNT DUE THIS APPLICATION	\$ 8,870.03
TOTALS	\$12,663.00	\$32,813.40		
NET CHANGE BY CHANGE ORDERS	-\$20,150.40			

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge:

(1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment;

(2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner per Article 15 of the General Conditions; and

(3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By:

Date: 1-7-2020

Thomas C. Opie General manager

Payment of: \$ 8,870.03

(Line 9 or other - attach explanation of the other amount)

Recommended by:

Michael E. Michalski (Engineer)

2-Jan-20
(Date)

Payment of: \$ _____

(Line 9 or other - attach explanation of the other amount)

Approved by: _____

(Owner)

(Date)

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

2-Final

For (Project): 2019 Pavement Rehabilitation								Application Date: 1/2/2020			
Application Period: 11/2/2019 to 1/2/2020								Engineer's Project No.: 12-10112.300			
A	B	C	D	E	F	G	H	I	J	K	L
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)
VILLAGE HALL											
1	Erosion rolls	LF	15.00	\$10.00	\$ 150.00	20.00	\$ 200.00		\$ -	20.00	\$ 200.00
2	Full depth sawcutting	L.F.	150.00	\$2.00	\$ 300.00	219.00	\$ 438.00		\$ -	219.00	\$ 438.00
3	Pulverizing, removals, shaping, and compacting necessary to bring	S.Y.	2,500.00	\$3.75	\$ 9,375.00	2,500.00	\$ 9,375.00		\$ -	2,500.00	\$ 9,375.00
4	Excavation below subgrade	C.Y.	420.00	\$20.00	\$ 8,400.00	150.00	\$ 3,000.00		\$ -	150.00	\$ 3,000.00
5	Geotextile subgrade stabilization	S.Y.	1,260.00	\$2.00	\$ 2,520.00		\$ -		\$ -		\$ -
6	Excavation below subgrade (EBS) backfill	TON	840.00	\$15.00	\$ 12,600.00	78.00	\$ 1,170.00		\$ -	78.00	\$ 1,170.00
7	Concrete curb and gutter spot repair	L.F.	70.00	\$68.00	\$ 4,760.00	44.00	\$ 2,992.00		\$ -	44.00	\$ 2,992.00
8	2-1/2 inch Asphaltic Concrete Binder Course	TON	365.00	\$79.00	\$ 28,835.00	355.00	\$ 28,045.00		\$ -	355.00	\$ 28,045.00
9	1-1/2 inch Asphaltic Concrete Surface Course	TON	220.00	\$84.00	\$ 18,480.00	209.00	\$ 17,556.00		\$ -	209.00	\$ 17,556.00
10	Concrete sidewalk and curb ramp spot repair	S.F.	1,570.00	\$9.90	\$ 15,543.00	1,864.00	\$ 18,453.60		\$ -	1,864.00	\$ 18,453.60
11	Detectable warning field	S.F.	20.00	\$250.00	\$ 5,000.00	16.00	\$ 4,000.00		\$ -	16.00	\$ 4,000.00
12	Remove and replace steps	L.S.	1.00	\$9,200.00	\$ 9,200.00	1.00	\$ 9,200.00		\$ -	1.00	\$ 9,200.00
13	Remove and replace stairs handrails	L.S.	1.00	\$10,825.00	\$ 10,825.00	1.00	\$ 10,825.00		\$ -	1.00	\$ 10,825.00
14	Remove and replace block retaining wall	S.F.	380.00	\$68.00	\$ 25,840.00	364.00	\$ 24,752.00		\$ -	364.00	\$ 24,752.00
15	Topsoil, seed, fertalize and mulch	S.Y.	60.00	\$12.00	\$ 720.00	150.00	\$ 1,800.00		\$ -	150.00	\$ 1,800.00
TOTAL OF ALL ESTIMATED PRICES VILLAGE HALL (ITEMS 1 - 15)					\$ 152,548.00		\$ 131,806.60		\$ -		\$ 131,806.60
FIELD PARK											
16	Erosion rolls	L.F.	200.00	\$5.00	\$ 1,000.00		\$ -		\$ -		\$ -
17	Inlet Protection Type B	EA.	1.00	\$200.00	\$ 200.00		\$ -		\$ -		\$ -
18	Full depth sawcutting	L.F.	175.00	\$2.00	\$ 350.00	105.00	\$ 210.00		\$ -	105.00	\$ 210.00
19	Pulverizing, removals, shaping, and compacting necessary to bring	S.Y.	5,500.00	\$3.50	\$ 19,250.00	5,500.00	\$ 19,250.00		\$ -	5,500.00	\$ 19,250.00
20	Adjust manhole structures to final grade	EA	1.00	\$650.00	\$ 650.00	1.00	\$ 650.00		\$ -	1.00	\$ 650.00
21	Excavation Below Subgrade	C.Y.	275.00	\$20.00	\$ 5,500.00	153.00	\$ 3,060.00		\$ -	153.00	\$ 3,060.00
22	Geotextile subgrade stabilization	S.Y.	825.00	\$2.00	\$ 1,650.00		\$ -		\$ -		\$ -
23	Excavation below subgrade (EBS) backfill	TON	550.00	\$17.00	\$ 9,350.00	224.00	\$ 3,808.00		\$ -	224.00	\$ 3,808.00
24	2-1/2 inch Asphaltic Concrete Binder Course	TON	800.00	\$79.00	\$ 63,200.00	728.00	\$ 57,512.00		\$ -	728.00	\$ 57,512.00
25	1-1/2 inch Asphaltic Concrete Surface Course	TON	480.00	\$84.00	\$ 40,320.00	467.00	\$ 39,228.00		\$ -	467.00	\$ 39,228.00
26	Topsoil, seed, fertilize and mulch	S.Y.	80.00	\$12.00	\$ 960.00	263.00	\$ 3,156.00		\$ -	263.00	\$ 3,156.00
TOTAL OF ALL ESTIMATED PRICES FIELD PARK (ITEMS 16 - 26)					\$ 142,430.00		\$ 126,874.00		\$ -		\$ 126,874.00
TOTAL OF ALL ESTIMATED BASE BID PRICES					\$ 294,978.00		\$ 258,680.60		\$ -		\$ 258,680.60
MANDATORY ALTERNATE A - FIELD PARK PARKING LOT											
MA-A1	Erosion rolls	L.F.	50.00	\$3.00	\$ 150.00		\$ -		\$ -		\$ -
MA-A2	Construct parking lot to subgrade	L.S.	1.00	\$3,200.00	\$ 3,200.00	1.00	\$ 3,200.00		\$ -	1.00	\$ 3,200.00
MA-A3	4-inch Underdrain	L.F.	270.00	\$12.00	\$ 3,240.00	370.00	\$ 4,440.00		\$ -	370.00	\$ 4,440.00
MA-A4	Excavation Below Subgrade	C.Y.	25.00	\$20.00	\$ 500.00		\$ -		\$ -		\$ -
MA-A5	Geotextile subgrade stabilization	S.Y.	75.00	\$2.00	\$ 150.00		\$ -		\$ -		\$ -

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

2-Final

For (Project): 2019 Pavement Rehabilitation								Application Date: 1/2/2020			
Application Period: 11/2/2019 to 1/2/2020								Engineer's Project No.: 12-10112.300			
A	B	C	D	E	F	G	H	I	J	K	L
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)
MA-A6	Excavation below subgrade (EBS) backfill	TON	50.00	\$15.00	\$ 750.00		\$ -		\$ -		\$ -
MA-A7	Grade and compact parking lot base	L.S.	1.00	\$2,500.00	\$ 2,500.00	1.00	\$ 2,500.00		\$ -	1.00	\$ 2,500.00
MA-A8	2-1/2-inch Asphaltic Concrete Binder Course	TON	70.00	\$79.00	\$ 5,530.00	70.00	\$ 5,530.00		\$ -	70.00	\$ 5,530.00
MA-A9	1-1/2-inch Asphaltic Concrete Surface Course	TON	40.00	\$84.00	\$ 3,360.00	40.00	\$ 3,360.00		\$ -	40.00	\$ 3,360.00
MA-A10	Topsoil, seed, fertilize and mulch	S.Y.	125.00	\$12.00	\$ 1,500.00	125.00	\$ 1,500.00		\$ -	125.00	\$ 1,500.00
TOTAL OF ALL ESTIMATED PRICES MANDATORY ALTERNATE A					\$ 20,880.00		\$ 20,530.00		\$ -		\$ 20,530.00
MANDATORY ALTERNATE B - PHANTOM GLEN											
MA-B1	Erosion rolls	L.F.	250.00	\$3.00	\$ 750.00	250.00	\$ 750.00		\$ -	250.00	\$ 750.00
MA-B2	Full depth sawcutting	L.F.	30.00	\$5.00	\$ 150.00	20.00	\$ 100.00		\$ -	20.00	\$ 100.00
MA-B3	5-foot concrete sidewalk	S.F.	900.00	\$11.00	\$ 9,900.00	800.00	\$ 8,800.00		\$ -	800.00	\$ 8,800.00
MA-B4	Remove and replace sidewalk	S.F.	1,350.00	\$10.00	\$ 13,500.00	1,240.00	\$ 12,400.00		\$ -	1,240.00	\$ 12,400.00
MA-B5	Topsoil, seed, fertilize and mulch	S.Y.	165.00	\$12.00	\$ 1,980.00	672.00	\$ 8,064.00		\$ -	672.00	\$ 8,064.00
TOTAL OF ALL ESTIMATED PRICES MANDATORY ALTERNATE B					\$ 26,280.00		\$ 30,114.00		\$ -		\$ 30,114.00
TOTAL BID ITEMS 1-MA-B5					\$ 342,138.00		\$ 309,324.60		\$ -		\$ 309,324.60
CHANGE ORDERS											
CO-01	Shoulders with 1/2-inch Recycled Asphalt Pavement	L.F.	2700	\$ 4.40	\$ 11,880.00	2,700.00	\$ 11,880.00		\$ -	2,700.00	\$ 11,880.00
CO-02	Excavation of additional concrete at Village Hall	S.F.	261	\$ 3.00	\$ 783.00	261.00	\$ 783.00		\$ -	261.00	\$ 783.00
TOTAL ADDITIONAL ITEMS					\$ 12,663.00		\$ 12,663.00		\$ -		\$ 12,663.00
TOTAL ALL ITEMS					\$ 354,801.00		\$ 321,987.60		\$ -		\$ 321,987.60

**CONSENT OF
SURETY COMPANY
TO FINAL PAYMENT**

AIA DOCUMENT G707

OWNER []
ARCHITECT []
CONTRACTOR []
SURETY []
OTHER []

PROJECT: 2019 Pavement Rehabilitation
Mukwonago, WI
(name, address)

TO (OWNER)
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

BOND NUMBER: 2415803

CONTRACT DATE: 7/17/2019

CONTRACTOR: PARKING LOT MAINTENANCE, INC.
W225N3178 Duplainville Rd
Pewaukee, WI 53072

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the
(here insert name and address of Surety Company)

West Bend Mutual Insurance Company , 1255 Fourier Drive, Ste 500, Madison, WI 53717 , SURETY COMPANY,
on bond of (here insert name and address of Contractor)

PARKING LOT MAINTENANCE, INC., W225N3178 Duplainville Rd, Pewaukee, WI 53072 , CONTRACTOR,

hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve
the Surety Company of any of its obligations to (here insert name and address of Owner)

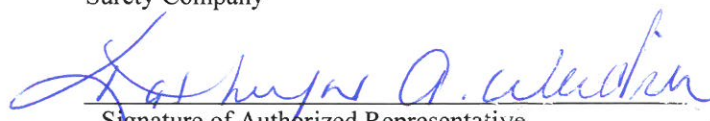
Village of Mukwonago, 440 River Crest Court, Mukwonago, WI 53149 , OWNER,

as set forth in the said Surety Company's bond.

IN WITNESS WHEREOF,
the Surety Company has hereunto set its hand this 1/02/2020

West Bend Mutual Insurance Company
Surety Company

Attest:
(Seal)


Signature of Authorized Representative
Kathryn A. Weidner , Attorney-In-Fact

NOTE: This form is to be used as a companion document to AIA DOCUMENT G706 CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND
CLAIMS, Current Edition.



Power of Attorney

Know all men by these Presents, That West Bend Mutual Insurance Company, a corporation having its principal office in the City of West Bend, Wisconsin does make, constitute and appoint:

Kathryn A. Weidner, Jenny L. Hirth, Jay Zahn

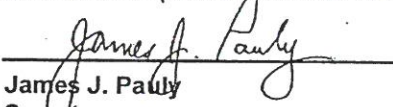
lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety and as its act and deed any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of: \$4,000,000

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of West Bend Mutual Insurance Company at a meeting duly called and held on the 21st day of December, 1999.

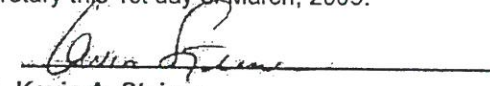
Appointment of Attorney-In-Fact. The president or any vice president, or any other officer of West Bend Mutual Insurance Company may appoint by written certificate Attorneys-in-Fact to act on behalf of the company in the execution of and attesting of bonds and undertakings and other written obligatory instruments of like nature. The signature of any officer authorized hereby and the corporate seal may be affixed by facsimile to any such power of attorney or to any certificate relating therefore and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the company in the future with respect to any bond or undertaking or other writing obligatory in nature to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any said officer at any time.

In witness whereof, the West Bend Mutual Insurance Company has caused these presents to be signed by its president undersigned and its corporate seal to be hereto duly attested by its secretary this 1st day of March, 2009.

Attest


James J. Pauly
Secretary

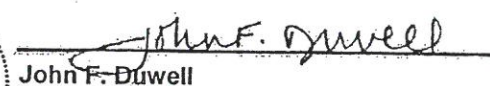



Kevin A. Steiner
Chief Executive Officer / President

State of Wisconsin
County of Washington

On the 1st day of March, 2009 before me personally came Kevin A. Steiner, to me known being by duly sworn, did depose and say that he resides in the County of Washington, State of Wisconsin; that he is the President of West Bend Mutual Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation and that he signed his name thereto by like order.




John F. Duwell
Executive Vice President - Chief Legal Officer
Notary Public, Washington Co. WI
My Commission is Permanent

The undersigned, duly elected to the office stated below, now the incumbent in West Bend Mutual Insurance Company, a Wisconsin corporation authorized to make this certificate, Do Hereby Certify that the foregoing attached Power of Attorney remains in full force effect and has not been revoked and that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at West Bend, Wisconsin this 2nd day of January, 2020




Dale J. Kent
Executive Vice President -
Chief Financial Officer

Notice: Reproductions are not binding on the company. Any questions concerning this Power of Attorney may be directed to the Bond Manager at NSI, a division of West Bend Mutual Insurance Company.

Parking Lot Maintenance Inc

Sub contractors list for 2019 Pavement Rehabilitation Project:

Property Solutions: Retaining wall and landscape restoration

Iron and Wood LLC: Rail for stairway at Village Hall

PMI: Pulverization of parking lot at Village Hall

Material providers:

Asphalt: Payne and Dolan

Gravel and asphalt recycled material: Payne and Dolan

Concrete: Schmitz Ready Mix

WAIVER OF LIEN

January 6, 2020

For value received, We hereby waive all rights and claims for lien on land and on buildings about to be erected, being erected, erected, altered or repaired and to the appurtenances thereunto,

for Village of Mukwonago owner _____,
by Parking Lot Maintenance Inc contractor _____,
for 2019 Pavement Rehabilitation Project

same being situated in Waukesha County, State of Wisconsin, described as
Village Hall - 440 River Crest Ct Mukwonago, WI
Field Park - 303 County Rd NN Mukwonago, WI
Phantom Glen Park - 441 Andrews St, Mukwonago, WI

for all labor performed and for all material furnished for the erection, construction, alteration or repair of said building and appurtenances, except, NONE

Thomas C Opie GM
Thomas C. Opie

WAIVER OF LIEN

For value received, Property Solutions hereby waive January 1, 2020 rights and claims for lien on land and on buildings about to be erected, being erected, erected, altered or repaired and to the appurtenances thereunto, for \$24,000 owner PJM by Property Solutions Contracting contractor _____ for _____ same being situated in Waukesha County, State of Wisconsin, described as Mukwonago Village Hall for PJM

for all labor performed and for all material furnished for the erection, construction, alteration or repair of said building and appurtenances, except, _____

Andrew Nowak

WAIVER OF LIEN

January 3 2020

For value received, we hereby waive all rights and claims for lien on land and on buildings about to be erected, being erected, erected, altered or repaired and to the appurtenances thereunto, owner contractor

for Mukwonago Village Inc
 by Leon and Wood Inc
 for APT Railway County, State of Wisconsin, described as
 same being situated in Waukegan
Village Hall - Mukwonago

for all labor performed and for all material furnished for the erection, construction, alteration or repair of said building and appurtenances, except,

Terry Suthers
Terry Suthers V.P. Ironwood Inc

WISCONSIN LEGAL BLANK CO., INC

WAIVER OF LIEN

Date: 1/03/2020

FOR VALUE RECEIVED, the undersigned waives all rights and claims for lien, including construction lien and/or lien on proceeds in the hands of owner or mortgagee, and/or claim on payment bond, if applicable, and relating to buildings about to be erected, being erected, altered or repaired and to the appurtenances thereunto:

For: Village of Mukwonago (Owner)

By: Parking Lot Maintenance (Contractor)

For: Pulverizing (Division of Work)

Being situated in: Waukesha County

State of: Wisconsin

as described as: 440 River Crest Ct., Mukwonago

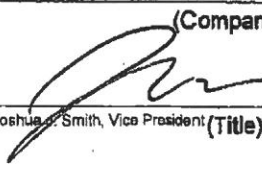
for all labor performed and for all material furnished through 9/26/2019
for the erection, construction, alteration or repair of said building and appurtenances. Unless the last mentioned date blank is complete prior to execution, this is a full, final and complete waiver of all aforementioned interests.

I/WE further certify that all material suppliers have been paid in full for the above referenced construction project.

Pavement Maintenance Inc.

(Company)

by:


Joshua J. Smith, Vice President (Title)

FULL WAIVER OF CONSTRUCTION LIEN

§779.05, Wis. Stats.

Date: November 22, 2019

1. Claimant's Name: Payne & Dolan
Claimant's Address: N3W23650 Badinger Rd, Waukesha, WI 53187
2. Property Improved by Contractor's Work (check one):
☒ Street address: Mukwonago Village, 440 River Crest Ct., Mukwonago, WI
☐ Legal description attached.
3. Contractor's Work furnished at the request of: (name of party which requested or contracted for work)

CUSTOMER NAME: PARKING LOT MAINTENANCE INC.

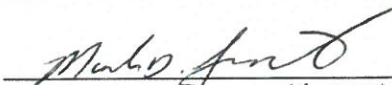
Customer Address: W225 N3178 Duplainville Road

Customer Address: Pewaukee, WI 53072

4. Waiver of lien rights is made for (select one):
☒ The following work: material purchased
(insert description of type of labor, services, material, plans or specifications supplied by Contractor, including percentage performed dollar value, and dates as necessary to accurately describe the Work being waived, stating exceptions, if any)
5. Title Companies, Lenders or others may require disclosure of the Contractor's subcontractors and material suppliers before disbursement of funds related to the Contractor's above-described Work. If so required, specify name(s) of Contractor's subcontractors and material suppliers furnishing any portion of the Work being waived:

(Attach additional sheets if necessary)

CONTRACTOR NAME: PAYNE & DOLAN

By: 

(signature)

Authorized Agent's Name: Mark Genrich

(print name of person signing above)

Title: Agent

Address: N3W23650 Badinger Rd, Waukesha, WI 53187

Telephone Number: 262-524-1700

§779.05 Waivers of Lien. Provides, in part "(1) Any document signed by a lien claimant or potential claimant and purporting to be a waiver of construction lien rights under this subchapter, is valid and binding as a waiver whether or not consideration was paid therefor and whether the document was signed before or after the labor or material was furnished or contracted for. Any ambiguity in such document shall be construed against the person signing it. Any waiver document shall be deemed to waive all lien rights of the signer for all labor, services, material, plans or specifications performed, furnished or procured, or to be performed, furnished or procured by the claimant at any time for the improvement to which the waiver relates, except to the extent that the document specifically and expressly limits the waiver to apply to a particular portion of such labor, services, material, plans or specifications. A lien claimant or potential lien claimant of whom a waiver is requested is entitled to refuse to furnish a waiver unless paid in full for the labor, services, material, plans or specifications to which the waiver relates. A waiver furnished is a waiver of lien rights only, and not of any contract rights of the claimant otherwise existing."

Contractor's failure to pay its subcontractors or material suppliers from monies received for its Work may result in civil or criminal liability under Wisconsin's theft by contractor statute, §779.02(5), Wis. Stats.

WAIVER OF LIEN

For value received, WE Date JANUARY 2, 2020 hereby waive those rights and claims

for lien on land and on buildings being erected, erected, altered or repaired and to the appurtenances thereunto, for

MUKWONAGO VILLAGE, owner,
by PARKING LOT MAINTENANCE INC, contractor,
for READY MIXED CONCRETE

same being situated in MUKWONAGO County, State of Wisconsin,
described as 440 RIVER CREST CT

MUKWONAGO

for all labor performed and for all material furnished for the erection, construction, alteration or repair of said building and appurtenances up until the date of this waiver, not hereby waiving a right to lien for future labor or material.

PROVIDED FURTHER, consideration for this waiver is payment of the sum of NONE

If such sum is not received, this waiver is null and void.

SCHMITZ READY-MIX, INC.

Jerome Kultgen
Vice President

WAIVER OF LIEN



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/8/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER R&R Insurance Services Inc 1581 E Racine Avenue PO Box 1610 Waukesha WI 53187-1610	CONTACT NAME: Erin Stelpflug PHONE (A/C, No, Ext): (262)574-7000 FAX (A/C, No): (262)574-7080 E-MAIL ADDRESS: Erin.Stelpflug@rrins.com														
INSURED Parking Lot Maintenance Inc W225N3178 Duplainville Rd Pewaukee WI 53072-4135	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: left;">NAIC #</th> </tr> <tr> <td>INSURER A: West Bend Mutual Ins. Co.</td> <td>15350</td> </tr> <tr> <td>INSURER B: Evanston Ins. Co.</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: West Bend Mutual Ins. Co.	15350	INSURER B: Evanston Ins. Co.		INSURER C:		INSURER D:		INSURER E:		INSURER F:	
INSURER(S) AFFORDING COVERAGE	NAIC #														
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INSURER C:															
INSURER D:															
INSURER E:															
INSURER F:															

COVERAGES
CERTIFICATE NUMBER:19/20
REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY	X		2075202	4/4/2019	4/4/2020	EACH OCCURRENCE \$ 1,000,000
	☐ CLAIMS-MADE ☒ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
	☒ Blanket WOS						MED EXP (Any one person) \$ 10,000
	☒ Blanket AI/PNC						PERSONAL & ADV INJURY \$ 1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC ☐ OTHER:							GENERAL AGGREGATE \$ 2,000,000
				WB1482Z 06/06			PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY			2075202	4/4/2019	4/4/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	☒ ANY AUTO						BODILY INJURY (Per person) \$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident) \$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident) \$
	☒ Blanket WOS		CA0444 10/13				\$
A	UMBRELLA LIAB ☒ OCCUR			2075202	4/4/2019	4/4/2020	EACH OCCURRENCE \$ 10,000,000
	EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE \$ 10,000,000
	☐ DED ☒ RETENTION \$ 0						WB2518 01/18
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	Y/N	N/A	0756913	4/4/2019	4/4/2020	☒ PER STATUTE ☐ OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT \$ 100,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 100,000
							E.L. DISEASE - POLICY LIMIT \$ 500,000
	Blanket WOS WC000313 04/84						
B	Pollution Liability			CPLMOL100611	5/3/2019	5/3/2020	Limit \$ \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Village of Mukwonago and Ruekert-Mielke Inc are Additional Insureds for General Liability including ongoing and completed operations per the above referenced form when required by written contract. Ted & Sal Balistreri are excluded from Work Comp.

CERTIFICATE HOLDER
CANCELLATION

Village of Mukwonago
440 Rivercrest Ct
Mukwonago, WI 53149-1759

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

J Vanderveldt/ES627

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Additional Named Insureds

Other Named Insureds

PLM Paving & Concrete, LLC	Limited Liability Company, Insured Multiple Names
PLM Paving II, LLC	
Stone Coatings & Asphalt Maintenance LLC	
T J's Leasing	Insured Multiple Names
T&T LLC	
Theodore J Balestreri & Salvatore J Balestreri	Additional Named Insured

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – CONTRACTOR'S BLANKET (BROAD FORM)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

- A. WHO IS AN INSURED (Section II)** is amended to include as an additional insured any person or organization whom you are required to add as an additional insured on this policy under a written contract or written agreement.

The written contract or written agreement must be:

1. Currently in effect or becoming effective during the term of this policy; and
2. Executed prior to the "bodily injury," "property damage," "personal injury and advertising injury."

- B.** The insurance provided to the additional insured is limited as follows:

1. That person or organization is only an additional insured with respect to liability arising out of:
 - a. Your premises;
 - b. "Your work" for that additional insured; or
 - c. Acts or omissions of the additional insured in connection with the general supervision of "your work."
2. The Limits of Insurance applicable to the additional insured are those specified in the written contract or written agreement or in the Declarations for this policy, whichever is less. These Limits of Insurance are inclusive and not in addition to the Limits of Insurance shown in the Declarations.

3. Except when required by written contract or written agreement, the coverage provided to the additional insured by this endorsement does not apply to:

- a. "Bodily injury" or "property damage" occurring after:

- (1) All work on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured at the site of the covered operations has been completed; or
- (2) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as part of the same project.

- b. "Bodily injury" or "property damage" arising out of acts or omissions of the additional insured other than in connection with the general supervision of "your work."

4. The insurance provided to the additional insured does not apply to "bodily injury," "property damage," "personal injury and advertising injury" arising out of an architect's, engineer's, or surveyor's rendering of or failure to render any professional services including;

- a. The preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and
- b. Supervisory, or inspection activities performed as part of any related architectural or engineering activities.

- C. As respects the coverage provided under this endorsement, Paragraph **4.b. SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS** is amended with the addition of the following:

4. Other insurance

b. Excess insurance

This insurance is excess over:

Any other valid and collectible insurance available to the additional insured whether primary, excess, contingent or on any other basis unless a written contract specifically requires that this insurance be either primary or primary and noncontributing. Where required by written contract, we will consider any other insurance maintained by the additional insured for injury or damage covered by this endorsement to be excess and noncontributing with this insurance.

When this insurance is excess, as a condition of coverage, the additional insured shall be obligated to tender the defense and indemnity of every claim or suit to all other insurers that may provide coverage to the additional insured, whether on a contingent, excess or primary basis.

AGENDA ITEM REQUEST FORM

Committee/Board:	Village Board
Topic:	Motion to approve the Purchase requisition for one new squad 2020 Dodge Durango in the amount of \$32,019 from Lynch Chrysler Dodge Jeep.
From:	Diana Dykstra
Department:	Police
Presenter:	Police Chief Kevin Schmidt
Date of Committee Action (if required)	February 5, 2020
Date of Village Board Action (if required)	February 19, 2020

Information

Subject:

Motion to approve the Purchase requisition for one new squad 2020 Dodge Durango in the amount of \$32,019 from Lynch Chrysler Dodge Jeep.

Background Information/Rationale:

This 2020 Dodge Durango Pursuit AWD SUV will become the new supervisor squad #28. The current supervisor squad #28, a 2016 Ford Interceptor with 21,000 miles, will be wrapped with white doors and be up-fitted for patrol use. This will replace 2017 Ford Interceptor, squad #34, with over 75,000 miles. Squad 34 is not the squad with the most miles but it has the most mechanical issues. This squad has an electrical problem that drains the battery if not used after a few hours. Its unreliable and not used for primary patrol duties.

We are going this route as 2020 Ford Interceptors and Chevrolet Tahoes are not in production any longer. We recently learned that they stopped production and had to be ordered prior to October of 2019. The Ford Interceptors and Chevrolet Tahoes are switching over their vehicles with new body styles. We searched for 2020 State price models but did not find available squads. We spoke to our squad equipment vender and he stated that most of the equipment we currently use will not transfer over to the new body styles.

Key Issues for Consideration:

Lynch will match the State of Wisconsin bid of \$32,019 for a 2020 Dodge Durango Pursuit AWD with a V8.

Fiscal Impact (if any):

A new squad was budgeted for in the 2020 Capital budget.

Requested Action by Committee/Board:

Attachments

[Lynch Dodge Durango bid.pdf](#)

[2020 Squad purchase order](#)

LYNCH CHRYSLER DODGE JEEP, INC.
282 WOLF RUN
MUKWONAGO, WI 531498470

Configuration Preview

Date Printed: 2019-12-16 1:08 PM
Estimated Ship Date:

VIN:
VON:

Quantity: 1
Status: BA - Pending order
FAN 1: 00E6R Village of Mukwonago
FAN 2:
Client Code:
Bid Number: TB0097
PO Number:

Sold to:
LYNCH CHRYSLER DODGE JEEP, INC. (60321)
282 WOLF RUN
MUKWONAGO, WI 531498470

Ship to:
LYNCH CHRYSLER DODGE JEEP, INC. (60321)
282 WOLF RUN
MUKWONAGO, WI 531498470

Vehicle:

2020 DURANGO PURSUIT AWD (WDEE75)

	Sales Code	Description	MSRP(USD)
Model:	WDEE75	DURANGO PURSUIT AWD	34,870
Package:	2BZ	Customer Preferred Package 2BZ	0
	ERC	3.6L V6 24V VVT Engine Upg I w/ESS	0
	DFT	8-Spd Auto 850RE Trans (Make)	0
Paint/Seat/Trim:	PXJ	DB Black Clear Coat	0
	APA	Monotone Paint	0
	*H7	Cloth Low-Back Bucket Seats	0
	-X9	Black	0
Options:	4DH	Prepaid Holdback	0
	4ES	Delivery Allowance Credit	0
	MAF	Fleet Purchase Incentive	0
	AHX	Trailer Tow Group IV	845
	ADL	Skid Plate Group	295
	5N6	Easy Order	0
	4FM	Fleet Option Editor	0
	4FT	Fleet Sales Order	0
	151	Zone 51-Chicago	0
	4EA	Sold Vehicle	0
Non Equipment:	4FA	Special Bid-Ineligible For Incentive	0
Bid Number:	TB0097	Government Incentives	0
Discounts:	NAS	50 State Emissions	0
	YG1	7.5 Additional Gallons of Gas	0
Destination Fees:			1,495

Total Price: 37,505 .

Order Type: Fleet
Scheduling Priority: 1-Sold Order
Salesperson:
Customer Name:
Customer Address:

PSP Month/Week:
Build Priority: 99

Instructions:

USA

V6

V8

\$ 29443

\$ 32019

V8 Performance
Package
Suspension

Note: This is not an invoice. The prices and equipment shown on this priced order confirmation are tentative and subject to change or correction without prior notice. No claims against the content listed or prices quoted will be accepted. Refer to the vehicle invoice for final vehicle content and pricing. Orders are accepted only when the vehicle is shipped by the factory.

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VILLAGE OF MUKWONAGO PURCHASE REQUISITION

PLEASE TYPE OR PRINT IN INK CLEARLY ON THIS FORM

DATE:	February 5 th 2020	NUMBER:	
--------------	-------------------------------	----------------	--

VENDOR NAME & ADDRESS:	SHIP TO:
Lynch Chrysler Dodge Jeep 282 Wolf Run Mukwonago, WI 53149	Village of Mukwonago Police Department 627 S. Rochester Street Mukwonago, WI 53149

DEPT NAME:	SUGGESTED VENDOR	AUTHORIZED SIGNATURE
Police Department	Lynch Chrysler Dodge Jeep	Chief Kevin Schmidt

BUDGETED ITEM?	Yes	BUDGETED SOURCE:	Capital Budget
-----------------------	-----	-------------------------	----------------

ITEM	QTY	DESCRIPTION	UNIT PRICE	AMOUNT	ACCT #
1	1	2020 Dodge Durango Pursuit AWD	\$ 32,019.00	\$ 32,019.00	#430-5700-5711
			TOTAL	\$ 32,019.00	

FINANCE COMMITTEE USE ONLY	
APPROVED (COMMITTEE INITIALS):	
DATE:	
SPECIAL INSTRUCTIONS	

AGENDA ITEM REQUEST FORM

Committee/Board:	Village Board
Topic:	Motion to approve TID #5 Phase 2 Public Improvements Close-out Change Order and Final Payment.
From:	Diana Dykstra
Department:	Public Works
Presenter:	Jerad Wegner
Date of Committee Action (if required)	February 5, 2020
Date of Village Board Action (if required)	February 19, 2020

Information

Subject:

Motion to approve TID #5 Phase 2 Public Improvements Close-out Change Order and Final Payment.

Background Information/Rationale:

Rams Contracting, Ltd., has completed the TID #5 Phase 2 Public Improvements project and has submitted a final Application for Payment and furnished the enclosed Contract-required items: Consent of Surety to Final Payment, list of Subcontractors, Suppliers, and service providers performing, furnishing, or procuring labor, services and materials on the Project, releases or waivers of lien from first tier Subcontractors and Suppliers, and certificate or other evidence of completed operations insurance.

Key Issues for Consideration:

In accordance with paragraph 15.08 of the General Conditions, the Contractor is required to promptly repair or correct defective Work for a period of one year from the date of Substantial Completion which was August 20, 2019.

Fiscal Impact (if any):

The original Contract Price was \$1,195,692.85 and the final amount earned for the TID #5 Phase 2 Public Improvements project is \$1,263,173.91. With the final Change Order No. 6, TID #5 Phase 2 Public Improvements project is at 5.64% for contingencies.

Requested Action by Committee/Board:

Attachments

January 24, 2020

Mr. Fred Winchowky
Village President
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

Re: TID #5 Phase 2 Public Improvements
Final Payment

Dear President Winchowky:

Enclosed with this letter please find Change Order No. 6. This Change Order serves to adjust the final Contract Price to reflect the actual completed Work. Please have Change Order No. 6 signed and dated, and return an executed copy to our office for further distribution.

In accordance with the Contract Documents, the Contractor for this Project, Rams Contracting, Ltd., has submitted a final Application for Payment and has furnished the enclosed Contract-required items:

1. Consent of Surety to Final Payment.
2. List of Subcontractors, Suppliers, and service providers performing, furnishing, or procuring labor, services and materials on the Project.
3. Releases or waivers of lien from first tier Subcontractors and Suppliers.
4. Certificate or other evidence of completed operations insurance.

You may want to have your legal counsel and insurance advisor review the respective lien waivers, bonding, and insurance documents to verify legal effectiveness. If all are satisfactory, we recommend final payment, and give notice (enclosed), that the completed Work is acceptable subject to the provisions of General Conditions paragraph 15.07.

In accordance with paragraph 15.08 of the General Conditions, the Contractor is required to promptly repair or correct defective Work for a period of one year from the date of Substantial Completion which was August 20, 2019. You may wish to review the Project a month or so before the anniversary date to check for any warranty items. If we can be of assistance to you in this regard, please contact us.

Respectfully,

RUEKERT & MIELKE, INC.



Michael E. Michalski
Project Engineer
mmichalski@ruekert-mielke.com

MEM:tmg

Enclosures

cc: John Weidl, Village of Mukwonago
Eric Warden, Rams Contracting, Ltd.
Steve Schlei, Rams Contracting, Ltd.
Jerad J. Wegner, P.E., Ruekert & Mielke, Inc.

NOTICE OF ACCEPTABILITY OF WORK

PROJECT: TID #5 Phase 2 Public Improvements
OWNER: Village of Mukwonago
CONTRACTOR: Rams Contracting, Ltd.
EFFECTIVE DATE OF THE CONSTRUCTION CONTRACT: November 11, 2018
ENGINEER: Ruekert & Mielke, Inc.
NOTICE DATE: January 24, 2020

To: Village of Mukwonago
Owner

And To: Rams Contracting, Ltd.
Contractor

From: Ruekert & Mielke, Inc.
Engineer

The Engineer hereby gives notice to the above Owner and Contractor that the completed Work furnished and performed by Contractor under the above Contract is acceptable expressly subject to the provisions of the related Contract Documents, the Agreement between Owner and Engineer for Professional Services and the terms and conditions set forth as follows:

CONDITIONS OF NOTICE OF ACCEPTABILITY OF WORK

The Notice of Acceptability of Work ("Notice") is expressly made subject to the following terms and conditions to which all those who receive said Notice and rely thereon agree:

1. This Notice is given with the skill and care ordinarily used by members of the engineering profession practicing under similar conditions at the same time and in the same locality.
2. This Notice reflects and is an expression of the professional judgment of Engineer.
3. This Notice is given as to the best of Engineer's knowledge, information, and belief as of the Notice Date.
4. This Notice is based entirely on and expressly limited by the scope of services Engineer has been employed by Owner to perform or furnish during construction of the Project (including observation of the Contractor's work) under Engineer's Agreement with Owner and under the Construction Contract referred to in this Notice, and applies only to facts that are within Engineer's knowledge or could reasonably have been ascertained by Engineer as a result of carrying out the responsibilities specifically assigned to Engineer under such Agreement and Construction Contract.
5. This Notice is not a guarantee or warranty of Contractor's performance under the Construction Contract referred to in this Notice, nor an assumption of responsibility for any failure of Contractor to furnish and perform the Work thereunder in accordance with the Contract Documents.

By: 
Michael E. Michalski

Title: Project Engineer

Dated: January 24, 2020

Date of Issuance: January 2, 2020

Effective Date:

January 2, 2020

Contract: TID #5 Phase 2 Public Improvements

Owner:

Village of Mukwonago

Contractor: Rams Contracting, Inc.

Engineer:

Ruekert & Mielke, Inc.

Address: P. O. Box 398

Engineer's Project No.:

12-10068.310

Lannon, WI 53046

Effective Date of Contract:

November 11, 2018

The Contract is modified as follows upon execution of this Change Order:

Description:

Closeout Change Order

Reason for Change Order:

Change Contract price to match amount earned.

Attachments:

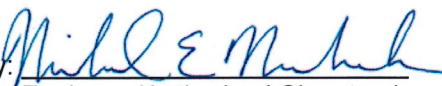
Closeout Change Order Analysis and Final Pay Application No. 9

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price \$ <u>1,195,692.85</u>	Original Contract Times: Substantial Completion: <u>June 7, 2019</u> Ready for Final Payment: <u>July 19, 2019</u> days or dates
Increase from previously approved Change Orders No. 1 to No. <u>5</u> : \$ <u>50,746.56</u>	Increase from previously approved Change Orders No. <u>1</u> to No. <u>5</u> : Substantial Completion: <u>98 days</u> Ready for Final Payment: <u>98 days</u> days
Contract Price prior to this Change Order: \$ <u>1,246,439.41</u>	Contract Times prior to this Change Order: Substantial Completion: <u>September 13, 2019</u> Ready for Final Payment: <u>October 25, 2019</u> days or dates
Increase of this Change Order: \$ <u>16,734.50</u>	Changes from this Change Order: Substantial Completion: <u>0</u> Ready for Final Payment: <u>0</u> days or dates
Contract Price incorporating this Change Order: \$ <u>1,263,173.91</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>September 13, 2019</u> Ready for Final Payment: <u>October 25, 2019</u> days or dates

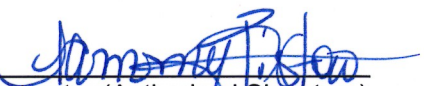
RECOMMENDED:

ACCEPTED:

ACCEPTED:

By: 
 Engineer (Authorized Signature)
 Michael E. Michalski
 Ruekert & Mielke, Inc.

By: _____
 Owner (Authorized Signature)
 Village of Mukwonago

By: 
 Contractor (Authorized Signature)
 Rams Contracting, Inc.

Date: January 2, 2020

Date: _____

Date: 1.21.20



W233 N2080 Ridgeview Parkway
Waukesha, WI 53188-1020

ANALYSIS OF CLOSE-OUT CHANGE ORDER

OWNER: Village of Mukwonago

PROJECT: TID #5 Phase 2 - Public Improvements

DATE PREPARED: 2-Jan-20

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT \$	ORIGINAL CONTRACT AMOUNT	ACTUAL QUANTITY INSTALLED	FINAL CONTRACT AMOUNT
1	Rams Contracting, LTD	L.S.	1	\$ 57,815.00	\$ 57,815.00	1.00	\$ 57,815.00
2	Traffic control	L.S.	1	\$ 1,500.00	\$ 1,500.00	1.00	\$ 1,500.00
3	Tracking pad	S.F.	4800	\$ 1.07	\$ 5,136.00	4,675.00	\$ 5,002.25
4	Project identification signs	L.S.	1.00	\$ 990.00	\$ 990.00	0.00	\$ -
5	Silt fence	L.F.	3,700.00	\$ 1.35	\$ 4,995.00	2,885.00	\$ 3,894.75
6	Manufactured ditch check	EA.	3.00	\$ 120.00	\$ 360.00	3.00	\$ 360.00
7	Inlet sediment guards, Type C	EA.	15.00	\$ 55.00	\$ 825.00	15.00	\$ 825.00
8	Temporary seed and mulch	S.Y.	6,000.00	\$ 0.50	\$ 3,000.00	4,924.00	\$ 2,462.00
9	Grading	L.S.	1.00	\$ 38,344.00	\$ 38,344.00	1.00	\$ 38,344.00
10	Topsoil stripping and stockpile	S.Y.	44,000.00	\$ 0.42	\$ 18,480.00	44,000.00	\$ 18,480.00
11	Dust control using calcium chloride	100 LBS.	10.00	\$ 237.00	\$ 2,370.00	0.00	\$ -
12	Dust control using water	1,000 GAL.	10.00	\$ 95.70	\$ 957.00	0.00	\$ -
13	Full depth saw cutting	L.F.	40.00	\$ 12.50	\$ 500.00	43.00	\$ 537.50
14	Sanitary sewer, 12-inch, w/granular backfill	L.F.	1,156.00	\$ 122.00	\$ 141,032.00	1,161.00	\$ 141,642.00
15	Sanitary sewer manholes	V.F.	83.00	\$ 202.00	\$ 16,766.00	84.27	\$ 17,022.54
16	Sanitary sewer lateral, 6-inch with cleanout	L.F.	291.00	\$ 98.00	\$ 28,518.00	291.00	\$ 28,518.00
17	Internal/external sanitary manhole chimney seal	EA.	6.00	\$ 500.00	\$ 3,000.00	6.00	\$ 3,000.00
18	Water main, 8-inch, w/granular backfill	L.F.	312.00	\$ 74.00	\$ 23,088.00	308.00	\$ 22,792.00
19	Water main, 16-inch, w/granular backfill	L.F.	1,193.00	\$ 111.00	\$ 132,423.00	1,190.00	\$ 132,090.00
20	Hydrant lead, 6-inch	L.F.	60.00	\$ 245.00	\$ 14,700.00	59.08	\$ 14,474.60
21	Hydrant assembly w/6-inch valve	EA.	6.00	\$ 4,600.00	\$ 27,600.00	6.00	\$ 27,600.00
22	Water main valves, 8-inch gate valve	EA.	5.00	\$ 1,600.00	\$ 8,000.00	5.00	\$ 8,000.00
23	Water main valves, 16-inch butterfly valve	EA.	4.00	\$ 3,000.00	\$ 12,000.00	4.00	\$ 12,000.00
24	Storm sewer main, 12-inch RCP, w/granular backfill	L.F.	211.00	\$ 58.00	\$ 12,238.00	213.00	\$ 12,354.00
25	Storm sewer main, 15-inch RCP, w/granular backfill	L.F.	391.00	\$ 76.00	\$ 29,716.00	391.00	\$ 29,716.00
26	Storm sewer main, 18-inch RCP, w/granular backfill	L.F.	440.00	\$ 79.00	\$ 34,760.00	440.00	\$ 34,760.00
27	Storm sewer main, 24-inch RCP, w/granular backfill	L.F.	64.00	\$ 92.00	\$ 5,888.00	64.00	\$ 5,888.00
28	Storm sewer manholes, 48-inch w/frame and cover	EA.	6.00	\$ 1,600.00	\$ 9,600.00	6.00	\$ 9,600.00
29	Catch basin, w/frame and grate	EA.	13.00	\$ 2,200.00	\$ 28,600.00	13.00	\$ 28,600.00
30	Construct roadway to subgrade	L.S.	1.00	\$ 131,620.00	\$ 131,620.00	1.00	\$ 131,620.00
31	Excavation below subgrade	C.Y.	560.00	\$ 18.70	\$ 10,472.00	1,660.30	\$ 31,047.61
32	Geotextile subgrade stabilization	S.Y.	1,680.00	\$ 2.50	\$ 4,200.00	5,472.50	\$ 13,681.25
33	Excavation below subgrade (EBS) backfill	TON	1,120.00	\$ 18.65	\$ 20,888.00	2,903.56	\$ 54,151.39
34	Crushed aggregate for road base	TON	5,360.00	\$ 18.90	\$ 101,304.00	6,032.59	\$ 114,015.95
35	30-inch concrete curb and gutter	L.F.	2,576.00	\$ 13.10	\$ 33,745.60	2,578.00	\$ 33,778.80
36	Asphaltic concrete binder course	TON	1,425.00	\$ 68.75	\$ 97,968.75	1,241.61	\$ 85,333.33

ANALYSIS OF CLOSE-OUT CHANGE ORDER

OWNER: Village of Mukwonago

PROJECT: TID #5 Phase 2 - Public Improvements

DATE PREPARED: 2-Jan-20

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT \$	ORIGINAL CONTRACT AMOUNT	ACTUAL QUANTITY INSTALLED	FINAL CONTRACT AMOUNT
37	Asphaltic concrete surface course	TON	680.00	\$ 71.50	\$ 48,620.00	710.00	\$ 50,765.00
38	Concrete sidewalk and curb ramp	S.F.	340.00	\$ 10.50	\$ 3,570.00	465.00	\$ 4,882.50
39	Detectable Warning Field	S.F.	64.00	\$ 60.00	\$ 3,840.00	66.00	\$ 3,960.00
40	3-inch asphaltic concrete multi-use path	S.F.	12,215.00	\$ 1.90	\$ 23,208.50	11,992.00	\$ 22,784.80
41	Topsoil, turf grass seed, fertilizer and hydro-mulch	S.Y.	10,000.00	\$ 1.83	\$ 18,300.00	10,396.00	\$ 19,024.68
42	Topsoil, no-mow seed and hydro-mulch	S.Y.	28,000.00	\$ 1.16	\$ 32,480.00	29,040.00	\$ 33,686.40
43	Traffic signs	EA.	7.00	\$ 150.00	\$ 1,050.00	7.00	\$ 1,050.00
44	Traffic sign posts	EA.	7.00	\$ 175.00	\$ 1,225.00	7.00	\$ 1,225.00
SUBTOTAL OF ORIGINAL CONTRACT ITEMS					\$ 1,195,692.85		\$ 1,258,304.71
ADDITIONAL ITEMS							
45	Change Order No. 1 Silt Sock	L.F.	800	\$ 2.48	\$ 1,984.00	\$ 740.00	\$ 1,835.20
46	Change Order No. 1 no dollar change				\$ -	\$ -	\$ -
47	Change Order No. 3 connect 6" drain tile to inlet	EA.	3	\$ 550.00	\$ 1,650.00	\$ 2.00	\$ 1,100.00
48	Change Order No. 3 6" drain tile in sock	L.F.	500	\$ 2.00	\$ 1,000.00	\$ 217.00	\$ 434.00
49	Change Order No. 4 add'l quantity for Item #31, 32, 33, 34, 36 (estimate)	L.S.	1	\$ 44,612.56	\$ 44,612.56	\$ -	\$ -
50	Change Order No. 5 additional asphalt paver mobilization	L.S.	1	\$ 1,500.00	\$ 1,500.00	\$ 1.00	\$ 1,500.00
SUBTOTAL OF ADDITIONAL ITEMS					\$ 50,746.56		\$ 4,869.20
GRAND TOTALS:					\$ 1,246,439.41		\$ 1,263,173.91

ORIGINAL CONTRACT AMOUNT	\$1,195,692.85
EXECUTED CHANGE ORDER(S)	\$ 50,746.56
CONTRACT PRICE PRIOR TO THIS CLOSE-OUT CHANGE ORDER	\$1,246,439.41
AMOUNT EARNED ON ORIGINAL CONTRACT ITEMS	\$1,258,304.71
AMOUNT EARNED ON OTHER ITEMS	\$4,869.20
TOTAL AMOUNT EARNED	\$1,263,173.91
TOTAL AMOUNT EARNED	\$1,263,173.91
LESS CONTRACT PRICE PRIOR TO THIS CLOSE-OUT CHANGE ORDER	(\$1,246,439.41)
CLOSE OUT CHANGE ORDER AMOUNT	<u>\$16,734.50</u>

Contractor's Application for Payment No. 9-Final

		Application Date: 1/2/2020	Application Period: To 01/02/2020
To (Owner): Village of Mukwonago		From (Contractor): Rams Contracting, LTD	Via (Engineer): Ruekert & Mielke, Inc.
Contact: Ron Bittner - cc: Linda Gourdeaux, Diana Doherty		Contact: Chad Johnson	Contact: Michael E. Michalski, P.E.
Project: TID #5 Phase 2 - Public Improvements		Address: P.O. Box 398 Lannon, WI 53046	Address: W233 N2080 Ridgeview Parkway Waukesha, WI 53188
Owner's Contract No.:		Contractor's Project No.:	Engineer's Project No.: 12-10068.310

Change Order Summary

Approved Change Orders		
Number	Additions	Deductions (Enter as Positive Number)
1	\$1,984.00	
2 (\$0 change order)		
3	\$2,650.00	
4	\$44,612.56	
5	\$1,500.00	
6	\$16,734.50	
TOTALS		
NET CHANGE BY CHANGE ORDERS		\$67,481.06

1. ORIGINAL CONTRACT PRICE	\$ 1,195,692.85
2. Net change by Change Orders	\$ 67,481.06
3. CURRENT CONTRACT PRICE (Line 1 + Line 2)	\$ 1,263,173.91
4. TOTAL COMPLETED TO DATE	
(Column L Total on Progress Estimates)	\$ 1,263,173.91
5. RETAINAGE:	
a. 5% X \$631,586.96 Work Completed	\$ 31,579.35
6. RETAINAGE REDUCTION TO DATE (Enter as Positive Number)	\$ 31,579.35
7. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5a. + Line 6)	\$ 1,263,173.91
8. LESS PREVIOUS PAYMENTS (Line 7 from Prior Application)	\$ 1,232,012.92
9. AMOUNT DUE THIS APPLICATION	\$ 31,160.99

Contractor's Certification

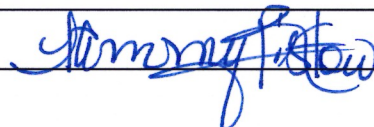
The undersigned Contractor certifies that to the best of its knowledge:

(1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment;

(2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner per Article 15 of the General Conditions; and

(3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By:



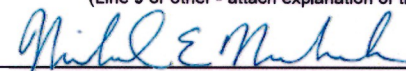
Date:

1.21.20

Payment of: \$ 31,160.99

(Line 9 or other - attach explanation of the other amount)

Recommended by:


(Engineer) Michael E. Michalski

1/2/2020

(Date)

Payment of:

\$

(Line 9 or other - attach explanation of the other amount)

Approved by:

(Owner)

(Date)

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

9-Final

For (Project): TID #5 Phase 2 - Public Improvements								Application Date: 1/2/2020			
Application Period: To 01/02/2020								Engineer's Project No.: 12-10068.310			
A	B	C	D	E	F	G	H	I	J	K	L
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)
1	Rams Contracting, LTD	L.S.	1.00	\$ 57,815.00	\$ 57,815.00	1.00	\$ 57,815.00		\$ -	1.00	\$ 57,815.00
2	Traffic control	L.S.	1.00	\$ 1,500.00	\$ 1,500.00	1.00	\$ 1,500.00		\$ -	1.00	\$ 1,500.00
3	Tracking pad	S.F.	4,800.00	\$ 1.07	\$ 5,136.00	4,675.00	\$ 5,002.25		\$ -	4,675.00	\$ 5,002.25
4	Project identification signs	L.S.	1.00	\$ 990.00	\$ 990.00		\$ -		\$ -		\$ -
5	Silt fence	L.F.	3,700.00	\$ 1.35	\$ 4,995.00	2,885.00	\$ 3,894.75		\$ -	2,885.00	\$ 3,894.75
6	Manufactured ditch check	EA.	3.00	\$ 120.00	\$ 360.00	3.00	\$ 360.00		\$ -	3.00	\$ 360.00
7	Inlet sediment guards, Type C	EA.	15.00	\$ 55.00	\$ 825.00	15.00	\$ 825.00		\$ -	15.00	\$ 825.00
8	Temporary seed and mulch	S.Y.	6,000.00	\$ 0.50	\$ 3,000.00	4,924.00	\$ 2,462.00		\$ -	4,924.00	\$ 2,462.00
9	Grading	L.S.	1.00	\$ 38,344.00	\$ 38,344.00	1.00	\$ 38,344.00		\$ -	1.00	\$ 38,344.00
10	Topsoil stripping and stockpile	S.Y.	44,000.00	\$ 0.42	\$ 18,480.00	44,000.00	\$ 18,480.00		\$ -	44,000.00	\$ 18,480.00
11	Dust control using calcium chloride	100 LBS.	10.00	\$ 237.00	\$ 2,370.00		\$ -		\$ -		\$ -
12	Dust control using water	1,000	10.00	\$95.70	\$ 957.00		\$ -		\$ -		\$ -
13	Full depth saw cutting	L.F.	40.00	\$12.50	\$ 500.00	43.00	\$ 537.50		\$ -	43.00	\$ 537.50
14	Sanitary sewer, 12-inch, w/granular backfill	L.F.	1,156.00	\$122.00	\$ 141,032.00	1,161.00	\$ 141,642.00		\$ -	1,161.00	\$ 141,642.00
15	Sanitary sewer manholes	V.F.	83.00	\$202.00	\$ 16,766.00	84.27	\$ 17,022.54		\$ -	84.27	\$ 17,022.54
16	Sanitary sewer lateral, 6-inch with cleanout	L.F.	291.00	\$98.00	\$ 28,518.00	291.00	\$ 28,518.00		\$ -	291.00	\$ 28,518.00
17	Internal/external sanitary manhole chimney seal	EA.	6.00	\$500.00	\$ 3,000.00	6.00	\$ 3,000.00		\$ -	6.00	\$ 3,000.00
18	Water main, 8-inch, w/granular backfill	L.F.	312.00	\$74.00	\$ 23,088.00	308.00	\$ 22,792.00		\$ -	308.00	\$ 22,792.00
19	Water main, 16-inch, w/granular backfill	L.F.	1,193.00	\$111.00	\$ 132,423.00	1,190.00	\$ 132,090.00		\$ -	1,190.00	\$ 132,090.00
20	Hydrant lead, 6-inch	L.F.	60.00	\$245.00	\$ 14,700.00	59.08	\$ 14,474.60		\$ -	59.08	\$ 14,474.60
21	Hydrant assembly w/6-inch valve	EA.	6.00	\$4,600.00	\$ 27,600.00	6.00	\$ 27,600.00		\$ -	6.00	\$ 27,600.00
22	Water main valves, 8-inch gate valve	EA.	5.00	\$1,600.00	\$ 8,000.00	5.00	\$ 8,000.00		\$ -	5.00	\$ 8,000.00
23	Water main valves, 16-inch butterfly valve	EA.	4.00	\$3,000.00	\$ 12,000.00	4.00	\$ 12,000.00		\$ -	4.00	\$ 12,000.00
24	Storm sewer main, 12-inch RCP, w/granular backfill	L.F.	211.00	\$58.00	\$ 12,238.00	213.00	\$ 12,354.00		\$ -	213.00	\$ 12,354.00
25	Storm sewer main, 15-inch RCP, w/granular backfill	L.F.	391.00	\$76.00	\$ 29,716.00	391.00	\$ 29,716.00		\$ -	391.00	\$ 29,716.00
26	Storm sewer main, 18-inch RCP, w/granular backfill	L.F.	440.00	\$79.00	\$ 34,760.00	440.00	\$ 34,760.00		\$ -	440.00	\$ 34,760.00
27	Storm sewer main, 24-inch RCP, w/granular backfill	L.F.	64.00	\$92.00	\$ 5,888.00	64.00	\$ 5,888.00		\$ -	64.00	\$ 5,888.00
28	Storm sewer manholes, 48-inch w/frame and cover	EA.	6.00	\$1,600.00	\$ 9,600.00	6.00	\$ 9,600.00		\$ -	6.00	\$ 9,600.00
29	Catch basin, w/frame and grate	EA.	13.00	\$2,200.00	\$ 28,600.00	13.00	\$ 28,600.00		\$ -	13.00	\$ 28,600.00
30	Construct roadway to subgrade	L.S.	1.00	\$131,620.00	\$ 131,620.00	1.00	\$ 131,620.00		\$ -	1.00	\$ 131,620.00
31	Excavation below subgrade	C.Y.	560.00	\$18.70	\$ 10,472.00	1,660.30	\$ 31,047.61		\$ -	1,660.30	\$ 31,047.61
32	Geotextile subgrade stabilization	S.Y.	1,680.00	\$2.50	\$ 4,200.00	5,472.50	\$ 13,681.25		\$ -	5,472.50	\$ 13,681.25
33	Excavation below subgrade (EBS) backfill	TON	1,120.00	\$18.65	\$ 20,888.00	2,903.56	\$ 54,151.39		\$ -	2,903.56	\$ 54,151.39
34	Crushed aggregate for road base	TON	5,360.00	\$18.90	\$ 101,304.00	6,032.59	\$ 114,015.95		\$ -	6,032.59	\$ 114,015.95
35	30-inch concrete curb and gutter	L.F.	2,576.00	\$13.10	\$ 33,745.60	2,578.00	\$ 33,771.80		\$ -	2,578.00	\$ 33,771.80
36	Asphaltic concrete binder course	TON	1,425.00	\$68.75	\$ 97,968.75	1,241.61	\$ 85,360.69		\$ -	1,241.61	\$ 85,360.69
37	Asphaltic concrete surface course	TON	680.00	\$71.50	\$ 48,620.00	710.00	\$ 50,765.00		\$ -	710.00	\$ 50,765.00
38	Concrete sidewalk and curb ramp	S.F.	340.00	\$10.50	\$ 3,570.00	465.00	\$ 4,882.50		\$ -	465.00	\$ 4,882.50
39	Detectable Warning Field	S.F.	64.00	\$60.00	\$ 3,840.00	66.00	\$ 3,960.00		\$ -	66.00	\$ 3,960.00

139

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

9-Final

For (Project): TID #5 Phase 2 - Public Improvements								Application Date: 1/2/2020			
Application Period: To 01/02/2020								Engineer's Project No.: 12-10068.310			
A	B	C	D	E	F	G	H	I	J	K	L
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)
40	3-inch asphaltic concrete multi-use path	S.F.	12,215.00	\$1.90	\$ 23,208.50	11,992.00	\$ 22,784.80		\$ -	11,992.00	\$ 22,784.80
41	Topsoil, turf grass seed, fertilizer and hydro-mulch	S.Y.	10,000.00	\$1.83	\$ 18,300.00	10,396.00	\$ 19,024.68		\$ -	10,396.00	\$ 19,024.68
42	Topsoil, no-mow seed and hydro-mulch	S.Y.	28,000.00	\$1.16	\$ 32,480.00	29,040.00	\$ 33,686.40		\$ -	29,040.00	\$ 33,686.40
43	Traffic signs	EA.	7.00	\$150.00	\$ 1,050.00	7.00	\$ 1,050.00		\$ -	7.00	\$ 1,050.00
44	Traffic sign posts	EA.	7.00	\$175.00	\$ 1,225.00	7.00	\$ 1,225.00		\$ -	7.00	\$ 1,225.00
TOTAL BID ITEMS 1-44					\$ 1,195,692.85		\$ 1,258,304.71		\$ -		\$ 1,258,304.71
ADDITIONAL ITEMS											
45	Change Order No. 1 Silt Sock	L.F.	800	\$ 2.48	\$ 1,984.00	740.00	\$ 1,835.20		\$ -	740.00	\$ 1,835.20
46	Change Order No. 1 no dollar change				\$ -		\$ -		\$ -		\$ -
47	Change Order No. 3 connect 6" drain tile to inlet	EA.	3	\$ 550.00	\$ 1,650.00	2.00	\$ 1,100.00		\$ -	2.00	\$ 1,100.00
48	Change Order No. 3 6" drain tile in sock	L.F.	500	\$ 2.00	\$ 1,000.00	217.00	\$ 434.00		\$ -	217.00	\$ 434.00
49	Change Order No. 4 add'l quantity for Item #31, 32, 33, 34, 36 (estimate)	L.S.	1	\$ 44,612.56	\$ 44,612.56		\$ -		\$ -		\$ -
50	Change Order No. 5 additional asphalt paver mobilization	L.S.	1	\$ 1,500.00	\$ 1,500.00	1.00	\$ 1,500.00		\$ -	1.00	\$ 1,500.00
TOTAL ADDITIONAL ITEMS					\$ 50,746.56		\$ 4,869.20		\$ -		\$ 4,869.20
TOTAL ALL ITEMS					\$ 1,246,439.41		\$ 1,263,173.91		\$ -		\$ 1,263,173.91

**CONSENT OF
SURETY COMPANY
TO FINAL PAYMENT**
(SIMILAR TO AIA DOCUMENT G707)

OWNER ☐
ARCHITECT ☐
CONTRACTOR ☐
SURETY ☐
OTHER ☐

Bond Number: 3435551

PROJECT: TID #5 Phase 2 Public Improvements, Engineer's Project No. 12-10068.220
(name, address)

TO (Owner)

Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

ARCHITECT'S PROJECT NO:
CONTRACT FOR: Construction

CONTRACT DATE: November 1, 2018

CONTRACTOR: RAMS Contracting, LTD
20079 W. Main Street
Lannon, WI 53046

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the (here insert name and address of Surety Company)

Old Republic Surety Company
445 S. Moorland Road, Suite 200
Brookfield, WI 53005

, SURETY COMPANY,

on bond of (here insert name and address of Contractor)

RAMS Contracting, LTD
20079 W. Main Street
Lannon, WI 53046

, CONTRACTOR,

hereby approves of the final payment to the Contractor, and agrees that the final payment to the Contractor shall not relieve the Surety Company of any of its obligations to (here insert name and address of Owner)

Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

, OWNER,

as set forth in the said Surety Company's bond.

IN WITNESS WHEREOF,

The Surety Company has hereunto set its hand this

9th

day of

January

, 2020 .

Attest:

Henry School

(Seal): Witness

Old Republic Surety Company
Surety Company

Terence R. Geszvain
Signature of Authorized Representative

Terence R. Geszvain, Attorney-in-Fact
Title



Note: This form is intended to be used as a companion document to the Contractor's Affidavit of Payment of Debts and Claims, Current Edition



OLD REPUBLIC SURETY COMPANY

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POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That OLD REPUBLIC SURETY COMPANY, a Wisconsin stock insurance corporation, does make, constitute and appoint:

RANDY L. BREHMER, CYNTHIA J BREHMER, TERENCE R. GESZVAIN, JASON A. BRAATZ, MELISSA BABIAK, CHRIS BREHMER, LINDA A. PUPP, OF BUTLER, WI

its true and lawful Attorney(s)-in-Fact, with full power and authority, not exceeding \$50,000,000, for and on behalf of the company as surety, to execute and deliver and affix the seal of the company thereto (if a seal is required), bonds, undertakings, recognizances or other written obligations in the nature thereof, (other than bail bonds, bank depository bonds, mortgage deficiency bonds, mortgage guaranty bonds, guarantees of installment paper and note guaranty bonds, self-insurance workers compensation bonds guaranteeing payment of benefits, asbestos abatement contract bonds, waste management bonds, hazardous waste remediation bonds or black lung bonds), as follows:

ALL WRITTEN INSTRUMENTS IN AN AMOUNT NOT TO EXCEED
FIFTEEN MILLION DOLLARS (\$15,000,000) ----- FOR ANY SINGLE OBLIGATION

and to bind OLD REPUBLIC SURETY COMPANY thereby, and all of the acts of said Attorneys-in-Fact, pursuant to these presents, are ratified and confirmed. This document is not valid unless printed on colored background and is multi-colored. This appointment is made under and by authority of the board of directors at a special meeting held on February 18, 1982. This Power of Attorney is signed and sealed by facsimile under and by the authority of the following resolutions adopted by the board of directors of the OLD REPUBLIC SURETY COMPANY on February 18, 1982.

RESOLVED that, the president, any vice-president, or assistant vice president, in conjunction with the secretary or any assistant secretary, may appoint attorneys-in-fact or agents with authority as defined or limited in the instrument evidencing the appointment in each case, for and on behalf of the company to execute and deliver and affix the seal of the company to bonds, undertakings, recognizances, and suretyship obligations of all kinds; and said officers may remove any such attorney-in-fact or agent and revoke any Power of Attorney previously granted to such person.

RESOLVED FURTHER, that any bond, undertaking, recognizance, or suretyship obligation shall be valid and binding upon the Company

- (i) when signed by the president, any vice president or assistant vice president, and attested and sealed (if a seal be required) by any secretary or assistant secretary; or
- (ii) when signed by the president, any vice president or assistant vice president, secretary or assistant secretary, and countersigned and sealed (if a seal be required) by a duly authorized attorney-in-fact or agent; or
- (iii) when duly executed and sealed (if a seal be required) by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority evidenced by the Power of Attorney issued by the company to such person or persons.

RESOLVED FURTHER, that the signature of any authorized officer and the seal of the company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the company; and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, OLD REPUBLIC SURETY COMPANY has caused these presents to be signed by its proper officer, and its corporate seal to be affixed this 19TH day of FEBRUARY, 2019.

OLD REPUBLIC SURETY COMPANY


Assistant Secretary

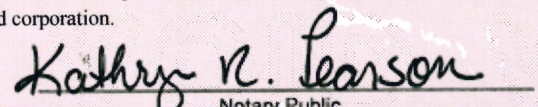



President

STATE OF WISCONSIN, COUNTY OF WAUKESHA-SS

On this 19TH day of FEBRUARY, 2019, personally came before me, Alan Pavlic and Jane E Cherney, to me known to be the individuals and officers of the OLD REPUBLIC SURETY COMPANY who executed the above instrument, and they each acknowledged the execution of the same, and being by me duly sworn, did severally depose and say; that they are the said officers of the corporation aforesaid, and that the seal affixed to the above instrument is the seal of the corporation, and that said corporate seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority of the board of directors of said corporation.




Notary Public
My commission expires: 9/28/2022

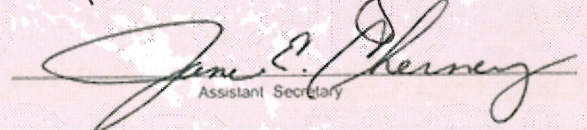
CERTIFICATE

I, the undersigned, assistant secretary of the OLD REPUBLIC SURETY COMPANY, a Wisconsin corporation, CERTIFY that the foregoing and attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolutions of the board of directors set forth in the Power of Attorney, are now in force.

24-4544



Signed and sealed at the City of Brookfield, WI this 9th day of January 2020


Assistant Secretary

THE BREHMER AGENCY, INC

THIS DOCUMENT HAS A COLORED BACKGROUND AND IS MULTI-COLORED ON THE FACE. THE COMPANY LOGO APPEARS ON THE BACK OF THIS DOCUMENT AS A WATERMARK. IF THESE FEATURES ARE ABSENT, THIS DOCUMENT IS VOID.



January 21, 2020

Michael E. Michalski
Ruekert Mielke
W233N2080 Ridgeview Parkway
Waukesha, WI 53188

Re: TID #5 Phase 2 Public Improvements
Village of Mukwonago

Dear Mr. Michalski:

Per your letter dated January 2, 2020 regarding the closeout document list, following is the list of subcontractors and suppliers on the project:

Payne and Dolan, Inc.
D.C. Burbach, Inc.
D.F. Tomasini Contractors, Inc.
MTEC Environmental, Inc.
Hard Rock Sawing & Drilling
Geo-Synthetics Systems, LLC.
Whitewater Limestone, Inc.

Sincerely,

A handwritten signature in blue ink, appearing to read "Steve Schlei", is written over the typed name.

Steve Schlei
Accountant

FULL WAIVER OF LIEN

Whereas, we the undersigned, **Payne & Dolan, Inc.**, have contracted with **Rams Contracting, LTD.** to furnish material and perform services, to enter into the erection, construction, alteration and repair of certain improvements, upon the following described real estate, situated in the County of **Waukesha**, State of **Wisconsin**, to-wit:

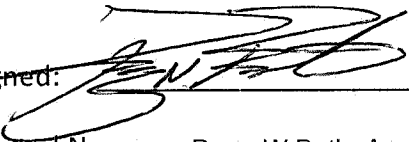
Owner: Village of Mukwonago

Project: TID #5 Phase 2 Public Improvements

Now, therefore, we the undersigned, do hereby waive and release any and all lien, or claim, or right of lien, on said above described real estate and on all buildings, improvements and appurtenances situated thereon or thereunto belonging, on account of labor, or materials, or both, furnished by the undersigned, to or on account of the said **Rams Contracting, LTD.** for said building or premises.

The undersigned warrants and represents that all labor, materials, skills, equipment, tools, supplies, services and associated items furnished for the undersigned's use in connection with the Project has been paid for in full.

Company: **Payne & Dolan, Inc.**

Signed: 

Printed Name: Doug W Buth, Agent

Date: 1/20/2020

FULL WAIVER OF LIEN

Whereas, we the undersigned, **D.C. Burbach, Inc.**, have contracted with **Rams Contracting, LTD.** to furnish material and perform services, to enter into the erection, construction, alteration and repair of certain improvements, upon the following described real estate, situated in the County of **Waukesha**, State of **Wisconsin**, to-wit:

Owner: Village of Mukwonago

Project: TID #5 Phase 2 Public Improvements

Now, therefore, we the undersigned, do hereby waive and release any and all lien, or claim, or right of lien, on said above described real estate and on all buildings, improvements and appurtenances situated thereon or thereunto belonging, on account of labor, or materials, or both, furnished by the undersigned, to or on account of the said **Rams Contracting, LTD.** for said building or premises.

The undersigned warrants and represents that all labor, materials, skills, equipment, tools, supplies, services and associated items furnished for the undersigned's use in connection with the Project has been paid for in full.

Company: **D.C. Burbach, Inc.**

Signed: _____

Printed Name: Peter H. Burbach, President

Date: 1/21/20

FULL WAIVER OF LIEN

Whereas, we the undersigned, **D.F. Tomasini Contractors, Inc.**, have contracted with **Rams Contracting, LTD.** to furnish material and perform services, to enter into the erection, construction, alteration and repair of certain improvements, upon the following described real estate, situated in the County of **Waukesha**, State of **Wisconsin**, to-wit:

Owner: Village of Mukwonago

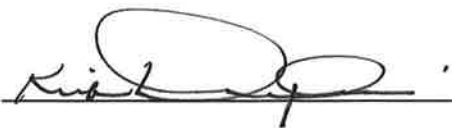
Project: TID #5 Phase 2 Public Improvements

Now, therefore, we the undersigned, do hereby waive and release any and all lien, or claim, or right of lien, on said above described real estate and on all buildings, improvements and appurtenances situated thereon or thereunto belonging, on account of labor, or materials, or both, furnished by the undersigned, to or on account of the said **Rams Contracting, LTD.** for said building or premises.

The undersigned warrants and represents that all labor, materials, skills, equipment, tools, supplies, services and associated items furnished for the undersigned's use in connection with the Project has been paid for in full.

Company: **D.F. Tomasini Contractors, Inc.**

Signed: _____



Printed Name: Kirk Dexheimer

Date: 1/20/2020

FULL WAIVER OF LIEN

Whereas, we the undersigned, **MTEC Environmental, Inc.**, have contracted with **Rams Contracting, LTD.** to furnish material and perform services, to enter into the erection, construction, alteration and repair of certain improvements, upon the following described real estate, situated in the County of **Waukesha**, State of **Wisconsin**, to-wit:

Owner: Village of Mukwonago

Project: TID #5 Phase 2 Public Improvements

Now, therefore, we the undersigned, do hereby waive and release any and all lien, or claim, or right of lien, on said above described real estate and on all buildings, improvements and appurtenances situated thereon or thereunto belonging, on account of labor, or materials, or both, furnished by the undersigned, to or on account of the said **Rams Contracting, LTD.** for said building or premises.

The undersigned warrants and represents that all labor, materials, skills, equipment, tools, supplies, services and associated items furnished for the undersigned's use in connection with the Project has been paid for in full.

Company: **MTEC Environmental, Inc.**

Signed: 

Printed Name: Lori Wolf

Date: 1-20-2020

FULL WAIVER OF LIEN

Whereas, we the undersigned, **Hard Rock Sawing & Drilling**, have contracted with **Rams Contracting, LTD.** to furnish material and perform services, to enter into the erection, construction, alteration and repair of certain improvements, upon the following described real estate, situated in the County of **Waukesha**, State of **Wisconsin**, to-wit:

Owner: Village of Mukwonago

Project: TID #5 Phase 2 Public Improvements

Now, therefore, we the undersigned, do hereby waive and release any and all lien, or claim, or right of lien, on said above described real estate and on all buildings, improvements and appurtenances situated thereon or thereunto belonging, on account of labor, or materials, or both, furnished by the undersigned, to or on account of the said **Rams Contracting, LTD.** for said building or premises.

The undersigned warrants and represents that all labor, materials, skills, equipment, tools, supplies, services and associated items furnished for the undersigned's use in connection with the Project has been paid for in full.

Company: **Hard Rock Sawing & Drilling**

Signed: _____

Printed Name: _____

Date: _____

Mary E Doracka
Mary E Doracka
11-20-2020

FULL WAIVER OF LIEN

Whereas, we the undersigned, **Geo-Synthetics Systems, LLC.**, have contracted with **Rams Contracting, LTD.** to furnish material and perform services, to enter into the erection, construction, alteration and repair of certain improvements, upon the following described real estate, situated in the County of **Waukesha**, State of **Wisconsin**, to-wit:

Owner: Village of Mukwonago

Project: TID #5 Phase 2 Public Improvements

Now, therefore, we the undersigned, do hereby waive and release any and all lien, or claim, or right of lien, on said above described real estate and on all buildings, improvements and appurtenances situated thereon or thereunto belonging, on account of labor, or materials, or both, furnished by the undersigned, to or on account of the said **Rams Contracting, LTD.** for said building or premises.

The undersigned warrants and represents that all labor, materials, skills, equipment, tools, supplies, services and associated items furnished for the undersigned's use in connection with the Project has been paid for in full.

Company: **Geo-Synthetics Systems, LLC.**

Signed: _____

Printed Name: _____

Date: _____

J.B.H.
ROBBIE KEFFAER
1-21-20

FULL WAIVER OF LIEN

Whereas, we the undersigned, **Whitewater Limestone, Inc.**, have contracted with **Rams Contracting, LTD.** to furnish material and perform services, to enter into the erection, construction, alteration and repair of certain improvements, upon the following described real estate, situated in the County of **Waukesha**, State of **Wisconsin**, to-wit:

Owner: Village of Mukwonago

Project: TID #5 Phase 2 Public Improvements

Now, therefore, we the undersigned, do hereby waive and release any and all lien, or claim, or right of lien, on said above described real estate and on all buildings, improvements and appurtenances situated thereon or thereunto belonging, on account of labor, or materials, or both, furnished by the undersigned, to or on account of the said **Rams Contracting, LTD.** for said building or premises.

The undersigned warrants and represents that all labor, materials, skills, equipment, tools, supplies, services and associated items furnished for the undersigned's use in connection with the Project has been paid for in full.

Company: **Whitewater Limestone, Inc.**

Signed: _____

Printed Name: _____

Date: _____



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/26/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Vizance, Inc. 1320 Walnut Ridge Dr. Ste. 200 Hartland, WI 53029	CONTACT NAME: Michele Janquart	
	PHONE (A/C, No, Ext): (262) 563-5477 FAX (A/C, No):	
	E-MAIL ADDRESS: mjanquart@vizance.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Sentry Insurance	
INSURED Rams Contracting, LTD. PO Box 398 Lannon, WI 53046	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☒ LOC OTHER:	X	X	A0115842	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY	X	X	A0115842	1/1/2020	1/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 0			A0115842	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
A	☒ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☒ Y / ☒ N If yes, describe under DESCRIPTION OF OPERATIONS below		X	A0115842	1/1/2020	1/1/2021	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 100,000 E.L. DISEASE - EA EMPLOYEE \$ 100,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: TID #5 Phase 2 Public Improvements

Village of Mukwonago and Ruekert-Mielke are named as additional insureds under the General Liability including ongoing and completed operations coverage, and Auto Liability policies on a primary and non-contributory basis when required by written contract. A Waiver of Transfer of Rights of Recovery Against Others to Us endorsement applies in favor of the additional insureds for General Liability, Auto Liability, and Workers Compensation when required by written contract. Umbrella/Excess extends over underlying insurance. A 30 day Notice of Cancellation applies. All above referenced coverages are subject to actual policy forms, terms, and conditions.

CERTIFICATE HOLDER

CANCELLATION

Village of Mukwonago 440 River Crest Ct. Mukwonago, WI 53149	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

151

AGENDA ITEM REQUEST FORM

Committee/Board:	Village Board
Topic:	Motion to approve 2019 Street Rehabilitation Close-out Change Order and Final Payment.
From:	Diana Dykstra
Department:	Public Works
Presenter:	Jerad Wegner
Date of Committee Action (if required)	February 5, 2020
Date of Village Board Action (if required)	February 19, 2020

Information

Subject:

Motion to approve 2019 Street Rehabilitation Close-out Change Order and Final Payment.

Background Information/Rationale:

Parking Lot Maintenance, Inc. has completed the 2019 Street Rehabilitation project and has submitted a final Application for Payment and furnished the enclosed Contract-required items: Consent of Surety to Final Payment, list of Subcontractors, Suppliers, and service providers performing, furnishing, or procuring labor, services and materials on the Project, releases or waivers of lien from first tier Subcontractors and Suppliers, and certificate or other evidence of completed operations insurance.

Key Issues for Consideration:

In accordance with paragraph 15.08 of the General Conditions, the Contractor is required to promptly repair or correct defective Work for a period of one year from the date of Substantial Completion which was November 27, 2019.

Fiscal Impact (if any):

The original Contract Price was \$156,585.00 and the final amount earned for the 2019 Street Rehabilitation project is \$163,667.55 which included the Mandatory Alternate as a Change Order.

Requested Action by Committee/Board:

Attachments

January 10, 2020

Mr. Fred Winchowky
Village President
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

Re: 2019 Street Rehabilitation
Final Payment

Dear President Winchowky:

Enclosed with this letter please find Change Order No. 3. This Change Order serves to adjust the final Contract Price to reflect the actual completed Work. Please have Change Order No. 3 signed and dated, and return to our office for further distribution.

In accordance with the Contract Documents, the Contractor for this Project, Parking Lot Maintenance, Inc., has submitted a final Application for Payment and has furnished the enclosed Contract-required items:

1. Consent of Surety to Final Payment.
2. List of Subcontractors, Suppliers, and service providers performing, furnishing, or procuring labor, services and materials on the Project.
3. Releases or waivers of lien from first tier Subcontractors and Suppliers.
4. Certificate or other evidence of completed operations insurance.

You may want to have your legal counsel and insurance advisor review the respective lien waivers, bonding, and insurance documents to verify legal effectiveness. If all are satisfactory, we recommend final payment, and give notice (enclosed), that the completed Work is acceptable subject to the provisions of General Conditions paragraph 15.07.

In accordance with paragraph 15.08 of the General Conditions, the Contractor is required to promptly repair or correct defective Work for a period of one year from the date of Substantial Completion which was November 27, 2019. You may wish to review the Project a month or so before the anniversary date to check for any warranty items. If we can be of assistance to you in this regard, please contact us.

Respectfully,

RUEKERT & MIELKE, INC.



Michael E. Michalski
Project Engineer
mmichalski@ruekert-mielke.com

MEM:sjs

Enclosures

cc: Ron Bittner, Village of Mukwonago
Tom Opie, Parking Lot Maintenance, Inc., w/Notice of Acceptability
Jerad J. Wegner, P.E., Ruekert & Mielke, Inc.

NOTICE OF ACCEPTABILITY OF WORK

PROJECT: 2019 Street Rehabilitation
OWNER: Village of Mukwonago
CONTRACTOR: Parking Lot Maintenance, Inc.
EFFECTIVE DATE OF THE CONSTRUCTION CONTRACT: October 2, 2019
ENGINEER: Ruekert & Mielke, Inc.
NOTICE DATE: January 10, 2020

To: Village of Mukwonago
Owner

And To: Parking Lot Maintenance, Inc.
Contractor

From: Ruekert & Mielke, Inc.
Engineer

The Engineer hereby gives notice to the above Owner and Contractor that the completed Work furnished and performed by Contractor under the above Contract is acceptable expressly subject to the provisions of the related Contract Documents, the Agreement between Owner and Engineer for Professional Services and the terms and conditions set forth as follows:

CONDITIONS OF NOTICE OF ACCEPTABILITY OF WORK

The Notice of Acceptability of Work ("Notice") is expressly made subject to the following terms and conditions to which all those who receive said Notice and rely thereon agree:

1. This Notice is given with the skill and care ordinarily used by members of the engineering profession practicing under similar conditions at the same time and in the same locality.
2. This Notice reflects and is an expression of the professional judgment of Engineer.
3. This Notice is given as to the best of Engineer's knowledge, information, and belief as of the Notice Date.
4. This Notice is based entirely on and expressly limited by the scope of services Engineer has been employed by Owner to perform or furnish during construction of the Project (including observation of the Contractor's work) under Engineer's Agreement with Owner and under the Construction Contract referred to in this Notice, and applies only to facts that are within Engineer's knowledge or could reasonably have been ascertained by Engineer as a result of carrying out the responsibilities specifically assigned to Engineer under such Agreement and Construction Contract.
5. This Notice is not a guarantee or warranty of Contractor's performance under the Construction Contract referred to in this Notice, nor an assumption of responsibility for any failure of Contractor to furnish and perform the Work thereunder in accordance with the Contract Documents.

By: Michael E. Michalski
Title: Project Engineer
Dated: January 10, 2020

Date of Issuance: January 2, 2020

Effective Date:

January 2, 2020

Owner:

Village of Mukwonago

Contract: 2019 Street Rehabilitation

Contractor: Parking Lot Maintenance, Inc.

Engineer:

Ruekert & Mielke, Inc.

Address: W225 N3178 Duplainville Road
Pewaukee, WI 53072

Engineer's Project No.:

12-10123.300

Effective Date of Contract:

October 2, 2019

The Contract is modified as follows upon execution of this Change Order:

Description:

Closeout Change Order.

Reason for Change Order:

Change Contract price to match amount earned.

Attachments:

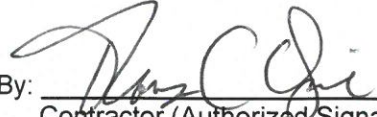
Closeout Change Order Analysis and Final Pay Application No. 2.

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price \$ 156,585.00	Original Contract Times: Substantial Completion: <u>November 15, 2019</u> Ready for Final Payment: <u>December 16, 2019</u> days or dates
Increase from previously approved Change Orders No. 1 to No. 2: \$ 12,192.00	Increase from previously approved Change Orders No. 1 to No. 2: Substantial Completion: <u>12 days</u> Ready for Final Payment: <u>11 days</u> days
Contract Price prior to this Change Order: \$ 168,777.00	Contract Times prior to this Change Order: Substantial Completion: <u>November 27, 2019</u> Ready for Final Payment: <u>December 27, 2019</u> days or dates
Decrease of this Change Order: \$ 5,109.45	Changes from this Change Order: Substantial Completion: <u>0</u> Ready for Final Payment: <u>0</u> days or dates
Contract Price incorporating this Change Order: \$ 163,667.55	Contract Times with all approved Change Orders: Substantial Completion: <u>November 27, 2019</u> Ready for Final Payment: <u>December 27, 2019</u> days or dates

RECOMMENDED:

ACCEPTED:

ACCEPTED:

By: 
Engineer (Authorized Signature)By: _____
Owner (Authorized Signature)By: 
Contractor (Authorized Signature)Michael E. Michalski
Ruekert & Mielke, Inc.

Thomas C. Opie

Date: January 2, 2020

Date: _____

GM.
Date: 1-7-2020



W233 N2080 Ridgeview Parkway
Waukesha, WI 53188-1020

ANALYSIS OF CLOSEOUT CHANGE ORDER

OWNER: Village of Mukwonago

PROJECT: 2019 Street Rehabilitation

DATE PREPARED: 1/2/2020

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT \$	ORIGINAL CONTRACT AMOUNT	ACTUAL QUANTITY INSTALLED	FINAL CONTRACT AMOUNT
1	Mobilization	L.S.	1	\$ 2,950.00	\$ 2,950.00	1.00	\$ 2,950.00
2	Traffic control	L.S.	1	\$ 2,800.00	\$ 2,800.00	1.00	\$ 2,800.00
3	Replace catch basin No. 1	EA.	1	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
4	Replace catch basin No. 2	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
5	Replace catch basin No. 3	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
6	Replace catch basin No. 4	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
7	Replace catch basin No. 5	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
8	Replace catch basin No. 6	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
9	Replace catch basin No. 7	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
10	Replace catch basin No. 8	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
11	Replace catch basin No. 9	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
12	Replace catch basin No. 10	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
13	Replace catch basin No. 11	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
14	Replace catch basin No. 12	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
15	Replace catch basin No. 13	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
16	Replace catch basin No. 14	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
17	Replace catch basin No. 15	EA.	1.00	\$ 5,500.00	\$ 5,500.00	1.00	\$ 5,500.00
18	Replace catch basin frame and grate, if required	EA.	1.00	\$ 1,990.00	\$ 1,990.00	1.00	\$ 1,990.00
19	Full depth pavement milling	S.Y.	500.00	\$ 5.15	\$ 2,575.00	491.00	\$ 2,528.65
20	Partial depth pavement milling (2 inches)	S.Y.	700.00	\$ 12.90	\$ 9,030.00	845.00	\$ 10,900.50
21	Excavation below subgrade	C.Y.	50.00	\$ 23.00	\$ 1,150.00	10.00	\$ 230.00
22	Geotextile subgrade stabilization	S.Y.	150.00	\$ 4.00	\$ 600.00	0.00	\$ -
23	Excavation below subgrade (EBS) backfill	TON	100.00	\$ 20.00	\$ 2,000.00	20.00	\$ 400.00
24	Concrete curb and gutter replacement	L.F.	200.00	\$ 56.20	\$ 11,240.00	188.00	\$ 10,565.60
25	Asphaltic concrete binder course	TON	80.00	\$ 207.00	\$ 16,560.00	72.00	\$ 14,904.00
26	Asphaltic concrete surface course	TON	130.00	\$ 138.00	\$ 17,940.00	153.00	\$ 21,114.00
27	Topsoil, turf grass seed, fertilizer and erosion matting	S.Y.	50.00	\$ 105.00	\$ 5,250.00	27.00	\$ 2,835.00
	SUBTOTAL OF ORIGINAL CONTRACT ITEMS				\$ 156,585.00		\$ 153,717.75
MANDATORY ALTERNATES							
MA-1	Replace catch basin No. 16 adjustment rings	EA.	1	\$ 1,200.00	\$ 1,200.00	\$ 1.00	\$ 1,200.00
MA-2	Replace catch basin No. 17 adjustment rings	EA.	1	\$ 1,200.00	\$ 1,200.00	\$ 1.00	\$ 1,200.00
MA-3	Replace catch basin No. 18 adjustment rings	EA.	1	\$ 1,200.00	\$ 1,200.00	\$ 1.00	\$ 1,200.00



W233 N2080 Ridgeview Parkway
Waukesha, WI 53188-1020

ANALYSIS OF CLOSEOUT CHANGE ORDER

OWNER: Village of Mukwonago

PROJECT: 2019 Street Rehabilitation

DATE PREPARED: 1/2/2020

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT \$	ORIGINAL CONTRACT AMOUNT	ACTUAL QUANTITY INSTALLED	FINAL CONTRACT AMOUNT
MA-4	Replace catch basin No. 19 adjustment rings	EA.	1	\$ 1,200.00	\$ 1,200.00	\$ 1.00	\$ 1,200.00
MA-5	Replace catch basin No. 20	EA.	1	\$ 4,656.00	\$ 4,656.00	\$ 0.50	\$ 2,328.00
MA-6	Concrete curb and gutter replacement	L.F.	30	\$ 56.20	\$ 1,686.00	\$ 39.00	\$ 2,191.80
MA-7	Topsoil, turf grass seed, fertilizer and erosion matting	S.Y.	10.00	\$ 105.00	\$ 1,050.00	\$ 6.00	\$ 630.00
	SUBTOTAL OF ADDITIONAL ITEMS				\$12,192.00		\$ 9,949.80
GRAND TOTALS:					\$ 168,777.00		\$ 163,667.55

ORIGINAL CONTRACT AMOUNT	\$156,585.00
EXECUTED CHANGE ORDER(S)	\$12,192.00
CONTRACT PRICE PRIOR TO THIS CLOSE-OUT CHANGE ORDER	\$168,777.00
AMOUNT EARNED ON ORIGINAL CONTRACT ITEMS	\$153,717.75
AMOUNT EARNED ON OTHER ITEMS	\$9,949.80
TOTAL AMOUNT EARNED	\$163,667.55
TOTAL AMOUNT EARNED	\$163,667.55
LESS CONTRACT PRICE PRIOR TO THIS CLOSE-OUT CHANGE ORDER	(\$168,777.00)
CLOSE OUT CHANGE ORDER AMOUNT	(\$5,109.45)

Contractor's Application for Payment No. 2-Final

		Application Date: 1/2/2020	Application Period: 12/13/2019 to 1/2/2020
To (Owner): Village of Mukwonago		From (Contractor): Parking Lot Maintenance	Via (Engineer): Ruekert & Mielke, Inc.
Contact: Diana Dykstra		Contact: Tom Opie	Contact: Michael E. Michalski, P.E.
Project: 2019 Street Rehabilitation		Address: W225 N3178 DuPlainville Road Pewaukee, WI 53072	Address: W233 N2080 Ridgeview Parkway Waukesha, WI 53188
Owner's Contract No.:		Contractor's Project No.:	Engineer's Project No.: 12-10123.200

Change Order Summary

Approved Change Orders		
Number	Additions	Deductions (Enter as Positive Number)
1	\$12,192.00	
2		\$5,109.45
TOTALS	\$12,192.00	\$5,109.45
NET CHANGE BY CHANGE ORDERS	\$7,082.55	

1. ORIGINAL CONTRACT PRICE	\$	156,585.00
2. Net change by Change Orders	\$	7,082.55
3. CURRENT CONTRACT PRICE (Line 1 + Line 2)	\$	163,667.55
4. TOTAL COMPLETED TO DATE (Column L Total on Progress Estimates)	\$	163,667.55
5. RETAINAGE:		
a. 5% X \$81,833.78 Work Completed	\$	4,091.69
6. RETAINAGE REDUCTION TO DATE (Enter as Positive Number) ..	\$	4,091.69
7. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5a. + Line 6)	\$	163,667.55
8. LESS PREVIOUS PAYMENTS (Line 7 from Prior Application)	\$	159,448.11
9. AMOUNT DUE THIS APPLICATION	\$	4,219.44

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge:

(1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment;

(2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner per Article 15 of the General Conditions; and

(3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By:

Date: 1-7-2020

Payment of: \$ 4,219.44

(Line 9 or other - attach explanation of the other amount)

Recommended by:

(Engineer) Michael E. Michalski
1/2/2020
(Date)

Payment of: \$ _____

(Line 9 or other - attach explanation of the other amount)

Approved by: _____

(Owner)
(Date)

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

2-Final

For (Project): 2019 Street Rehabilitation								Application Date: 1/2/2020			
Application Period: 12/13/2019 to 1/2/2020								Engineer's Project No.: 12-10123.200			
A	B	C	D	E	F	G	H	I	J	K	L
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)
1	Mobilization	L.S.	1.00	\$2,950.00	\$2,950.00	1.00	\$ 2,950.00		\$ -	1.00	\$ 2,950.00
2	Traffic control	L.S.	1.00	\$2,800.00	\$2,800.00	1.00	\$ 2,800.00		\$ -	1.00	\$ 2,800.00
3	Replace catch basin No. 1	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
4	Replace catch basin No. 2	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
5	Replace catch basin No. 3	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
6	Replace catch basin No. 4	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
7	Replace catch basin No. 5	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
8	Replace catch basin No. 6	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
9	Replace catch basin No. 7	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
10	Replace catch basin No. 8	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
11	Replace catch basin No. 9	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
12	Replace catch basin No. 10	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
13	Replace catch basin No. 11	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
14	Replace catch basin No. 12	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
15	Replace catch basin No. 13	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
16	Replace catch basin No. 14	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
17	Replace catch basin No. 15	EA.	1.00	\$5,500.00	\$5,500.00	1.00	\$ 5,500.00		\$ -	1.00	\$ 5,500.00
18	Replace catch basin frame and grate, if required	EA.	1.00	\$1,990.00	\$1,990.00	1.00	\$ 1,990.00		\$ -	1.00	\$ 1,990.00
19	Full depth pavement milling	S.Y.	500.00	\$5.15	\$2,575.00	491.00	\$ 2,528.65		\$ -	491.00	\$ 2,528.65
20	Partial depth pavement milling (2 inches)	S.Y.	700.00	\$12.90	\$9,030.00	845.00	\$ 10,900.50		\$ -	845.00	\$ 10,900.50
21	Excavation below subgrade	C.Y.	50.00	\$23.00	\$1,150.00	10.00	\$ 230.00		\$ -	10.00	\$ 230.00
22	Geotextile subgrade stabilization	S.Y.	150.00	\$4.00	\$600.00		\$ -		\$ -		\$ -
23	Excavation below subgrade (EBS) backfill	TON	100.00	\$20.00	\$2,000.00	20.00	\$ 400.00		\$ -	20.00	\$ 400.00
24	Concrete curb and gutter replacement	L.F.	200.00	\$56.20	\$11,240.00	188.00	\$ 10,565.60		\$ -	188.00	\$ 10,565.60
25	Asphaltic concrete binder course	TON	80.00	\$207.00	\$16,560.00	72.00	\$ 14,904.00		\$ -	72.00	\$ 14,904.00
26	Asphaltic concrete surface course	TON	130.00	\$138.00	\$17,940.00	153.00	\$ 21,114.00		\$ -	153.00	\$ 21,114.00
27	Topsoil, turf grass seed, fertilizer and erosion matting	S.Y.	50.00	\$105.00	\$5,250.00	27.00	\$ 2,835.00		\$ -	27.00	\$ 2,835.00
TOTAL BID ITEMS 1-27					\$ 156,585.00		\$ 153,717.75		\$ -		\$ 153,717.75
MANDATORY ALTERNATES											
MA-1	Replace catch basin No. 16 adjustment rings	EA.	1	\$1,200.00	\$1,200.00	1.00	\$ 1,200.00		\$ -	1.00	\$ 1,200.00
MA-2	Replace catch basin No. 17 adjustment rings	EA.	1	\$1,200.00	\$1,200.00	1.00	\$ 1,200.00		\$ -	1.00	\$ 1,200.00
MA-3	Replace catch basin No. 18 adjustment rings	EA.	1	\$1,200.00	\$1,200.00	1.00	\$ 1,200.00		\$ -	1.00	\$ 1,200.00
MA-4	Replace catch basin No. 19 adjustment rings	EA.	1	\$1,200.00	\$1,200.00	1.00	\$ 1,200.00		\$ -	1.00	\$ 1,200.00
MA-5	Replace catch basin No. 20	EA.	1	\$4,656.00	\$4,656.00	0.50	\$ 2,328.00		\$ -	0.50	\$ 2,328.00
MA-6	Concrete curb and gutter replacement	L.F.	30	\$56.20	\$1,686.00	39.00	\$ 2,191.80		\$ -	39.00	\$ 2,191.80
MA-7	Topsoil, turf grass seed, fertilizer and erosion matting	S.Y.	10	\$105.00	\$1,050.00	6.00	\$ 630.00		\$ -	6.00	\$ 630.00
TOTAL ADDITIONAL ITEMS					\$12,192.00		\$ 9,949.80		\$ -		\$ 9,949.80
TOTAL ALL ITEMS					\$ 168,777.00		\$ 163,667.55		\$ -		\$ 163,667.55

**CONSENT OF
SURETY COMPANY
TO FINAL PAYMENT**

AIA DOCUMENT G707

OWNER []
ARCHITECT []
CONTRACTOR []
SURETY []
OTHER []

PROJECT: 2019 Street Rehabilitation
Mukwonago, WI
(name, address)

TO (OWNER)
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

BOND NUMBER: 2421961

CONTRACT DATE: 10/02/2019

CONTRACTOR: PARKING LOT MAINTENANCE, INC.
W225N3178 Duplainville Rd
Pewaukee, WI 53072

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the
(here insert name and address of Surety Company)

West Bend Mutual Insurance Company , 1255 Fourier Drive, Ste 500, Madison, WI 53717 , SURETY COMPANY,
on bond of (here insert name and address of Contractor)

PARKING LOT MAINTENANCE, INC., W225N3178 Duplainville Rd, Pewaukee, WI 53072 , CONTRACTOR,

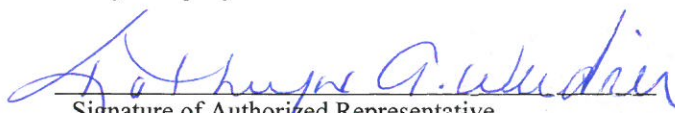
hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve
the Surety Company of any of its obligations to (here insert name and address of Owner)

Village of Mukwonago, 440 River Crest Court, Mukwonago, WI 53149 , OWNER,

as set forth in the said Surety Company's bond.

IN WITNESS WHEREOF,
the Surety Company has hereunto set its hand this 1/02/2020

West Bend Mutual Insurance Company
Surety Company


Signature of Authorized Representative
Kathryn A. Weidner , Attorney-In-Fact

Attest:
(Seal)

NOTE: This form is to be used as a companion document to AIA DOCUMENT G706 CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND
CLAIMS, Current Edition.



Power of Attorney

Know all men by these Presents, That West Bend Mutual Insurance Company, a corporation having its principal office in the City of West Bend, Wisconsin does make, constitute and appoint:

Kathryn A. Weidner, Jenny L. Hirth, Jay Zahn

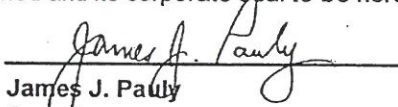
lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf as surety and as its act and deed any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of: \$4,000,000

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of West Bend Mutual Insurance Company at a meeting duly called and held on the 21st day of December, 1999.

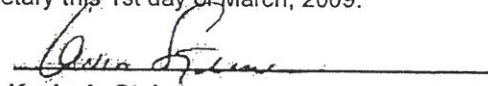
Appointment of Attorney-In-Fact. The president or any vice president, or any other officer of West Bend Mutual Insurance Company may appoint by written certificate Attorneys-in-Fact to act on behalf of the company in the execution of and attesting of bonds and undertakings and other written obligatory instruments of like nature. The signature of any officer authorized hereby and the corporate seal may be affixed by facsimile to any such power of attorney or to any certificate relating therefore and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the company in the future with respect to any bond or undertaking or other writing obligatory in nature to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any said officer at any time.

In witness whereof, the West Bend Mutual Insurance Company has caused these presents to be signed by its president undersigned and its corporate seal to be hereto duly attested by its secretary this 1st day of March, 2009.

Attest

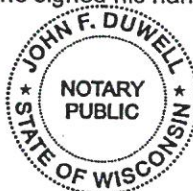

James J. Pauly
Secretary




Kevin A. Steiner
Chief Executive Officer / President

State of Wisconsin
County of Washington

On the 1st day of March, 2009 before me personally came Kevin A. Steiner, to me known being by duly sworn, did depose and say that he resides in the County of Washington, State of Wisconsin; that he is the President of West Bend Mutual Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation and that he signed his name thereto by like order.

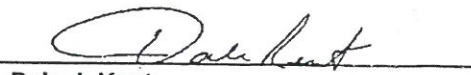



John F. Duwell
Executive Vice President - Chief Legal Officer
Notary Public, Washington Co. WI
My Commission is Permanent

The undersigned, duly elected to the office stated below, now the incumbent in West Bend Mutual Insurance Company, a Wisconsin corporation authorized to make this certificate, Do Hereby Certify that the foregoing attached Power of Attorney remains in full force effect and has not been revoked and that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at West Bend, Wisconsin this 2nd day of January, 2020




Dale J. Kent
Executive Vice President -
Chief Financial Officer

Notice: Reproductions are not binding on the company. Any questions concerning this Power of Attorney may be directed to the Bond Manager at NSI, a division of West Bend Mutual Insurance Company.

PARKING LOT MAINTENANCE, INC.

October 24, 2019

PROJECT MANAGERS FRO PLM

- Tom Opie – General Manager and Lead Project Manager 414-406-2718
- Paul Opie – Production Manager 414-916-0511
- Ryan Laughlin – CFO 262-455-0127
- John Stechschulte – Grading and Excavating Foreman 414-788-2906
- Joe Stapleton – Concrete Foreman 262-370-4518
- Greg Livingston – Paving Foreman 414-349-3778
- Jason Brand – Paving Foreman 262-359-0763

SUBS

- Bohmann Vick – Storm Sewer – Gerry Tetzlaff 414-254-4166 or Andy 414-406-5317
(custom Grading - additional sub)

MATERIALS

- Concrete – Schmitz Ready Mix
- Asphalt – Payne & Dolan
- Catch Basin structures – County Material
- Frame & Grates – Neenah Foundry



Parking Lot Maintenance, Inc.

W225 N3178 Duplainville Road, Pewaukee, WI 53072

Pewaukee **262-691-3964**

Kenosha **262-654-1214**

Madison **608-251-3565**

Toll Free **800-776-7164**

Fax **262-691-4811**

WAIVER OF LIEN

January 7, 2020

For value received, We hereby waive all rights and claims for lien on land and on buildings about to be erected, erected, altered or repaired and to the appurtenances thereunto,

for Village of Mukwonago owner _____,

by Parking Lot Maintenance Inc contractor _____,

for 2019 Street Rehabilitation Project

same being situated in Waukesha County, State of Wisconsin, described as _____

440 River Crest Ct Mukwonago WI

for all labor performed and for all material furnished for the erection, construction, alteration or repair of said building and appurtenances, except, None

Thomas C. Opie GM
Thomas C. Opie

Final Waiver of Lien

Date: January 6, 2020

For value received, we hereby waive our rights and claims for lien on land and on buildings about to be erected, being erected, erected, altered or repaired and to the appurtenances thereunto,

Owner: Village of Mukwonago

Service: Plumbing Site Utility Materials

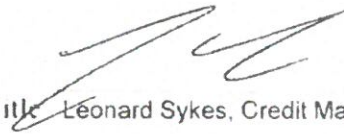
By: Neenah Foundry Company

Same being situated in Waukesha County, State of Wisconsin, described as:

Property located at: 2019 Street Rehabilitation
Mukwonago, WI.

For all labor performed and for all material furnished for erection, construction, alteration or repair of said building and appurtenances with all labor and material paid in full and final.

Neenah Foundry Company



Title Leonard Sykes, Credit Manager 01/08/2020

348851 350282

Final Waiver of Lien

Date: January 6, 2020

For value received, we hereby waive our rights and claims for lien on land and on buildings about to be erected, being erected, erected, altered or repaired and to the appurtenances thereunto,

Owner: Village of Mukwonago

Service: Plumbing Site Utility Materials

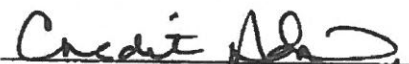
By: County Materials Corporation

Same being situated in Waukesha County, State of Wisconsin, described as:

Property located at: 2019 Street Rehabilitation
Mukwonago, WI.

For all labor performed and for all material furnished for erection, construction, alteration or repair of said building and appurtenances with all labor and material paid in full and final.

COUNTY Materials Corporation

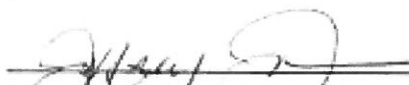

Title

Waiver of Lien

Date 1/3/2020

For value received, we hereby waive all rights and claims for lien on land and on buildings about to be erected, being erected, erected, altered or repaired and to the appurtenances thereunto, for VILLAGE OF MUKWAGO owner by CUSTOM GRADING, INC. contractor, for EXCAVATING AND GRADING same being situated in WAUKESHA County, State of Wisconsin, described as ROAD IMPROVEMENT/UTILITY WORK

for all labor performed and for all material furnished for the erection, construction, alteration or repair of said building and appurtenances.


JEFFEREY JOHNSON, Owner
Custom Grading, Inc.

Final Waiver of Lien

Date: January 3, 2020

For value received, we hereby waive our rights and claims for lien on land and on buildings about to be erected, being erected, erected, altered or repaired and to the appurtenances thereunto,

Owner: Village of Mukwonago

Service: Plumbing Site Utility

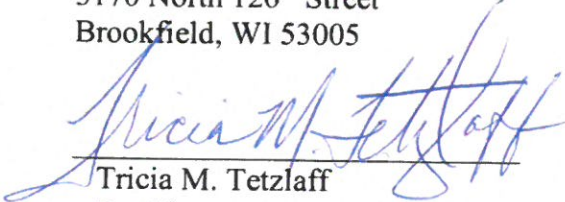
By: Bohmann & Vick, Inc.

Same being situated in Waukesha County, State of Wisconsin, described as:

Property located at: 2019 Street Rehabilitation
Mukwonago, WI .

For all labor performed and for all material furnished for erection, construction, alteration or repair of said building and appurtenances with all labor and material paid in full and final.

Bohmann & Vick, Inc.
3170 North 126th Street
Brookfield, WI 53005



Tricia M. Tetzlaff
President

FULL WAIVER OF CONSTRUCTION LIEN

§779.05, Wis. Stats.

Date: November 22, 2019

1. Claimant's Name: Payne & Dolan
Claimant's Address: N3W23650 Badinger Rd, Waukesha, WI 53187
2. Property Improved by Contractor's Work (check one):
☒ Street address: Mukwonago Village, 440 River Crest Ct., Mukwonago, WI
☐ Legal description attached.
3. Contractor's Work furnished at the request of: (name of party which requested or contracted for work)

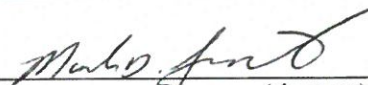
CUSTOMER NAME: PARKING LOT MAINTENANCE INC.

Customer Address: W225 N3178 Duplainville Road

Customer Address: Pewaukee, WI 53072

4. Waiver of lien rights is made for (select one):
☒ The following work: material purchased
(insert description of type of labor, services, material, plans or specifications supplied by Contractor, including percentage performed dollar value, and dates as necessary to accurately describe the Work being waived, stating exceptions, if any)
5. Title Companies, Lenders or others may require disclosure of the Contractor's subcontractors and material suppliers before disbursement of funds related to the Contractor's above-described Work. If so required, specify name(s) of Contractor's subcontractors and material suppliers furnishing any portion of the Work being waived:
(Attach additional sheets if necessary)

CONTRACTOR NAME: PAYNE & DOLAN

By: 

(signature)

Authorized Agent's Name: Mark Genrich

(print name of person signing above)

Title: Agent

Address: N3W23650 Badinger Rd, Waukesha, WI 53187

Telephone Number: 262-524-1700

§779.05 Waivers of Lien. Provides, in part "(1) Any document signed by a lien claimant or potential claimant and purporting to be a waiver of construction lien rights under this subchapter, is valid and binding as a waiver whether or not consideration was paid therefor and whether the document was signed before or after the labor or material was furnished or contracted for. Any ambiguity in such document shall be construed against the person signing it. Any waiver document shall be deemed to waive all lien rights of the signer for all labor, services, material, plans or specifications performed, furnished or procured, or to be performed, furnished or procured by the claimant at any time for the improvement to which the waiver relates, except to the extent that the document specifically and expressly limits the waiver to apply to a particular portion of such labor, services, material, plans or specifications. A lien claimant or potential lien claimant of whom a waiver is requested is entitled to refuse to furnish a waiver unless paid in full for the labor, services, material, plans or specifications to which the waiver relates. A waiver furnished is a waiver of lien rights only, and not of any contract rights of the claimant otherwise existing."

Contractor's failure to pay its subcontractors or material suppliers from monies received for its Work may result in civil or criminal liability under Wisconsin's theft by contractor statute, §779.02(5), Wis. Stats.

WAIVER OF LIEN

For value received, _____ WE _____ Date JANUARY 2, 2020 _____ hereby waive those rights and claims for lien on land and on buildings being erected, erected, altered or repaired and to the appurtenances thereunto, for _____, owner _____ by MUKWONAGO VILLAGE _____, contractor, for PARKING LOT MAINTENANCE INC _____ same being situated in MUKWONAGO _____ County, State of Wisconsin, described as 440 RIVER CREST CT _____ MUKWONAGO _____

for all labor performed and for all material furnished for the erection, construction, alteration or repair of said building and appurtenances up until the date of this waiver, not hereby waiving a right to lien for future labor or material.

PROVIDED FURTHER, consideration for this waiver is payment of the sum of NONE

If such sum is not received, this waiver is null and void.

SCHMITZ READY-MIX, INC.

Jerome Kultgen
Vice President



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/8/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER R&R Insurance Services Inc 1581 E Racine Avenue PO Box 1610 Waukesha WI 53187-1610	CONTACT NAME: Erin Stelpflug PHONE (A/C, No, Ext): (262)574-7000 FAX (A/C, No): (262)574-7080 E-MAIL ADDRESS: Erin.Stelpflug@rrins.com														
INSURED Parking Lot Maintenance Inc W225N3178 Duplainville Rd Pewaukee WI 53072-4135	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> <tr> <td>INSURER A: West Bend Mutual Ins. Co.</td> <td>15350</td> </tr> <tr> <td>INSURER B: Evanston Ins. Co.</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: West Bend Mutual Ins. Co.	15350	INSURER B: Evanston Ins. Co.		INSURER C:		INSURER D:		INSURER E:		INSURER F:	
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A: West Bend Mutual Ins. Co.	15350														
INSURER B: Evanston Ins. Co.															
INSURER C:															
INSURER D:															
INSURER E:															
INSURER F:															

COVERAGES
CERTIFICATE NUMBER:19/20
REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE				ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS				
A	☒	COMMERCIAL GENERAL LIABILITY				X	2075202 CG2404 05/09 WB1482Z 06/06	4/4/2019	4/4/2020	EACH OCCURRENCE		\$ 1,000,000		
	☐	CLAIMS-MADE	☒	OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)		\$ 300,000		
	☒	Blanket WOS								MED EXP (Any one person)		\$ 10,000		
	☒	Blanket AI/PNC								PERSONAL & ADV INJURY		\$ 1,000,000		
	GEN'L AGGREGATE LIMIT APPLIES PER:				GENERAL AGGREGATE					\$ 2,000,000				
	☐	POLICY	☒	PRO-JECT	☐					LOC	PRODUCTS - COMP/OP AGG		\$ 2,000,000	
	☐	OTHER:										\$		
A	AUTOMOBILE LIABILITY					2075202 CA2048Z 10/13 CA0444 10/13	4/4/2019	4/4/2020	COMBINED SINGLE LIMIT (Ea accident)		\$ 1,000,000			
	☒	ANY AUTO		☐					SCHEDULED AUTOS	BODILY INJURY (Per person)		\$		
	☐	ALL OWNED AUTOS		☐					NON-OWNED AUTOS	BODILY INJURY (Per accident)		\$		
	☐	HIRED AUTOS		☒					Blanket WOS	PROPERTY DAMAGE (Per accident)		\$		
	☐											\$		
A	☐	UMBRELLA LIAB		☒	OCCUR	2075202 WB2518 01/18	4/4/2019	4/4/2020	EACH OCCURRENCE		\$ 10,000,000			
	☐	EXCESS LIAB		☐	CLAIMS-MADE				AGGREGATE		\$ 10,000,000			
	☐	DED	☒	RETENTION \$ 0							\$			
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				Y / N Y	N / A	0756913 Blanket WOS WC000313 04/84	4/4/2019	4/4/2020	☒	PER STATUTE	☐	OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)									E.L. EACH ACCIDENT		\$ 100,000		
	If yes, describe under DESCRIPTION OF OPERATIONS below									E.L. DISEASE - EA EMPLOYEE		\$ 100,000		
										E.L. DISEASE - POLICY LIMIT		\$ 500,000		
B	Pollution Liability						CPLMOL100611	5/3/2019	5/3/2020	Limit		\$1,000,000		

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Village of Mukwonago and Ruekert-Mielke Inc are Additional Insureds for General Liability including ongoing and completed operations per the above referenced form when required by written contract. Ted & Sal Balistreri are excluded from Work Comp.

CERTIFICATE HOLDER
CANCELLATION

Village of Mukwonago 440 Rivercrest Ct Mukwonago, WI 53149-1759	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE J Vanderveldt/ES627
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Additional Named Insureds

Other Named Insureds

PLM Paving & Concrete, LLC Limited Liability Company, Insured Multiple Names

PLM Paving II, LLC

Stone Coatings & Asphalt Maintenance LLC

T J's Leasing Insured Multiple Names

T&T LLC

Theodore J Balestreri & Salvatore J Balestreri Additional Named Insured

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – CONTRACTOR'S BLANKET (BROAD FORM)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

- A. WHO IS AN INSURED (Section II)** is amended to include as an additional insured any person or organization whom you are required to add as an additional insured on this policy under a written contract or written agreement.

The written contract or written agreement must be:

1. Currently in effect or becoming effective during the term of this policy; and
2. Executed prior to the "bodily injury," "property damage," "personal injury and advertising injury."

- B.** The insurance provided to the additional insured is limited as follows:

1. That person or organization is only an additional insured with respect to liability arising out of:
 - a. Your premises;
 - b. "Your work" for that additional insured; or
 - c. Acts or omissions of the additional insured in connection with the general supervision of "your work."
2. The Limits of Insurance applicable to the additional insured are those specified in the written contract or written agreement or in the Declarations for this policy, whichever is less. These Limits of Insurance are inclusive and not in addition to the Limits of Insurance shown in the Declarations.

3. Except when required by written contract or written agreement, the coverage provided to the additional insured by this endorsement does not apply to:

- a. "Bodily injury" or "property damage" occurring after:

- (1) All work on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured at the site of the covered operations has been completed; or

- (2) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as part of the same project.

- b. "Bodily injury" or "property damage" arising out of acts or omissions of the additional insured other than in connection with the general supervision of "your work."

4. The insurance provided to the additional insured does not apply to "bodily injury," "property damage," "personal injury and advertising injury" arising out of an architect's, engineer's, or surveyor's rendering of or failure to render any professional services including;

- a. The preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and

- b. Supervisory, or inspection activities performed as part of any related architectural or engineering activities.

- C. As respects the coverage provided under this endorsement, Paragraph **4.b. SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS** is amended with the addition of the following:

4. Other insurance

b. Excess insurance

This insurance is excess over:

Any other valid and collectible insurance available to the additional insured whether primary, excess, contingent or on any other basis unless a written contract specifically requires that this insurance be either primary or primary and noncontributing. Where required by written contract, we will consider any other insurance maintained by the additional insured for injury or damage covered by this endorsement to be excess and noncontributing with this insurance.

When this insurance is excess, as a condition of coverage, the additional insured shall be obligated to tender the defense and indemnity of every claim or suit to all other insurers that may provide coverage to the additional insured, whether on a contingent, excess or primary basis.

AGENDA ITEM REQUEST FORM

Committee/Board:	Village Board
Topic:	Motion to approve purchase requisition for pedestrian crossing lights at STH 83 & Lincoln Avenue.
From:	Diana Dykstra
Department:	Police
Presenter:	Chief Kevin Schmidt
Date of Committee Action (if required)	February 5, 2020
Date of Village Board Action (if required)	February 19, 2020

Information

Subject:

Motion to approve purchase requisition for pedestrian crossing lights at STH 83 & Lincoln Avenue.

Background Information/Rationale:

These pedestrian lights would go at the school crosswalk on STH 83 in the area of Lincoln Avenue. We have had instances of the crossing guard stopping traffic. Vehicles approaching the stopped vehicles will try to pass on the right side of the stopped vehicle. These lights will warn drivers that a pedestrian is crossing the street.

Key Issues for Consideration:

This is a safety issue for all pedestrians crossing STH 83 at Lincoln Avenue.

Fiscal Impact (if any):

Money for this project was approved in the Police Department 2020 capital budget. We have \$20,000 budgeted.

Requested Action by Committee/Board:

Attachments

[Purchase Requisition.docx](#)
[Sales-Quote Q1818006.pdf](#)

VILLAGE OF MUKWONAGO PURCHASE REQUISITION

PLEASE TYPE OR PRINT IN INK CLEARLY ON THIS FORM

DATE:	February 5, 2002	NUMBER:	
--------------	------------------	----------------	--

VENDOR NAME & ADDRESS:	SHIP TO:
TAPCO (Traffic & Parking Control Co, Inc. 5100 West Brown Deer Road Brown Deer, Wisconsin 53223	Village of Mukwonago Public Works 630 East Veterans Way Mukwonago, WI 53149

DEPT NAME:	SUGGESTED VENDOR	AUTHORIZED SIGNATURE
Police Department	TAPCO	Chief Kevin Schmidt

BUDGETED ITEM?	Yes	BUDGETED SOURCE:	Capital Budget
-----------------------	-----	-------------------------	----------------

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>	<u>ACCT #</u>
1	1	Pedestrian Crossing lights at STH 83 & Lincoln Avenue (See attached sales quote Q1818006 for detailed list)		\$5,770.56	#430-5700- 5711
2		Installation of lights		\$13,500.00	#430-5700- 5711
			TOTAL	\$19,270.56	

FINANCE COMMITTEE USE ONLY	
APPROVED (COMMITTEE INITIALS):	
DATE:	
SPECIAL INSTRUCTIONS	



Safe travels:

Traffic and Parking Control Co., Inc.

5100 West Brown Deer Road

Brown Deer, Wisconsin 53223

Phone (800) 236-0112 • TAPConet.com • Fax (800) 444-0331

SALES QUOTE

Customer Copy

Number	Q1818006
Date	10/8/2018
Page	1

Sell To Cust. C14189	Mukwonago Police Dept. Kevin Schmidt/Ron Bittner 627 S. Rochester St Mukwonago, WI 53149 USA			Ship To Cust.	Mukwonago Police Dept. Ron Bittner 627 S. Rochester St Mukwonago, WI 53149 USA	
Customer PO #		Expires	Slsp	Terms	Freight	Ship Via
PED XING STH 83- LINCOLN		2/28/2020	Aaron Guilbault	Net 30 DAYS	PREPAY/ADD	BEST RATE

Item	Description	Quantity	UM	Price	Extension
2180-SYSTEM	Controllers for AC RRFB System	2	EA	1,200.00	\$2,400.00
	Includes:				
500106	Controller, 120VAC, 108045, Hollow, Radio	2	EA		
2180-BRKT-R	Cabinet Bracket Set, Fits Round Poles 2-3/8 & Up, Standard Hardware, Brackets, & Snap Locks	2	EA		
101620-NOLED	Push Button Bulldog Add-On Option Kit Yellow, No LED	2	EA	160.00	\$320.00
138089	RRFB Assembly with Universal Mounting Kit	4	EA	400.00	\$1,600.00
129066	Bollard Pole Package, 4', 4.5" OD, 18" J-Bolts	2	EA	360.00	\$720.00
101620-NOLED	Includes: Pole, Base, J-Bolts & Cap				
	Push Button Bulldog Add-On Option Kit Yellow, No LED	2	EA	160.00	\$320.00
100043	Wire 2C 18awg 16TC 2464 1000' Spool 300V CM Brn/Blu	100	FT		
373-05073	S1-1,30"x30" DG3 FYG,School Crossing (Symbol) Fed Spec Sign	2	EA	105.16	\$210.32
373-01757	W16-7PR,24"x12" DG3 FYG,Down Diagonal Right Arrow (Fed Spec) Sign	2	EA	36.20	\$72.40
107265	Sign Mounting Kit, Banded, Flared Leg, Standard For Mounting B2B Static Signs to a Large Pole	4	EA	31.96	\$127.84
OUTSOURCED SIGNAL	Pro Electric Install Blinker Xing	1	EA	13,500.00	\$13,500.00

*Estimate - Customer to decide which route to go regarding PB pole.
Plus Shipping and Handling
Lead Time: 4 Weeks

Scope of Work signature will be required upon

Thank you- Aaron Guilbault

Shipment within _____
Acceptance By _____
Date _____
By _____

Merchandise	Freight	Tax	Total
\$19,270.56	\$0.00	\$0.00	\$19,270.56

For terms and conditions, please visit: <http://www.tapconet.com/terms-and-conditions>



Safe travels:

Traffic and Parking Control Co., Inc.

5100 West Brown Deer Road

Brown Deer, Wisconsin 53223

Phone (800) 236-0112 • TAPCOnet.com • Fax (800) 444-0331

SALES QUOTE

Customer Copy

Number	Q1818006
Date	10/8/2018
Page	2

Sell To Cust. C14189	Mukwonago Police Dept. Kevin Schmidt/Ron Bittner 627 S. Rochester St Mukwonago, WI 53149 USA			Ship To Cust.	Mukwonago Police Dept. Ron Bittner 627 S. Rochester St Mukwonago, WI 53149 USA	
Customer PO #		Expires	Slsp	Terms	Freight	Ship Via
PED XING STH 83- LINCOLN		2/28/2020	Aaron Guilbault	Net 30 DAYS	PREPAY/ADD	BEST RATE

Item	Description	Quantity	UM	Price	Extension
	#920-728-1792 aaron@tapconet.com				

Shipment within _____
Acceptance By _____
Date _____
By _____

Merchandise	Freight	Tax	Total
\$19,270.56	\$0.00	\$0.00	\$19,270.56

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For terms and conditions, please visit: <http://www.tapconet.com/terms-and-conditions>

Village of Mukwonago
440 River Crest Court, P.O. Box 206
Mukwonago, WI 53149
Phone: (262) 363-6420
Fax: (262) 363-6425
www.villageofmukwonago.com

VILLAGE OF MUKWONAGO PARK FACILITIES RENTAL APPLICATION FIELD PARK

Date Submitted: 01/07/2020

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

GUIDELINES

This form must be completely in its entirety and submitted to the Village of Mukwonago Clerk's Office, 440 River Crest Court, 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: Field Park Usage
PO Box 206
Mukwonago, WI 53149
Email to: sbraatzir@villageofmukwonago.com

FEES (check all that apply)

- | | | |
|---|---------------------------------------|------------------|
| ☐ Field Park Pavilion A Resident (Main Pavilion) – 1-49 people | \$100.00 per day | \$ _____ |
| ☐ Field Park Pavilion A Resident (Main Pavilion) – 50-100 people | \$150.00 per day | \$ _____ |
| ☐ Field Park Pavilion A Resident (Main Pavilion) – more than 100 people | \$175.00 per day | \$ _____ |
| ☐ Field Park Pavilion B Resident (Ball Diamond Pavilion) | \$75.00 per day | \$ _____ |
| ☐ Field Park Pavilion C Resident (Playground Pavilion) | \$75.00 per day | \$ _____ |
| ☐ Field Park Baseball Field Reservation (for non-athletic organizations) | \$25.00 per day | \$ _____ |
| ☐ Field Park Baseball Field Lights | \$30.00 per day | \$ _____ |
| ☐ Entire Park Resident | <i>50</i> \$200.00 per day | \$ <i>200.00</i> |
| ☐ Electricity and Coordination (Pavilions B or C) | \$10.00 per day | \$ _____ |
| ☐ Non-Resident Fee | Additional \$25.00 per day | \$ _____ |

Fee Total \$ *200.00*

DEPOSIT (check all that apply)

- | | | |
|---|----------|----------|
| ☐ Field Park Pavilion A and/or entire park Deposit | \$200.00 | \$ _____ |
| ☐ Field Park Pavilion B and C Deposit | \$100.00 | \$ _____ |
| ☐ Key Deposit | \$10.00 | \$ _____ |

Deposit Total \$ _____

APPLICANT INFORMATION

Name: Albert Frankenstein, Treasurer
Address: [REDACTED] City: Mukwonago State: WI Zip: 53149
Daytime Phone: [REDACTED] Fax: _____
E-Mail: [REDACTED]

ORGANIZATION INFORMATION

Name of Organization: Mukwonago Lions Foundation, Inc.
Mailing Address: P O Box 61 City: Mukwonago State: WI Zip: 53149
Phone Number: _____ Is the organization a 501(c)3 organization? ☒ YES ☐ NO
Website Address: www.e-clubhouse.org/sites/mukwonago/

RENTAL INFORMATION

Date(s) of the Event: June 18, 19, 20, 21 2020
Estimated # of Participants: 500 - 2000 daily
NOTE: (If there are 150 people or more, a special event permit will be required under separate application):
Thursday 6:00 - 10:30 PM; Friday and Saturday 8:00 AM - 11:30 PM; Sunday 8:00 AM - 6:30 PM
Event Start Time: _____ Event End Time: _____

A. Generally describe your event and its purpose.

Summerfeste set-up begins June 15 1nd clean-up ends June 22. Thursday events include softball, bean bag tournament, carnival, cancer run/walk, and DJ music. Friday events include Father of the Year, softball tournament, live music, carnival, and fireworks. Saturday events include softball and horse shoe tournaments, petting zoo, various children activities, and carnival. Sunday events include the noon Father's Day parade, softball, live music, car show, and carnival.

B. Will you be serving alcohol? *If yes, temporary Class B beer and/or wine (picnic) and operator (bartender) licenses may be necessary under separate application.* ☒ YES ☐ NO

C. Does your event involve amplified music?

If yes, will the amplified music be a ☒ Band ☒ DJ ☐ Other

Hours of amplified music: Thursday DJ 6:00 - 10:30 PM; Friday and Saturday bands 7:00 - 11:30 PM; Sunday band 2:00 - 6:30 PM.

D. If you will be using the baseball field lights, what are the times needed? Thursday, Friday and Saturday until 11:30 PM

E. 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. There may be a separate fee for tent inspection.* ☒ YES ☐ NO

F. Please describe your dumpster/clean-up plan.

The Lions utilize the Village of Mukwonago garbage cans plus 60 more from the American Legion Post.
The Lions provides 2 - 30 yard dumpsters for clean-up.
The Lions provide 21 porta-johns, 1 handicap porta-john, and 4 wash stations.

- G. What other assistance do you foresee needing from the Village (personnel, materials, equipment, etc.)?

The Village of Mukwonago provides additional picnic tables, the Village provides police assistance, the fire department assists with the fireworks, Village provides police and reserves during the parade, the Village provides needed barricades, and other needs as outlined in this application.

INSURANCE REQUIREMENTS

The applicant will provide an indemnity bond if the event has 50-149 people per day. The applicant will obtain liability insurance for an event that includes alcohol or has 150 or more people per day. 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

DEPOSIT REQUIREMENTS

The applicant is required to submit to the Village Clerk-Treasurer's Office a cleaning/damage deposit (amount listed above) each scheduled day of the event (or portion thereof) two months 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 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.


Signature - Applicant

01/17/2020

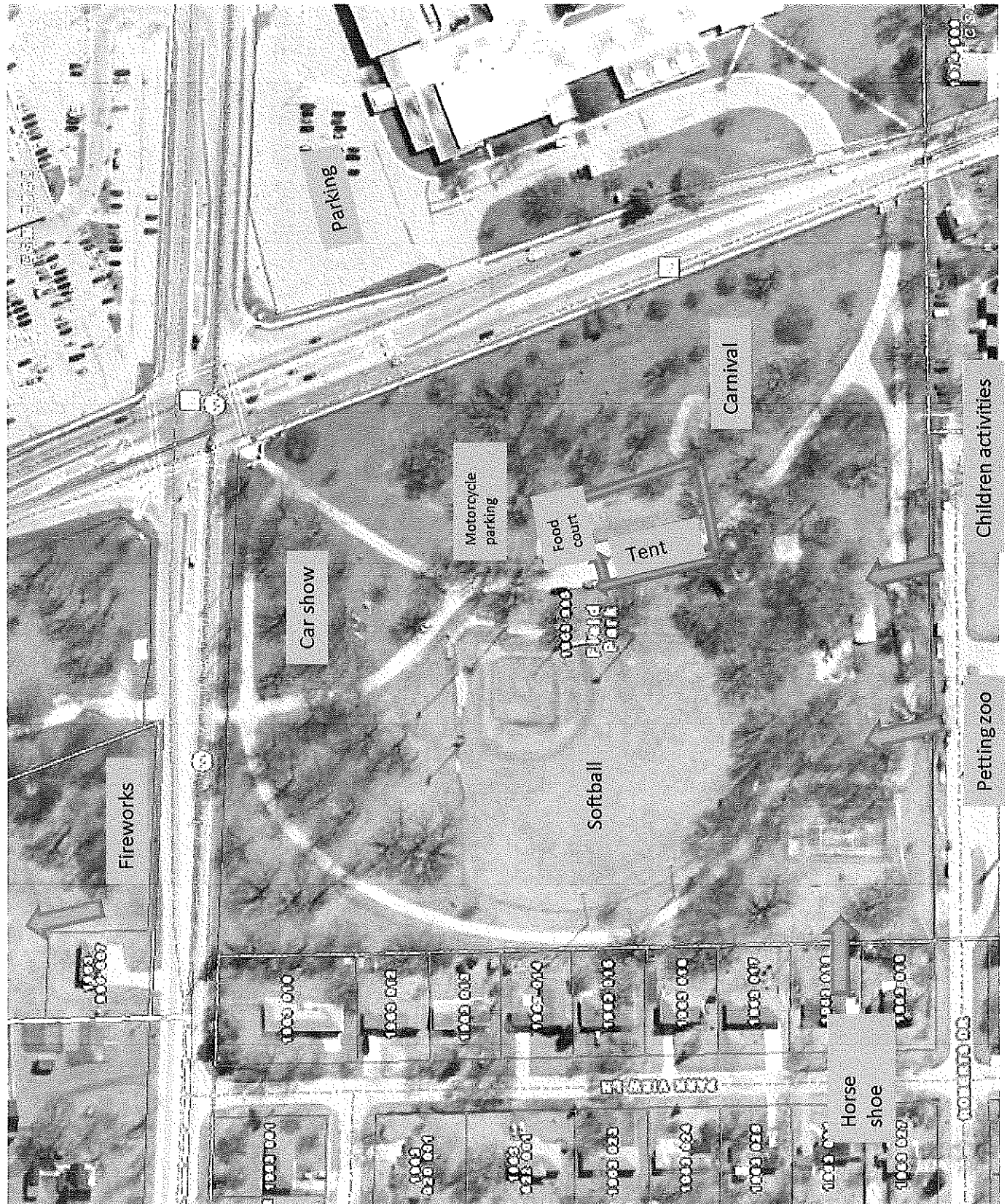
Date

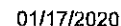
Albert Frankenstein, Treasurer

Print Name

FOR OFFICE USE ONLY			
Date Fees/Deposit Paid 1-30-20 \$200	Receipt # 41280	Date Deposit Returned	Permit #
Key # Issued	Date Key Issued	Key # Returned	Date Key Issued
Application forwarded to: ☐ Administrator ☐ Building Inspection ☐ Fire Department ☐ Police Department ☐ Public Works Department			

SUMMERFESTE ACTIVITY LOCATIONS





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: Mukwonago Lions Foundation, Inc.

Mailing Address: P O Box 61 City: Mukwonago State: WI Zip: 53149

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

Website Address: www.e-clubhouse.org/sites/mukwonago/

Event Contact Person: Rich Schrank

Mailing Address: [REDACTED] Court City: Mukwonago State: WI Zip: 53149

Home Phone: 262- [REDACTED] Work Phone: _____ Cell Phone: [REDACTED] 3

Email Address: [REDACTED]@ [REDACTED].com

EVENT INFORMATION

Name of the Event: Mukwonago Lions Summerfeste Date(s) of the Event: June 18, 19, 20, 21 2020

Event Start Time: Thursday 6:00 -10:30 PM; Friday 6:00 - 11:30 PM; Saturday 8:00 AM - 11:30 PM; Sunday 8:00 AM - 6:30 PM

Event End Time: _____

Location of the Event: Field Park, Mukwonago

- 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.

- E. Based on the class definitions found in the manual, what class is your event? ☒ CLASS I ☐ CLASS II
- F. Estimated # of participants: 200 Spectators: 500 - 2000 daily Vendors: 2 food stands

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: 3
- 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
Thursday DJ 6:00 - 10:30 PM; Friday and Saturday bands 8:00 - 11:30 PM; Sunday band 2:00 - 6:30 PM
Hours of amplified music: _____
- I. Please list the number of security staff you will be providing for the event: To be determined with MPD
- J. Will you need barricades provided by the Village for your event? ☒ YES ☐ NO
If yes, how many? To be determined
- 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
21 porta-johns, 1 handicap porta-john, and 4 washing stations - pumped daily
- 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.)?
See attached documents

- 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

Signature - Applicant

Name & Title (PRINT)

Albert Frankenstein, Treasurer

Name & Title (PRINT)

Date

January 17 2020

Date

FOR OFFICE USE ONLY			
Date Fees Paid 1-30-20 \$80	Receipt # 41280	Date Deposit Paid	Deposit Returned?
Police Department:	Approved ☐ Denied ☐ Comments:		
Fire Department:	Approved ☐ Denied ☐ Comments:		
Public Works Department:	Approved ☐ Denied ☐ Comments:		
Village Clerk:	Approved ☐ Denied ☐ Comments:		
Village Board Approval Date	Village President Signature	Permit #	Issue Date

SPECIAL EVENT PERMIT APPLICATION

CONTACT INFORMATION AND FEES SHEET

DEPARTMENT CONTACTS:

Clerk/Treasurer (262) 363-6421
 Building Inspection (262) 363-6419
 Fire (262) 363-6426

Police (262) 363-6435
 Public Works (262) 363-6447
 Water/Sewer Utility (262) 363-6416

VILLAGE PERMIT AND OTHER FEES:

Class I Event (Includes alcohol and/or amplified music)	\$20 per day of event
Class II Event	\$10 per day of event
Electrical Inspection	\$75 per hour
Fireworks Permit	No charge; State and local permit required
Parade Permit	\$25
Park Rental Permit	To be determined at the Clerk/Treasurer's Office
Pre-event Safety Inspection	\$75 per hour
Security Deposit	\$200 per event; May encounter additional deposit if using a park facility
Temporary Operator (Bartender) License	\$20 + \$7 background check fee each
Temporary Class B (Picnic) Beer and/or Wine License	\$10 per event
Tent Inspection (<2,500 sq. ft.)	\$35
Tent Inspection (>2,500 sq. ft.)	\$50

Village of Mukwonago
440 River Crest Court, P.O. Box 206
Mukwonago, WI 53149
Phone: (262) 363-6420
Fax: (262) 363-6425
www.villageofmukwonago.com

VILLAGE OF MUKWONAGO PARK FACILITIES RENTAL APPLICATION FIELD PARK

Date Submitted: 01/17/2020

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

GUIDELINES

This form must be completely in its entirety and submitted to the Village of Mukwonago Clerk's Office, 440 River Crest Court, 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: Field Park Usage
PO Box 206
Mukwonago, WI 53149
Email to: sbraatzjr@villageofmukwonago.com

FEES (check all that apply)

☐ Field Park Pavilion A Resident (Main Pavilion) – 1-49 people	\$100.00 per day	\$ <u>50.00</u>
☐ Field Park Pavilion A Resident (Main Pavilion) – 50-100 people	\$150.00 per day	\$ _____
☐ Field Park Pavilion A Resident (Main Pavilion) – more than 100 people	\$175.00 per day	\$ _____
☐ Field Park Pavilion B Resident (Ball Diamond Pavilion)	\$75.00 per day	\$ _____
☐ Field Park Pavilion C Resident (Playground Pavilion)	\$75.00 per day	\$ _____
☐ Field Park Baseball Field Reservation (for non-athletic organizations)	\$25.00 per day	\$ _____
☐ Field Park Baseball Field Lights	\$30.00 per day	\$ _____
☐ Entire Park Resident	\$200.00 per day	\$ <u>50.00</u>
☐ Electricity and Coordination (Pavilions B or C)	\$10.00 per day	\$ _____
☐ Non-Resident Fee	Additional \$25.00 per day	\$ _____
Fee Total		\$ <u>50.00</u>

DEPOSIT (check all that apply)

☐ Field Park Pavilion A and/or entire park Deposit	\$200.00	\$ _____
☐ Field Park Pavilion B and C Deposit	\$100.00	\$ _____
☐ Key Deposit	\$10.00	\$ _____
Deposit Total		\$ _____

APPLICANT INFORMATION

Name: Albert Frankenstein
Address: [REDACTED] City: Mukwonago State: WI Zip: 53149
Daytime Phone: 262-363-4380 Fax: _____
E-Mail: [REDACTED]@m

ORGANIZATION INFORMATION

Name of Organization: Mukwonago Lions Foundation, Inc.
Mailing Address: P O Box 61 City: Mukwonago State: WI Zip: 53149
Phone Number: 262-363-4380 Is the organization a 501(c)3 organization?: ☒ YES ☐ NO
Website Address: www.e-clubhouse.org/sites/mukwonago/

RENTAL INFORMATION

Date(s) of the Event: April 4 with possible snow date April 11

Estimated # of Participants: 200 - 500 children

NOTE: (If there are 150 people or more, a special event permit will be required under separate application):

Event Start Time: 10:00 AM Event End Time: 12:00 noon

A. Generally describe your event and its purpose.

The annual Easter Egg Hunt has four divisions of 2-3, 4-5, 6-7, and 8-9 year old children located
in four areas of Field Park. Each groups has about 30 winners, except the 2-3 year olds have about 50 winners.
Each child also receives a bag of candy.

B. Will you be serving alcohol? *If yes, temporary Class B beer and/or wine (picnic) and operator (bartender) licenses may be necessary under separate application.* ☐ YES ☒ NO

C. Does your event involve amplified music?

If yes, will the amplified music be a: ☐ Band ☐ DJ ☐ Other

Hours of amplified music: _____

D. If you will be using the baseball field lights, what are the times needed?

E. 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. There may be a separate fee for tent inspection.* ☐ YES ☒ NO

F. Please describe your dumpster/clean-up plan.

There is very little litter, but the garbage cans around the pavilion can be utilized.

G. What other assistance do you foresee needing from the Village (personnel, materials, equipment, etc.)?

None

With the limited time at the park, the portable potties provided at the park should be sufficient.

INSURANCE REQUIREMENTS

The applicant will provide an indemnity bond if the event has 50-149 people per day. The applicant will obtain liability insurance for an event that includes alcohol or has 150 or more people per day. 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

DEPOSIT REQUIREMENTS

The applicant is required to submit to the Village Clerk-Treasurer's Office a cleaning/damage deposit (amount listed above) each scheduled day of the event (or portion thereof) two months 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 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.


Signature - Applicant

01/17/2020

Date

Albert Frankenstein, Treasurer

Print Name

FOR OFFICE USE ONLY			
Date Fees/Deposit Paid 1-30-20 \$50	Receipt # 41280	Date Deposit Returned	Permit #
Key # Issued	Date Key Issued	Key # Returned	Date Key Issued
Application forwarded to: ☐ Administrator ☐ Building Inspection ☐ Fire Department ☐ Police Department ☐ Public Works Department			

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: Mukwonago Lions Foundation, Inc.

Mailing Address: P O Box 61 City: Mukwonago State: WI Zip: 53149

Phone Number: 262-363-4380 Is the organization a 501(c)3 organization?: ☒ YES ☐ NO

Website Address: www.e-clubhouse.org/sites/mukwonago/

Event Contact Person: Albert Frankenstein

Mailing Address: [REDACTED] Mukwonago State: WI Zip: 53149

Home Phone: 262-363-4380 Work Phone: [REDACTED] Cell Phone: [REDACTED]

Email Address: deerslay31@aol.com

EVENT INFORMATION

Name of the Event: Mukwonago Lions Easter Egg Hunt Date(s) of the Event: April 4, snow date April 11, 2020

Event Start Time: 10:00 AM Event End Time: 12:00 noon

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. 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.
The Lions Easter Egg Hunt has four divisions of 2-3, 4-5, 6-7, and 8-9 year old children located in four area
of Field Park. Each group has about 320 prize winners, except the 2-3 year olds have about 50 winners.
Each child also receives a bag of candy.
- E. Based on the class definitions found in the manual, what class is your event? ☒ CLASS I ☐ CLASS II
- F. Estimated # of participants: 250-350 Spectators: 100 Vendors:

OTHER INFORMATION

- A. Is there an outdoor bar that will serve alcohol? *If yes, temporary Class B beer and/or wine (picnic) and operator (bartender) licenses are necessary under separate application.* ☐ YES ☒ NO
- B. Please list the number of Village of Mukwonago licensed bartenders that will be on site: _____
- C. Will you be selling/serving food? *If yes, you will need to contact Waukesha County Health Department (262-896-8300) for proper permits.* ☐ YES ☒ NO
- D. Will your event need electricity? *If yes, the Fire Department and Building Inspection Department will need to inspect prior to being energized.* ☐ YES ☒ NO
- E. Will you be setting up any lighting? *If yes, the Fire Department and Building Inspection Department will need to inspect prior to being energized.* ☐ YES ☒ NO
- F. Will your event require any fencing? *If yes, please provide plans for the fencing location and the gates.* ☐ YES ☒ NO
- G. Does your event involve fireworks? *If yes, you will need to contact the Fire Department (262-363-6426) for proper permits.* ☐ YES ☒ NO
- H. Does your event involve amplified music? ☐ YES ☒ NO
 If yes, will the amplified music be a: ☐ Band ☐ DJ ☐ Other
 Hours of amplified music: _____
- I. Please list the number of security staff you will be providing for the event: _____
- J. Will you need barricades provided by the Village for your event? ☐ YES ☒ NO
 If yes, how many? _____
- K. Will you be erecting any tents, canopies, or other temporary structure(s)? *If yes, please provide a plan for their proposed locations. The Fire Department and Building Inspection Department will need to inspect these structures prior to the start of your event.* ☐ YES ☒ NO
- L. Will you be providing portable restrooms and wash stations? *If yes, please provide a description of how many restrooms/wash stations will be provided, their locations, and the plan for how solid waste will be disposed of.* ☐ YES ☒ NO
- M. Will you provide parking for your participants? *If yes, please provide a plan describing where parking will be available.* ☐ YES ☒ NO
- N. Will you provide dumpster/clean-up services? *If yes, please provide a clean-up and refuse collection plan.* ☐ YES ☒ NO
- O. What other assistance do you foresee needing from the Village (personnel, materials, equipment, etc.)?
 The supply of Village garbage cans is adequate since the event has limited hours. The supply of portable
~~potties available at Field Park should be adequate. The Village picnic tables will be moved and not used for~~
 this event. The only electricity required is for lighting in the pavilion while children wait for the eggs to be
~~hidden in the park.~~
- 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

Albert Frankenstein, Treasurer

Name & Title (PRINT)

01/17/2020

Date

Signature - Applicant

Name & Title (PRINT)

Date

FOR OFFICE USE ONLY			
Date Fees Paid 1-30-20 \$20	Receipt # 4180	Date Deposit Paid	Deposit Returned?
Police Department:	Approved ☐ Denied ☐ Comments:		
Fire Department:	Approved ☐ Denied ☐ Comments:		
Public Works Department:	Approved ☐ Denied ☐ Comments:		
Village Clerk:	Approved ☐ Denied ☐ Comments:		
Village Board Approval Date	Village President Signature	Permit #	Issue Date

SPECIAL EVENT PERMIT APPLICATION

CONTACT INFORMATION AND FEES SHEET

DEPARTMENT CONTACTS:

Clerk/Treasurer (262) 363-6421
 Building Inspection (262) 363-6419
 Fire (262) 363-6426

Police (262) 363-6435
 Public Works (262) 363-6447
 Water/Sewer Utility (262) 363-6416

VILLAGE PERMIT AND OTHER FEES:

Class I Event (Includes alcohol and/or amplified music)	\$20 per day of event
Class II Event	\$10 per day of event
Electrical Inspection	\$75 per hour
Fireworks Permit	No charge; State and local permit required
Parade Permit	\$25
Park Rental Permit	To be determined at the Clerk/Treasurer's Office
Pre-event Safety Inspection	\$75 per hour
Security Deposit	\$200 per event; May encounter additional deposit if using a park facility
Temporary Operator (Bartender) License	\$20 + \$7 background check fee each
Temporary Class B (Picnic) Beer and/or Wine License	\$10 per event
Tent Inspection (<2,500 sq. ft.)	\$35
Tent Inspection (>2,500 sq. ft.)	\$50

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

18609

VILLAGE OF MUKWONAGO

PARK FACILITIES RENTAL APPLICATION

FIELD PARK

Date Submitted: 1/2/20 via email

5/1 - 5/2

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

GUIDELINES

This form must be completely in its entirety and submitted to the Village of Mukwonago Clerk's Office, 440 River Crest Court, 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: Field Park Usage
440 River Crest Ct
Mukwonago, WI 53149
Email to: lgourdoux@villageofmukwonago.com

FEES (check all that apply)

☐ Field Park Pavilion A Resident (Main Pavilion) – 1-49 people	\$100.00 per day	\$ _____
☐ Field Park Pavilion A Resident (Main Pavilion) – 50-100 people	\$150.00 per day	\$ _____
☒ Field Park Pavilion A Resident (Main Pavilion) – more than 100 people	\$175.00 per day	\$ <u>350.⁰⁰</u>
☐ Field Park Pavilion B Resident (Ball Diamond Pavilion)	\$75.00 per day	\$ _____
☐ Field Park Pavilion C Resident (Playground Pavilion)	\$75.00 per day	\$ _____
☐ Field Park Baseball Field Reservation (for non-athletic organizations)	\$25.00 per day	\$ _____
☐ Field Park Baseball Field Lights	\$40.00 per day	\$ _____
☒ Entire Park Resident	\$200.00 per day	\$ <u>200.⁰⁰</u>
☐ Electricity and Coordination (Pavilions B or C)	\$15.00 per day	\$ _____
☐ Non-Resident Fee	Additional \$25.00 per day	\$ _____
Fee Total		\$ <u>550.⁰⁰</u>

DEPOSIT (check all that apply)

☒ Field Park Pavilion A and/or entire park Deposit	\$200.00	\$ <u>200.⁰⁰</u>
☐ Field Park Pavilion B and C Deposit	\$100.00	\$ _____
☒ Key Deposit	\$25.00	\$ <u>25.⁰⁰</u>
Deposit Total		\$ <u>225.⁰⁰</u>

APPLICANT INFORMATION

Name: Joan Lorenz / Prothealth Care Foundation
Address: [REDACTED] City: Waukesha State: WI Zip: 53188
Daytime: [REDACTED] Fax: [REDACTED]
E-Mail: [REDACTED]

ORGANIZATION INFORMATION

Name of Organization: Prothealth Care Foundation
Mailing Address: 725 American Ave City: Waukesha State: WI Zip: 53188
Phone Number: (262) 928-4903 Is the organization a 501(c)3 organization?: ☒ YES ☐ NO
Website Address: http://www.prothealthcare.org/walkforcancer

RENTAL INFORMATION

Date(s) of the Event: 5/1/20 - 5/2/20 Main Pavillion on 5/1/20 10am - 4:30/5:00 pm
Estimated # of Participants: 700 Entire Park on 5/2/20 6/6:30am - 12:30/1:00 pm
NOTE: (If there are 150 people or more, a special event permit will be required under separate application):

Event Start Time: 6:00 am Event End Time: 1:00 pm

A. Generally describe your event and its purpose.

ParkWalk for Cancer is one of three walks held in Waukesha County by Prothealth Care. Funds raised at ParkWalk support cancer research and services at Prothealth DN Greenwald in Mukwonago.

B. Will you be serving alcohol? If yes, temporary Class B beer and/or wine (picnic) and operator (bartender) licenses may be necessary under separate application.

☐ YES ☒ NO

C. Does your event involve amplified music?

If yes, will the amplified music be a: ☐ Band ☒ DJ ☐ Other

Hours of amplified music: 8:00 am - 11:00 am

D. If you will be using the baseball field lights, what are the times needed?

E. 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. There may be a separate fee for tent inspection.

☐ YES ☒ NO

F. Please describe your dumpster/clean-up plan.

We will work with John's Disposal and inform them of the event. All garbage will be placed in the dumpsters. All garbage will be picked up around the park.

G. What other assistance do you foresee needing from the Village (personnel, materials, equipment, etc.)?

None

INSURANCE REQUIREMENTS

The applicant will provide an indemnity bond if the event has 50-149 people per day. The applicant will obtain liability insurance for an event that includes alcohol or has 150 or more people per day. 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

DEPOSIT REQUIREMENTS

The applicant is required to submit to the Village Clerk-Treasurer's Office a cleaning/damage deposit (amount listed above) each scheduled day of the event (or portion thereof) two months 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 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.

Paula Jacobs
Signature - Applicant

12-31-19
Date

Paula Jacobs
Print Name

FOR OFFICE USE ONLY			
Date Fees/Deposit Paid <u>1/13/20</u> \$ <u>225</u>	Receipt # <u>39911</u> \$ <u>550.-</u>	Date Deposit Returned	Permit #
Key # Issued	Date Key Issued	Key # Returned	Date Key Issued
Application forwarded to: ☐ Administrator ☐ Building Inspection ☐ Fire Department ☐ Police Department ☐ Public Works Department			

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

Date Submitted: 1/2/20 via email

Total Fees Paid: _____

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

ORGANIZATION INFORMATION

Name of Organization: ProHealth Care

Mailing Address: 725 American Ave City: Waukesha State: WI Zip: 53188

Phone Number: (262) 928-4156 Is the organization a 501(c)3 organization?: ☒ YES ☐ NO

Website Address: prohealthcare.org/Foundation

Event Contact Person: Joan Lorenz

Mailing Address: 725 American Ave City: Waukesha State: WI Zip: 53188

Home Phone: _____ Work Phone: _____

Email Address: joan.lorenz@phci.org

EVENT INFORMATION

Name of the Event: ParkWalk for Cancer

Date(s) of the Event: May 1-2, 2020 May 1 - event set-up 10am - 5pm

Event Start Time: May 2ND 6:30 am

Event End Time: May 2ND 2 pm/earlier

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. 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.

ProHealth Care's ParkWalk for Cancer is one of three walks held in Waukesha County on May 2ND. Funds raised at this annual event support cancer services at ProHealth Care in Mukwonago. The event is a walk (approx 2-3 miles) in the area around Field Park. Participants enjoy snacks, refreshments & amplified music at the park.

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

F. Estimated # of participants: 700 Spectators: — Vendors: —

OTHER INFORMATION

- A. Is there an outdoor bar that will serve alcohol? *If yes, temporary Class B beer and/or wine (picnic) and operator (bartender) licenses are necessary under separate application.* ☐ YES ☒ NO
- B. Please list the number of Village of Mukwonago licensed bartenders that will be on site: _____
- C. Will you be selling/serving food? *If yes, you will need to contact Waukesha County Health Department (262-896-8300) for proper permits.* ☐ YES ☒ NO
- D. Will your event need electricity? *If yes, the Fire Department and Building Inspection Department will need to inspect prior to being energized.* ☒ YES ☐ NO
using outlets inside pavillion only
- 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: 8:30 am - 11:30 am
- I. Please list the number of security staff you will be providing for the event: _____
- J. Will you need barricades provided by the Village for your event? ☒ YES ☐ NO
If yes, how many? 2-4 *need to block off park entrance & exit to cars*
- 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
Kiwanis Park & Parkview Middle School
- 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.)?
None
- 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.)

Paula Jacobs
Signature - Applicant

Paula Jacobs, Director
Name & Title (PRINT)
12-31-19
Date

Philanthropy

Signature - Applicant

Name & Title (PRINT)

Date

FOR OFFICE USE ONLY			
Date Fees Paid <u>1/13/20 \$20</u>	Receipt # <u>39991</u>	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

ParkWalk for Cancer
Field Park, Mukwonago
Hosted by ProHealth Care
Saturday, May 2, 2020

Event Set-Up - Friday, May 1st; 11 am to 4:30/5 pm

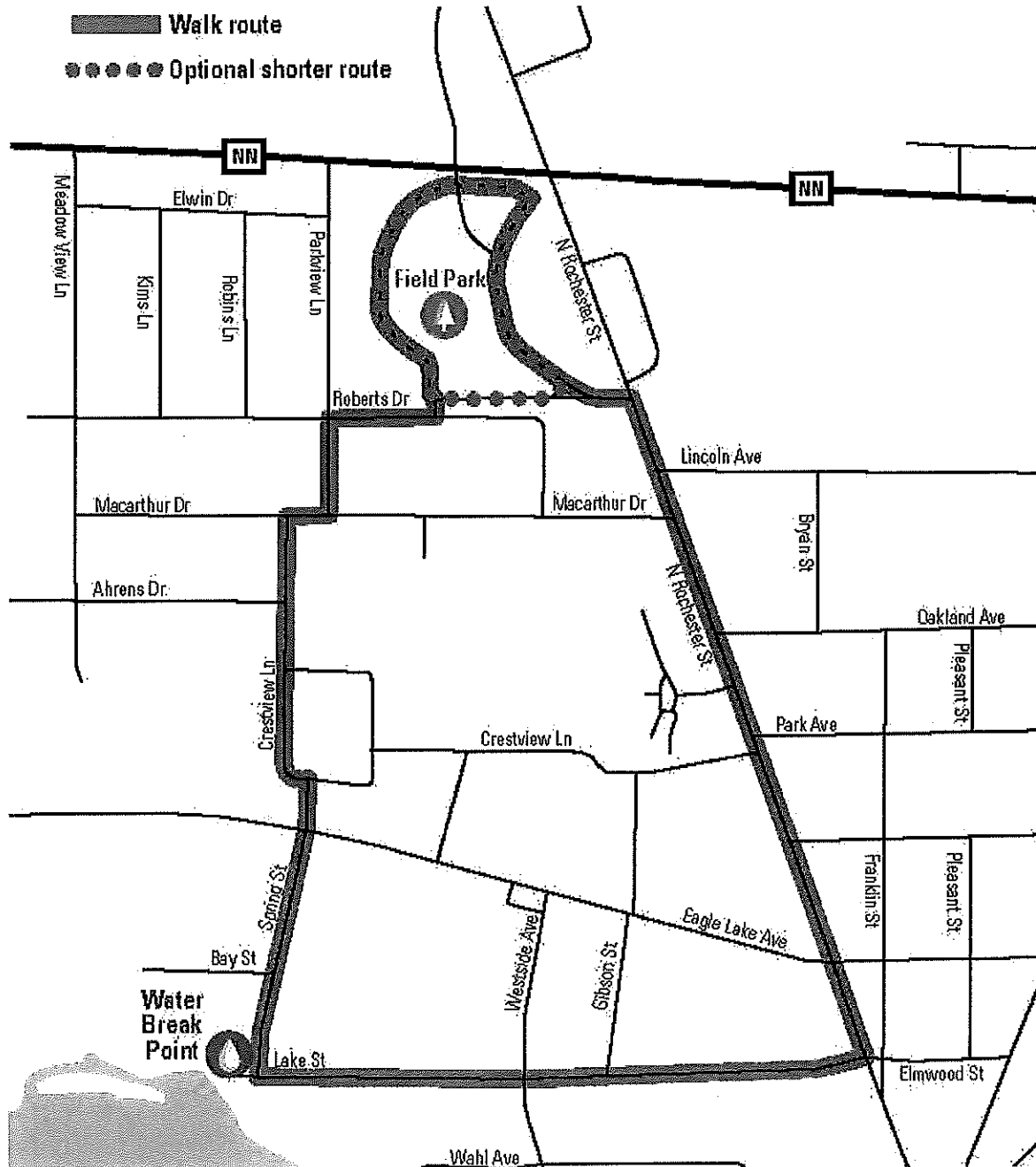
- Clean and set up main shelter
- Arrange tables
- Hang signs inside the pavilion
- Arrange/organize t-shirts & sweatshirts
- Set up registration area
- Prepare survivor, dog station & raffle items for quick set-up on day of walk
- Prepare food area for quick set-up on day of walk
- Place garbage bags in cans throughout park

Event Day – Saturday, May 2nd; 6/6:30 am to 12:30/1 pm

- Set Up (6/6:30 am – 8 am)
 - Place sponsorship signs, etc around the park
 - Put directional signs along the walk route
 - Train Volunteers
 - Set up DJ/Music
- Registration Opens / T-Shirt & Sweatshirt Pick-Up / Raffles / Etc. (8 am)
- Program (9:30 am)
- Walk (10 am – 11 am)
- Post-Walk (11 – Noon)
- Clean-up (11:30 am – 12:30/1 pm)
 - Clean up trash around the park area
 - Separate trash & recycling
 - Place trash & recycling into park dumpsters
 - Take down signs around park, fence, pavilion and walk route
 - Clean up pavilion
 - Lock up pavilion
 - Return keys to Village drop box

ParkWalk for Cancer
Field Park, Mukwonago
Hosted by ProHealth Care
Saturday, May 2, 2020

ParkWalk for Cancer Route – Saturday, May 2nd from 10:00 am – 11:00 am



ParkWalk for Cancer
Field Park, Mukwonago
Hosted by ProHealth Care
Saturday, May 2, 2020

Clean-up / Refuse Collection Plan

John's Disposal has recommended the following:

- Line existing garbage cans with 50 gallon liners
- Divide trash from recycling and place trash/recycling in appropriate Field Park dumpsters
- Volunteers will walk the park and event route to pick up trash/recycling

APPLICATION FOR TEMPORARY CLASS "B"/"CLASS B" RETAILER'S LICENSE

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

FEE \$ 10.00

Application Date: 01/17/2020

☐ 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 06/18/2020 and ending 06/21/2020 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

(a) Name Mukwonago Lions Foundation, Inc. & Mukwonago Lions Club, Inc.

(b) Address P O Box 61, Mukwonago, WI 53149

(Street)

☐ Town ☒ Village ☐ City

(c) Date organized _____

(d) If corporation, give date of incorporation 12/04/1960

(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 Steve Kmiec, S85 W32210 Roberts Court, Mukwonago, WI 53149

Vice President Tim Eggleston, W298 S10583 Circle Drive, Mukwonago, WI 5314

Secretary Bill Sampson, 1023 Mukwonago Drive, Mukwonago, WI 53149

Treasurer Albert Frankenstein, 1253 Riverton Drive, Mukwonago, WI 53149

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

Rich Schrank, W315 S7447 Lakecrest Court, Mukwonago, WI 53149

2. LOCATION OF PREMISES WHERE BEER AND/OR WINE WILL BE SOLD:

(a) Street number Field Park, 933 North Rochester Street, Mukwonago

(b) Lot _____ Block _____

(c) Do premises occupy all or part of building? Pavilion and Snack Shack

(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 Mukwonago Lions Summerfeste

(b) Dates of event June 17 - 21, 2020

DECLARATION

The Officer(s) of the organization, individually and together, declare under penalties of law that the information provided in this application is true and correct to the best of their knowledge and belief.

Mukwonago Lions Foundation, Inc & Lions Club, Inc

(Name of Organization)

Officer _____
(Signature/date)

Officer [Signature] PAST PRESIDENT
(Signature/date)

Officer _____
(Signature/date)

Officer [Signature] Treasurer
(Signature/date)

Date Filed with Clerk 1-30-20 pd \$10

Date Reported to Council or Board _____

Date Granted by Council _____

License No. _____

January 17, 2020

Mr. Fred Winchowky
Village President
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

Re: Box Self Storage Development
Letter of Credit Reduction No. 1
Village of Mukwonago

Dear President Winchowky:

On January 10, 2020 our office received a formal request for a reduction in the letter of credit for the Box Self Storage Development, located on CTH ES in the Village of Mukwonago. We have reviewed the request and have also reviewed the amount of work that has been completed on the site, to-date. We find that the reduction request is consistent with the work completed to-date. The letter of credit currently has a balance of \$479,988.00. The reduction request is for an amount of \$288,898.50, resulting in a remaining letter of credit balance of \$191,089.50. It is important to note that the reduction request that we received, requested a reduction in the contingencies. The contingencies (20% of the original letter of credit) are not eligible for partial reductions and are to remain in place, in full, until at a minimum, one-year following substantial completion and certification of the work. The following table is a breakdown:

ITEM	Current LOC Amount	Reduction Amount	Remaining Balance
Storm Water Ponds Construction	\$55,110.00	\$49,599.00	\$5,511.00
Complete Water System Construction	\$243,870.00	\$158,515.50	\$85,354.50
Complete Storm Sewer Construction	\$32,135.00	\$28,921.50	\$3,213.50
Road Paving Including Stone Base, Curb & Gutter, & Binder Course	\$57,625.00	\$51,862.50	\$5,762.50
Surface Course Paving	\$11,250.00	\$0.00	\$11,250.00
Contingencies (20%)	\$79,998.00	\$0.00	\$79,998.00
Total Letter of Credit Amount:	\$479,988.00	\$288,898.50	\$191,089.50

Please note that, as stated in the Developer Agreement, this partial reduction does not constitute "acceptance" of the improvements, and at this time, we are not recommending acceptance of these improvements. In accordance with Article 1, Section K, of the executed Developer Agreement, we recommend that the Village Board move to reduce the letter of credit as described in the above table, **contingent upon submission of lien waivers by the Developer contractors.**

If you or any staff member should have any questions regarding this, please feel free to contact me at (262) 542-5733.

Mr. Fred Winchowky
Box Self Storage – LOC Reduction #1
January 17, 2020
Page 2

Respectfully,

RUEKERT & MIELKE, INC.



Peter W. Gesch
Project Engineer
pgesch@ruekertmielke.com

PWG:pwg

cc: Diana Dykstra, Village of Mukwonago
John Weidl, Village of Mukwonago
Bob Harley, Village of Mukwonago
Mark G. Blum, Village of Mukwonago
Dave Brown, Village of Mukwonago
Ron Bittner, Village of Mukwonago
Ben Kohout, Village of Mukwonago
Jon Ross, Box Self Storage
Rob Chandler, Box Self Storage
Jerad J. Wegner, P.E., Ruekert & Mielke, Inc.

Accounts Payable Cover Sheet

Report:	Period or corresponding report date	
Village Accounts Payable	2/20/2020	\$ 393,155.45
	Total for Approval:	\$ 393,155.45

The preceding list of bills payable was approved for payment

Date: _____

Approved by: _____

02/13/2020 03:52 PM
User: mschneider
DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO
EXP CHECK RUN DATES 02/20/2020 - 02/20/2020
UNJOURNALIZED OPEN
BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Page: 1/11

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS	APPROVAL AMOUNT	DEPARTMENT
VENDOR NAME: AC SERVICE INC				
36940	CHECK GARAGE CO DETECTOR(ALARM LIGHT ON)	100-5211-539400 336.00	336.00	POLICE
TOTAL VENDOR AC SERVICE INC			336.00	
VENDOR NAME: AIRGAS USA LLC				
9968031473	EMS SUPPLIES	150-5231-531100 343.02	343.02	FIRE
TOTAL VENDOR AIRGAS USA LLC			343.02	
VENDOR NAME: ALSCO				
IMIL1535586	VILLAGE HALL WALKOFF MATS	100-5160-521900 39.21	39.21	DPW
IMIL1533121	JAN 30 MAT CLEANING SERVICE	100-5211-539400 43.89	43.89	POLICE
TOTAL VENDOR ALSCO			83.10	
VENDOR NAME: AMERICAN PUBLIC WORK				
5/2020 - 4/2021	DUIRON BITTNER APWA MEMBERSHIP	100-5300-532400 223.00	223.00	DPW
TOTAL VENDOR AMERICAN PUBLIC WORK			223.00	
VENDOR NAME: ANN L PARRIS				
TAX REFUND	TAX REFUND 153-#OR00013	720-0000-121100 180.85	180.85	FINANCE
TOTAL VENDOR ANN L PARRIS			180.85	
VENDOR NAME: APCO INTERNATIONAL INC				
00048464	COMPLETE PAPERWORK FOR FCC RADIO LICENSE	100-5212-521900 410.00	410.00	POLICE
TOTAL VENDOR APCO INTERNATIONAL INC			410.00	
VENDOR NAME: ASSOCIATED APPRAISAL CONSULTANT INC				
146642	ASSOCIATED APPRAISAL CONTRACT	100-5153-521900 1,414.24	1,414.24	CLERK
TOTAL VENDOR ASSOCIATED APPRAISAL CONSULTANT INC			1,414.24	
VENDOR NAME: AUGUST WINTER & SONS INC				
12-10075.300	PMNT JANAEOROBIC DIGESTER - ACCRUED PAYMENT TO	620-0000-000105 74,452.77	74,452.77	FINANCE
TOTAL VENDOR AUGUST WINTER & SONS INC			74,452.77	
VENDOR NAME: BAKER TILLY VIRCHOW KRAUSE				

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT
VENDOR NAME: BAKER TILLY VIRCHOW KRAUSE				
BT1548555	PROGRESS BILLING #1 2019 AUDIT	100-5151-521900	1,431.87	7,800.00 FINANCE
		150-5221-521900	434.29	
		200-5141-521900	687.74	
		410-5363-521900	162.50	
		430-5141-521900	266.99	
		440-5511-521900	300.61	
		480-5151-521900	558.72	
		500-5344-521900	9.89	
		600-5140-582700	2.29	
		600-5140-582800	10.77	
		600-5140-582900	2.24	
		610-5140-582600	18.29	
		620-5140-583000	6.76	
		220-5151-521900	780.00	
		240-5151-521900	780.00	
		250-5151-521900	780.00	
		610-6920-692300	780.00	
		620-8400-852000	780.00	
		810-5140-521900	7.04	
TOTAL VENDOR BAKER TILLY VIRCHOW KRAUSE				7,800.00
VENDOR NAME: BEAR GRAPHICS				
0840543	ABSENTEE ENVELOPES EL122	100-5144-531100	206.87	206.87 CLERK
0840544	ABSENTEE ENVELOPE EL120	100-5144-531200	176.87	176.87 CLERK
TOTAL VENDOR BEAR GRAPHICS				383.74
VENDOR NAME: BOUND TREE MEDICAL LLC				
83493885	EMS SUPPLIES	150-5231-531100	799.99	799.99 FIRE
83485979	EMS SUPPLIES	150-5231-531100	648.53	648.53 FIRE
83492246	EMS SUPPLIES	150-5231-531100	1,599.98	1,599.98 FIRE
TOTAL VENDOR BOUND TREE MEDICAL LLC				3,048.50
VENDOR NAME: BRAKE & EQUIPMENT				
548514	3487 REPAIR	150-5222-539500	71.78	71.78 FIRE
548575	3487 REPAIR	150-5222-539500	53.91	53.91 FIRE
TOTAL VENDOR BRAKE & EQUIPMENT				125.69
VENDOR NAME: BS&A				
127805	PERMIT APPLICATION SERVICE FEE	100-5241-521900	200.00	200.00 BUILDING
TOTAL VENDOR BS&A				200.00
VENDOR NAME: BUELOW, VETTER, BUIKEMA, OLSON				
2488-00017	2019 POLICE NEGOTIATIONS	100-5211-521900	2,094.50	2,094.50 FINANCE
2488-00099-02-2020	GENERAL VILLAGE MATTERS - LEGAL	100-5141-521900	411.50	7,218.50 FINANCE
		100-5300-521900	1,311.00	
		610-6920-692300	238.75	
		620-8400-852000	238.75	
		100-5111-521900	5,018.50	

02/13/2020 03:52 PM
User: mschneider
DB: Mukwonago

PENDING VILLAGE BOARD REVIEW FOR MUKWONAGO
EXP CHECK RUN DATES 02/20/2020 - 02/20/2020
UNJOURNALIZED OPEN
BANK CODE: GEN - CHECK TYPE: PAPER CHECK

Page: 3/11

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT	DEPARTMENT
VENDOR NAME: BUELOW, VETTER, BUIKEMA, OLSON					
TOTAL VENDOR BUELOW, VETTER, BUIKEMA, OLSON				9,313.00	
VENDOR NAME: BURKE TRUCK & EQUIPMENT INC					
26431	PLOW PARTS	100-5324-539500	1,799.88	1,799.88	DPW
TOTAL VENDOR BURKE TRUCK & EQUIPMENT INC				1,799.88	
VENDOR NAME: C & M AUTO PARTS INC					
6079-311857	SHOP SUPPLIES	100-5323-531100	5.02	5.02	DPW
TOTAL VENDOR C & M AUTO PARTS INC				5.02	
VENDOR NAME: CENTRAL OFFICE SYSTEMS					
66486168	COPIER LEASE	150-5221-531100	92.00	92.00	FIRE
TOTAL VENDOR CENTRAL OFFICE SYSTEMS				92.00	
VENDOR NAME: CENTRALOFFICE SYSTEMS					
IN212105	COPIER	150-5221-531100	27.30	27.30	FIRE
IN212257	COPIER	150-5221-531100	69.53	69.53	FIRE
IN216681	10/31/19 TO 1/30/20 QTRLY COPIES KONICA	100-5142-531200	77.42	553.01	ALLOCATE
		150-5221-531100	71.89		
		220-5140-531200	5.53		
		410-5363-531200	11.06		
		440-5511-531200	27.65		
		500-5344-531200	5.53		
		610-6920-693000	182.49		
		620-8400-856000	171.44		
TOTAL VENDOR CENTRALOFFICE SYSTEMS				649.84	
VENDOR NAME: CENTURYLINK					
301231498 JAN 2020	TDD LINE JANUARY INVOICE	100-5211-522500	53.11	53.11	POLICE
JANUARY 2020	JAN 2020 CENTURYLINK BILL	100-5142-522500	73.76	522.45	MULTIPLE
		100-5323-522500	93.03		
		100-5512-522500	113.78		
		440-5511-522500	112.17		
		610-6920-692100	31.91		
		620-8400-851000	97.80		
TOTAL VENDOR CENTURYLINK				575.56	
VENDOR NAME: CHENAULT CAMERON					
WC-156618-4	CHENAULT REIMBURSEMENT FOR D/O-PUMPER BO	150-5223-533500	99.58	99.58	FIRE
TOTAL VENDOR CHENAULT CAMERON				99.58	
VENDOR NAME: CINTAS					
4041516307	STAFF UNIFORMS	100-5323-531100	103.18	103.18	DPW
4041516324	UNIFORM SERVICE	610-6920-693000	43.50	87.00	UTILITIES
		620-8010-827000	43.50		

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VENDOR NAME: CINTAS					
4040893321	UNIFORM SERVICE	610-6920-693000	36.50	73.00	UTILITIES
		620-8010-827000	36.50		
4040893209	STAFF UNIFORMS	100-5323-531100	104.25	104.25	DPW
4042107291	UNIFORM SERVICE	610-6920-693000	36.50	73.00	UTILITIES
		620-8010-827000	36.50		
4042107249	STAFF UNIFORMS	100-5323-531100	98.18	98.18	DPW
TOTAL VENDOR CINTAS				538.61	
VENDOR NAME: CIT					
34861584	PHONE SERVICE	620-8400-851000	88.64	88.64	UTILITIES
TOTAL VENDOR CIT				88.64	
VENDOR NAME: COLUMBIA SOUTHERN UNIVERSITY					
PSY1010	OFFICER ZAJICHEK COLUMBIA SOUTHERN UNIVE	100-5212-516300	690.00	690.00	POLICE
TOTAL VENDOR COLUMBIA SOUTHERN UNIVERSITY				690.00	
VENDOR NAME: CONWAY SHIELD					
0443066-IN	INSTRUCTOR HELMET SHIELDS	150-5222-531100	372.35	372.35	FIRE
TOTAL VENDOR CONWAY SHIELD				372.35	
VENDOR NAME: EBIX					
10086	EBIX	150-5231-521900	5,600.85	5,600.85	FIRE
TOTAL VENDOR EBIX				5,600.85	
VENDOR NAME: EMERGENCY MEDICAL PRODUCTS					
2131121	EMS SUPPLIES	150-5231-531100	466.97	466.97	FIRE
TOTAL VENDOR EMERGENCY MEDICAL PRODUCTS				466.97	
VENDOR NAME: FASTENAL COMPANY					
WIMUK80875	WASTEWATER LAB UTILITY KNIFE	620-8010-826000	8.47	8.47	UTILITIES
TOTAL VENDOR FASTENAL COMPANY				8.47	
VENDOR NAME: GALLS LLC					
014721011	7 BAGS FOR ACTIVE SHOOTER SUPPLIES	430-5700-571100	194.10	194.10	POLICE
TOTAL VENDOR GALLS LLC				194.10	
VENDOR NAME: HAHN ACE HARDWARE					
2020 JAN - UTILITIES	ACCT 2192	610-6200-662500	1,100.00	2,650.12	UTILITIES
		620-8010-827000	1,307.77		
		620-8010-833000	242.35		

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		APPROVAL AMOUNT DEPARTMENT	
VENDOR NAME: HAHN ACE HARDEWARE					
2020 JANUARY - DPW	MISC SUPPLIES	100-5160-531100	3.59	192.26	DPW
		100-5323-539500	28.78		
		100-5324-539500	35.57		
		100-5323-531100	27.61		
		100-5347-531100	12.58		
		100-5611-531100	36.51		
		100-5521-531100	47.62		
2020 JAN PD	ITEM FOR PD THAT DPW NEEDED TO REPAIR	100-5211-539400	20.12	20.12	POLICE
2020 JAN FIRE	HAN ACE HARDWARE -FD	150-5222-539500	1.89	117.66	FIRE
		150-5222-531100	27.22		
		150-5221-531100	12.92		
		150-5221-531100	9.69		
		150-5222-531100	24.79		
		150-5222-531100	13.48		
		150-5222-531100	27.67		
TOTAL VENDOR HAHN ACE HARDEWARE				2,980.16	
VENDOR NAME: HAWKINS WATER TREATMENT					
4655076	CHEMICALS FOR WATER TREATMENT	610-6300-663100	1,385.11	1,385.11	UTILITIES
4649899	CHEMICALS FOR WATER TREATMENT	610-6300-663200	1,826.12	1,826.12	UTILITIES
TOTAL VENDOR HAWKINS WATER TREATMENT				3,211.23	
VENDOR NAME: HIPPENMEYER, REILLY, BLUM,					
49090	CHAPMAN VILLAS	100-0000-211425	30.00	30.00	FINANCE
49091	PHANTOM LAKES PRESERVE	100-0000-211425	440.50	440.50	FINANCE
49087	MISC MATTERS	100-5130-521900	2,725.00	2,725.00	FINANCE
49088	UTILITIES	610-6920-692300	17.50	455.00	FINANCE
		620-8400-852000	437.50		
49089	ORDINANCE/RESOLUTION	100-5130-521900	320.00	320.00	FINANCE
49092	PROSECUTION	100-5130-521900	1,132.50	1,132.50	FINANCE
TOTAL VENDOR HIPPENMEYER, REILLY, BLUM,				5,103.00	
VENDOR NAME: HORN OIL					
2020 JANUARY	MONTHLY FUEL	100-5212-535100	2,143.68	7,648.15	ALLOCATE
		100-5241-535100	97.02		
		100-5324-535100	3,083.66		
		150-5222-535100	260.65		
		150-5231-535100	1,531.89		
		610-6920-693300	201.34		
		620-8010-828000	284.41		
		620-8010-833000	45.50		
TOTAL VENDOR HORN OIL				7,648.15	
VENDOR NAME: HYDROCORP					
0056002-IN	COMMERCIAL CONTRACTED BACKFLOW PREVENTIO	610-6920-692300	833.00	833.00	UTILITIES

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VENDOR NAME: HYDROCORP			
	TOTAL VENDOR HYDROCORP		833.00
VENDOR NAME: ILLINGWORTH KILGUST			
930014497	MAKEUPAIR HANDLING UNIT REPAIR IN WWTF S 620-8010-833000	2,733.82	2,733.82 UTILITIES
	TOTAL VENDOR ILLINGWORTH KILGUST		2,733.82
VENDOR NAME: LANGE ENTERPRISES INC			
71747	STREET SIGN SUPPLIES	100-5348-531100 1,320.75	1,320.75 DPW
	TOTAL VENDOR LANGE ENTERPRISES INC		1,320.75
VENDOR NAME: LISA M SMITH			
TAX REFUND	TAX REFUND MUKV1976984021	720-0000-121100 310.64	310.64 FINANCE
	TOTAL VENDOR LISA M SMITH		310.64
VENDOR NAME: LYNCH CHEVROLET			
1GC3YLE7XLF203119	TRUCK # 3 TILTLE AND PLATES	100-5324-539500 169.50	169.50 DPW
	TOTAL VENDOR LYNCH CHEVROLET		169.50
VENDOR NAME: MACQUEEN EQUIPMENT			
W03055	SALT BRINE GENERATOR SERVICE	100-5347-531100 541.80	541.80 DPW
	TOTAL VENDOR MACQUEEN EQUIPMENT		541.80
VENDOR NAME: MAILFINANCE			
N8124419	11-2019 TO FEB 2020 LEASE PYMT	100-5142-531500 65.62	468.69 ALLOCATE
		150-5221-531100 60.93	
		220-5140-531500 4.69	
		410-5363-531500 9.37	
		440-5511-531500 23.43	
		500-5344-531500 4.69	
		610-6920-693000 154.67	
		620-8400-856000 145.29	
	TOTAL VENDOR MAILFINANCE		468.69
VENDOR NAME: MATTHEW VENTIMIGLIA			
TAX REFUND	TAX REFUND 153-#AP00067	720-0000-121100 180.85	180.85 FINANCE
	TOTAL VENDOR MATTHEW VENTIMIGLIA		180.85
VENDOR NAME: MCMAHON ASSOCIATES INC			
0400035	RW MANAGEMENT FD STUDY	150-5221-521900 7,560.00	7,560.00 FIRE
	TOTAL VENDOR MCMAHON ASSOCIATES INC		7,560.00
VENDOR NAME: NEOPOST			

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS		AMOUNT	APPROVAL DEPARTMENT
VENDOR NAME: NEOPOST					
15973072	INK CARTRIDGE - POSTAGE MACHINE	100-5153-531100	0.01	139.73	CLERK
		100-5241-531100	0.38		
		100-5323-531100	3.53		
		100-5211-531100	8.03		
		100-5120-531100	12.39		
		100-5632-531100	1.85		
		100-5247-531100	0.19		
		100-5144-531100	1.82		
		620-8400-851000	33.74		
		610-6920-690300	33.43		
		440-5511-531100	1.75		
		150-5231-531100	2.43		
		410-5363-531100	17.07		
		100-5142-531100	23.11		
TOTAL VENDOR NEOPOST				139.73	
VENDOR NAME: NORTH SHORE BANK FSB					
2020 E ZIMMERMAN	ED ZIMMERMAN RETIREMENT SICK LEAVE PAYOU	100-5300-515800	13,821.12	13,821.12	FINANCE
TOTAL VENDOR NORTH SHORE BANK FSB				13,821.12	
VENDOR NAME: OFFICE PRO					
0376280-001	FILE FOLDERS AND ENVELOPES	100-5142-531100	25.72	25.72	CLERK
TOTAL VENDOR OFFICE PRO				25.72	
VENDOR NAME: PARKING LOT MAINTENANCE, INC					
12-10123.300 PMT 2	2019 STREET REHAB CLOSE-OUT	480-5700-539900	4,219.44	4,219.44	FINANCE
12-10112.300 PMNT	2019 PAVEMENT REHAB CLOSE-OUT	480-5700-584000	3,566.69	8,870.03	FINANCE
		480-5700-584900	5,303.34		
TOTAL VENDOR PARKING LOT MAINTENANCE, INC				13,089.47	
VENDOR NAME: PIERCE AMANDA					
125227E3036301GE16	PIERCE REIMBURSEMENT FOR CF20 RETURN	150-5231-531500	21.77	21.77	FIRE
TOTAL VENDOR PIERCE AMANDA				21.77	
VENDOR NAME: PORT-A-JOHN, INC					
1309560-IN	PARK RESTROOMS	100-5521-531100	88.00	88.00	DPW
1309561-IN	PARK RESTROOMS	100-5521-531100	88.00	88.00	DPW
TOTAL VENDOR PORT-A-JOHN, INC				176.00	
VENDOR NAME: PRECISE ALIGNMENT INC					
18984	#5 FRONT END ALIGNMEENT	100-5324-539500	77.95	77.95	DPW
TOTAL VENDOR PRECISE ALIGNMENT INC				77.95	
VENDOR NAME: PRINT PACK & SHIP CENTER					
40585	SHIPPING AND POSTAGE	150-5231-531500	16.88	16.88	FIRE
TOTAL VENDOR PRINT PACK & SHIP CENTER				16.88	

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VENDOR NAME: PROFESSIONAL SERVICE INDUSTRIES INC					
00685841	DEBACK DRIVE GEOTECH TESTING	200-5335-521900	5,930.00	5,930.00	ADMIN
TOTAL VENDOR PROFESSIONAL SERVICE INDUSTRIES INC				5,930.00	
VENDOR NAME: PROHEALTH CARE LAB BILLING					
0400035	OAWI ARREST BLOOD DRAW	100-5212-521900	35.00	35.00	POLICE
TOTAL VENDOR PROHEALTH CARE LAB BILLING				35.00	
VENDOR NAME: PROHEALTH PHARMACY					
JAN 2020	EMS SUPPLIES	150-5231-531100	973.04	973.04	FIRE
TOTAL VENDOR PROHEALTH PHARMACY				973.04	
VENDOR NAME: PROVEN POWER INC					
02324002	BACK PACK BLOWER	100-5324-539500	399.96	399.96	DPW
TOTAL VENDOR PROVEN POWER INC				399.96	
VENDOR NAME: QUILL LLC					
4342839	COPY PAPER	100-5142-531100	15.12	107.97	CLERK
		150-5221-531100	14.04		
		220-5140-531100	1.08		
		410-5363-531100	2.16		
		440-5511-531100	5.40		
		500-5344-531100	1.08		
		610-6920-692100	35.63		
		620-8300-840000	33.46		
TOTAL VENDOR QUILL LLC				107.97	
VENDOR NAME: RAMS CONTRACTING, LTD					
1210068.310 PMNT 9	PHASE 2 CLOSEOUT	250-5700-576500	12,924.02	31,160.99	FINANCE
		250-5700-576300	2,707.85		
		250-5700-576200	3,747.41		
		250-5700-576100	4,181.68		
		250-0000-211150	7,600.03		
TOTAL VENDOR RAMS CONTRACTING, LTD				31,160.99	
VENDOR NAME: RUEKERT & MIELKE, INC.					
130859	12-10044.300 BOX SELF STORAGE / CONSTRUC	100-0000-211425	676.40	676.40	FINANCE
130860	12-10057.100 EDGEWOOD APARTMENTS / REVIE	100-0000-211425	306.85	306.85	FINANCE
130866	12-10094.300 STORAGE WERKS MINI STORAGE	100-0000-211425	227.10	227.10	FINANCE
130868	12-10110.100 KAY'S DANCE CENTER / DEVELO	100-0000-211425	302.50	302.50	FINANCE
130872	12-10120.100 PHANTOM LAKES PRESERVE / DE	100-0000-211425	181.50	181.50	FINANCE
130873	12-10120.300 PHANTOM LAKES PRESERVE / CO	100-0000-211425	194.75	194.75	FINANCE
130876	12-10127.100 210 MCDIVITT LANE EXPANSION	100-0000-211425	427.00	427.00	FINANCE
130880	12-92191.103 PRO HEALTH EXPANSION / 2018	100-0000-211425	181.50	181.50	FINANCE
130857	12-00000.100 General Services	100-5335-521900	3,343.59	3,343.59	FINANCE
130858	12-00000.400 Sewer Utility Services	620-8400-852000	6,910.21	6,910.21	FINANCE

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VENDOR NAME: RUEKERT & MIELKE, INC.			
130863	12-10063.210 2019 GIS Services - GIS Dat	610-6920-692300 209.50 620-8400-852000 209.50	419.00 FINANCE
130861	12-10063.211 NAD 27 - NAD 83 Conversion	610-6920-692300 1,000.00 620-8400-852000 1,000.00	2,000.00 FINANCE
130865	12-10081.300 Well 5 Iron Filter / Constr	610-0000-000109 5,220.66	5,220.66 FINANCE
130869	12-10112.200 Pavement Rehabilitation Pro	480-5700-539900 376.25	376.25 FINANCE
130870	12-10115.200 2019 Well & Well Pump Impro	610-6920-692300 650.25	650.25 FINANCE
130871	12-10015.300 2019 Well & Well Pump Impro	610-6920-692300 1,388.75	1,388.75 FINANCE
130877	12-10128.200 River Park Estates Rehabili	480-5700-586100 9,860.00	9,860.00 FINANCE
130878	12-92041.485 2019 SCADA Service Work	610-6920-692300 552.66	552.66 FINANCE
130879	12-92041.486 2020 SCADA Service Work	610-6920-692300 708.13 620-8400-852000 708.13	1,416.26 FINANCE
TOTAL VENDOR RUEKERT & MIELKE, INC.			34,635.23
VENDOR NAME: RUTENBECK, TIM			
RLEST-197-600	COURSE REIMBURSEMENT	100-5241-533500 470.50	470.50 BUILDING
TOTAL VENDOR RUTENBECK, TIM			470.50
VENDOR NAME: RYAN M HOLSCHBACH			
TAX REFUND	TAX REFUND MUKV1968077	720-0000-121100 85.56	85.56 FINANCE
TOTAL VENDOR RYAN M HOLSCHBACH			85.56
VENDOR NAME: S & W HEALTHCARE CORPORATION			
253088	EMS SUPPLIES	150-5231-531100 121.74	121.74 FIRE
TOTAL VENDOR S & W HEALTHCARE CORPORATION			121.74
VENDOR NAME: SCAN GROUP			
200534	LEE WEGNER BUSSINES CARDS	100-5323-531100 62.00	62.00 DPW
200468	RON BITTNER BUSUNESS CARDS	100-5323-531100 62.00	62.00 DPW
TOTAL VENDOR SCAN GROUP			124.00
VENDOR NAME: SHI INTERNATIONAL CORP			
B11254258	1 TOUGHBOOK COMPUTER FOR SQUAD	430-5700-571100 2,155.83 100-5212-539500 2,155.83	4,311.66 POLICE
TOTAL VENDOR SHI INTERNATIONAL CORP			4,311.66
VENDOR NAME: SHRED-IT USA			
B129052418	JANUARY SHREDDING SERVICE	100-5211-521900 65.25	65.25 POLICE
TOTAL VENDOR SHRED-IT USA			65.25
VENDOR NAME: SOMAR ENTERPRISES			
101830	OFFICER PETTED UNIFORM ALLOWANCE	100-5213-534600 133.93	133.93 POLICE
TOTAL VENDOR SOMAR ENTERPRISES			133.93

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VENDOR NAME: STAAB CONSTRUCTION CORP					
12-10081.200	PMNT WELL #5 REHAB	610-0000-000109	126,802.57	126,802.57	FINANCE
TOTAL VENDOR STAAB CONSTRUCTION CORP				126,802.57	
VENDOR NAME: STRYKER SALES CORP					
2919277M	EMS SUPPLIES	150-5231-531100	781.82	781.82	FIRE
TOTAL VENDOR STRYKER SALES CORP				781.82	
VENDOR NAME: TERMINAL ANDRAE INC.					
48099	BLOWER MOTOR REBUILD	620-8010-833000	2,410.00	2,410.00	UTILITIES
TOTAL VENDOR TERMINAL ANDRAE INC.				2,410.00	
VENDOR NAME: TKK ELECTRONICS					
140360	3488 TOUGHBOOK CF20	150-5700-571400	3,314.00	3,314.00	FIRE
TOTAL VENDOR TKK ELECTRONICS				3,314.00	
VENDOR NAME: TRACTOR SUPPLY CREDIT PLAN					
2020 JAN	MISC SUPPLIES	620-8010-827000	64.93	64.93	UTILITIES
2020 JAN DPW	SIGN BOLTS	100-5348-531100	22.23	22.23	DPW
TOTAL VENDOR TRACTOR SUPPLY CREDIT PLAN				87.16	
VENDOR NAME: ULINE					
116470861	EMS SUPPLIES	150-5231-531100	31.22	31.22	FIRE
TOTAL VENDOR ULINE				31.22	
VENDOR NAME: UNEMPLOYMENT INSURANCE					
000009937095	INTEREST ASSESSED ON LATE PAYMENT	100-5141-539900	8.33	8.33	FINANCE
TOTAL VENDOR UNEMPLOYMENT INSURANCE				8.33	
VENDOR NAME: UNIFI EQUIPMENT FINANCE, INC.					
551651	MONTHLY LEASE OF COPY MACHINE	100-5211-521900	83.33	83.33	POLICE
TOTAL VENDOR UNIFI EQUIPMENT FINANCE, INC.				83.33	
VENDOR NAME: W C T C					
S0708637	LT DEMOTTO IN-SERVICE & OFFICE KREISER T	100-5211-531200	159.00	159.00	POLICE
S0708636	FIRE AND EMS TRAINING	150-5232-533500	122.88	320.27	FIRE
		150-5223-533500	197.39		
TOTAL VENDOR W C T C				479.27	
VENDOR NAME: WALWORTH CTY SECURITY ALARMS LLC					
13440	DPW FIRE PANEL MONITORING	100-5323-521900	420.00	420.00	DPW
TOTAL VENDOR WALWORTH CTY SECURITY ALARMS LLC				420.00	
VENDOR NAME: WAUKESHA COUNTY CENTER FOR					
1056	CENTER FOR GROWTH MEMBERSHIP	100-5670-521900	6,108.56	6,108.56	ADMIN
TOTAL VENDOR WAUKESHA COUNTY CENTER FOR				6,108.56	
VENDOR NAME: WAUKESHA COUNTY CLERK					
VMUKWONAGO2019	WAUKESHA CO DOG LIC SETTLEMENT	100-0000-243300	1,888.25	1,888.25	CLERK

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VENDOR NAME: WAUKESHA COUNTY CLERK				
TOTAL VENDOR WAUKESHA COUNTY CLERK				1,888.25
VENDOR NAME: WAUKESHA COUNTY FIRE CHIEFS				
429	WCFA 2020 MEMBERSHIP DUES	150-5221-532400	200.00	200.00 FIRE
TOTAL VENDOR WAUKESHA COUNTY FIRE CHIEFS				200.00
VENDOR NAME: WCEDA				
2020 DUES WEIDL	WCEDA MEMBERSHIP RENEWAL	100-5670-521900	500.00	500.00 ADMIN
TOTAL VENDOR WCEDA				500.00
VENDOR NAME: WENDELL SCHULTZ				
TAX REFUND	TAX REFUND 153-#VM 00005	720-0000-121100	17.80	17.80 FINANCE
TOTAL VENDOR WENDELL SCHULTZ				17.80
VENDOR NAME: WI DEPT OF JUSTICE CIB				
202001 L6812T	BACKGROUND CHECKS	100-0000-242205	56.00	112.00 POLICE
		100-5211-521900	56.00	
202001 G3385 BACKGROUND CHECKS				
				10.00 FIRE
TOTAL VENDOR WI DEPT OF JUSTICE CIB				122.00
VENDOR NAME: WI RURAL WATER ASSOCIATION				
3904	CONFINED SPACE TRAINING	620-8400-854100	55.44	55.44 UTILITIES
TOTAL VENDOR WI RURAL WATER ASSOCIATION				55.44
VENDOR NAME: WI STATE LAB OF HYGIENE				
624778	DRINKING WATER TESTING	610-6300-663200	26.00	26.00 UTILITIES
TOTAL VENDOR WI STATE LAB OF HYGIENE				26.00
VENDOR NAME: WISCONSIN IMAGING SOLUTIONS LLC				
AR41196	MONTHLY COPY MACHINE USAGE (4662 B&W, 27 100-5211-521900		65.59	65.59 POLICE
TOTAL VENDOR WISCONSIN IMAGING SOLUTIONS LLC				65.59
VENDOR NAME: WISCONSIN SUPREME COURT				
67-0153	CONTINUING JUDICIAL EDUCATION	100-5120-533500	700.00	700.00 POLICE
TOTAL VENDOR WISCONSIN SUPREME COURT				700.00
VENDOR NAME: ZORN COMPRESSOR & EQUIPMENT				
310980-00	DIGESTER COMPRESSOR REPAIR	620-8010-833000	573.27	573.27 UTILITIES
TOTAL VENDOR ZORN COMPRESSOR & EQUIPMENT				573.27
GRAND TOTAL:			393,155.45	

DeBack Drive Infrastructure Improvements Cost Breakdown

	<u>Amount</u>	<u>Notes</u>
Base Bid	\$2,836,068.65	This is the cost to construct DeBack Drive and extend utilities to Maple Centre.
Base Bid Engineering, Contract Admin, and Contingencies (8% of construction)	\$226,885.00	
Base Bid Construction and Engineering	\$3,062,953.65	
Mandatory Alternate	\$1,394,847.95	This is the cost to partially fill the pond along Wolf Run with material from the 32 acre site in TID 5 and create a 1.5 Acre parcel.
Efficiency Due to Shared Base and Mandatory Bid Items	-\$241,725.76	Mandatory Alternate bid items would replace those in the Base Bid (Items MA-10 and MA-11 replace Items 11 and 12 respectively)
Cost of Mandatory Alternate Less Shared Bid Items	\$1,153,122.19	This is the realized cost of the Mandatory Alternate when it is combined with the Base Bid.
Mandatory Alternate Engineering, Contract Admin, and Contingencies	\$26,538.00	Part time inspection for grading at TID 5 site and at pond fill site along Wolf Run, shared inspection with Base Bid work
Mandatory Alternate Construction and Engineering	\$1,179,660.19	
Cost to Grade and Place Material from 32 Acre Site in TID 5	-\$405,491.03	This is a cost that TID 5 could pay for. It involves leveling the site and preparing it for a developer/building. (Items MA-8 and MA-9)
Cost of Mandatory Alternate Less Grading Paid by TID 5	\$774,169.16	
Potential Sale of the 1.5 Acre Site Created in Pond along Wolf Run	XXXXXX	Unknown at this time
Cost of Mandatory Alternate Less Sale of 1.5 Acre Parcel	\$774,169.16	This amount would be reduced by the amount that the Village received for the sale of the parcel
Overall Construction and Engineering Cost of Base Bid + Mandatory Alternate	\$3,837,122.81	



Village of Mukwonago

Office of the Finance Director

Diana Doherty (ddoherty@villageofmukwonago.com)
440 River Crest Court, Mukwonago, Wisconsin 53149
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Direct Line: (262) 368-3118
Main Office: (262) 363-6420
Fax: (262) 363-6425

Deback Drive Mandatory Alternate Proposal

As requested by the Village Board at the February 5, 2020 COW, I prepared the following analysis for the Deback Drive Mandatory Alternate Proposal to determine the payback period using various assumptions.

Scenario Assumptions:

- Project Cost including Engineering & Contingencies Less TID 5 Grading "contribution" and less the shared bid items that could be eliminated if both projects occurred: \$774,169
- Estimated Value of Land if it is sold: \$400,000
- Total Debt Service if Land is sold for \$400,000: \$519,973
- Total Debt Service Cost For Project if Land is not sold: \$1,079,804
- Developed Value estimates provided by Village Administrator range from \$1.6 Million to \$3 Million so scenarios where modeled on those high and low scenarios.
- If Development occurs in 2021 with a recorded value on 1/1/2022, the first tax bill would be collected in 2023. Increment would be generated to benefit TID #3 in 2023 thru 2027; after that the Village would recognize just the Village's portion of tax revenue. Significant delays in development that decrease the number of years we could realize an increment, would increase the overall number of years to recover the costs from what is presented below.

Developed Value Assumptions:	# years to recover costs once revenues start to generate	Increment Benefit to TID #3 if Increment starts in 2023 and ends in 2027	Average Annual Tax Increment in TID 3	Average Annual Tax Revenue after TID closes
\$3 Million Development with Land Purchase	18	\$241,806	\$48,361	\$22,603
\$3 Million Development without Land Purchase	41			
\$1.6 Million Development with Land Purchase	37	\$128,963	\$25,793	\$12,347
\$1.6 Million Development without Land Purchase	78			

RESOLUTION 2020-004

**RESOLUTION APPROVING MINOR SITE PLAN AMENDMENT TO INCORPORATE
PROPANE TANK AND PAD AT 240 MAPLE AVE; MUKV 2016-993-002**

WHEREAS, pursuant to Section 100-156 of the Zoning Code, an application for a site plan amendment to incorporate a propane tank and pad with an application filed in the office of the Village Clerk, Village of Mukwonago, Wisconsin, and

WHEREAS, the application has been submitted by DNC Greenwald ProHealth Care Facility; Waukesha Memorial Hospital Inc. Owner/Applicant, and

WHEREAS, the plans have been reviewed and recommended for approval by the Village Plan Commission.

NOW, THEREFORE, BE IT RESOLVED by the Village Board of the Village of Mukwonago, Wisconsin hereby approves the minor site plan amendment to incorporate a propane tank and pad, based upon the plans submitted to the Village.

NOW, THEREFORE, BE IT FURTHER RESOLVED this site plan approval shall be subject to the following conditions:

1. Prior to the start of any site construction or issuance of a building permit, whichever occurs first, the following shall occur:
 - a. Approval of landscaping plan by Village Planner addressing concerns over providing landscaping and plantings sufficient enough to satisfy Code Section 100-156.j.5.c (B-5 zoning standards)
 - b. Approval of building plans by the Building Inspector addressing a need for installation of bollards and/or fencing, deemed sufficient enough by the Building Inspector to prevent a vehicle from crashing into the above ground tank, after receipt of approval of building plans by the State of Wisconsin
 - c. The Village Engineer, the Utilities Director and the Public Works Director shall approve all updated and revised site engineering and utility plans and documents, including a complete Erosion Control Plan, and Stormwater Management Plan. Items specified in the letter from the Village Engineer dated February 11, 2020 shall be satisfied with the consent of the Village Engineer prior to permit issuance.

NOW, THEREFORE, BE IT FURTHER RESOLVED The approval is contingent upon the applicant obtaining all other permits or approvals required by State Statutes, Administrative Code provisions or ordinances of governmental bodies with jurisdiction.

NOW, THEREFORE, BE IT FURTHER RESOLVED the applicant, upon the approval of this site plan amendment shall agree to accept the same in writing.

Passed and dated this ____ day of _____ 2020.

VILLAGE OF MUKWONAGO

By: _____
Fred Winchowky, Village President

Attest: _____
Diana Dykstra, Village Clerk

February 4, 2020

Fred Winchowky, Plan Commission Chair,
Plan Commissioners

Re: Pro Health Site Plan Amendment to Incorporate Propane Tank Pad and above ground horizontal propane tank on East Side of Facility; MUKV2016993002

Dear President Winchowky and Members of the Village Plan Commission:

Proposal

The plans detail the construction of a 70'x16' stone pad on which a 66-ft long, 9-ft diameter above-ground propane storage tank will be placed. The plans also detail an area adjacent to the tank in which a central utility plant will be constructed in the future. This feature is proposed along the periphery of the facility, and as such, is a Site Plan Amendment which is a substantial change to the originally approved site plan for the facility.

Zoning Review

Zoning review considered Section 100-156 (B-5 zoning standards).

Following full staff review, including the Fire Department, there were a few minor concerns, which can be addressed as conditions, should the Plan Commission agree to do so. The proposed conditions are:

1. It is recommended to place landscaping plantings in a manner to effectively "soften" the view of the proposed tank. The Code States: "In addition to the required plantings in areas with the highest potential of public view, the landscaping shall be distributed throughout the site with emphasis on screening of unsightly site elements, such as refuse enclosures, utility boxes, building mechanical equipment and service doors and loading docks."
2. There is a concern over the site fence not being extended to road surface along east side. Please show this or explain why this is not required.
3. There is a public safety concern over a need for bollards and/or fencing around the propane tank so as to prevent a vehicle from running into the tank. Please select an option and show on the site plan for review.

Stormwater Management: The proposed stormwater management plan is satisfactory, following a review completed by the Village Engineer. The Engineer noted there is no Wisconsin DNR regulations pertaining to the above ground storage of propane in proximity to the storm water detention feature on site.

Lighting: Applicant has supplied light fixture proposal which are capable of meeting all requirements pertaining to shielding from adjacent property owners and onto the Village streets. Staff finds the fixtures acceptable.

Landscaping:

There is a need to supply more detailed landscaping provision, as noted above. Staff will ask for a revised landscaping plan and the Village Planner shall review and finalize, prior to permit issuance.

Recommendation for Site Plan Amendment

Staff is recommending approval with the conditions listed below. The site plan conforms to setbacks and is recommended approval with the following conditions:

1. Prior to the start of any site construction or issuance of a building permit, whichever occurs first, the following shall occur:
 - a. Approval of landscaping plan by Village Planner addressing concerns over providing landscaping and plantings sufficient enough to satisfy Code Section 100-156.j.5.c.(B-5 zoning standards).
 - b. Approval of building plans by the Building Inspector addressing a need for installation of bollards and/or fencing, deemed sufficient enough by the Building Inspector to prevent a vehicle from crashing into the above ground tank, after receipt of approval of building plans by the State of Wisconsin.
 - c. The Village Engineer, the Utilities Director and the Public Works Director shall approve all updated and revised site engineering and utility plans and documents, including a complete Erosion Control Plan, and Stormwater Management Plan. Items specified in the letter from the Village Engineer dated January 21, 2020 shall be satisfied with the consent of the Village Engineer prior to permit issuance.

- X X X X X X X – SAWCUT PAVEMENT
- – REMOVE ASPHALT PAVEMENT
- – REMOVE CONCRETE SIDEWALK
- X – REMOVE TREE
- –STONE CONSTRUCTION ENTRANCE
- –SILT FENCE (1 C900)
- –INLET PROTECTION (3 C900)
- –EXISTING CONTOUR (842)
- –PROPOSED CONTOUR (838)
- –TREE PROTECTION

1. THE BASE SURVEY WAS PREPARED BY GRAEF IN OCTOBER 2013. UNDERGROUND UTILITIES AND STRUCTURES HAVE SHOWN TO A REASONABLE DEGREE OF ACCURACY BASED ON SURVEY DATA AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
2. REFER TO SHEET C000 FOR BENCHMARKS, DATUM AND TOPOGRAPHIC ELEMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

1. DISTURBED AREAS OF SITE SHALL BE STABILIZED AS DIRECTED ON THE SITE LAYOUT AND FINAL LANDSCAPE DRAWINGS. EROSION MATTING AND RIPRAP SHALL BE PLACED AS NOTED TO PROTECT EXPOSED SOILS. EROSION MATTING SHALL BE 3:1 OR GREATER SHALL ALSO RECEIVE EROSION NOTING.
2. SLOPED AREAS WITH SLOPES OF 5:1 OR GREATER BUT FLATTER THAN 3:1 SHALL RECEIVE TEMPORARY STRAW BLANKET MATTING AT TIME OF FINAL STABILIZATION AND SEEDING.
3. SEEDED AND PLANTED AREAS SHALL RECEIVE AMENDED TOPSOIL TO DEPTHS AS SCHEDULED IN SECTION 32.01.9 LANDSCAPE GRADING. CONFIRM ALL AREAS AND RESTORATION DETAILS WITH FINAL LANDSCAPE DRAWINGS.
4. ALL DISTURBED AREAS OUTSIDE OF PROPOSED PLANTING BEDS AND NOT BEING RESTORED WITH A PAVED SURFACE SHALL BE REVEGETATED WITH PLANTING SPECIFICATIONS IN ACCORDANCE WITH LANDSCAPE PLAN AND PLANTING SPECIFICATIONS.

1. CONSTRUCTION SITE EROSION CONTROL AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE VILLAGE OF MUKWAGONO, AND SHALL EMPLOY EROSION CONTROL MEASURES AS SHOWN AND SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS.
2. ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF INSTALLATION PRIOR TO ANY GRADING OR DISTURBANCE OF THE EXISTING SURFACE MATERIAL ON SITE.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE, BUT NO LESS THAN 0.1 INCHES. IF ANY EROSION OR SEDIMENT CONTROL MEASURES ARE FOUND TO BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED, CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND REMOVAL ALL SEDIMENT WHEN LEAVING THE PROPERTY. EROSION CONTROL MEASURES MUST BE IN WORKING CONDITION AT THE END OF EACH WORKDAY.
4. FILTER FABRIC SHALL BE INSTALLED BENEATH INLET COVERS TO TRAP SEDIMENT AS PER INLET PROTECTION DETAIL IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS.
5. EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.
6. PERIODIC STREET SWEEPING SHALL BE COMPLETED TO MAINTAIN THE ADJACENT PAVEMENT FREE OF DUST AND DIRT.
7. CONSTRUCTION SEQUENCE FOR EROSION CONTROL INCLUDES:
 - A. INSTALL SILT FENCE FOR PROTECTION, TEMPORARY DIVERSION DITCH AND STONE CONSTRUCTION ENTRANCE IN THE LOCATIONS INDICATED ON THIS PLAN. EXISTING POND TO BE USED AS SEDIMENT BASIN DURING CONSTRUCTION. SILT FENCE INSTALLATION SHALL BE BASED ON WEATHER AND GROUND CONDITIONS. SHOULD SILT FENCE INSTALLATION NOT BE FEASIBLE, CONTRACTOR SHALL INSTALL WATER DIVERTER IN ACCORDANCE WITH DETAIL 11/09000.
 - B. APPLY EROSION CONTROL TECHNIQUES AS SPECIFIED AND REQUIRED BY LOCAL INSPECTORS.
 - C. APPLY SEDIMENT CONTROL POLYMER TO SEDIMENT BASIN ABOVE IN INSURANCE WITH WDNR TECHNICAL STANDARD 10.5.
 - D. REMOVE TREES AND SHRUBS, UTILITIES, AND OTHER ABOVE GROUND OBSTRUCTIONS NOTED FOR REMOVAL.
 - E. PERFORM ROUGH GRADING.
 - F. CONSTRUCT BUILDING.
 - G. INSTALL PAVEMENT AND LANDSCAPING.
 - H. REMOVE ACCUMULATED SEDIMENT FROM SEDIMENT BASIN.
8. STABILIZE ANY DISTURBED AREAS WITH SEEDING AND MULCHING.
9. REMOVE EROSION CONTROL DEVICES ONCE THE SITE WORK IS COMPLETE AND SITE IS CONSIDERED STABILIZED BY THE VILLAGE OF MUKWAGONO.
10. SETA DRAINAGE, WATER PUMPED FROM THE SITE SHALL BE TREATED BY SEDIMENT BASIN OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICES (BMP) SPECIFIED BY THE WDNR SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS. WATER SHALL NOT BE DISCHARGED TO ANY WATER BODY THAT CAUSES EROSION OF THE SITE, ADJACENT SITES, OR RECEIVING CHANNELS.
9. WASTE AND MATERIAL DISPOSAL. ALL WASTE AND UNUSED BUILDING MATERIALS

(INCLUDING BUT NOT LIMITED TO GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.

SEDIMENT CLEANUP: ALL CARRY-OUT SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM OR SHIP WRECK SHALL BE REMOVED BY THE END OF THE NEXT WORK DAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM OR SHIP WRECK SHALL BE CLEANED UP BY THE END OF THAT WORK DAY.

ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN OR MORE DAYS SHALL BE STABILIZED BY TEMPORARY SEEDING, TEMPORARY OR PERMANENT SEEDING AND MULCHING, VEGETATIVE COVER, TARP OR OTHER EQUIVALENT BMP.

IF SOIL OR DIRT STORAGE PILES REMAIN FOR MORE THAN 14 DAYS, PILES SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPS OR OTHER EQUIVALENT BMP.

3. NOTIFY THE VILLAGE OF MUKWAGONAH WITHIN TWO WORKING DAYS OF COMMENCING ANY LAND DEVELOPMENT OR LAND DISTURBING ACTIVITY.

4. NOTIFY THE VILLAGE OF MUKWAGONAH OF THE COMPLETION OF ANY BMP WITHIN THE NEXT WORKING DAY AFTER INSTALLATION.

5. OBTAIN PERMISSION IN WRITING FROM THE VILLAGE OF MUKWAGONAH PRIOR TO MODIFYING THE EROSION CONTROL PLAN.

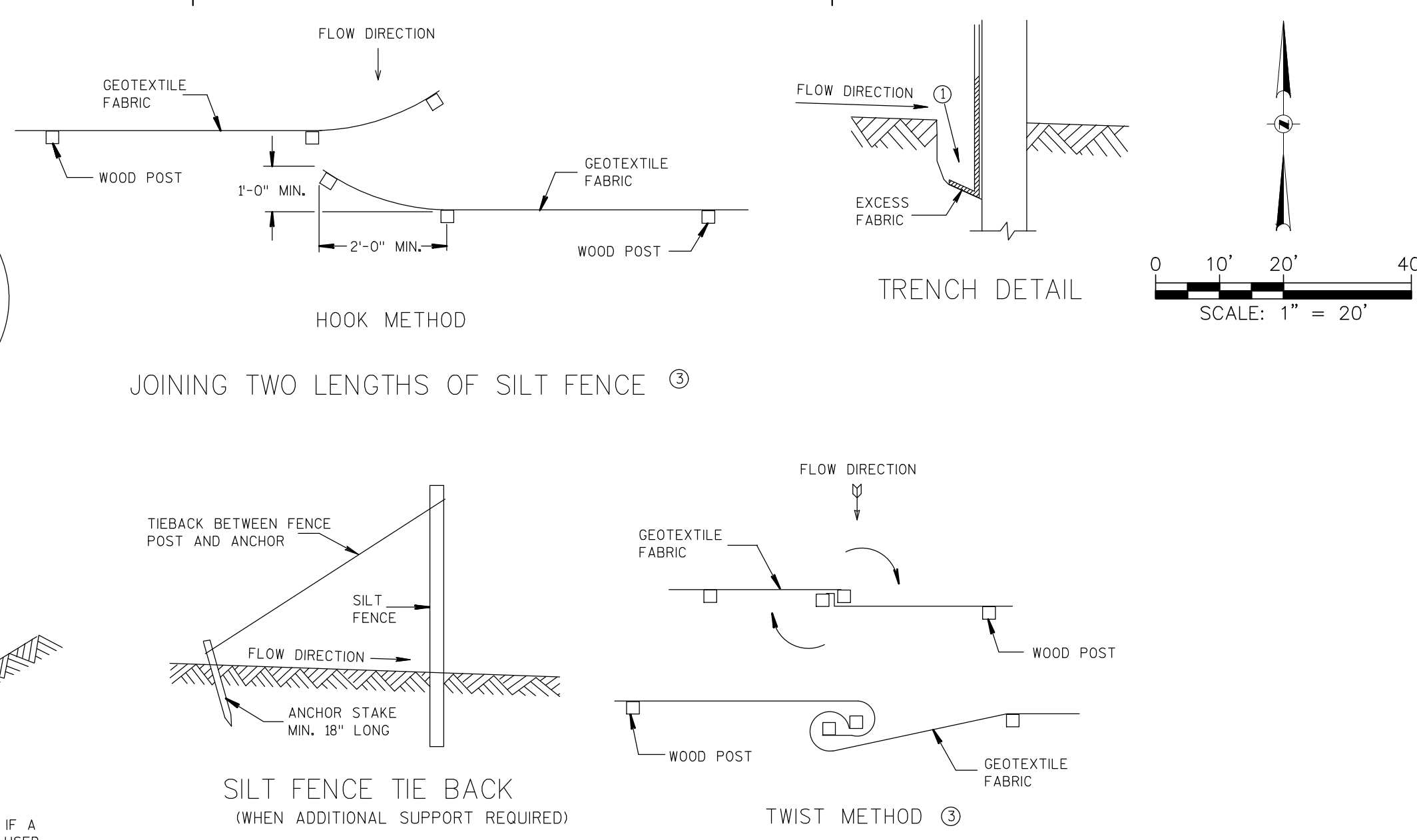
6. MAINTAIN A RECORD OF THE EROSION CONTROL PLAN.

7. KEEP ANY SILTATION OR EROSION DAMAGE TO ADJOINING SPACES RESULTING FROM LAND DEVELOPMENT OR LAND DISTURBING ACTIVITY.

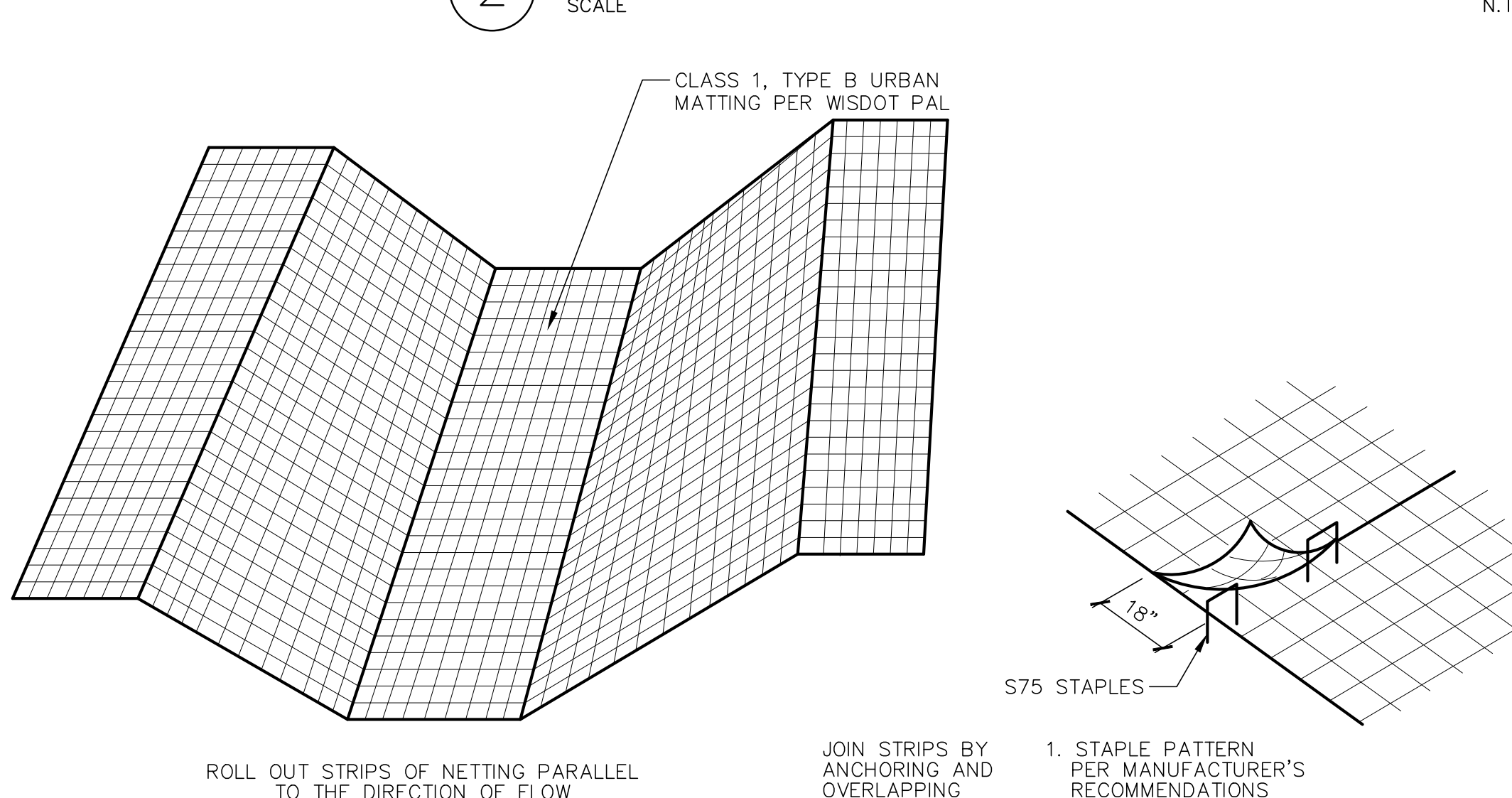
8. PREPARE A COPY OF THE EROSION CONTROL PLAN ON SITE.

9. CONTRACTOR SHALL ADD SEDIMENT CONTROL POLYMERS TO THE PROPOSED SEDIMENT BASIN ITEM 7/C, IN ACCORDANCE WITH WYOMING TECHNICAL STANDARD 1001.

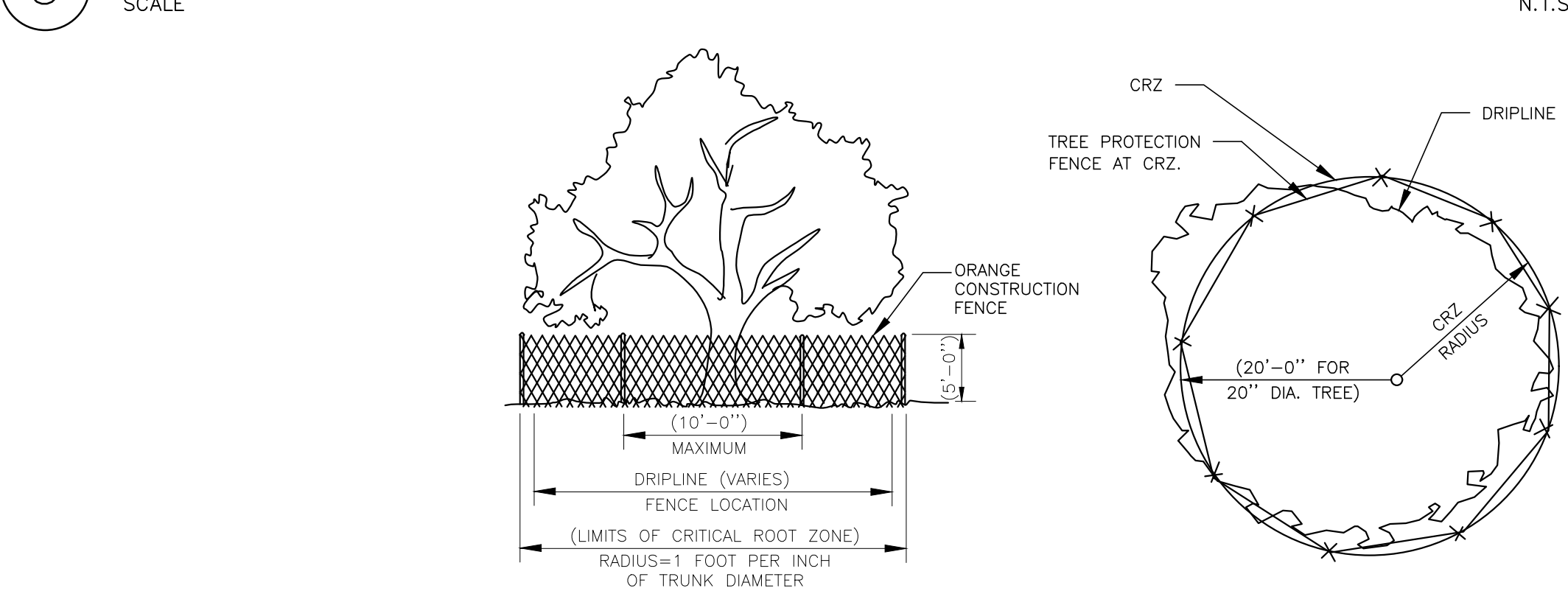
SCALE



(2) —



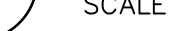
3) CONCLUSIONS



TREE PROTECTION FENCE – ORANGE CONSTRUCTION FENCE

1. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.
2. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING)
3. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN CRITICAL ROOT ZONE (CRZ), WHICHEVER IS GREATER, AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT.
4. FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DIPLINE) OR CRITICAL ROOT ZONE (CRZ), WHICHEVER IS GREATER, AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT.
5. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 2 DAYS, AN ORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.
6. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DIPLINES, A CLEAN CUT SHALL BE MADE WITH A ROCK SAW OR SIMILAR EQUIPMENT, TO MINIMIZE DAMAGE TO REMAINING ROOTS.
7. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DIPLINE OR CRZ OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.
8. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION.

5015



milwaukee	333 East Chicago Street Milwaukee, Wisconsin 53202 414.271.5350
madison	309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 608.442.5350
des moines	699 Walnut Street, Suite 400 Des Moines, Iowa 50309 515.724.5840
denver	1899 Wynkoop Street, Suite 300 Denver, Colorado 80202 303.595.4500

One Honey Creek Corporate Center
125 South 84th Street, Suite 401
Milwaukee, WI 53214-1469
414 / 259 1500
414 / 259 0037 fax

www.graef-usa.com

PROJECT INFORMATION

PHC - MUKWONAGO
EXPANSION

240 Maple Avenue
Mukwonago, WI 53149



ISSUANCE AND REVISIONS

DATE	DESCRIPTION
12/20/2018	BID PACKAGE 2: CORE AND SHELL
02/08/2019	CONSTRUCTION BULLETIN 02 (BID NO. 1)
01/13/2020	VILLAGE SITE PLAN

SHEET INFORMATION

PROJECT MANAGER SJF

PROJECT NUMBER 2018-0215.00

DEMOLITION AND EROSION CONTROL PLAN

C100

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NOTICE:
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

DISCLAIMER:
The underground utilities shown have been located from field survey information and existing drawings. GRAEF makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. GRAEF further does not warrant that the underground utilities shown are in the exact location indicated. GRAEF has not physically located the underground utilities.



eppstein uhen : architects

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GRaEF

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PROJECT INFORMATION

**PHC - MUKWONAGO
EXPANSION**

240 Maple Avenue
Mukwonago, WI 53149



ISSUANCE AND REVISIONS

DATE	DESCRIPTION
12/20/2018	BID PACKAGE 2: CORE AND SHELL
02/08/2019	CONSTRUCTION BULLETIN 02 (BP1)
01/13/2020	VILLAGE SITE PLAN

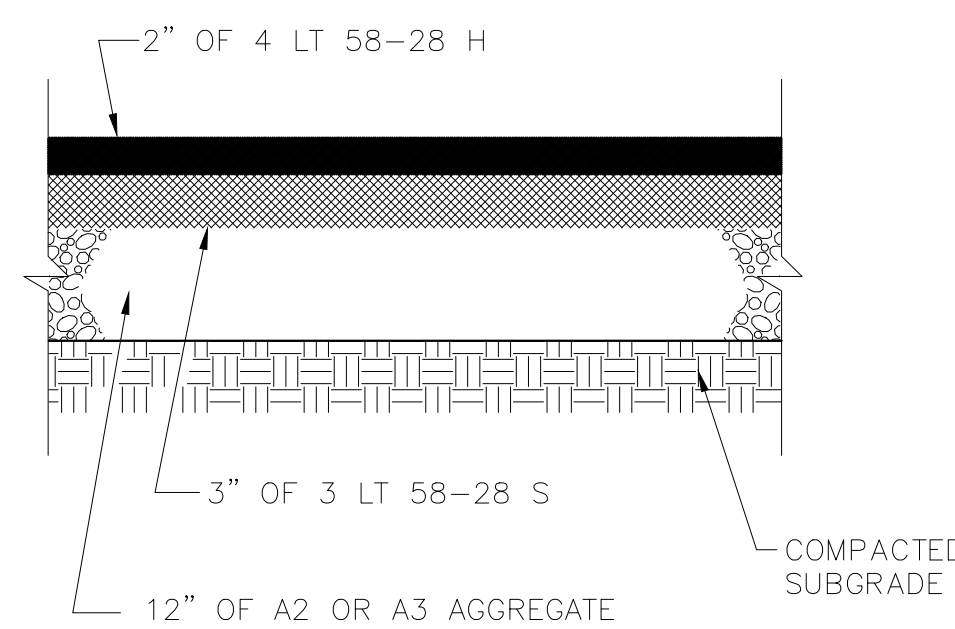
SHEET INFORMATION

PROJECT MANAGER SJF
PROJECT NUMBER 2018-0215.00

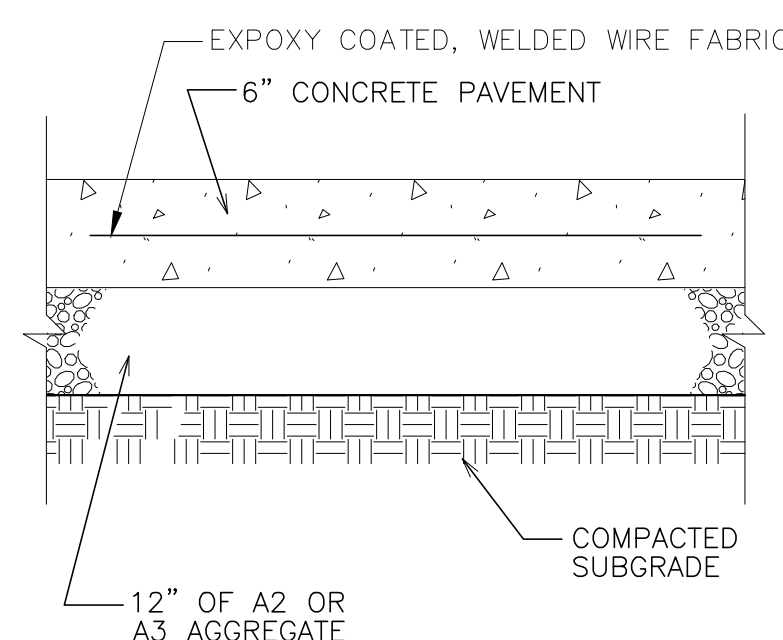
LAYOUT PLAN

C300

© Eppstein Uhen Architects, Inc.



1 HEAVY DUTY ASPHALT PAVEMENT
SCALE N.T.S.



2 CONCRETE PAVEMENT
SCALE N.T.S.

LEGEND

- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT

GENERAL NOTES

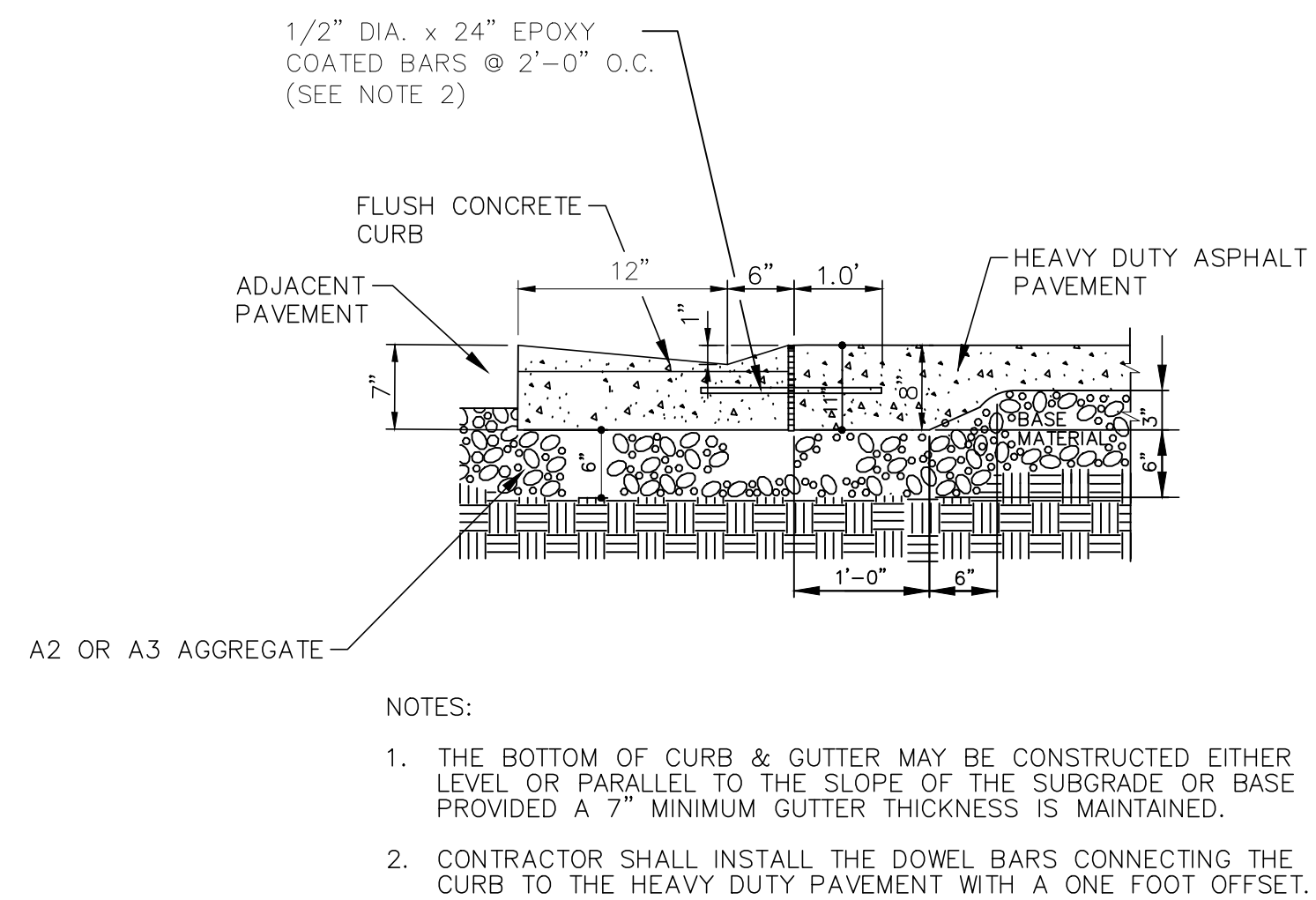
1. THE BASE SURVEY WAS PREPARED BY GRAEF IN OCTOBER 2013. UNDERGROUND UTILITIES AND STRUCTURES HAVE SHOWN TO A REASONABLE DEGREE OF ACCURACY BASED ON SURVEY DATA AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
2. REFER TO SHEET C000 FOR BENCHMARKS, DATUM AND TOPOGRAPHIC ELEMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

LAYOUT NOTES

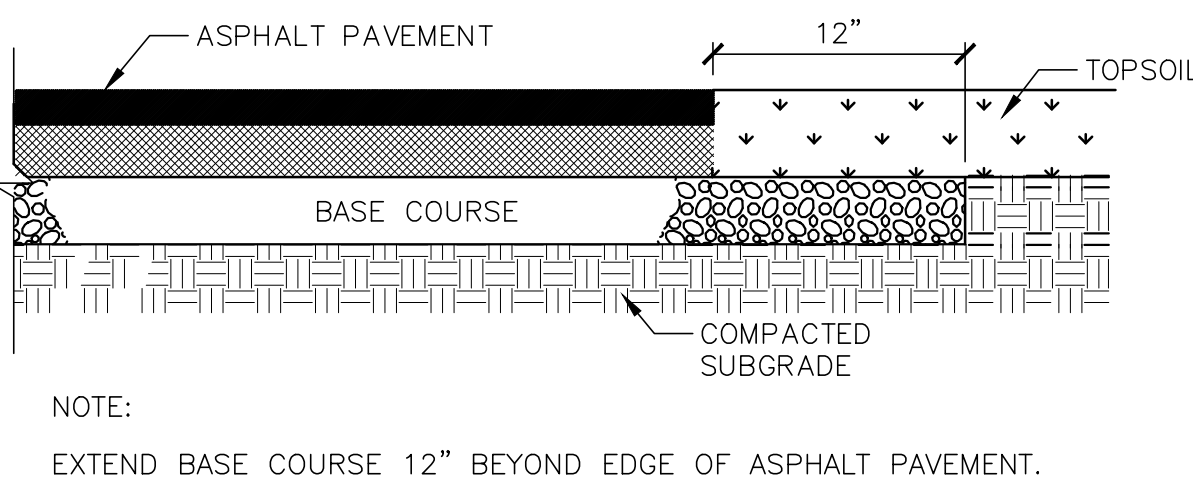
1. THE BUILDING OUTLINE SHOWN IS FOR REFERENCE PURPOSES ONLY AND SHALL NOT BE USED FOR STAKING PURPOSES. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND STRUCTURAL ENGINEER ON THE STAKING OF THE BUILDING.
2. ROADWAYS AND PARKING LOTS SHALL BE CONSTRUCTED OF BITUMINOUS ASPHALT PAVEMENT WITH CRUSHED AGGREGATE BASE MATERIAL.
3. STONE PAD UNDER TANK SHALL BE 6"-8" OF 1"-2" CLEAR STONE ON A FABRIC WEED BARRIER.

SETBACK REQUIREMENTS

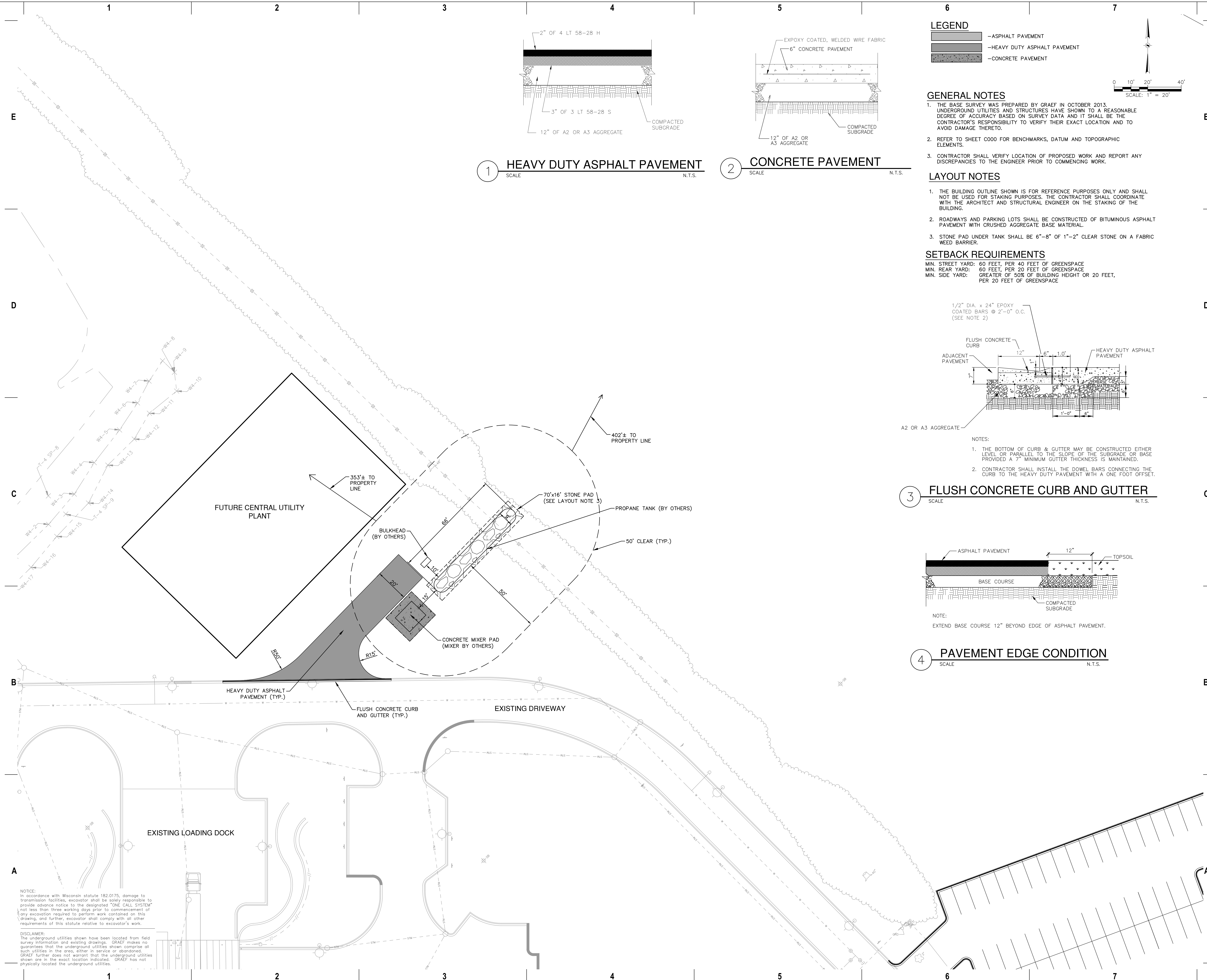
MIN. STREET YARD: 60 FEET, PER 40 FEET OF GREENSPACE
MIN. REAR YARD: 60 FEET, PER 20 FEET OF GREENSPACE
MIN. SIDE YARD: GREATER OF 50% OF BUILDING HEIGHT OR 20 FEET, PER 20 FEET OF GREENSPACE



3 FLUSH CONCRETE CURB AND GUTTER
SCALE N.T.S.



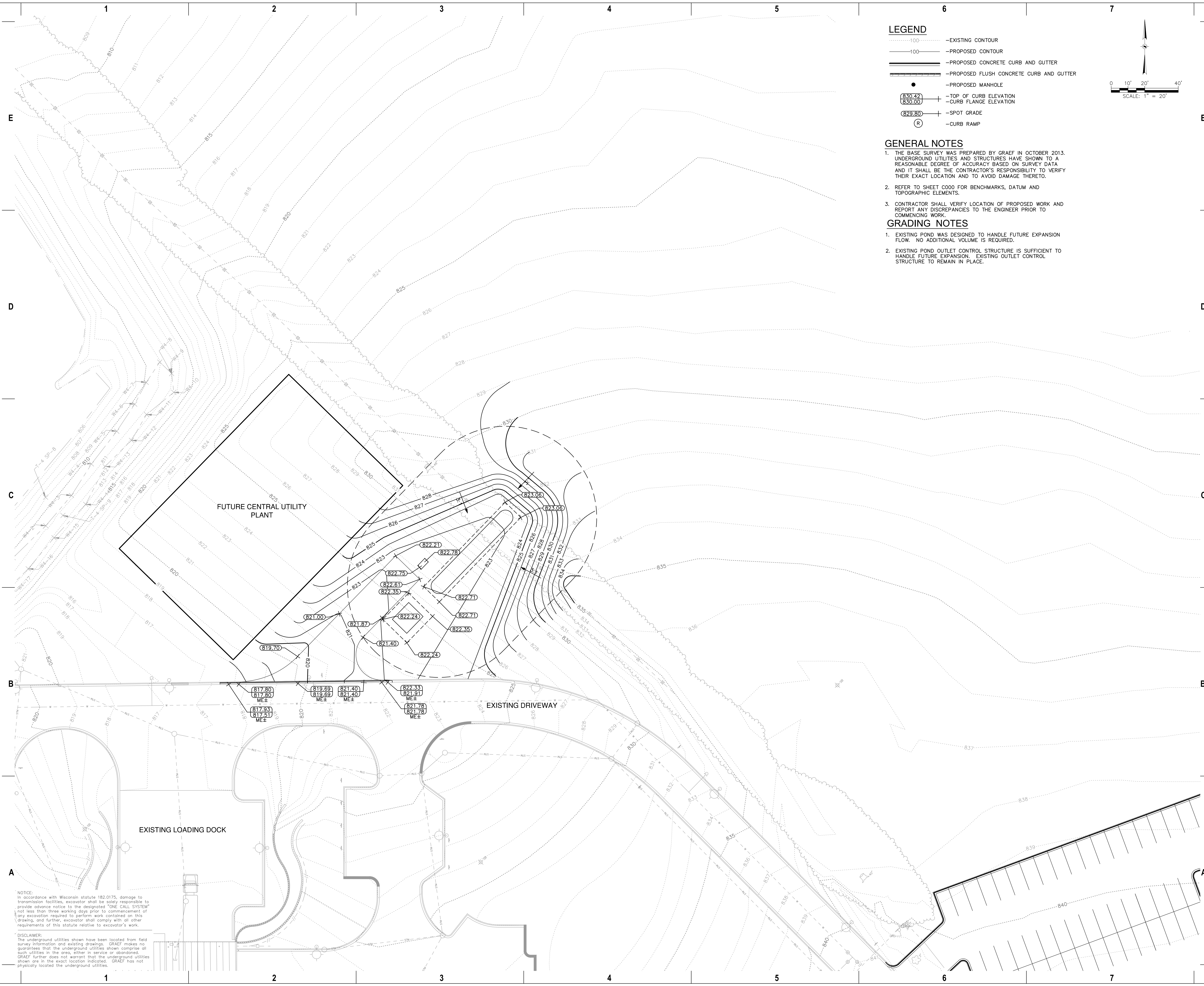
4 PAVEMENT EDGE CONDITION
SCALE N.T.S.



NOTICE:
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

DISCLAIMER:
The underground utilities shown have been located from field survey information and existing drawings. GRAEF makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. GRAEF further does not warrant that the underground utilities shown are in the exact location indicated. GRAEF has not physically located the underground utilities.

X:\ML\2018\20180215\CAD\Std\dwg\00Propane Tank Drawings\C_00_C400_Grading_215
1/13/2020 10:50 AM

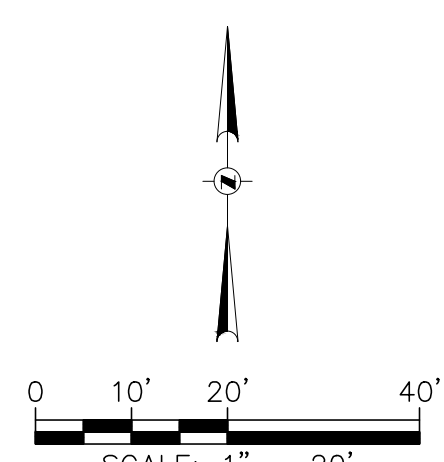


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LEGEND

- 100----- -EXISTING CONTOUR
- 100----- -PROPOSED CONTOUR
- ===== -PROPOSED CONCRETE CURB AND GUTTER
- ===== -PROPOSED FLUSH CONCRETE CURB AND GUTTER
- -PROPOSED MANHOLE
- (830.42)
(830.00) + -TOP OF CURB ELEVATION
-CURB FLANGE ELEVATION
- (829.80) + -SPOT GRADE
- (R) -CURB RAMP



- GENERAL NOTES**
1. THE BASE SURVEY WAS PREPARED BY GRAEF IN OCTOBER 2013. UNDERGROUND UTILITIES AND STRUCTURES HAVE SHOWN TO A REASONABLE DEGREE OF ACCURACY BASED ON SURVEY DATA AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
 2. REFER TO SHEET C000 FOR BENCHMARKS, DATUM AND TOPOGRAPHIC ELEMENTS.
 3. CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.
- GRADING NOTES**
1. EXISTING POND WAS DESIGNED TO HANDLE FUTURE EXPANSION FLOW. NO ADDITIONAL VOLUME IS REQUIRED.
 2. EXISTING POND OUTLET CONTROL STRUCTURE IS SUFFICIENT TO HANDLE FUTURE EXPANSION. EXISTING OUTLET CONTROL STRUCTURE TO REMAIN IN PLACE.

euta

eppstein uhen : architects

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Milwaukee, Wisconsin 53202
414.271.5350

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Madison, Wisconsin 53703
608.442.5350

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Des Moines, Iowa 50309
515.274.5840

denver 1899 Wyrkoop Street, Suite 300
Denver, Colorado 80202
303.595.4500

GRaEF

One Honey Creek Corporate Center
125 South 84th Street, Suite 401
Milwaukee, WI 53214-1469
414 / 259 1500
414 / 259 0037 fax

www.graef-usa.com

PROJECT INFORMATION

**PHC - MUKWONAGO
EXPANSION**

240 Maple Avenue
Mukwonago, WI 53149

ProHEALTH CARE

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
12/20/2018	BID PACKAGE 2: CORE AND SHELL
02/08/2019	CONSTRUCTION BULLETIN 02 (BP1)
01/13/2020	VILLAGE SITE PLAN

SHEET INFORMATION

PROJECT MANAGER SJF

PROJECT NUMBER 2018-0215.00

GRADING PLAN

C400

© Eppstein Uhen Architects, Inc.



Village of Mukwonago GIS

Pro Health Aerial

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SCALE: 1" = 200'

VILLAGE OF ASSETALLY

123 Fake Street

PO Box 206

AssetAlly, WI 53149

262-555-5555

Print Date: 2/4/2020

RESOLUTION 2020-03

CONDITIONAL USE PERMIT

TO APPROVE A SITE PLAN AND ARCHITECTURAL REVIEW AS A CONDITIONAL USE FOR PLANNED UNIT OVERLAY DISTRICT (PUD) FOR BIRCHROCK PROPERTIES, LLC; 210 MCDIVITT LN; PARCEL MUKV 2012-215-002; BIRCHROCK PROPERTIES, LLC; APPLICANT

WHEREAS, pursuant to Section 100-53 of the Zoning Code, an application for a Conditional Use Permit has been filed to approve a site plan and architectural review as a conditional use for planned unit overlay district (PUD) for property located at 210 McDivitt Ln; Parcel MUKV 2012-215-002; Birchrock Properties, LLC; Applicant, and

WHEREAS, the existing parking surface area being removed, and a new parking lot being situated along the southern portion of the property. The new single story structure is being positioned to the East of the existing structure and being connected with a walkway. There is also a proposed new walkway at the terminus and north end of the existing structure, to connect the hallways with a corridor; and

WHEREAS, applicant submitted application and plans to take existing parking surface area being removed, and a new parking lot being situated along the southern portion of the property. The new single story structure is being positioned to the East of the existing structure and being connected with a walkway. There is also a proposed new walkway at the terminus and north end of the existing structure, to connect the hallways with a corridor; and

WHEREAS, Section 100-53 allows modifications to certain standards of the Zoning Code and other Municipal Code requirements as a Planned Unit Development Overlay approved as a Conditional Use; and

WHEREAS, Section 100-53 requires with submittal of a request for modifications as a Planned Unit Development that a General Development Plan be approved prior to submittal of final and detailed development construction plans; and

WHEREAS, after proper notice pursuant to the Village of Mukwonago Zoning Code, a public hearing was noticed in the official newspaper as a Class II notice, and with notice being mailed at least ten (10) days prior to the date of such public hearing to the owners of record of the properties situated within 250 feet of the boundaries of the properties affected, a public hearing was conducted by the Village Plan Commission on December 10, 2019; and

WHEREAS, the Board of Building and Zoning Appeals, on January 30, 2020, approved the following:

- a. Variance of 18.2 feet to allow a proposed pervious concrete drive to be 1.8 feet from the mapped wetland.
- b. Variance of 17.5 feet to allow a proposed concrete pad to house a dumpster enclosure to be 2.5 feet from the mapped wetland.
- c. Variance of 6.7 feet to allow a proposed building addition to be 13.3 feet from the mapped wetland, instead of the required 20-foot setback from a mapped and delineated wetland, pursuant to Section 100-283(f)(1)a. of the Village of Mukwonago Municipal Code.

WHEREAS, the request for site plan and architectural review as a conditional use for planned unit overlay district (PUD) or property located at 210 McDivitt Ln; Parcel MUKV 2012-215-002; Birchrock Properties, LLC as submitted has been reviewed and recommended by the Village Plan Commission on February 11, 2020.

NOW, THEREFORE, BE IT RESOLVED by the Village Board of the Village of Mukwonago, Wisconsin hereby approves the Conditional Use Permit to approve a site plan and architectural review as a conditional use for planned unit overlay district (PUD) or property located at 210 McDivitt Ln; Parcel MUKV 2012-215-002; Birchrock Properties, LLC; Applicant, subject to the following conditions:

1. Entry gable ends will be accented with brick or brick veneer matching the existing building.
2. For the R-10 Zoning standards, the rear yard building setback shall be permitted to be amended from the required 40 feet to the shown 24.4 feet, on the provided plan set from the applicant and on file with the Zoning Administrator at Village Hall
3. For the Parking Lot standards, the setback of the edge of parking surface area shall be permitted to be amended from the required 20 feet to the shown 15 feet with landscaping between the surface and the roadway, as shown on the provided plan set from the applicant and on file with the Zoning Administrator at Village Hall.
4. For the impervious coverage standards, the total amount of impervious coverage shall be permitted to be amended from the required 40% to the proposed percentage of 52%, as calculated and shown on the plans submitted by the applicants dated December 12, 2019 to accommodate the desire for parking on the site.
5. Site Plan and Architectural Review approval for the new single story 20 unit RCAC structure and associated parking lot, building additions, storm water pond, shall be subject to all plans and information submitted for the application by the applicant, Castle Senior Living, and dated February 6, 2020, with all plans and information on file in the office of the Zoning Administrator. The plans may be further modified to conform to other conditions of approval; the building and floor plans may be modified with the approval of the Zoning Administrator and Supervisor of Inspections to conform to the Building and Fire Safety Codes and all plans may be further modified to conform to Village design standards. However, the basic layout and design of the site shall remain unchanged.
6. Approval shall be valid for one (1) year from date of approval by the Village Board and will be unique to the applicant and this proposal only.
7. Prior to the start of any site construction or issuance of a building permit, whichever occurs first, the following shall occur:
 - a. All final site development plans shall be consistent with the plans noted in Condition No 5 and all calculations verified or as modified.
 - b. Approval of the site construction and building plans by the Fire Chief, which may include, but are not limited to, Knox box and notification requirements, internal fire suppression, external fire department connection location and hydrant locations.
 - c. Approval of building plans by the Building Inspector after receipt of approval of building plans by the State of Wisconsin.
 - d. The Village Engineer, the Utilities Director and the Public Works Director shall approve all updated revised site engineering and utility plans and documents, including a complete Erosion Control Plan, and Stormwater Management Plan. Items specified in the letter from the Village Engineer dated January 6, 2020 shall be satisfied with the consent of the Village Engineer prior to permit issuance.
 - e. The issuance of this permit is contingent upon the approval of a storm water management plan and storm water maintenance agreement by the Village Board.
 - f. Approval of building plans shall include appropriate locations of the external mechanical equipment (if applicable) to be placed hidden from view from neighboring properties, as approved by the Zoning Administrator.

- g. Approval of dumpster construction plan specification showing block construction and shielded metal gates to ensure the Zoning standards are met, as approved by the Zoning Administrator.
- h. A pre-construction meeting shall occur with Village Staff to ensure all applicable items mentioned above have been remedied.
- 8. Prior to temporary occupancy issuance, and if needed prior to final occupancy permit, the following shall occur:
 - a. Completion of all site grading in accordance with submitted and approved plans.
 - b. Completion of the storm water management basin for the overall development.
 - c. Completion of the building and additions in accordance with approved plans and all applicable codes.
 - d. Completion of paving of driveways and parking lots, including parking signage, space pavement markings and all other pavement markings.
- 9. Prior to final occupancy permit, which shall be issued no later than 120 days after any temporary occupancy permit, the following shall occur:
 - a. Completion of all items required in Condition No 7.
 - b. Installation of all Zoning Administrator approved site landscaping as shown on approved plans.

NOW, THEREFORE, BE IT RESOLVED subject to the following:

- 1. This permit shall become effective upon the execution and recording by the owners and operators of the Premises of an acceptance hereof in such form as to constitute an effective covenant that shall run with the land subject to the provisions contained herein. Said permit shall be recorded with the Register of Deeds.
- 2. This permit shall be void unless, pursuant to the building and Zoning Codes of the Village, the approved use is commenced or the building permit is obtained within twelve (12) months of the date of Planning Commission approval noted above.
- 3. This grant is subject to amendment and termination in accordance with the provisions of the Zoning Code of the Village
- 4. Construction and operation of the use granted shall be in strict conformity to the approved site, building, and operations plans filed in connection with the Petition for this permit, and exhibited hereto.
- 5. Any of the conditions of this permit which would normally be the responsibility of tenants of the premises shall be made a part of their lease by the Owner, which lease shall contain provisions for posting of the pertinent conditions to notify employees thereof.
- 6. This grant shall automatically be null and void if this use is discontinued for a period of twelve (12) months.
- 7. Failure to allow reasonable and routine inspections of the property constitutes grounds for revocation of the Conditional Use permit.
- 8. Upon recording of this grant, any/all other use approvals related to this property including for instance but not necessarily limited to, conditional uses. Uses by right, concept plans, and similar, shall immediately and permanently become null and void.

Passed and dated this ____ day of _____ 2020.

VILLAGE OF MUKWONAGO

By: _____
Fred Winchowky, Village President

Attest: _____
Diana A Dykstra, Village Clerk

February 13, 2020

Fred Winchowky, Village President,
Village Board

Re: Birchrock Retirement Home Planned Unit Development Amendment as Conditional Use and associated
Site Plan and Architectural Review
210 McDivitt Lane; MUKV2012215002

Dear President Winchowky and Trustees of the Village Board:

This item was before the Plan Commission at the December 17, 2020, Plan Commission meeting and the Plan Commission decided to continue the public hearing to the February 11, 2020 Plan Commission meeting so the issue of the proposed structure addition, dumpster enclosure and parking surface area proposed to be within 20 feet of the wetland setback could be heard by the Board of Zoning Appeals (BZA) at the January 30, 2020 meeting. During the January 30, 2020 meeting, the BZA approved the setback requests to the distances shown on the December 12, 2019 Plan Set. A subsequent revised plan set was delivered on February 7 in electronic form to Village Hall and shared and reviewed by Village Staff. This plan set reflects changes requested by Staff on the December 12 plans. The review and comments below are based on the plan set delivered on February 7 to Village Staff for review, and was not submitted in time for formal review by the Plan Commission on February 11.

The exact layout of the structure, the footprint, setbacks, and parking lot surface area and lighting will not change. What may change are the below ground details through Public Services, regarding water/sewer connections and anything else that may come up during final review of plan set dated February 6, 2020. The Plan Commission reviewed the plan set dated December 12, 2019 and recommended approval with the conditions included in the resolution of approval. These conditions have been modified to reflect the February 6, 2020 plan set. On February 13, the Village Attorney has suggested language included and reflected in the proposed resolution of approval, in the form of conditions.

Kristofer Kiefer, of Castle Senior Living, has applied for a Planned Unit Development (PUD) Amendment as a Conditional Use and associated Site Plan and Architectural Review to place a single story 20 unit Community Based Residence Facility (CBRF) addition onto the existing 20 unit residential care facility designed to house those which require an assisted living environment. The proposed location is to the East of the existing structure and existing parking lot. The structure is designed to be connected via a walkway to the existing structure, which would meet Fire Department and Building Code standards.

The property is 2.3 acres in size. The site is zoned R-10, Multiple Family Residence District, with current Planned Unit Development (PUD) Overlay. This district allows applicants to propose some minor modifications with respect to the bulk requirements of zoning standards, including, but not limited to yard setbacks, lot coverage, etc. through a PUD amendment process and application. However, the PUD standards do not permit for deviation from Wetland setback standards.

Proposal

This item was considered at the September 10 Plan Commission meeting as a Concept Review process and the item was recommended to be approved.

The site plan, being presented by the applicant, shows the existing parking surface area being removed, and a new parking lot being situated along the southern portion of the property. The new single story structure is being positioned to the East of the existing structure and being connected with a walkway. There is also a proposed new walkway at the terminus and north end of the existing structure, to connect the hallways with a corridor. The property is to be serviced via available water main and sanitary sewer service from the South, in McDivitt Lane. There is also a proposed pervious driveway to provide for fire truck pulling in and capability to be serviced from the East, along with a dumpster enclosure proposed immediately adjacent to said driveway.

Architectural Review

The Zoning standards for R-10 call for brick or other hardy construction materials. Following discussion at the Plan Commission meeting on February 11, the applicant was directed to match in the addition proposed, the placement, color and materials of the existing structure. This is reflected in the conditions of approval in the proposed resolution.

Zoning Review

Zoning review considered Sections 100-110, R-10 standards; 100-601, Site Plan; 100-402, Parking Lot Requirements; 100-53, Planned Unit Development Requirements; and other applicable Code sections.

Wetland Setback: Staff reviewed the proposed connector on the existing structure, on the West side of the development. This proposed new corridor encroaches within the Village required 20 foot setback requirement of a delineated wetland, as well as the proposed pervious paving surface and dumpster enclosure along the northeast side of the property. Per Village Ordinance, all new structures and/or additions within this area are to be considered by the Village Board of Zoning Appeals. The BZA heard the case during the January 30, 2020 meeting and approved the requests for setback variances. Therefore, the matter is considered completed and staff is recommending approval of setbacks with relation to the wetlands.

Trees: Per Section 34, a tree removal policy must be observed for site clearing and the Village calls out a need to retain up to 60 percent of all trees identified as at least 8 inches in diameter. Staff has reviewed the February 6, 2020 plans and have determined all trees required to meet this criteria have been met.

Impervious Coverage: The amount of area covered by this request, inclusive of additional proposed paving and additional roof area brings the impervious area to the proposed 41,790 s.f., as stated on the plans, which is 41% of the site. However, this number includes the wetlands area and Staff has requested the applicant demonstrate that this number takes into account the Village required inclusion of wetland areas of a rate of 50%. The applicant is requesting the impervious coverage be allowed to be increased to the proposed 51% of the coverage, to provide for the necessary parking lot and building footprints for the facility. The Code permits the request may be called out as a PUD amendment and the applicant is seeking from the Plan Commission an allowance up to 51% of the site to be impervious, to accommodate the parking requirements and proposed building footprint. This is reflected in item number four (4.) below.

Stormwater Management: The proposed stormwater management plan is satisfactory, pending final comments documents requested by the Village Engineer in a letter dated January 6, 2020 and resubmitted for final review

and approval. These comments are minor and as of the writing of this staff summary, should be easily corrected by the applicant's engineer prior to any Village permit issuance and possibly prior to the February 11, 2020 Plan Commission meeting. The site is able to meet the Village's Ordinance, and Should the Planning Commission and Village Board choose to approve the documents, staff recommends that approvals be made subject to addressing items from the Village Engineer comment letter Dated January 6, 2020. Staff understands the applicants were waiting on the final decision of the Board of Appeals determination on January 30, prior to making any corrections.

Lighting: Applicant has supplied light fixture proposal which are capable of meeting all requirements pertaining to shielding from adjacent property owners and onto the Village streets. Staff finds the fixtures acceptable.

Landscaping: The resulting 27 parking stalls requires 15 s.f. per stall, or 405 s.f. of landscaping to be proposed within the parking surface area. There is 180 s.f. plus an additional 550 s.f. of landscaping proposed between the structure and the parking surface area. Pursuant to the guidelines in section 100-402(f)6., the proposed landscaping is acceptable.

Parking Lot: Staff finds the proposed parking is compliant with standards requiring one space for every three beds plus one space for each employee. There are 40 beds and 27 spaces provided. This equates to 14 spaces required for the occupants and 11 spaces for employees. Staff finds the stalls provided meet the code requirements. Staff also has confirmed the applicant has provided for a cross hatch area by the front entrance that would permit for a three point turn for a typical Village ambulance response call. There is a pervious paving along the northern edge of the property, in the form of an additional curb cut, which shall provide for a fire truck to pull in to provide for full response to the sides of the structures. This area is recommended by staff to be snow plowed in the winter months and manicured to the point of being usable year round.

The proposed new dumpster enclosure will need to meet Zoning design standards, which shall include utilizing block walls as this would match the proposed building façade (Village Code requirement). The current plans show a dumpster fenced in area, but lacks any detail. Staff will require this to be submitted and approved prior to building permit issuance.

There is a need to supply more detailed utility and stormwater and erosion control plans, to be reviewed and approved by the Village Engineer and Utilities offices prior to start of construction.

Recommendation for PUD Amendment as Conditional Use and Associated Site Plan and Architectural Review

Staff is recommending approval with the conditions listed below. The site plan conforms to R-10 setbacks and parking requirements with the following specified modifications to the R-10 zoning district and parking lot setback standards:

1. For the R-10 Zoning standards, the rear yard building setback shall be permitted to be amended from the required 40 feet to the shown 24.4 feet, on the provided plan set from the applicant and on file with the Zoning Administrator at Village Hall.
2. For the Parking Lot standards, the setback of the edge of parking surface area shall be permitted to be amended from the required 20 feet to the shown 15 feet with landscaping between the surface and the roadway, as shown on the provided plan set from the applicant and on file with the Zoning Administrator at Village Hall.
3. For the impervious coverage standards, the total amount of impervious coverage shall be permitted to be amended from the required 40% to the proposed percentage of 51%, as calculated and shown on the

plans submitted by the applicants dated December 12, 2019 to accommodate the desire for parking on the site.

4. Site Plan and Architectural Review approval for the new single story 20 unit RCAC structure and associated parking lot, building additions, storm water pond, shall be subject to all plans and information submitted for the application by the applicant, Castle Senior Living, and dated December 12, 2019, with all plans and information on file in the office of the Zoning Administrator. The plans may be further modified to conform to other conditions of approval; the building and floor plans may be modified with the approval of the Zoning Administrator and Supervisor of Inspections to conform to Building and Fire Safety Codes and all plans may be further modified to conform to Village design standards. However, the basic layout and design of the site shall remain unchanged.
5. Approval shall be valid for one (1) year from date of approval by the Village Board and will be unique to the applicant and this proposal only.
6. Prior to the start of any site construction or issuance of a building permit, whichever occurs first, the following shall occur:
 - a. All final site development plans shall be consistent with the plans noted in Condition No. 5 and all calculations verified or as modified.
 - b. Approval of the site construction and building plans by the Fire Chief, which may include, but are not limited to, Knox box and notification requirements, internal fire suppression, external fire department connection location and hydrant locations.
 - c. Approval of building plans by the Building Inspector after receipt of approval of building plans by the State of Wisconsin.
 - d. The Village Engineer, the Utilities Director and the Public Works Director shall approve all updated and revised site engineering and utility plans and documents, including a complete Erosion Control Plan, and Stormwater Management Plan. Items specified in the letter from the Village Engineer dated February 12, 2020 shall be satisfied with the consent of the Village Engineer prior to permit issuance.
 - e. The Village Board shall approve a Stormwater Maintenance Agreement.
 - f. Approval of building plans shall include appropriate locations of the external mechanical equipment (if applicable) to be placed hidden from view from neighboring properties, as approved by the Zoning Administrator.
 - g. Approval of dumpster construction plan specifications showing block construction and shielded metal gates to ensure the Zoning standards are met, as approved by the Zoning Administrator.
 - h. A pre-construction meeting shall occur with Village Staff to ensure all applicable items mentioned above have been remedied.
7. Prior to temporary occupancy issuance, and if needed prior to final occupancy permit, the following shall occur:
 - a. Completion of all site grading in accordance with submitted and approved plans.
 - b. Completion of the storm water management basin for the overall development.
 - c. Completion of the building and additions in accordance with approved plans and all applicable codes.
 - d. Completion of paving of driveways and parking lots, including parking signage, space pavement markings and all other pavement markings.
8. Prior to final occupancy permit, which shall be issued no later than 120 days after any temporary occupancy permit, the following shall occur:
 - a. Completion of all items required in Condition No. 7.

- b. Installation of all Zoning Administrator approved site landscaping as shown on approved plans.



Village of Mukwonago GIS

210 McDivitt Ln Aerial

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" = 167'

VILLAGE OF MUKWONAGO

440 River Crest Court

PO Box 206

Mukwonago, WI 53149

262-363-6420

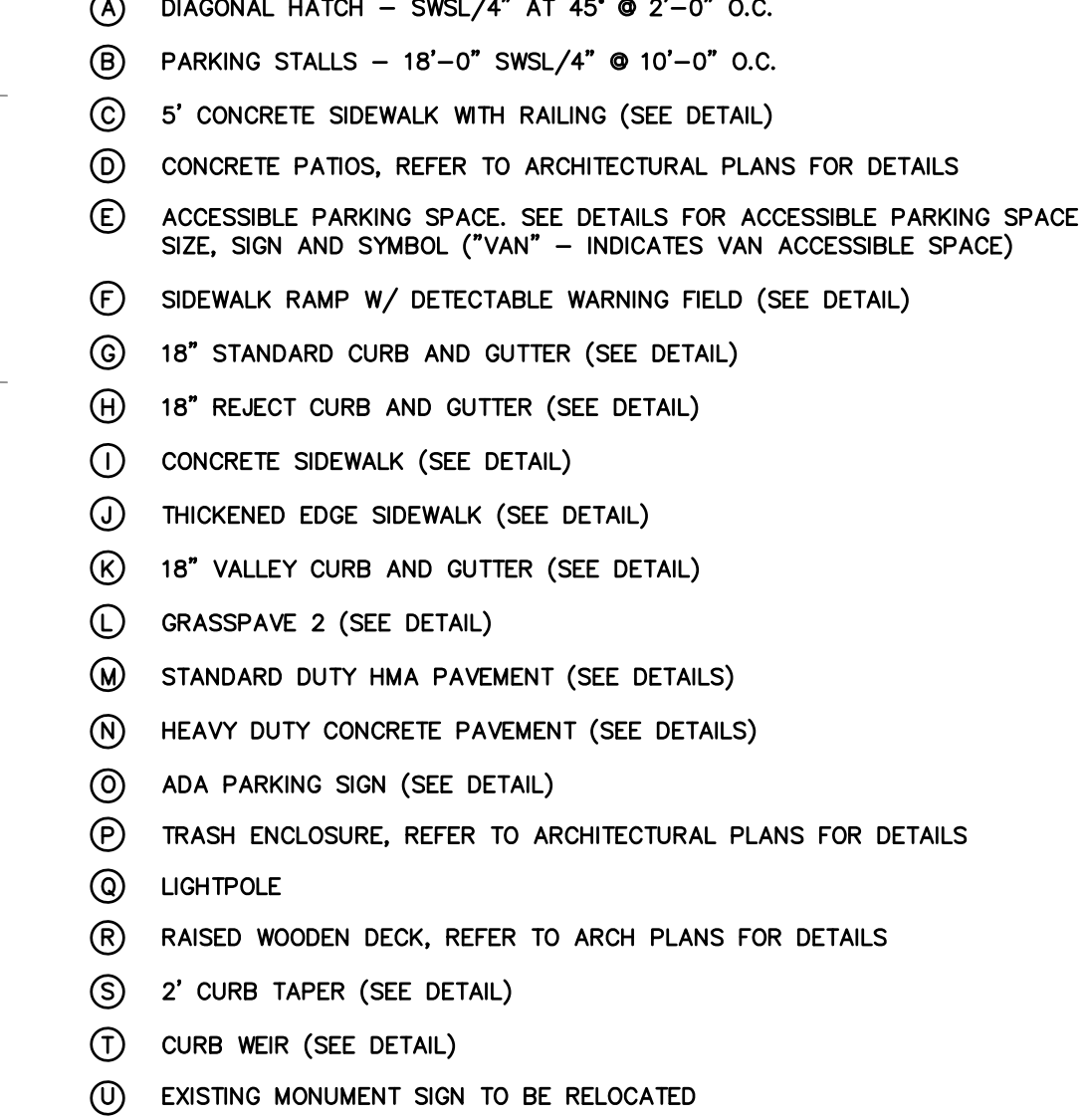
Print Date: 12/4/2019

1. ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR STRUCTURAL MATERIALS AND CONSTRUCTION" (HEREINAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS), LATEST EDITION, APPLICABLE VILLAGE OF MUKWONGNO ORDINANCES AND THE GEOTECH REPORT.
2. FINAL PAVEMENT DESIGN TO BE DETERMINED BY OWNER BASED ON GEOTECHNICAL ENGINEER OF RECORD RECOMMENDATIONS. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER OF RECORD RECOMMENDATIONS AS SPECIFIED IN THE STATE GEOTECHNICAL REPORT.
3. THE VILLAGE OF MUKWONGNO AND JSD PROFESSIONAL SERVICES (JSD) SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION.
4. SIGN CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
5. ALL PAVING DIMENSIONS AND RADII ARE DIMENSIONED TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
6. ALL COORDINATES AND DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
7. FOR LANDSCAPING SEE SEPARATE PLAN.
8. REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING DIMENSIONS AND DETAILS.
9. ALL CURB AND GUTTER IS WSDOT TYPE D, 18" UNLESS NOTED OTHERWISE. USE HIGH SIDE CURB 45 NECESSARY TO DRAIN WATER PROPERLY.
10. SOME FIELD ADJUSTMENTS MAY BE NECESSARY AT POINTS WHERE PROPOSED PAVEMENT, CURB AND SIDEWALKS MEET EXISTING PAVEMENT, CURB AND SIDEWALKS. REVIEW ANY REQUIRED CHANGES WITH THE ENGINEER PRIOR TO CONSTRUCTION OF WORK.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS FOR ALL UTILITIES, STORM DRAINAGE SIGNS, TRAFFIC SIGNS, TRAFFIC LIGHTS, ETC AS NECESSARY TO COMPLETE PROPOSED ITEMS IN PLACE. ALL WORK SHALL BE IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION'S SPECIFICATIONS AND SHALL BE APPROVED AS SUCH.
12. ALL COSTS SHALL BE INCLUDED IN THE BID.
13. ALL PAVEMENT TO BE STANDARD DUTY PAVEMENT, UNLESS NOTED OTHERWISE.
14. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.
2. ASPHALTIC CONCRETE PAVING SPECIFICATIONS
1. CODES AND STANDARDS -- THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 400, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE. CONSTRUCTION EDITION, HEREINAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
2. WEATHER LIMITATIONS -- APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS PRIOR TO PLACING. DO NOT PLACE ASPHALTIC CONCRETE WHEN BASE OR SUBGRADE CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN AIR TEMPERATURE IS ABOVE 50° F (10° C). DO NOT PLACE WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C).
3. GRADE CONTROL -- ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
4. CRUSHED AGGREGATE BASE COURSE -- THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTION 400, 308, STATE HIGHWAY SPECIFICATIONS. CLEAN RECYCLED CURBSIDE CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
5. BINDER COURSE AGGREGATE -- THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 315, STATE HIGHWAY SPECIFICATIONS.
6. SURFACE COURSE AGGREGATE -- THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 465, STATE HIGHWAY SPECIFICATIONS.
7. ASPHALTIC MATERIALS -- THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.
8. SURFACE PREPARATION -- NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SURFACE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
3. CONCRETE PAVING SPECIFICATIONS
1. CODES AND STANDARDS -- THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALT PAVEMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE. CONSTRUCTION, CURRENT EDITION, HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.

- 3.2. REINFORCEMENT CONCRETE PAVEMENT SHALL BE REINFORCED WITH NOMESHES 950 (OR EQUAL) FIBER REINFORCEMENT AT A RATE OF 5 LBS/CUBIC YARD.
- 3.3. CURING COMPOUNDS – CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.
- 3.4. FINISHING –
 - 3.4.1. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.
 - 3.4.2. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER.
 - 3.4.3. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
 - 3.4.4. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
- 3.5. CRUSHED AGGREGATE BASE COURSE – THE BASE COURSE SHALL CONFORM TO SECTIONS 312 AND 309, STATE HIGHWAY SPECIFICATIONS. CRUSHED CONCRETE OR CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
- 3.6. SURFACE PREPARATION – NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
4. PAVEMENT MARKING SPECIFICATIONS
 - 4.1. CONTRACTOR SHALL LEASANT STRIPING COLOR WITH CLEAN PRIORITY TO CONSTRUCTION.
 - 4.2. PROVIDE CONTRACTOR GRADE LATEL, STRIPING PANT, ALL STRIPING SHALL BE APPLIED IN ACCORDANCE WITH NEW YORK STATE'S STRIPING CODE.
 - 4.3. THOROUGHLY CLEAN SURFACES FREE OF DIRT, SAND, GRAVEL, OIL, AND OTHER FOREIGN MATTER. CONTRACTOR RESPONSIBLE TO INSPECT PAVEMENT SURFACES FOR CONDITIONS AND DEFECTS THAT WILL ADVERSELY AFFECT QUALITY OF WORK, AND WHICH CANNOT BE PUT TO AN ACCEPTABLE CONDITION THROUGH NORMAL PREPARATORY WORK AS SPECIFIED.
 - 4.4. DO NOT PLACE MARKING OVER UNSOUND PAVEMENTS. IF THESE CONDITIONS EXIST, NOTIFY OWNER. STARTING INSTALLATION CONSTITUTES CONTRACTOR'S ACCEPTANCE OF SURFACE.
 - 4.5. LAYOUT MARKINGS USING GUIDE LINES, TEMPLATES AND FORMS. STENCILS AND TEMPLATES SHALL BE PROFESSIONALLY MADE TO INDUSTRY STANDARDS. "FREE HAND" PAINTING OF ARROWS, SYMBOLS, OR WORDING SHALL NOT BE ALLOWED. APPLY STRIPS STRAIGHT AND EVEN.
 - 4.6. PROTECT ADJACENT WALKS, FENCES, AND OTHER ITEMS FROM RECEIVING PANT.
 - 4.7. APPLY MARKING PANT AT A RATE OF ONE (1) GALLON PER THREE TO FOUR HUNDRED SQUARE FEET FOR 4" (OR 4") INCH WIDE STRIPS, OR TO MEET SPECIFICATIONS.
 - 4.8. BARRICADE MARKED AREAS DURING INSTALLATION AND UNTIL THE MARKING PANT IS DRY AND READY FOR TRAFFIC.
 - 4.9. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY PER LOCAL CODES.
 - 4.10. 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.

- 30 STORM
EASEMENT
PR 65W 7501

-



SITE INFORMATION BLOCK			
SITE ADDRESS		210 McDIVITT LN MUKWONGAO, WI 53149	
PROPERTY ACREAGE		2.34 ACRES	
NUMBER OF BUILDING STORIES		1	
BUILDING SQUARE FOOTAGE			
EXISTING		8,055	
PROPOSED		16,260	
TOTAL		24,315	
NUMBER OF PARKING STALLS			
STANDARD		25	
ACCESSIBLE		2	
TOTAL		27	
EXISTING VS. PROPOSED SITE COVERAGE *			
EXISTING IMPERVIOUS SURFACE AREA		32,291 SF	(31.7%)
EXISTING PERVIOUS SURFACE AREA		69,612 SF	(68.3%)
EXISTING IMPERVIOUS SURFACE AREA RATIO		0.32	
PROPOSED IMPERVIOUS SURFACE AREA		52,435 SF	(51.4%)
PROPOSED PERVIOUS SURFACE AREA		49,488 SF	(48.6%)
PROPOSED IMPERVIOUS SURFACE AREA RATIO		0.51	
R-10 ZONING REQUIREMENTS		REQUIRED	PROVIDED
BUILDING SETBACK (STREET)		35 FEET	35 FEET
BUILDING SETBACK (SIDE)		15 FEET	63.6 FEET
BUILDING SETBACK (REAR)		40 FEET	24.4 FEET
PARKING LOT SETBACK		20 FEET	15 FEET
MINIMUM GREEN SPACE		40%	59%
MAX BUILDING COVERAGE		40%	24X

* THE WETLAND AREAS ARE SPLIT SO THAT 50% OF THE AREA IS IMPERVIOUS AND 50% IS PERVIOUS FOR EXISTING AND PROPOSED AREA CALCULATIONS.

	PROPERTY LINE
	EASEMENT LINE
	WETLAND BOUNDARY
	BUILDING OUTLINE
	PAVEMENT SETBACK LINE
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	REJECT CURB AND GUTTER
	STANDARD DUTY ASPHALT PAVEMENT
	HEAVY DUTY ASPHALT PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	CONCRETE
	LIGHT POLE
	ADA PARKING SIGN
	PROPOSED STORM CATCH BASIN
	PROPOSED FLARED END SECTION
	PROPOSED HYDRANT

PLAN MODIFICATIONS:		
#	Date:	Description:
1	12/12/2019	Revised per City Comments
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Design/Drawn:	CA
Approved:	DS
Date:	11/06/201

SHEET TITLE:
SITE PLAN

SHEET NUMBER:

C3.0

JSD PROJECT NO: 19-923



MADISON | MILWAUKEE | WAUSAU
APPLETON | KENOSHA | CHICAGO
COEUR D'ALENE

MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT



CLIENT ADDRESS:
210 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:

BIRCHROCK CASTLE
ADDITION

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

BIRCHROCK CASTLE ADDITION

VILLAGE OF MUKWONAGO, WISCONSIN

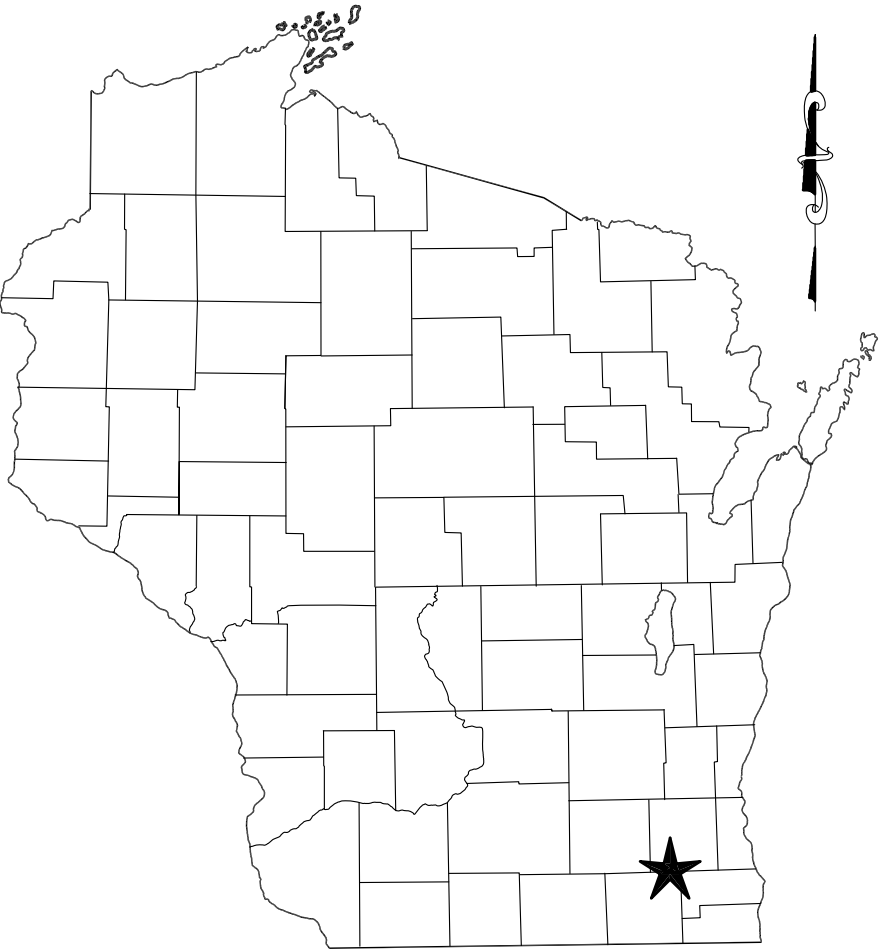
NW 1/4, SE 1/4, SECTION 35, TOWNSHIP 05 NORTH, RANGE 18 EAST

DRAWING INDEX

C0.0	TITLE SHEET
C1.0	EXISTING CONDITIONS
C2.0	DEMOLITION PLAN
C3.0	SITE PLAN
C4.0	EROSION CONTROL PLAN
C5.0	GRADING AND UTILITY PLAN
C6.0	DETAILS
C6.1	DETAILS
C6.2	DETAILS
L1.0	LANDSCAPE PLAN
L2.0	LANDSCAPE DETAILS & NOTES



PROJECT AREA
NOT TO SCALE



PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WI

PROJECT INFORMATION

OWNER CONTACT: Kristopher Klefer Castle Senior Living 13050 West Cleveland Avenue New Berlin, WI 53151 P: 414-427-1655	ARCHITECT / INTERIOR DESIGN CONTACT: Gregg Golden Plunkett Raysich Architects, LLP 209 South Water Street Milwaukee, WI 53204 P: 414-410-2931
CIVIL CONSULTANT CONTACT: David S. Roberts, P.E. JSD Professional Services, Inc W238 N1610 Busse Road, Suite 100 Waukesha, WI 53188 P: 262-513-0666 C: 413-519-9301 david.roberts@jsdinc.com	

MUNICIPAL CONTACTS

VILLAGE OF MUKWONAGO DEPARTMENT OF UTILITIES CONTACT: Dave Brown Utility Director 1200 Holz Parkway Mukwonago, WI 53149 P: 414-550-2509 dbrown@villageofmukwonago.com	VILLAGE OF MUKWONAGO PUBLIC WORKS CONTACT: Ron Bittner Public Works Director 630 East Veterans Way Mukwonago, WI 53149 P: 262-780-4609 rbittner@villageofmukwonago.com
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APPLETON | KENOSHA | CHICAGO
COEUR D'ALENE

MILWAUKEE REGIONAL OFFICE
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WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:



CLIENT ADDRESS:
210 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:
**BIRCHROCK CASTLE
ADDITION**

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

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Design/Drawn: CAR
Approved: DSR
Date: 11/06/2019

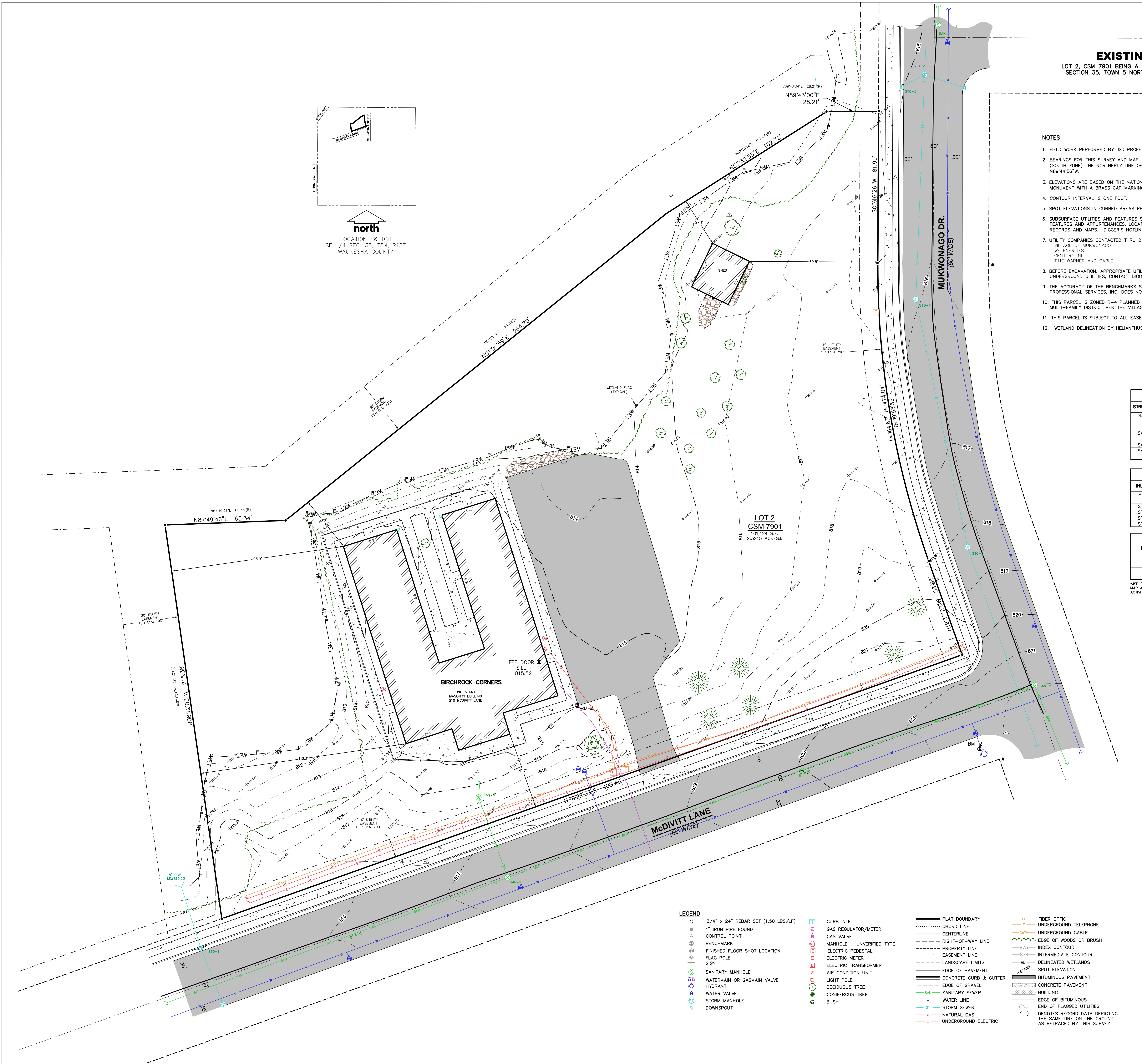
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TITLE SHEET

SHEET NUMBER:

C0.0

JSD PROJECT NO:

19-0231



EXISTING CONDITIONS SURVEY

LOT 2, CSM 7901 BEING A PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 35, TOWN 5 NORTH, RANGE 18 EAST, VILLAGE OF MUKWONAGO, WAUKESHA COUNTY, WISCONSIN.

NOTES

1. FIELD WORK PERFORMED BY JSD PROFESSIONAL SERVICES, INC. ON JUNE 24, 25 & 27, 2019.
2. BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM 1927, (SOUTH ZONE) THE NORTHERLY LINE OF THE SOUTHEAST QUARTER SECTION 35, T5N, R18E, RECORDED AS N89°44'56\"/>

SANITARY SEWER MANHOLES					
STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION/PIPE SIZE	PIPE TYPE	
SAN-1	817.61	N	807.10 6"	PVC	
		W	806.72 8"	PVC	
		E	807.11 8"	PVC	
SAN-2	822.04	W	811.63 8"	PVC	
		S	811.74 8"	PVC	
		NE & S	807.44 6"	PVC	
SAN-3	815.64	E&W	799.41 8"	PVC	
SAN-4	815.18	N	801.41 8"	PVC	

STORM SEWER STRUCTURES					
INLET ID	RIM ELEVATION	INVERT	ELEVATION/PIPE SIZE	PIPE TYPE	
STO-1	814.92	S	810.0 18"	—	
		N	809.8 18"	RCP	
STO-2	815.16	NOT ACCESSIBLE	—	—	
STO-3	815.16	E&W	808.4 —	—	
STO-4	815.94	N&S	809.5 —	—	
STO-5	818.27	N&S	812.1 —	—	

BENCHMARKS		
BENCH MARK	ELEVATION	DESCRIPTION
BM-1	815.17	CHISELED SQUARE IN CORNER OF CONCRETE SIDEWALK
BM-2	823.58	SW BOLT ON HYDRANT AT SW CORNER OF INTERSECTION

JSD DOES NOT GUARANTEE THE BENCHMARK ELEVATIONS LISTED ON THIS MAP ARE ACCURATE AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.

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MILWAUKEE REGIONAL OFFICE
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WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:

Castle
Senior Living

CLIENT ADDRESS:
210 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:
BIRCHROCK CASTLE
ADDITION

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

PLAN MODIFICATIONS:		
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1	12/12/2019	Revised per City Comments
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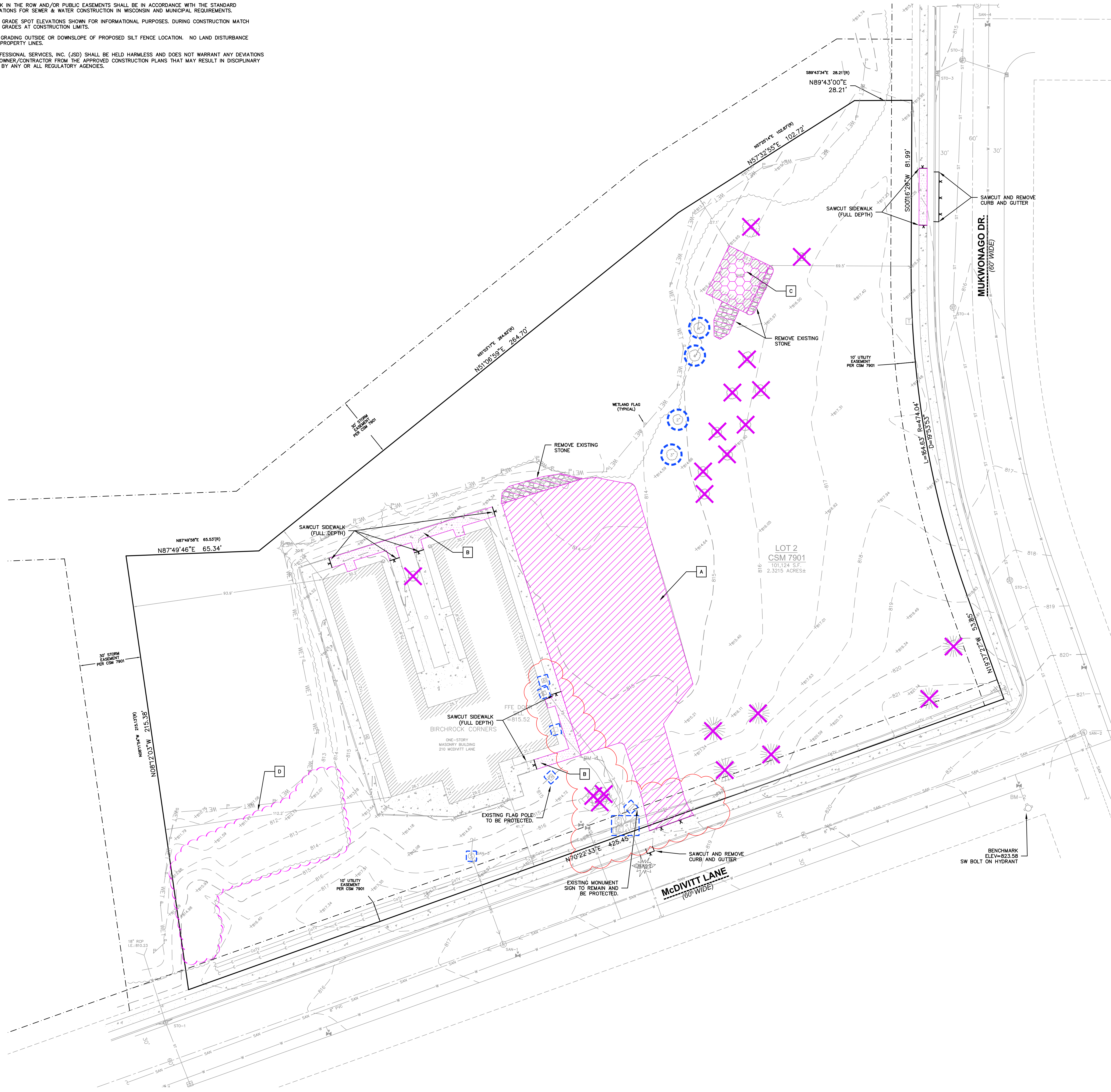
Design/Drawn: CAP
Approved: DSR
Date: 11/06/2019

SHEET TITLE:
EXISTING CONDITIONS
SURVEY

SHEET NUMBER:
C1.0
JSD PROJECT NO: 19-0231

GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
3. EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
4. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
5. JSD PROFESSIONAL SERVICES, INC. (JSD) SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.



DEMOLITION NOTES

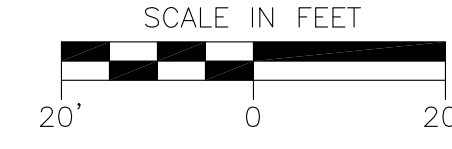
1. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., IN A LAWFUL MANNER, SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
2. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING FOR ALL FEES AND CHARGES. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
3. THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY, RECONNAISSANCE, "GOGGLES HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE GROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD PROFESSIONAL SERVICES, INC. (JSD) TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
4. ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS, PRIVATE DRIVES AND PAVEMENT FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
5. CONTRACTOR TO MAINTAIN CONTINUOUS ACCESS TO SURROUNDING PROPERTIES AND REMAINING PARTS OF THE EXISTING BUILDING AT ALL TIMES DURING THE DEMOLITION PHASE OF THE PROJECT.
6. ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GRIND TO PROPOSED SUBGRADE.
7. PERFORM TREE PRUNING IN ALL LOCATIONS WHERE PROPOSED PAVEMENT AND/OR UTILITY INSTALLATION ENCLOSED WITHIN THE EXISTING DRP LINE OF THE TREES TO REMAIN. ALL TRENCING WITHIN THE EXISTING DRP LINE OF THE TREES TO REMAIN SHALL BE DONE RADICALLY AWAY FROM THE TRUNK IF ROOTS IN EXCESS OF 1" DIAMETER ARE EXPOSED. ROOTS MUST BE CUT BY REPUTABLE TREE PRUNING SERVICE PRIOR TO ANY TRANSVERSE TRENCHING.
8. ABANDONED/REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
9. CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ADJUTING THE PROPERTIES, WHICH IS DAMAGED BY THE CONSTRUCTION, OR ANY SIDEWALK AND CURB AND GUTTER THAT THE VILLAGE ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
10. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED PAVEMENT, WALK, ETC. OR WITHIN 24" THEREOF SHALL BE FILLED AND BACKFILLED WITH GRANULAR MATERIALS AND COMPACTED PER SPECIFICATIONS.
11. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - 11.1. EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - 11.2. VERIFYING UTILITY ELEVATIONS AND NOTIFYING THE DESIGN ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
 - 11.3. NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
 - 11.4. NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
 - 11.5. PERFORMING UTILITY LOCATE OBSERVATIONS (ULO) ON ALL UTILITY CROSSINGS. CONTRACTOR TO REPORT ANY PLAN DISCREPANCIES OR CONFLICTS PRIOR TO THE START OF UTILITY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES TO CONDUCT ULO'S.
12. ALL EXISTING UTILITIES TO BE FIELD LOCATED AND FLAGGED BY CONTRACTOR.
13. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE TO REMAIN, THAT ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
14. CONTRACTOR SHALL NOTIFY JSD OF ANY ROOF LEADERS AND/OR STORM DRAIN LINES ENCOUNTERED DURING DEMOLITION WHICH ARE NOT SHOWN ON THE PLANS PRIOR TO ABANDONMENT OR REMOVAL.
15. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
16. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
17. ANY CONTAMINATED SOILS SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROVED LANDFILL.
18. EXISTING FIBER OPTIC LINE(S) TO BE CLEARLY MARKED PRIOR TO ANY EXCAVATION. CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING FIBER OPTIC LINE(S) LOCATION(S).
19. BUILDING REMOVALS SHALL BE BY A QUALIFIED CONTRACTOR. CONTRACTOR TO FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS AND ALL BUILDING MATERIALS IN APPROPRIATE LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURIED ON SITE. IF ENCOUNTERED, ANY CONTAMINATED BUILDING MATERIAL AND/OR SOILS SHALL BE REMOVED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR IN ACCORDANCE WITH APPROPRIATE STATE AND FEDERAL REGULATIONS.
20. CONTRACTOR TO REMOVE EXISTING UTILITY PIPE/CONDUITS WITHIN BUILDING FOOTPRINT AND BACKFILL WITH MATERIALS PER GEOTECHNICAL REPORT.
21. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, CURB, SIDEWALK, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
22. RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION AND REMOVAL. THIS INCLUDES CURB & GUTTER, SIDEWALK, TOPSOIL, SEEDING AND MULCHING.

DEMOLITION LEGEND/KEY

- [Hatched Pattern] A EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED
- [Dotted Pattern] B EXISTING CONCRETE AND BASE TO BE REMOVED
- [Cross-hatched Pattern] C EXISTING BUILDING TO BE REMOVED
- [Cloud Pattern] D TREES AND VEGETATION TO BE REMOVED
- [Blue Dashed Box] PROTECT UTILITY STRUCTURE
- [Blue Dashed Circle] PROTECT EXISTING TREES
- [Purple X] REMOVE TREE
- [Red X] SAWCUT PAVEMENT FULL DEPTH
- [Red Cloud] CAUTION EXISTING UNDERGROUND UTILITIES (GAS, ELECTRIC, CABLE, TELEPHONE, ETC)

LEGEND

- [Star] GOVERNMENT CORNER
- [Circle with 1"] 1" IRON PIPE FOUND
- [Circle with 2"] 2" IRON PIPE FOUND
- [Circle with PK/MAG] PK/MAG NAIL FOUND
- [Circle with 1X"] 1X" REBAR FOUND
- [Circle with 3/4"] 3/4" REBAR FOUND
- [Circle with CONTROL] CONTROL POINT
- [Circle with BENCHMARK] BENCHMARK
- [Circle with FINISHED] FINISHED FLOOR SHOT LOCATION
- [Circle with SIGN] SIGN
- [Circle with EXISTING] EXISTING SANITARY MANHOLE
- [Circle with EXISTING] EXISTING WATER MAIN OR GASMAIN VALVE
- [Circle with EXISTING] EXISTING WATER MANHOLE
- [Circle with EXISTING] EXISTING HYDRANT
- [Circle with CURB] CURB STOP/SERVICE VALVE
- [Circle with EXISTING] EXISTING STORM MANHOLE
- [Circle with EXISTING] EXISTING CURB INLET
- [Circle with GAS] GAS REGULATOR/METER
- [Circle with GAS] GAS VALVE
- [Circle with MANHOLE] MANHOLE - UNVERIFIED TYPE
- [Circle with ELECTRIC] ELECTRIC TRANSFORMER
- [Circle with EXISTING] EXISTING LIGHT POLE
- [Circle with POWER] POWER POLE W/GUY
- [Circle with YARD] YARD LIGHT
- [Circle with TELEPHONE] TELEPHONE MANHOLE
- [Circle with TELEPHONE] TELEPHONE PEDESTAL
- [Circle with CABLE] CABLE MANHOLE
- [Circle with CABLE] CABLE PEDESTAL
- [Solid Line] PLAT BOUNDARY
- [Dashed Line] SECTION LINE
- [Dotted Line] EASEMENT LINE
- [Solid Line] EDGE OF PAVEMENT
- [Dashed Line] EDGE OF GRAVEL
- [Line with SAN] EXISTING SANITARY SEWER
- [Line with ST] EXISTING WATER LINE
- [Line with ST] EXISTING STORM SEWER
- [Line with NATURAL] NATURAL GAS
- [Line with OVERHEAD] OVERHEAD LINE
- [Line with UNDERGROUND] UNDERGROUND ELECTRIC
- [Line with FIBER] FIBER OPTIC
- [Line with UNDERGROUND] UNDERGROUND TELEPHONE
- [Line with EDGE] EDGE OF WOODS OR BRUSH
- [Line with BUILDING] BUILDING
- [Line with -875] INDEX CONTOUR
- [Line with -874] INTERMEDIATE CONTOUR
- [Line with WE1] DELINEATED WETLANDS
- [Line with EXISTING] EXISTING ROCK/ GRAVEL AREAS
- [Line with CONCRETE] CONCRETE PAVEMENT/ SIDEWALKS
- [Line with END] END OF FLAGGED UTILITIES



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MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:



CLIENT ADDRESS:
210 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:
BIRCHROCK CASTLE
ADDITION

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

PLAN MODIFICATIONS:		
#	Date:	Description:
1	12/12/2019	Revised Per Village Comments
2	02/06/2020	Rev. per VIII. & WDNR Comments
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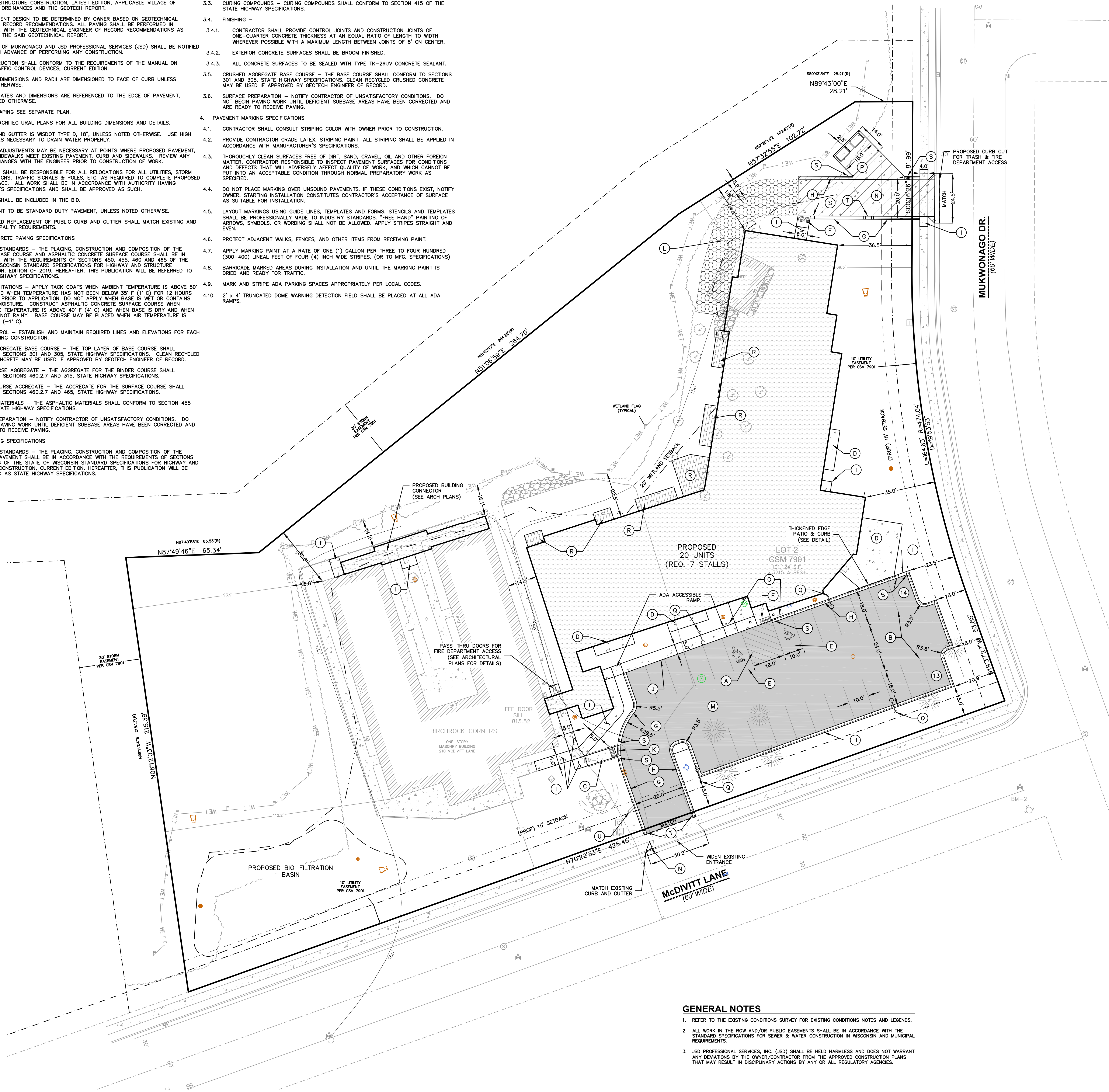
Design/Drawn: CAP
Approved: DSR
Date: 11/06/2019

SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
C2.0
JSD PROJECT NO: 19-0231

PAVING NOTES

1. GENERAL
 - 1.1. ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION, APPLICABLE VILLAGE OF MUKWONAGO ORDINANCES AND THE GEOTECH REPORT.
 - 1.2. FINAL PAVEMENT DESIGN TO BE DETERMINED BY OWNER BASED ON GEOTECHNICAL ENGINEER OF RECORD RECOMMENDATIONS. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER OF RECORD RECOMMENDATIONS AS SPECIFIED IN THE SAID GEOTECHNICAL REPORT.
 - 1.3. THE VILLAGE OF MUKWONAGO AND JSD PROFESSIONAL SERVICES (JSD) SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION.
 - 1.4. SIGN CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
 - 1.5. ALL PAVING DIMENSIONS AND RADII ARE DIMENSIONED TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
 - 1.6. ALL COORDINATES AND DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
 - 1.7. FOR LANDSCAPING SEE SEPARATE PLAN.
 - 1.8. REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING DIMENSIONS AND DETAILS.
 - 1.9. ALL CURB AND GUTTER IS WSDOT TYPE D, 18", UNLESS NOTED OTHERWISE. USE HIGH SIDE CURB AS NECESSARY TO DRAIN WATER PROPERLY.
 - 1.10. SOME FIELD ADJUSTMENTS MAY BE NECESSARY AT POINTS WHERE PROPOSED PAVEMENT, CURB AND SIDEWALKS MEET EXISTING PAVEMENT, CURB AND SIDEWALKS. REVIEW ANY REQUIRED CHANGES WITH THE ENGINEER PRIOR TO CONSTRUCTION OF WORK.
 - 1.11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS FOR ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED TO COMPLETE PROPOSED ITEMS IN PLACE. ALL WORK SHALL BE IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION'S SPECIFICATIONS AND SHALL BE APPROVED AS SUCH.
 - 1.12. ALL COSTS SHALL BE INCLUDED IN THE BID.
 - 1.13. ALL PAVEMENT TO BE STANDARD DUTY PAVEMENT, UNLESS NOTED OTHERWISE.
 - 1.14. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.
2. ASPHALTIC CONCRETE PAVING SPECIFICATIONS
 - 2.1. CODES AND STANDARDS – THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, EDITION OF 2015. HEREINAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
 - 2.2. WEATHER LIMITATIONS – APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (–1° C).
 - 2.3. GRADE CONTROL – ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
 - 2.4. CRUSHED AGGREGATE BASE COURSE – THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS. CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
 - 2.5. BINDER COURSE AGGREGATE – THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 315, STATE HIGHWAY SPECIFICATIONS.
 - 2.6. SURFACE COURSE AGGREGATE – THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 465, STATE HIGHWAY SPECIFICATIONS.
 - 2.7. ASPHALTIC MATERIALS – THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.
 - 2.8. SURFACE PREPARATION – NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
3. CONCRETE PAVING SPECIFICATIONS
 - 3.1. CODES AND STANDARDS – THE PLACING, CONSTRUCTION AND COMPOSITION OF THE CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION, HEREINAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
 - 3.2. REINFORCEMENT – CONCRETE PAVEMENT SHALL BE REINFORCED WITH NOVOMESH 950 (OR EQUAL) FIBER REINFORCEMENT AT A RATE OF 5 LBS/CUBIC YARD.
 - 3.3. CURING COMPOUNDS – CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.
 - 3.4. FINISHING –
 - 3.4.1. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.
 - 3.4.2. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
 - 3.4.3. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
 - 3.5. CRUSHED AGGREGATE BASE COURSE – THE BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS. CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
 - 3.6. SURFACE PREPARATION – NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
4. PAVEMENT MARKING SPECIFICATIONS
 - 4.1. CONTRACTOR SHALL CONSULT STRIPING COLOR WITH OWNER PRIOR TO CONSTRUCTION.
 - 4.2. PROVIDE CONTRACTOR GRADE LATEX, STRIPING PAINT. ALL STRIPING SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - 4.3. THOROUGHLY CLEAN SURFACES FREE OF DIRT, SAND, GRAVEL, OIL AND OTHER FOREIGN MATTER. CONTRACTOR RESPONSIBLE TO INSPECT PAVEMENT SURFACES FOR CONDITIONS AND DEFECTS THAT WILL ADVERSELY AFFECT QUALITY OF WORK, AND WHICH CANNOT BE PUT INTO AN ACCEPTABLE CONDITION THROUGH NORMAL PREPARATORY WORK AS SPECIFIED.
 - 4.4. DO NOT PLACE MARKING OVER UNSOUND PAVEMENTS. IF THESE CONDITIONS EXIST, NOTIFY OWNER. STARTING INSTALLATION CONSTITUTES CONTRACTOR'S ACCEPTANCE OF SURFACE AS SUITABLE FOR INSTALLATION.
 - 4.5. LAYOUT MARKINGS USING GUIDE LINES, TEMPLATES AND FORMS. STENCILS AND TEMPLATES SHALL BE PROFESSIONALLY MADE TO INDUSTRY STANDARDS. "FREE HAND" PAINTING OF ARROWS, SYMBOLS, OR WORDING SHALL NOT BE ALLOWED. APPLY STRIPES STRAIGHT AND EVEN.
 - 4.6. PROTECT ADJACENT WALKS, FENCES, AND OTHER ITEMS FROM RECEIVING PAINT.
 - 4.7. APPLY MARKING PAINT AT A RATE OF ONE (1) GALLON PER THREE TO FOUR HUNDRED (300–400) LINEAL FEET OF FOUR (4) INCH WIDE STRIPES. (OR TO MFG. SPECIFICATIONS)
 - 4.8. BARRICADE MARKED AREAS DURING INSTALLATION AND UNTIL THE MARKING PAINT IS DRIED AND READY FOR TRAFFIC.
 - 4.9. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY PER LOCAL CODES.
 - 4.10. 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.



SITE LEGEND

- (A) DIAGONAL HATCH – SWSL/4" AT 45° @ 2"–0" O.C.
- (B) PARKING STALLS – 18'–0" SWSL/4" @ 10'–0" O.C.
- (C) 5" CONCRETE SIDEWALK WITH RAILING (SEE DETAIL)
- (D) CONCRETE PATIOS, REFER TO ARCHITECTURAL PLANS FOR DETAILS
- (E) ACCESSIBLE PARKING SPACE, SEE DETAILS FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN" – INDICATES VAN ACCESSIBLE SPACE)
- (F) SIDEWALK RAMP W/ DETECTABLE WARNING FIELD (SEE DETAIL)
- (G) 18" STANDARD CURB AND GUTTER (SEE DETAIL)
- (H) 18" REJECT CURB AND GUTTER (SEE DETAIL)
- (I) CONCRETE SIDEWALK (SEE DETAIL)
- (J) THICKENED EDGE SIDEWALK (SEE DETAIL)
- (K) 18" VALLEY CURB AND GUTTER (SEE DETAIL)
- (L) GRASSPAVE 2 (SEE DETAIL)
- (M) STANDARD DUTY HMA PAVEMENT (SEE DETAILS)
- (N) HEAVY DUTY CONCRETE PAVEMENT (SEE DETAILS)
- (O) ADA PARKING SIGN (SEE DETAIL)
- (P) TRASH ENCLOSURE, REFER TO ARCHITECTURAL PLANS FOR DETAILS
- (Q) LIGHTPOLE
- (R) RAISED WOODEN DECK, REFER TO ARCH PLANS FOR DETAILS
- (S) 2" CURB TAPER (SEE DETAIL)
- (T) CURB WEIR (SEE DETAIL)
- (U) EXISTING MONUMENT SIGN TO BE RELOCATED

SITE INFORMATION BLOCK

SITE ADDRESS	210 McDEVITT LN MUKWONAGO, WI 53149
PROPERTY ACREAGE	2.34 ACRES
NUMBER OF BUILDING STORIES	1
BUILDING SQUARE FOOTAGE	
EXISTING	8,055
PROPOSED	16,260
TOTAL	24,315
NUMBER OF PARKING STALLS	
STANDARD	25
ACCESSIBLE	2
TOTAL	27
REQUIRED PARKING STALLS	
40 BED – (1 PARKING PER 3 BEDS)	14
EMPLOYEE PARKING	11
TOTAL	25
EXISTING VS. PROPOSED SITE COVERAGE *	
EXISTING IMPERVIOUS SURFACE AREA	32,291 SF (31.7%)
EXISTING PERVIOUS SURFACE AREA	69,812 SF (68.3%)
EXISTING IMPERVIOUS SURFACE AREA RATIO	0.32
PROPOSED IMPERVIOUS SURFACE AREA	52,435 SF (51.4%)
PROPOSED PERVIOUS SURFACE AREA	49,488 SF (48.6%)
PROPOSED IMPERVIOUS SURFACE AREA RATIO	0.51
R-10 ZONING REQUIREMENTS	REQUIRED PROVIDED
BUILDING SETBACK (STREET)	35 FEET 35 FEET
BUILDING SETBACK (SIDE)	15 FEET 93.9 FEET
BUILDING SETBACK (REAR)	40 FEET 24.4 FEET
PARKING LOT SETBACK	20 FEET 15 FEET
MINIMUM GREEN SPACE	40% 50%
MAX BUILDING COVERAGE	40% 24%

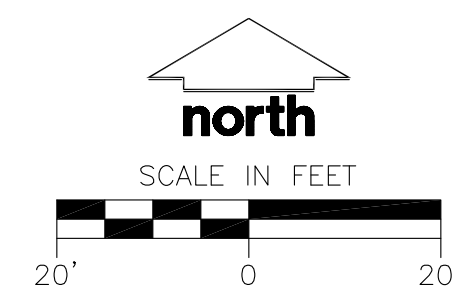
* THE WETLAND AREAS ARE SPLIT SO THAT 50% OF THE AREA IS IMPERVIOUS AND 50% IS PERVIOUS FOR EXISTING AND PROPOSED AREA CALCULATIONS.

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- WETLAND BOUNDARY
- BUILDING OUTLINE
- PAVEMENT SETBACK LINE
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- STANDARD DUTY ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- CONCRETE
- LIGHT POLE
- ADA PARKING SIGN
- PROPOSED STORM CATCH BASIN
- PROPOSED FLARED END SECTION
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY CLEANOUT
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT

GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
3. JSD PROFESSIONAL SERVICES, INC. (JSD) SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.



CREATE THE VISION TELL THE STORY

MADISON MILWAUKEE WAUSAU
APPLETON KENOSHA CHICAGO
COEUR D'ALENEMILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:

CLIENT ADDRESS:
210 McDEVITT LANE
MUKWONAGO, WI 53149

PROJECT:

BIRCHROCK CASTLE
ADDITIONPROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

PLAN MODIFICATIONS:

#	Date:	Description:
1	12/12/2019	Revised per Village Comments
2	01/24/2020	Rev. Building Connector
3	02/06/2020	Rev. per VIII. & WDNR Comments
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Design/Drawn: CAR
Approved: DSR
Date: 11/06/2019SHEET TITLE:
SITE PLAN

SHEET NUMBER:

C3.0

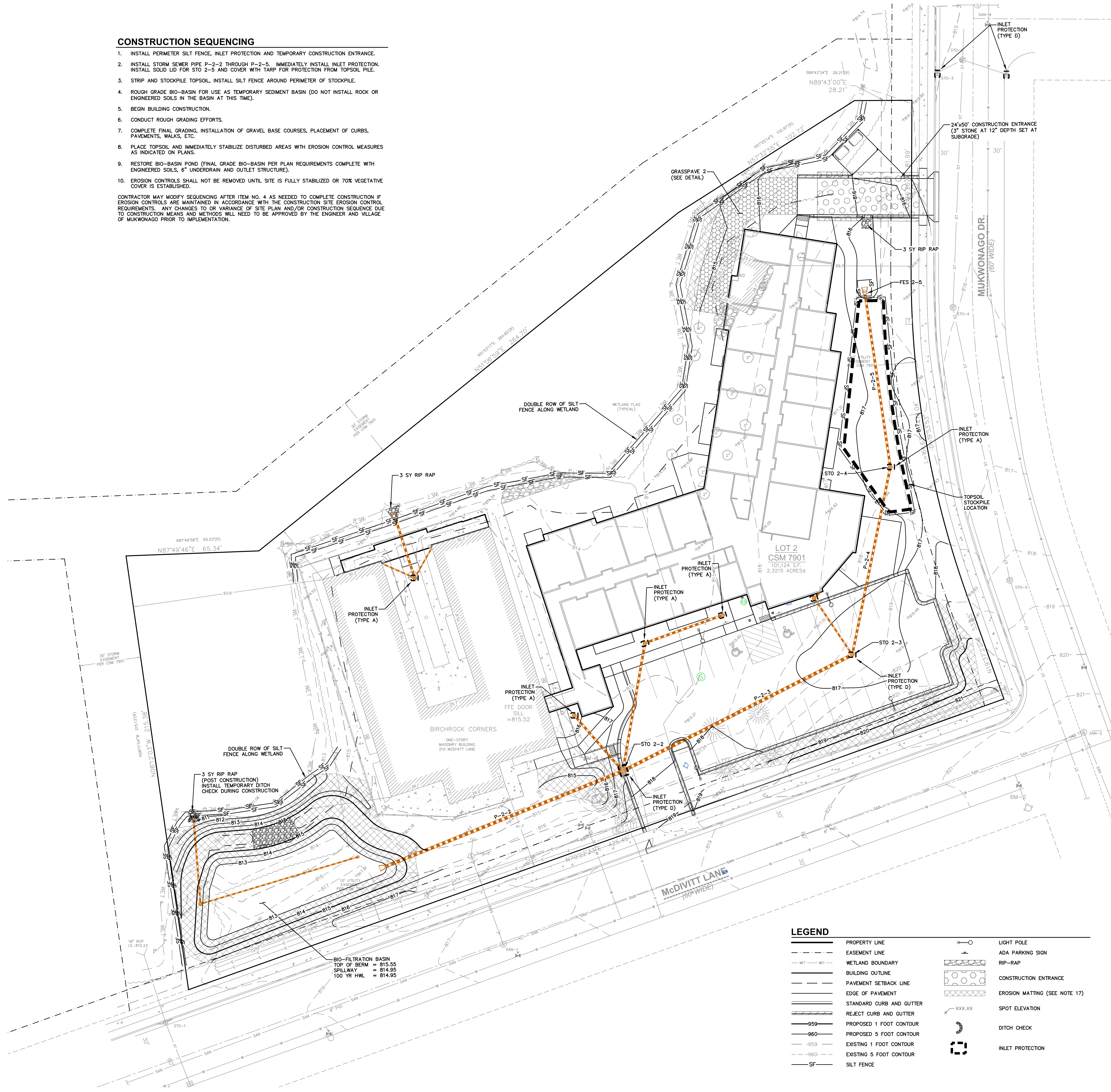
JSD PROJECT NO:

19-0231

CONSTRUCTION SEQUENCING

1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
2. INSTALL STORM SEWER PIPE P-2-2 THROUGH P-2-5. IMMEDIATELY INSTALL INLET PROTECTION. INSTALL SOLID LID FOR STO 2-5 AND COVER WITH TARP FOR PROTECTION FROM TOPSOIL PILE.
3. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
4. ROUGH GRADE BIO-BASIN FOR USE AS TEMPORARY SEDIMENT BASIN (DO NOT INSTALL ROCK OR ENGINEERED SOILS IN THE BASIN AT THIS TIME).
5. BEGIN BUILDING CONSTRUCTION.
6. CONDUCT ROUGH GRADING EFFORTS.
7. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
8. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
9. RESTORE BIO-BASIN POND (FINAL GRADE BIO-BASIN PER PLAN REQUIREMENTS COMPLETE WITH ENGINEERED SOILS, 6" UNDERDRAIN AND OUTLET STRUCTURE).
10. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED.

CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 4 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS. ANY CHANGES TO OR VARIANCE OF SITE PLAN AND/OR CONSTRUCTION SEQUENCE DUE TO CONSTRUCTION MEANS AND METHODS WILL NEED TO BE APPROVED BY THE ENGINEER AND VILLAGE OF MUKWONAGO PRIOR TO IMPLEMENTATION.



LEGEND

PROPERTY LINE		LIGHT POLE	
EASEMENT LINE		ADA PARKING SIGN	
WETLAND BOUNDARY		RIP-RAP	
BUILDING OUTLINE		CONSTRUCTION ENTRANCE	
PAVEMENT SETBACK LINE		EROSION MATTING (SEE NOTE 17)	
EDGE OF PAVEMENT		SPOT ELEVATION	
STANDARD CURB AND GUTTER		DITCH CHECK	
REFLECT CURB AND GUTTER		INLET PROTECTION	
PROPOSED 1 FOOT CONTOUR			
PROPOSED 5 FOOT CONTOUR			
EXISTING 1 FOOT CONTOUR			
EXISTING 5 FOOT CONTOUR			
SILT FENCE			

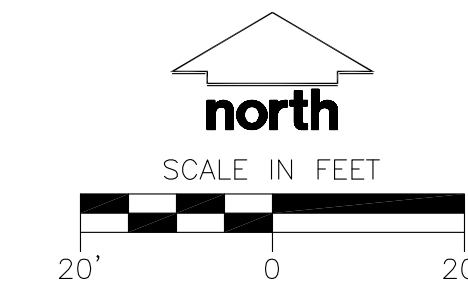
EROSION CONTROL NOTES

1. ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN WISCONSIN'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER GENERAL PERMIT FOR CONSTRUCTION SITE LAND DISTURBANCE ACTIVITIES. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS AND VILLAGE OF MUKWONAGO ORDINANCES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF, AND UNDERSTAND, THESE STANDARDS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
2. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL CONTROL MEASURES AS DIRECTED BY JSD PROFESSIONAL SERVICES, INC. (JSD) OR AUTHORITY HAVING JURISDICTION SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
3. MODIFICATIONS TO THE APPROVED EROSION CONTROL PLAN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF THE MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS. CONTRACTOR IS RESPONSIBLE TO NOTIFY JSD AND AUTHORITY HAVING JURISDICTION OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ALL MODIFICATIONS MUST BE APPROVED BY JSD/AUTHORITY HAVING JURISDICTION PRIOR TO DEVIATION FROM THE APPROVED PLAN.
4. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCE(S), SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN IN ORDER TO PROTECT ADJACENT PROPERTIES/STORM SEWER SYSTEMS FROM SEDIMENT TRANSPORT.
5. CONSTRUCTION ENTRANCE(S) SHALL BE INSTALLED AT THE LOCATION OF VEHICLE INGRESS/EGRESS POINT(S) AS SHOWN ON THE PLAN. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATION(S) WITH THE PROPER AUTHORITY HAVING JURISDICTION, PROVIDE NECESSARY FEES AND OBTAIN ALL REQUIRED APPROVALS OR PERMITS. ADDITIONAL CONSTRUCTION ENTRANCES OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE APPLICABLE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
6. PAVED SURFACES ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEEPED AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE AUTHORITY HAVING JURISDICTION.
7. THE ADJACENT INLETS THAT WILL COLLECT RUNOFF FROM DISTURBED AREAS SHALL BE PROTECTED TO PREVENT SEDIMENT DEPOSITION. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER. ALL INLETS, STRUCTURES, PIPES, AND SWALES SHALL BE KEPT CLEAN AND FREE OF SEDIMENTATION AND DEBRIS.
8. AT A MINIMUM, SEDIMENT TRAPS AND NECESSARY TEMPORARY DRAINAGE PROVISIONS SHALL BE CONSTRUCTED AND OPERATING DURING SIGNIFICANT MASS GRADING OPERATIONS TO PREVENT OFFSITE DISCHARGE OF UNTREATED RUNOFF.
9. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.
10. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.
11. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.) OUTSIDE OF THE PERIMETER CONTROLS SHALL INCORPORATE THE FOLLOWING:
 - PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE Dewatering Technical Standard No. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
12. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND DITCH CHECKS SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
13. TOPSOIL STOCKPILE SHALL BE LOCATED GENERALLY AS SHOWN. CONTRACTOR MAY SUBMIT AN ALTERNATE PLAN FOR LOCATION OF TEMPORARY TOPSOIL STOCKPILE TO ENGINEER FOR APPROVAL. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILE. STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."
14. EROSION CONTROL MEASURES TEMPORARILY REMOVED FOR UNAVOIDABLE CONSTRUCTION ACTIVITIES SHALL BE IN WORKING ORDER PRIOR TO THE COMPLETION OF EACH WORK DAY.
15. PUMPS MAY BE USED AS BYPASS DEVICES. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS.
16. GRADING EFFORTS SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES. ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF FOURTEEN (14) DAYS REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS.
17. ALL DISTURBED SLOPES EXCEEDING 4:1 YET LESS THAN 3:1, SHALL BE STABILIZED WITH NORTH AMERICAN GREEN S75BN EROSION MATTING (OR APPROVED EQUAL) AND DISTURBED SLOPES EXCEEDING 3:1 YET LESS THAN 2:1 SHALL BE STABILIZED WITH NORTH AMERICAN GREEN C125BN (OR APPROVED EQUAL) OR APPLICATION OF AN APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.
18. STABILIZATION PRACTICES:
 - 18.1. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
 - 18.2. THE INITIATION OF MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRELUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - 18.3. CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED. (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
 - 18.4. STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
 - PERMANENT SEEDING IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
 - TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (100LBS/ACRE)
 - HYDRO-MULCHING WITH A TACKIFIER
 - GEOTEXTILE EROSION MATTING
 - SEEDING
19. DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE FOR THE PURPOSE OF WATERING DOWN SOILS WHICH MAY OTHERWISE BECOME AIRBORNE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT THEIR EXPENSE. REFER TO WDNR TECHNICAL STANDARD 1068.
20. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE VISUALLY INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM ON A DAILY BASIS.
21. MAINTAIN SOIL. EROSION CONTROL DEVICES THROUGH THE DURATION OF THIS PROJECT. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES. DISTURBANCE ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
22. QUALIFIED PERSONNEL (PROVIDED BY THE GENERAL/PRIME CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AND EROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS OF ALL 0.5-INCH OR MORE PRECIPITATION EVENTS WITH A MINIMUM INSPECTION INTERVAL OF ONCE EVERY SEVEN (7) CALENDAR DAYS IN THE ABSENCE OF A QUALIFYING RAIN OR SNOWFALL EVENT. REPORTING SHALL BE IN ACCORDANCE WITH PART IV D.4. (a)-(f) OF THE NPDES GENERAL PERMIT. CONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DEFICIENT ITEMS REVEALED DURING INSPECTIONS REPAIRED/REPLACED.
23. THE FOLLOWING MAINTENANCE PRACTICES SHALL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. UPON IDENTIFICATION, DEFICIENCIES IN STORMWATER CONTROLS SHALL BE ADDRESSED IMMEDIATELY. THE MAINTENANCE PROCEDURES FOR THIS DEVELOPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO THOSE LISTED BELOW:
 - SILT FENCE - REPAIR OR REPLACE ANY DAMAGED FILTER FABRIC AND/OR STAKES. REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE ABOVE GROUND HEIGHT OF THE FENCE.
 - CONSTRUCTION ENTRANCE - AS NEEDED, ADD STONE TO MAINTAIN CONSTRUCTION ENTRANCE DIMENSIONS AND EFFECTIVENESS.
 - EROSION CONTROL MATTING - REPAIR MATTING IMMEDIATELY IF INSPECTION REVEALS BREACHED OR FAILED CONDITIONING SOIL AND RE-GRADE SOIL WHERE CHANNELIZATION HAS OCCURRED.
 - DIVERSION BERM/SWALE - REPLACE OR RE-COMPACT THE CONSTRUCTION MATERIALS AS NECESSARY.
 - INLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC AND/OR STONE WHEN CONTROL MEASURE IS CLOGGED. INLET FILTER BAGS SHALL BE REPLACED ONCE BAG BECOMES ONE-HALF FULL OF SEDIMENT.

ADDITIONAL POLLUTANT CONTROL MEASURES TO BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

- CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF. THIS INCLUDES ALL CONSTRUCTION SITE WASTE MATERIAL, EXCAVATION WASTE, AND WASTE FROM VEHICLES. THE CONTRACTOR SHALL ENSURE THAT NO MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, BURNED, OR DISCHARGED TO THE WATERS OF THE STATE. VEHICLES HAULING MATERIAL AWAY FROM THE SITE SHALL BE COVERED WITH A TARP/AUIN TO PREVENT BLOWING DEBRIS.
- DUST CONTROL SHALL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:
 - COVERING SOIL OR MORE OF THE SOIL SURFACE WITH A NON-ERODIBLE MATERIAL
 - ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND. RIDGES SHALL BE AT LEAST SIX (6) INCHES IN HEIGHT.
 - FREQUENT WATERING OF EXCAVATION AND FILL AREAS.
 - PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES, PARKING AREAS AND TRANSIT PATHS.
 - STREET SWEEPING SHALL BE PERFORMED TO IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ON PAVEMENTS.

24. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNR REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNR REQUIREMENTS.



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W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:



CLIENT ADDRESS:
2100 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:

**BIRCHROCK CASTLE
ADDITION**

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

PLAN MODIFICATIONS:

#	Date:	Description:
1	12/12/2019	Revised per City Comments
2	01/29/2020	PER WDNR COMMENTS
4	02/06/2020	Rev. per VII. & WDNR Comment
5		
6		
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14		
15		

Design/Drawn: CAP
Approved: DSR
Date: 11/06/2019

SHEET TITLE:
**EROSION CONTROL
PLAN**

SHEET NUMBER:

C4.0

JSD PROJECT NO:

19-0231

UTILITY NOTES

- ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.
- PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR:
 - EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO ANY PART OF CONSTRUCTION.
 - OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
 - VERIFYING ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
 - NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
 - COORDINATING ALL CONSTRUCTION WITH MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
 - COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN HEREIN REFERRED TO AS THE "STANDARD SPECIFICATIONS" AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.
- SPECIFICATIONS SHALL COMPLY WITH THE VILLAGE OF MUKWONAGO SPECIFICATIONS AND WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (DPS) 382.
- TRACER WIRES SHALL BE INSTALLED AS NECESSARY IN ACCORD WITH 182.07(5)(26) OF THE STATE STATUTES AND THE VILLAGE OF MUKWONAGO REQUIREMENTS.
- LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN LENGTHS ARE SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPUTATIONS OF MATERIALS REQUIRED TO COMPLETE WORK. LENGTHS SHALL BE FIELD VERIFIED DURING CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS, ELEVATIONS, AND SIZES OF PROPOSED UTILITIES AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS PRIOR TO ATTEMPTING CONNECTIONS AND BEGINNING UTILITY CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
- CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION.
- THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
- ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE TO REMAIN, THAT ARE DAMAGED BY THE CONTRACTOR, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- WATER SERVICE FOR THE PROPOSED ADDITION TO BE INTERNALLY FED FROM EXISTING BUILDING. SEE ARCHITECTURAL PLANS FOR DETAILS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING UTILITY AS-BUILT PLANS DRAWINGS PREPARED TO MUNICIPALITY STANDARDS ARE REQUIRED PRIOR TO OCCUPANCY PERMIT ISSUANCE. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING AND REPORTING ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS TO THE ENGINEER AS WORK PROGRESSES.
- SEE TABLE FOR STORM SEWER STRUCTURE INFORMATION.

STORM SEWER SPECIFICATIONS -

PIPE - ALL STORM SEWER USED ON THIS PROJECT SHALL BE HIGH DENSITY POLYETHYLENE UNLESS OTHERWISE NOTED.

HIGH DENSITY POLYETHYLENE SMOOTH-WALLED INTERIOR CORRUGATED PIPE SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS. MANHOLES SHALL BE 4' DIA. AND SHALL MEET THE REQUIREMENTS OF ASHITO DESIGNATION 20-24 TYPE 5 MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH ASTM D3350, D2412, AND D2321 WITH ELASTOMERIC GASKETS CONFORMING TO ASTM F477.

INLETS AND FRAMES

INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (DPS) 382.36(9)(3).

FRAMES AND GRATES SHALL BE GRAY IRON MATERIAL (PER ASTM A-48) OF STYLES / NEENAH CATALOG NUMBERS AS INDICATED ON THESE CONSTRUCTION DRAWINGS.

MANHOLES AND FRAMES MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF DPS 382.36(9)(3).

FRAMES AND LIDS SHALL BE GRAY IRON MATERIAL (PER ASTM A-48) OF STYLES/NEENAH CATALOG NUMBERS AS INDICATED ON THESE CONSTRUCTION DRAWINGS. INTERNAL CHAINSEAL SEALS SHALL BE ORDER SPECIALTY PRODUCTS OR EQUAL.

CLEANOUTS - CLEANOUTS SHALL BE EQUIPPED WITH FROST SLEEVES IN ACCORDANCE WITH DPS 382.35(5)(4)(2) (REFER TO DETAIL).

BACKFILL AND BEDDING - STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

ROOF LEADER/STORM DRAIN LINES - ALL EXISTING ROOF LEADERS/STORM DRAIN LINES ENCOUNTERED WHICH ARE NOT SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF JSD PRIOR TO ABANDONMENT, REMOVAL, OR CONNECTION TO THE PROPOSED STORM SEWER SYSTEM. PROPOSED ROOF LEADERS FOR NORTHERLY SIDE OF ADDITION TO DRAIN TO SPLASH BLOCKS AND THEN OVERFLOW TO INTO PROPOSED STORM SEWER SYSTEM OR BE DIRECTLY TIED INTO PROPOSED STORM SEWER SYSTEM.

POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET THE REQUIREMENTS OF AWMA STANDARD C-900, CLASS 150, DR-18, WITH CAST IRON O.D. AND METALLIC ELASTOMERIC BELL AND SPIGOT JOINTS. NON-METALLIC WATER MAINS SHALL BE INSTALLED WITH BLUE INSULATION TRACER WIRE AND CONFORM WITH DPS 382.30(1)(h).

VALVES AND VALVE BOXES - GATE VALVES SHALL BE AWMA GATE VALVES MEETING THE REQUIREMENTS OF AWMA C-500 AND CHAPTER 8.2.7.2 OF THE "STANDARD SPECIFICATIONS". GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES.

HYDRANTS - HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE VILLAGE OF MUKWONAGO. THE DISTANCE FROM THE GROUND LINE TO THE CENTERLINE OF THE LOWEST NOZZLE AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18-INCHES AND NO GREATER THAN 23-INCHES (SEE DETAIL).

10-GAUGE TRACER WIRE SHALL BE INSTALLED ALONG THE ENTIRE LENGTH OF ALL PRIVATE WATER MAINS, HYDRANT LEADS, FIRE DEPARTMENT CONNECTION LEADS AND LATERALS. THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE AT THE BUILDING WALL AND ALL OTHER SYSTEM LIMITS AND ENCLOSED IN RISER BOX WITH "WATER" ON THE COVER.

BEDDING AND COVER MATERIAL - PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.4.3.2 OF THE "STANDARD SPECIFICATIONS".

THREUST BLOCKS SHOULD BE USED WHEREVER NECESSARY TO PREVENT SEPARATION OF JOINTS AND PIPE MOVEMENT. JOINT RESTRAINTS MAY ALSO BE USED AS APPLICABLE.

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

WATERMAIN SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND INSTALLATION OF INSULATION SHALL BE CONFORMING WITH CHAPTER 4.17.0 "INSULATION" OF THE "STANDARD SPECIFICATIONS".

ALL NEW ON-SITE STORM AND WATER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.

THE CONTRACTOR SHALL CONTACT THE VILLAGE OF MUKWONAGO 48-HOURS IN ADVANCE TO COORDINATE CONNECTION TO THE MUNICIPAL SYSTEM.

SANITARY SEWER SPECIFICATIONS -

PIPE - SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.

BEDDING AND COVER MATERIAL - BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.4.3.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT."

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

MANHOLES - MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE VILLAGE OF MUKWONAGO.

MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROOFING OR EQUAL.

WATER MAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND PLACING OF INSULATION SHALL CONFORM TO CHAPTER 4.17.0 "INSULATION" OF THE "STANDARD SPECIFICATIONS".

TRACER WIRE SHALL BE INSTALLED ALONG THE SANITARY SEWER SERVICE. THE TRACER WIRE SHALL BE CONTINUOUS AND SHALL BE EXTENDED ABOVE GRADE VIA A 4-INCH PVC PIPE WITH SOFT-W-ON CAP ADJACENT TO THE PROPOSED TERMINATION POINT OF THE LATERAL FOR THE PROPOSED BUILDING.

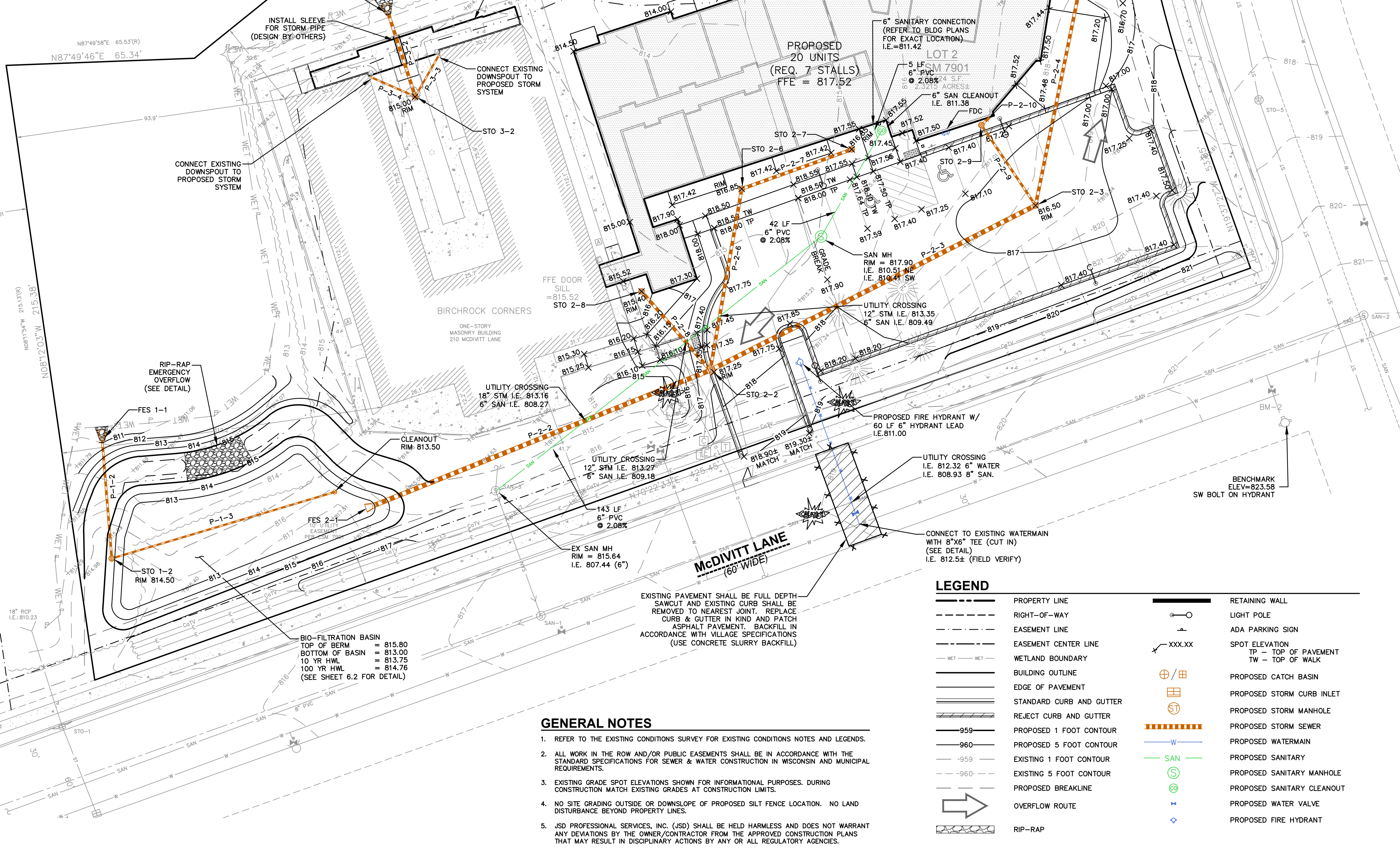
ALL NEW ON-SITE SANITARY, STORM AND WATER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.

THE CONTRACTOR SHALL CONTACT THE VILLAGE OF MUKWONAGO 48-HOURS IN ADVANCE OF WATER CONNECTIONS TO THE CITY-OWNED SYSTEM TO SCHEDULE INSPECTIONS.

UTILITY AS-BUILT PLANS DRAWINGS PREPARED TO VILLAGE STANDARDS ARE REQUIRED PRIOR TO OCCUPANCY PERMIT ISSUANCE. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING AND REPORTING ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS TO THE ENGINEER AS WORK PROGRESSES.

ANY EXISTING SANITARY SEWER LATERALS THAT ARE TO BE RE-USED MUST BE TELEVIEWED AND THE REPORTS PROVIDED THE CITY FOR REVIEW, AND ANY LATERAL DEFICIENCIES WILL BE REQUIRED TO BE CORRECTED.

ANY EXISTING WATER OR SEWER LATERALS THAT WILL NOT BE RE-USED MUST BE ABANDONED AT THE MAIN.



GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES, DURING CONSTRUCTION MATCH EXISTING DATA AT CONSTRUCTION LIMITS.
- NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
- JSD PROFESSIONAL SERVICES, INC. (JSD) SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

LEGEND

PROPERTY LINE	RETAINING WALL
RIGHT-OF-WAY	LIGHT POLE
EASEMENT LINE	ADA PARKING SIGN
EASEMENT CENTER LINE	SPOT ELEVATION
WETLAND BOUNDARY	TW = TOP OF WALK
BUILDING OUTLINE	PROPOSED CATCH BASIN
EDGE OF PAVEMENT	PROPOSED STORM CURB INLET
STANDARD CURB AND GUTTER	PROPOSED STORM MANHOLE
REJECT CURB AND GUTTER	PROPOSED STORM SEWER
PROPOSED 1 FOOT CONTOUR	PROPOSED WATERMAIN
PROPOSED 5 FOOT CONTOUR	PROPOSED SANITARY
EXISTING 1 FOOT CONTOUR	PROPOSED SANITARY MANHOLE
EXISTING 5 FOOT CONTOUR	PROPOSED SANITARY CLEANOUT
PROPOSED BREAKLINE	PROPOSED WATER VALVE
OVERFLOW ROUTE	PROPOSED FIRE HYDRANT
RIP-RAP	

GRADING AND SEEDING NOTES

- THE CONTRACTOR SHALL FIELD VERIFY THE FOLLOWING:
 - ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK.
 - LOCATION AND ELEVATION OF:
 - EXISTING PIPE INVERTS
 - CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK
 - HORIZONTAL CONTROL BY REFERENCE SHOWN COORDINATES TO KNOWN PROPERTY LINES.
- NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
- ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE JSD PROFESSIONAL SERVICES, INC. (JSD) PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD ATTEMPTS TO PROVIDE A COST-EFFECTIVE APPROACH TO DESIGN EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS INCLUDING SAFETY, AESTHETICS AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
- THE CONTRACTOR MAY SOLICIT APPROVAL FROM JSD/OWNER TO ADJUST FINAL GRADES FROM DESIGN GRADES TO PROVIDE AN OVERALL SITE BALANCE AS A RESULT OF FIELD CONDITIONS.
- ALL UNSURFACED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL AND BE SEEDED, MULCHED AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- THIS GRADING PLAN IS BASED ON A TOPOGRAPHIC SURVEY. SOME FIELD ADJUSTMENTS MAY BE NECESSARY AT POINTS WHERE PROPOSED GRADES MEET EXISTING. REVIEW ANY REQUIRED CHANGES WITH JSD PRIOR TO CONSTRUCTION OF WORK.
- PROPERTY CORNER MARKERS SHALL BE CAREFULLY PROTECTED. MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- PROPOSED CONTOURS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. ALL CONSTRUCTION SHALL BE BASED UPON PROPOSED SPOT ELEVATIONS WHERE PROVIDED.
- PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES LOCATED ALONG THE FLANGE LINE, NOT TOP OF CURB GRADES, UNLESS OTHERWISE NOTED.
- ALL EXCAVATIONS AND MATERIAL PLACEMENT SHALL BE COMPLETED TO DESIGN ELEVATIONS AS DEPICTED IN THE PLANS.
- GRADING ACTIVITIES SHALL BE IN A MANNER TO ALLOW POSITIVE DRAINAGE ACROSS DISTURBED SOILS, WHICH MAY INCLUDE EXCAVATION OF TEMPORARY DITCHES TO PREVENT PONDING, AND IF NECESSARY, PUMPING TO ALLEVIATE PONDING. CONTRACTOR SHALL PREVENT SURFACE WATER FROM ENTERING INTO EXCAVATIONS, IN NO WAY SHALL OWNER BE RESPONSIBLE FOR REMEDIATION OF UNSUITABLE SOILS OR CREATED/ORIGINATED AS A RESULT OF IMPROPER SITE GRADING OR SEQUENCING. CONTRACTOR SHALL SEQUENCE GRADING ACTIVITIES TO LIMIT EXPOSURE OF DISTURBED SOILS DUE TO WEATHER.
- THE CONTRACTOR IS RESPONSIBLE FOR MEETING MINIMUM COMPACTION STANDARDS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR SITE COMPACTION REQUIREMENTS. CONTRACTOR SHALL NOTIFY ENGINEER/OWNER IF PROPER COMPACTION CANNOT BE OBTAINED. THE PROJECT'S GEOTECHNICAL CONSULTANT SHALL DETERMINE WHICH IN-SITU SOILS ARE TO BE CONSIDERED UNSUITABLE SOILS. THE ENGINEER/OWNER AND GEOTECHNICAL TESTING CONSULTANT WILL DETERMINE IF REMEDIAL MEASURES WILL BE NECESSARY.
- IN THE EVENT THAT ANY MOISTURE-DENSITY TEST(S) FAIL TO MEET SPECIFICATION REQUIREMENTS, THE CONTRACTOR SHALL PERFORM CORRECTIVE WORK AS NECESSARY TO BRING THE MATERIAL INTO COMPLIANCE AND RETEST THE FAILED AREA AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY JSD/OWNER IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ADEQUATE AND SAFE TEMPORARY SHORING, BRACING, RETENTION STRUCTURES, AND EXCAVATIONS.
- THE SITE SHALL BE COMPLETED TO WITHIN 0.10-FT (+/-) OF THE PROPOSED GRADES AS INDICATED WITHIN THE PLANS PRIOR TO PLACEMENT OF TOPSOIL OR STONE. CONTRACTOR IS ENCOURAGED TO SEQUENCE CONSTRUCTION SUCH THAT THE SITE IS DIVIDED INTO SMALLER AREAS TO ALLOW STABILIZATION OF DISTURBED SOILS IMMEDIATELY UPON COMPLETION OF INDIVIDUAL SMALLER AREAS.
- CONTRACTOR SHALL CONTACT "DIGGER'S HOTLINE" FOR LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DURING CONSTRUCTION.
- WORK WITHIN ANY ROADWAY RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE AUTHORITY HAVING JURISDICTION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FEES. GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID AUTHORITY. GRADING FOR REMEDIATION OF UNSUITABLE SOILS OR CREATED/ORIGINATED AS A RESULT OF IMPROPER SITE GRADING OR SEQUENCING, RESTORATION SHALL INCLUDE WITHIN RIGHT-OF-WAY IN-KIND INCLUDING LANDSCAPING.
- CONTRACTOR SHALL COMPLY WITH ALL CITY AND/OR STATE CONSTRUCTION STANDARDS/ORDINANCES.
- CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
- ALL DISTURBED AREAS SHALL BE SOODED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SO/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
- CONTRACTOR SHALL WATER ALL NEWLY SOODED/SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
- CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
- ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED WITHIN 2 WEEKS OF DISTURBANCE.
- 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 30 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 VILLAGE OF MUKWONAGO ORDINANCES.

PROPOSED STRUCTURES TABLE					
LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
FES 1-1		S INV: 810.83 (8')		8 IN HDPE FES	
FES 2-1		E INV: 813.00 (18')		18 IN HDPE FES	
FES 2-5		S INV: 815.40 (12')		12 IN HDPE FES	
STO 1-2	814.50	N INV: 811.00 (8') E INV: 811.00 (6')	3.0	36 IN CB (FLAT)	R-2565-G
STO 2-2	817.25	W INV: 813.25 (18') NE INV: 813.25 (18') NW INV: 813.25 (12') N INV: 813.25 (12')	4.0	72 IN MH (FLAT)	R-3067 TYPE R
STO 2-3	816.50	SW INV: 813.50 (18') N INV: 813.50 (12') NW INV: 813.50 (6')	3.0	60 IN MH (FLAT)	R-2501 TYPE D
STO 2-4	816.45	S INV: 813.88 (12') N INV: 813.88 (12')	2.6	12 IN DB	12 IN DOME GRATE
STO 2-6	816.85	S INV: 813.60 (12') E INV: 813.60 (12')	3.2	24 IN DB	24 IN DOME GRATE
STO 2-7	816.85	W INV: 813.85 (12')	3.0	12 IN DB	12 IN DOME GRATE
STO 2-8	815.40	SE INV: 813.32 (12')	2.1	24 IN DB	24 IN DOME GRATE
STO 2-9	817.35	SE INV: 813.85 (8') NE INV: 813.85 (8')	3.5	12 IN DB	12 IN DOME GRATE
STO 3-1		S INV: 812.50 (12')		12 IN HDPE FES	
STO 3-2	815.00	N INV: 812.65 (12') NE INV: 812.65 (6') NW INV: 812.65 (6')	2.4	24 IN DB	24 IN DOME GRATE

PROPOSED PIPES TABLE					
LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)
P-1-2	STO 1-2	FES 1-1	41'	811.00	810.83
P-1-3	STO 1-2	81'		811.40	810.83
P-2-2	STO 2-2	FES 2-1	125'	813.25	813.00
P-2-3	STO 2-3	STO 2-2	126'	813.50	813.25
P-2-4	STO 2-4	STO 2-3	94'	813.88	813.50
P-2-5	FES 2-5	STO 2-4	86'	815.40	813.88
P-2-6	STO 2-6	STO 2-2	64'	813.60	813.25
P-2-7	STO 2-7	STO 2-6	41'	813.85	813.60
P-2-8	STO 2-8	STO 2-2	36'	813.32	813.25
P-2-9	STO 2-9	STO 2-3	34'	813.85	813.50
P-2-10	Downspout	STO 2-9	4'	813.90	813.85
P-3-2	STO 3-2	STO 3-1	30'	812.65	812.50
P-3-3	Downspout	STO 3-2	17'	812.83	812.65
P-3-4	Downspout	STO 3-2	17'	812.83	812.65



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WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:



CLIENT ADDRESS:
210 McDEVITT LANE
MUKWONAGO, WI 53149

PROJECT:
**BIRCHROCK CASTLE
ADDITION**

PROJECT LOCATION:
**VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN**

PLAN MODIFICATIONS:		
#	Date:	Description:
1	12/12/2019	Revised per Village Comments
2	02/06/2020	Rev. per VII & WDNR Comments
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15		

Design/Drawn: CAP
Approved: DMR
Date: 11/06/2019
SHEET TITLE:
**GRADING AND UTILITY
PLAN**

SHEET NUMBER:

C5.0

JSD PROJECT NO: 19-9231

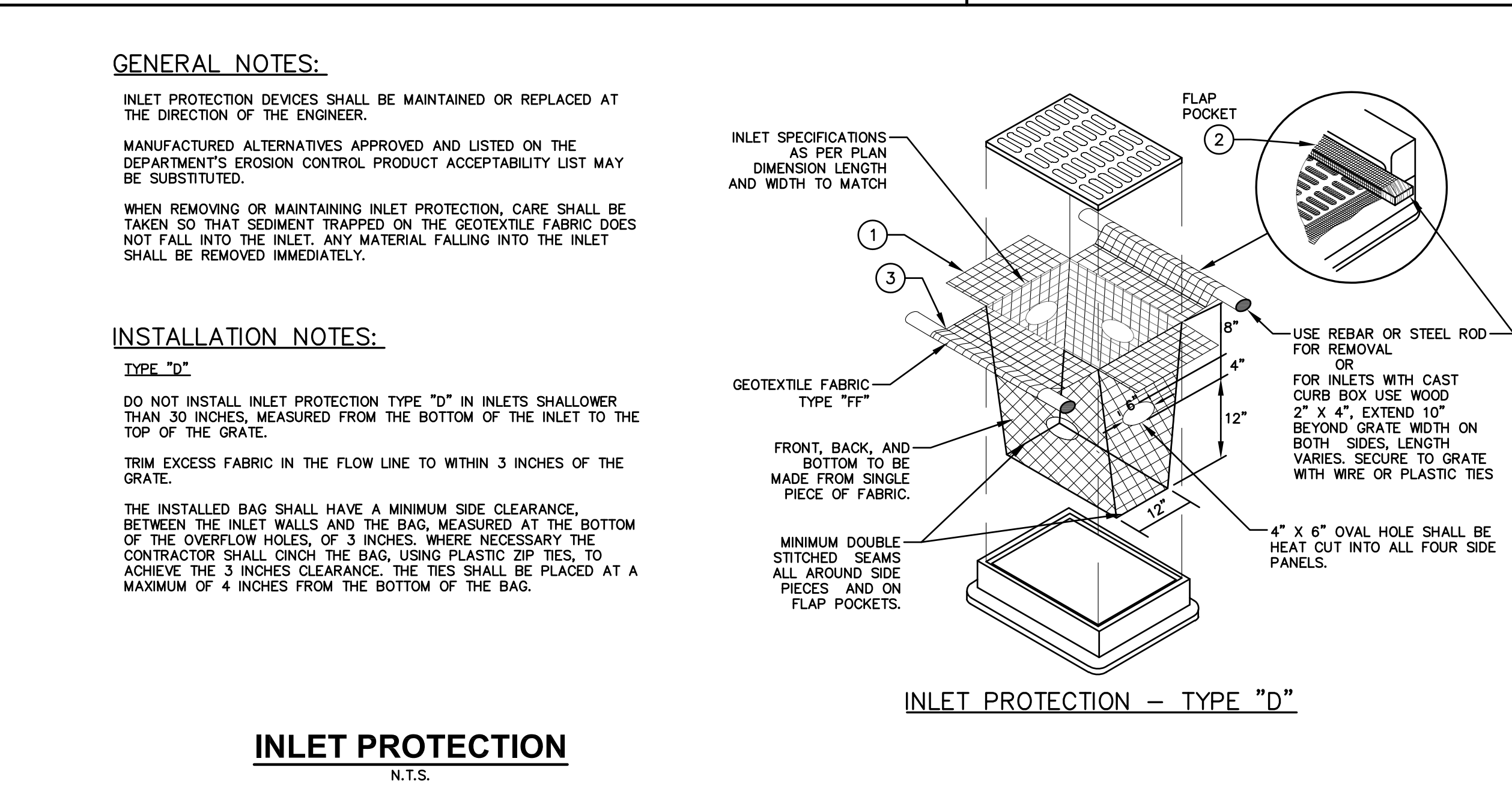
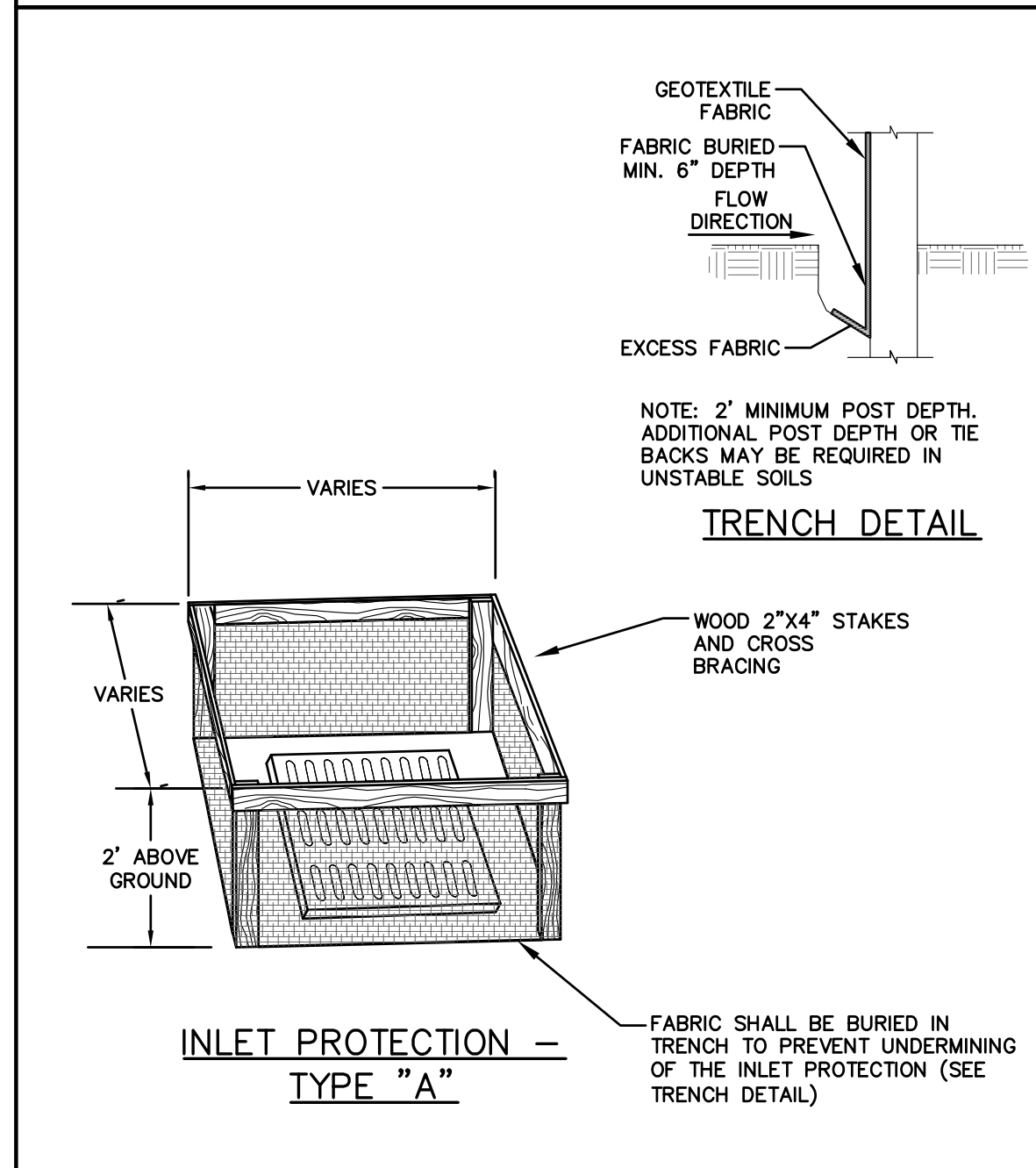
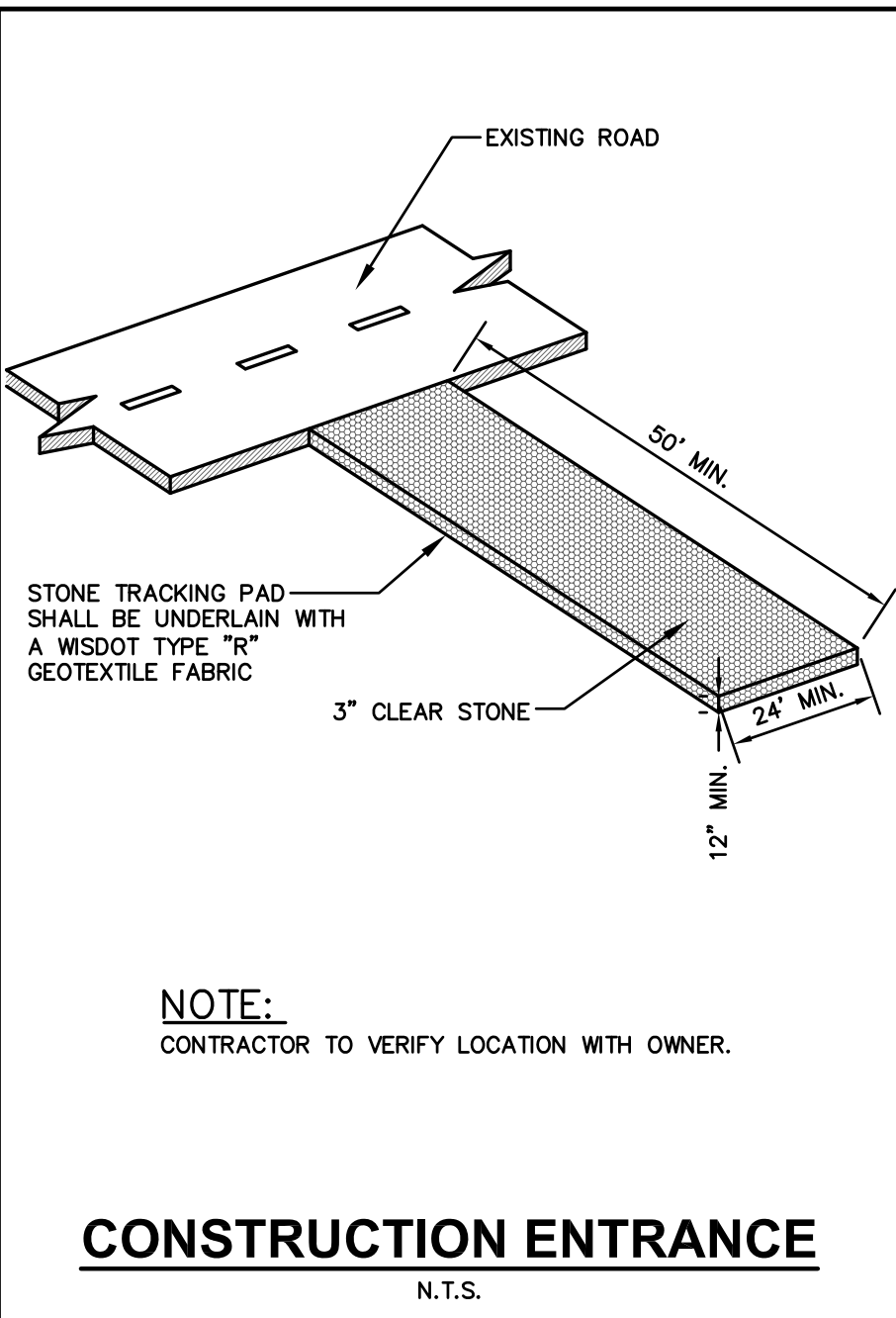
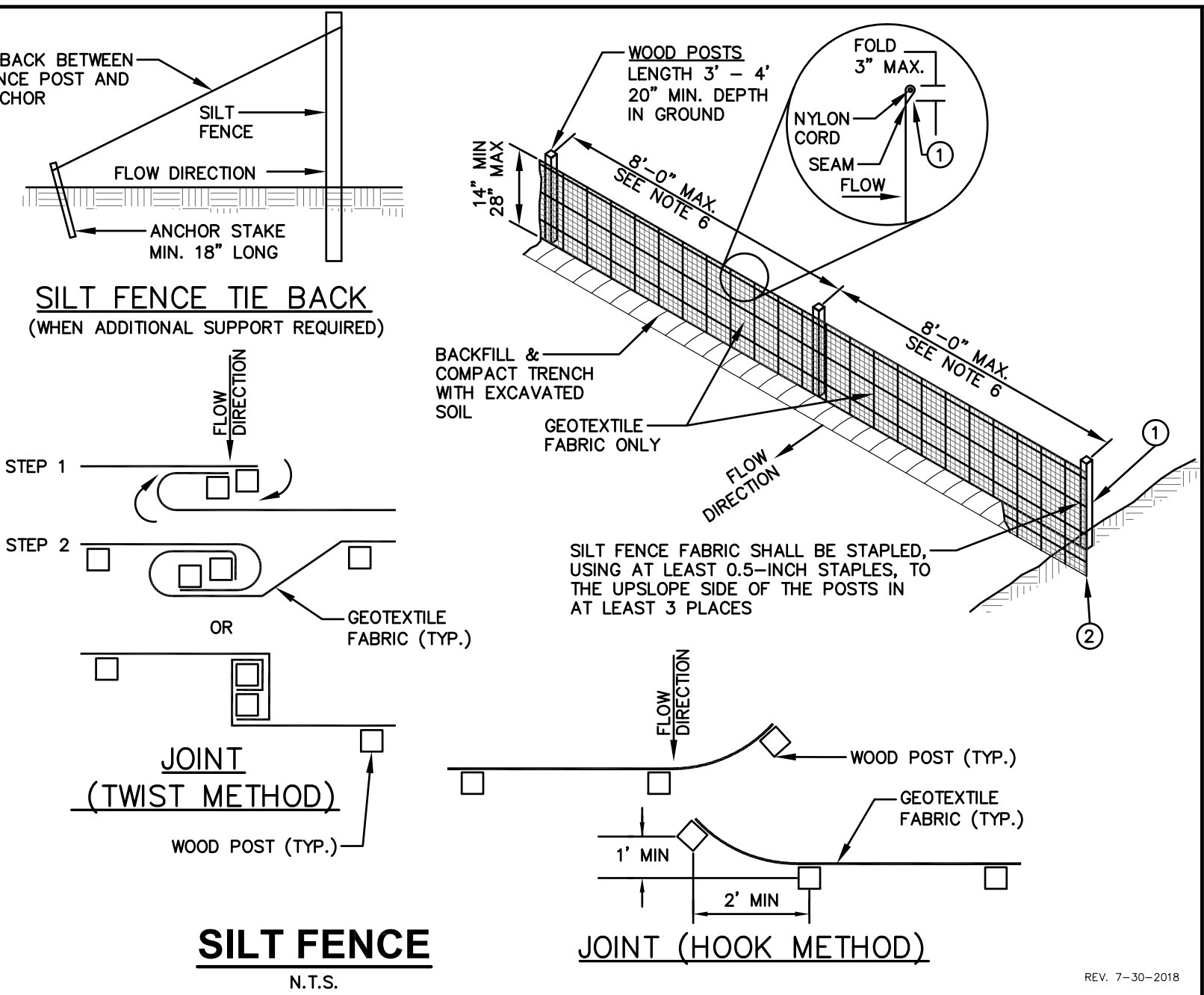
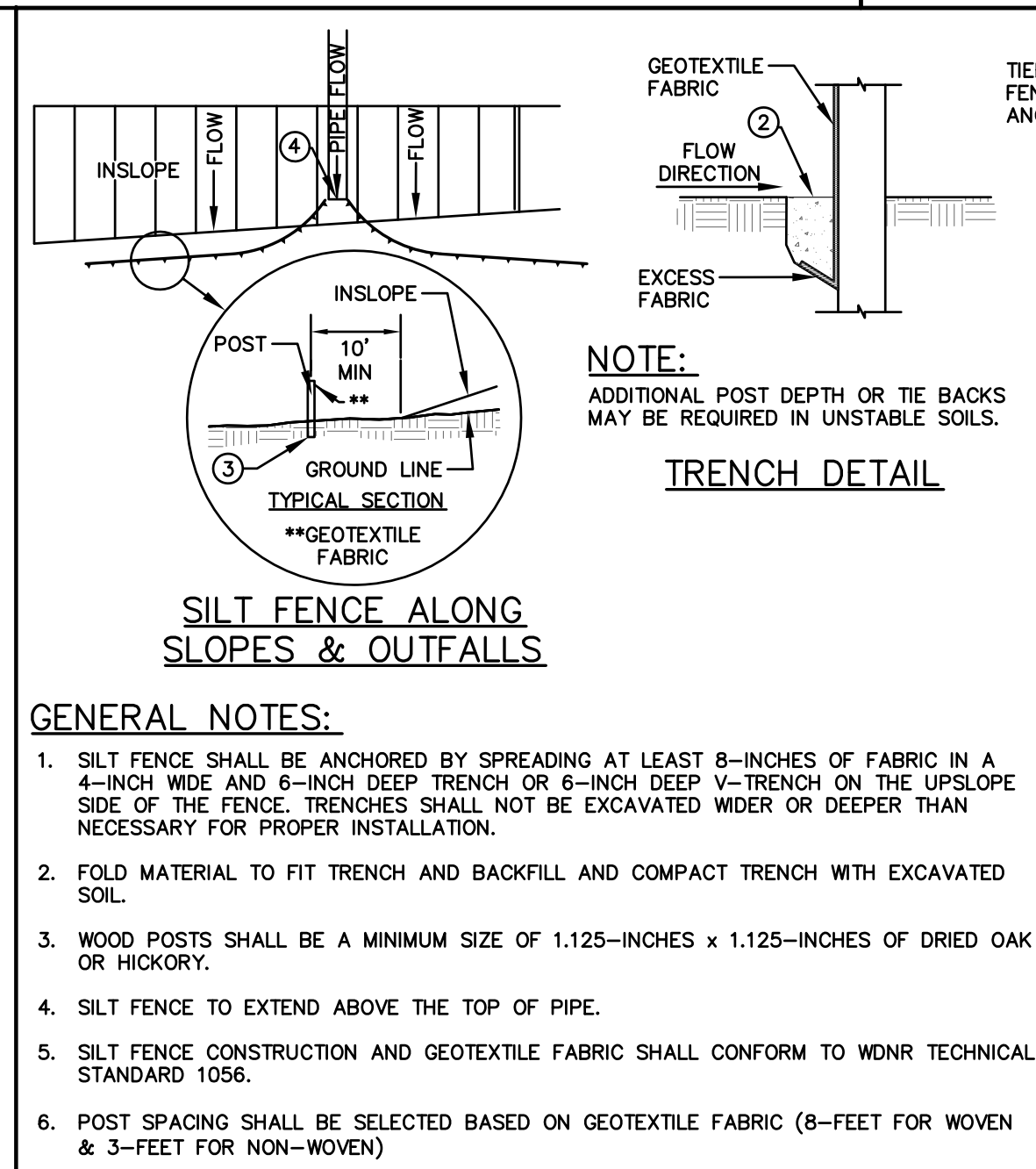
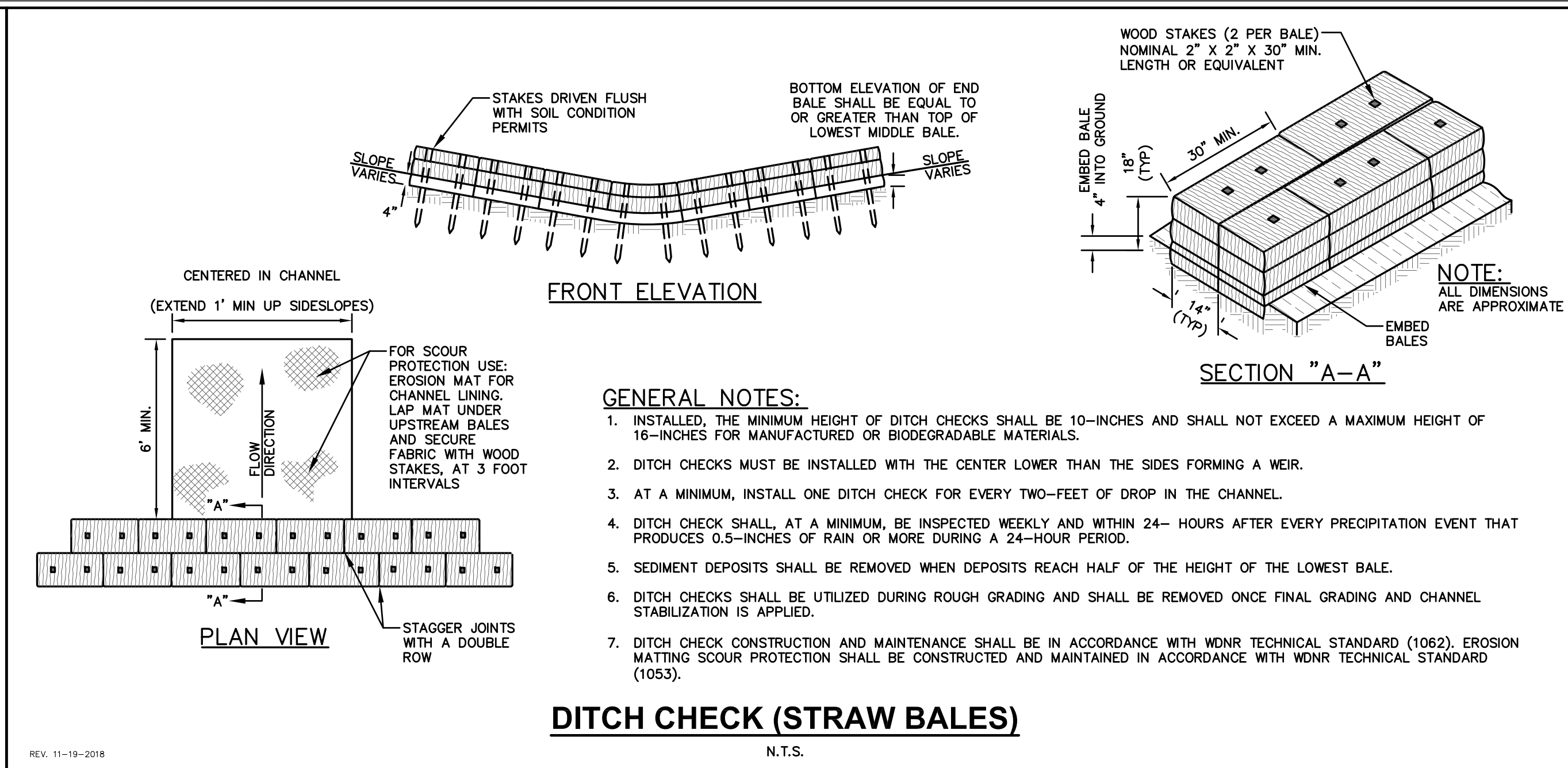
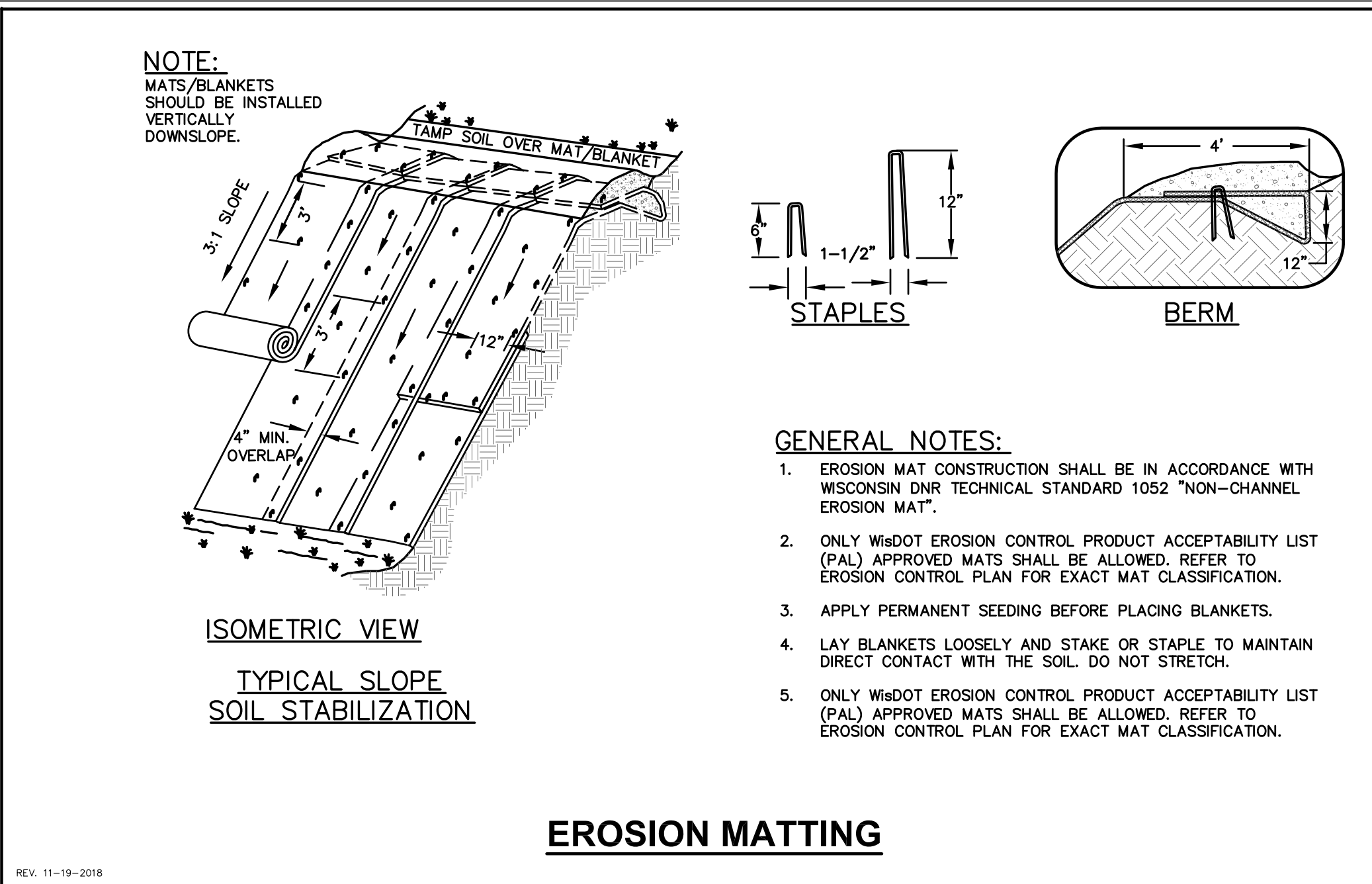


Table 1 - Prescriptive Compliance Area Soil Stabilization				
Prescriptive Compliance Areas	Bare Soil	Slope & Channel Management	Periods of Inactivity	Final Grade
Soil stockpiles that will exist for more than 7 days	Areas that Do Not Drain to Sediment Basins or Traps Limit the duration of soil exposure to no more than 30 days.	General Design and implement approved soil stabilization practices per DNR technical standards.	Planned Inactivity Stabilize immediately if area will be left inactive for more than 14 days.	Permanent Features Stabilize area immediately after reaching final grade.
Utility trench backfills	Areas that Drain to Sediment Basins or Traps Limit the duration of soil exposure to no more than 90 days. However, use the duration from the soil loss and sediment discharge calculations for the other areas of the site if less than 90 days.	Refer to WisDOT Slope & Channel Matrices for appropriate slope and slope length conditions. Slopes Steeper than 20% Provide stable diversion of off-site runoff around the slope. Provide slope interruption devices in accordance with Manufactured Perimeter Control & Slope Interruption Products Technical Standard 1071 or equivalent methods to reduce uninterrupted slope length.	Unplanned Inactivity Stabilize area immediately if period of inactivity reaches 14 days.	Temporary Features Stabilize area immediately after establishment of temporary feature or reaching specified temporary grade.
Temporary ditches/swales that will exist for more than 7 days				
Permanent ditches/swales				
Small areas - Less than 1 acre and less than 1% of site				
Discrete areas - Less than 1 acre				
Storm water practice side slopes				
Slopes steeper than 20%				

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WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:

CLIENT ADDRESS:
210 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:
BIRCHROCK CASTLE
ADDITION

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

PLAN MODIFICATIONS:

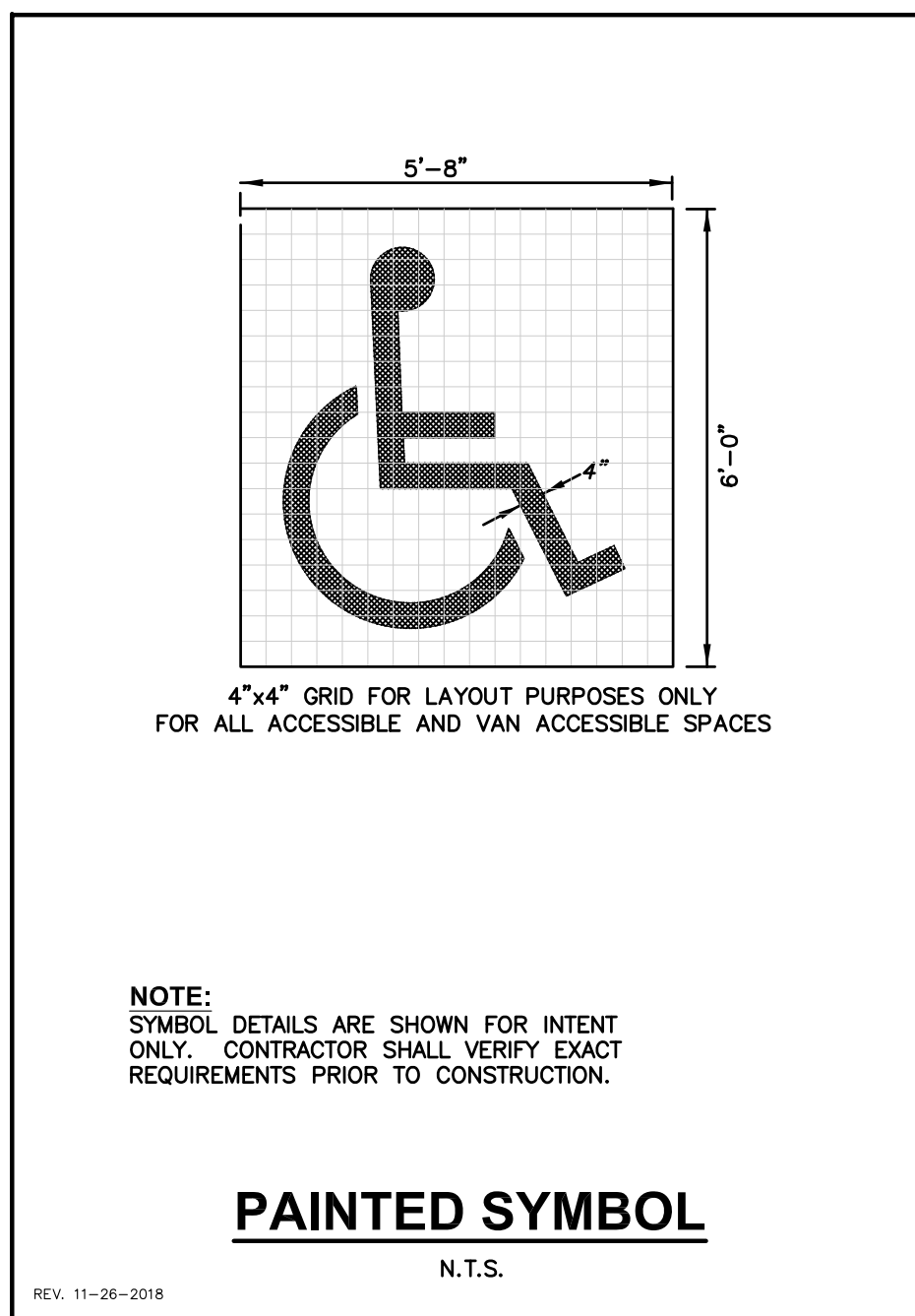
#	Date	Description
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2	01/29/2020	PER WDNR COMMENTS
3	02/06/2020	Rev. per VIII. & WDNR Comment
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Design/Drawn: CAP
Approved: DSR
Date: 11/06/2019

SHEET TITLE:
DETAILS

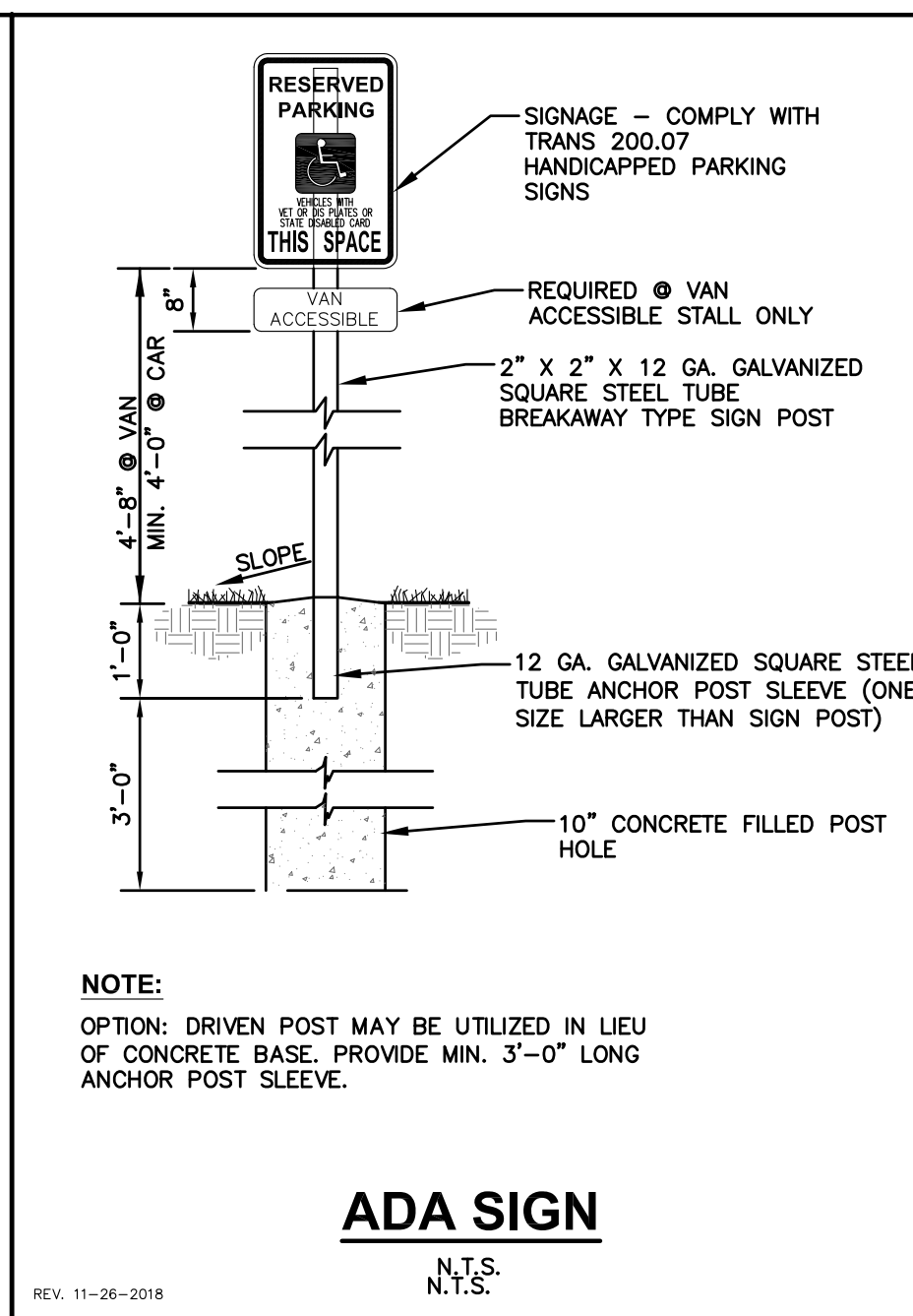
SHEET NUMBER:
C6.0

JSD PROJECT NO: 19-0231



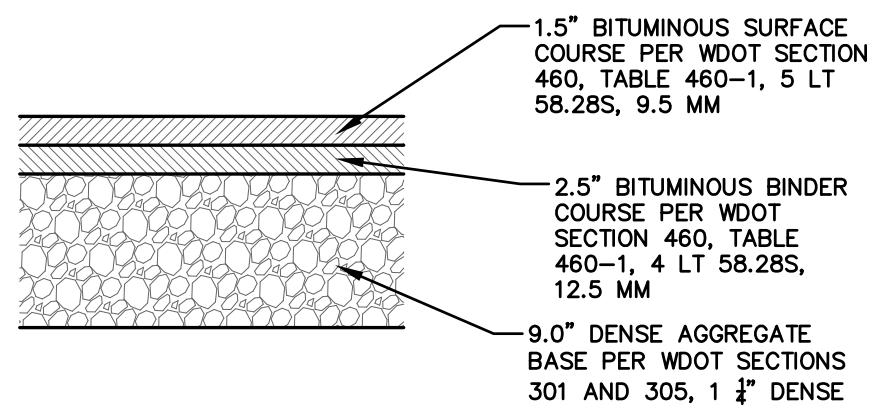
PAINTED SYMBOL
N.T.S.

REV: 11-26-2018

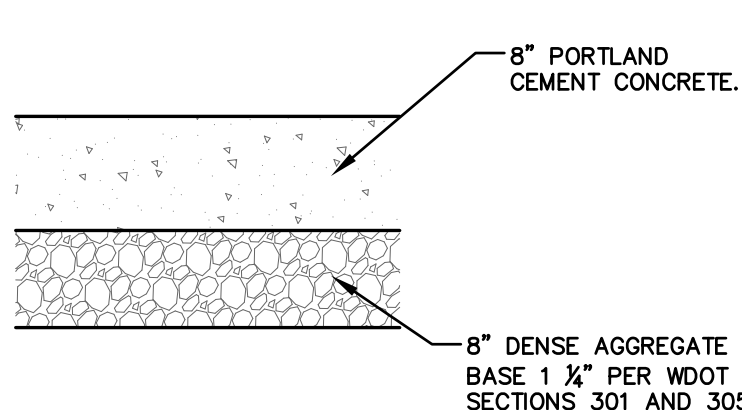


ADA SIGN
N.T.S.

REV: 11-26-2018



STANDARD ASPHALT PAVEMENT SECTION



CONCRETE PAVEMENT SECTION

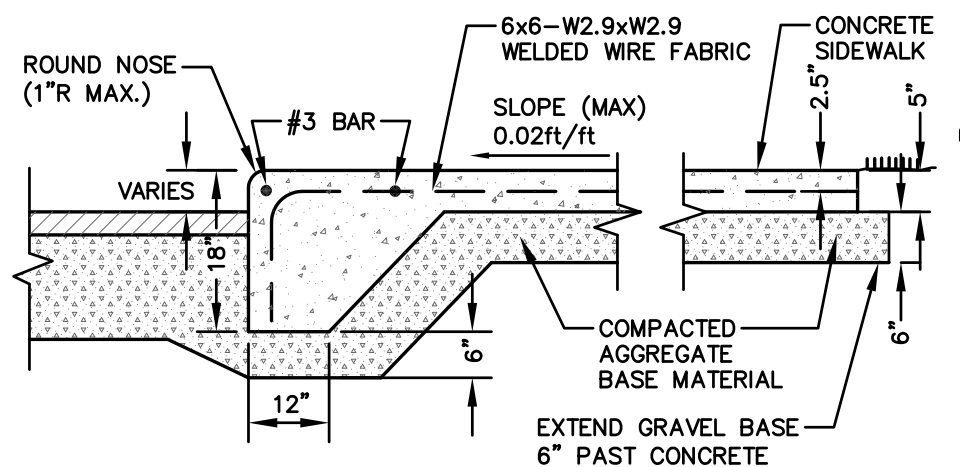
GENERAL NOTES:

1. REFER TO PAVEMENT RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT. IF THERE ARE ANY DISCREPANCIES BETWEEN THIS DETAIL AND THE PAVEMENT RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL INVESTIGATION REPORT, THE GEOTECHNICAL REPORT SHALL GOVERN.
2. WSDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS:
 - BITUMINOUS CONCRETE: REFER TO SECTION 460-3.
 - BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.
3. CONCRETE EQUIPMENT PADS SHALL HAVE A MINIMUM 6" THICK PORTLAND CEMENT CONCRETE OVER COMPACTED 6" THICK DENSE GRADED BASE WITH REINFORCEMENT FOR CRACK CONTROL.

PAVEMENT SECTIONS
N.T.S.

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE CONTRACTION JOINTS IN SIDEWALKS AT 5' ON CENTER.
2. CONTRACTOR SHALL PROVIDE 1/4" EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 35' ON CENTER. EXTEND JOINT FILLER FULL DEPTH OF SIDEWALK.
3. CONTRACTOR SHALL PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS.



THICKENED EDGE SIDEWALK
N.T.S.

TAPER CURB HEAD
N.T.S.

REV: 5-19-2017

CURB WEIR
N.T.S.

REV: 5-19-2017

ADA ACCESSIBLE RAMP
N.T.S.

REV: 11-20-2018

THICKENED EDGE PATIO & CURB
N.T.S.

REV: 12-17-2018

18" STANDARD CURB & GUTTER
N.T.S.

REV: 12-17-2018

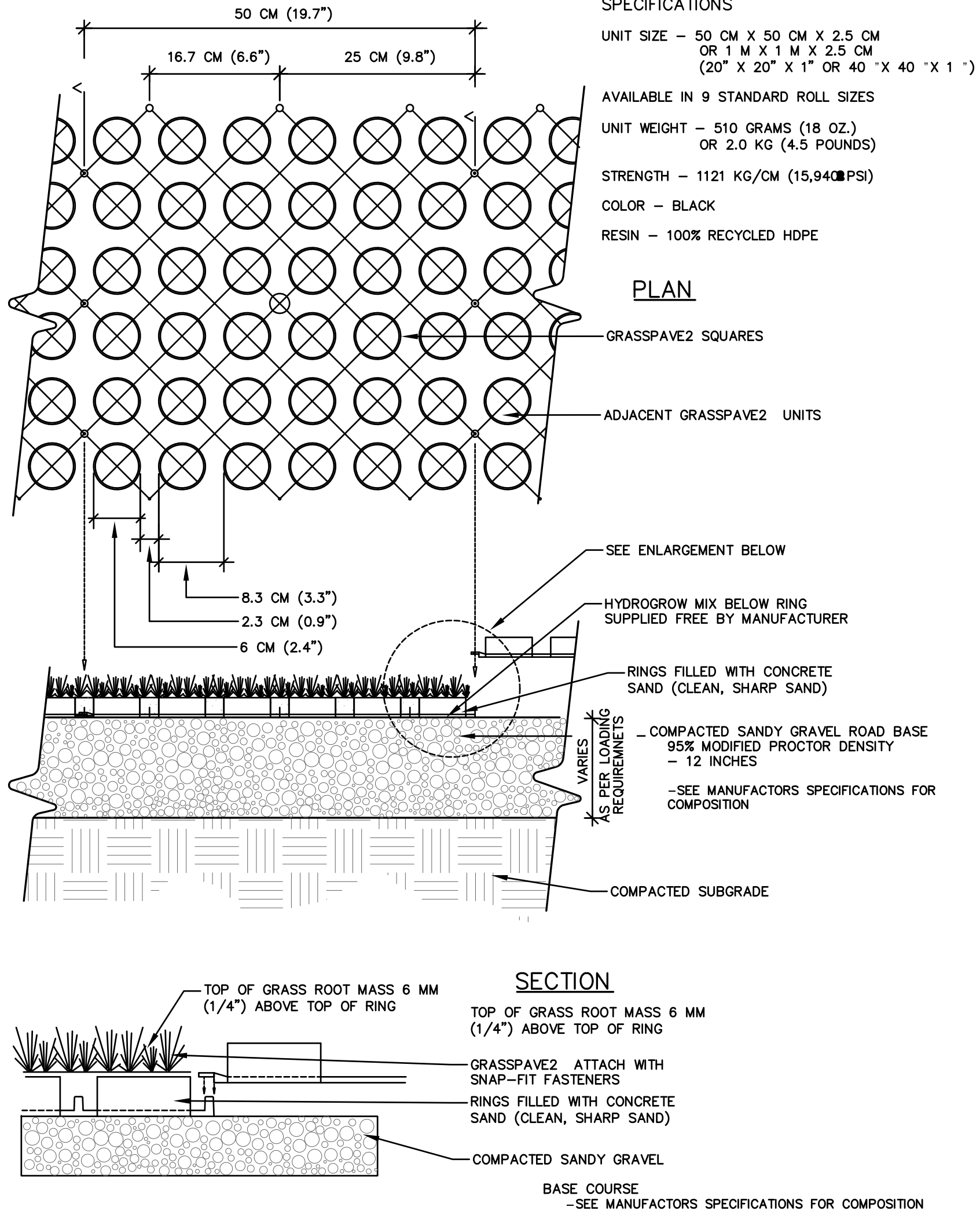
18" REJECT CURB & GUTTER
N.T.S.

REV: 12-17-2018

GRASSPAVE2
N.T.S.

16265 E. 33RD DR., SUITE 20
AURORA, COLORADO 80011
800-233-1510 OR 303-233-8383
FAX: 800-233-1522 OR
303-233-8282
www.invaluablestructures.com
rev. 1/18

NOTE: GRASS/PLANT TYPES SHALL BE SPECIFIED BY A LANDSCAPE ARCHITECT OR LANDSCAPE DESIGNER.



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COEUR D'ALENE

MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:

Castle Senior Living

CLIENT ADDRESS:
210 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:
BIRCHROCK CASTLE ADDITION

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

#	Date	Description
1	12/12/2019	Revised per City Comments
2	02/06/2020	Rev. per VIII. & WDNR Comments
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Design/Drawn: CAP
Approved: DSR
Date: 11/06/2019

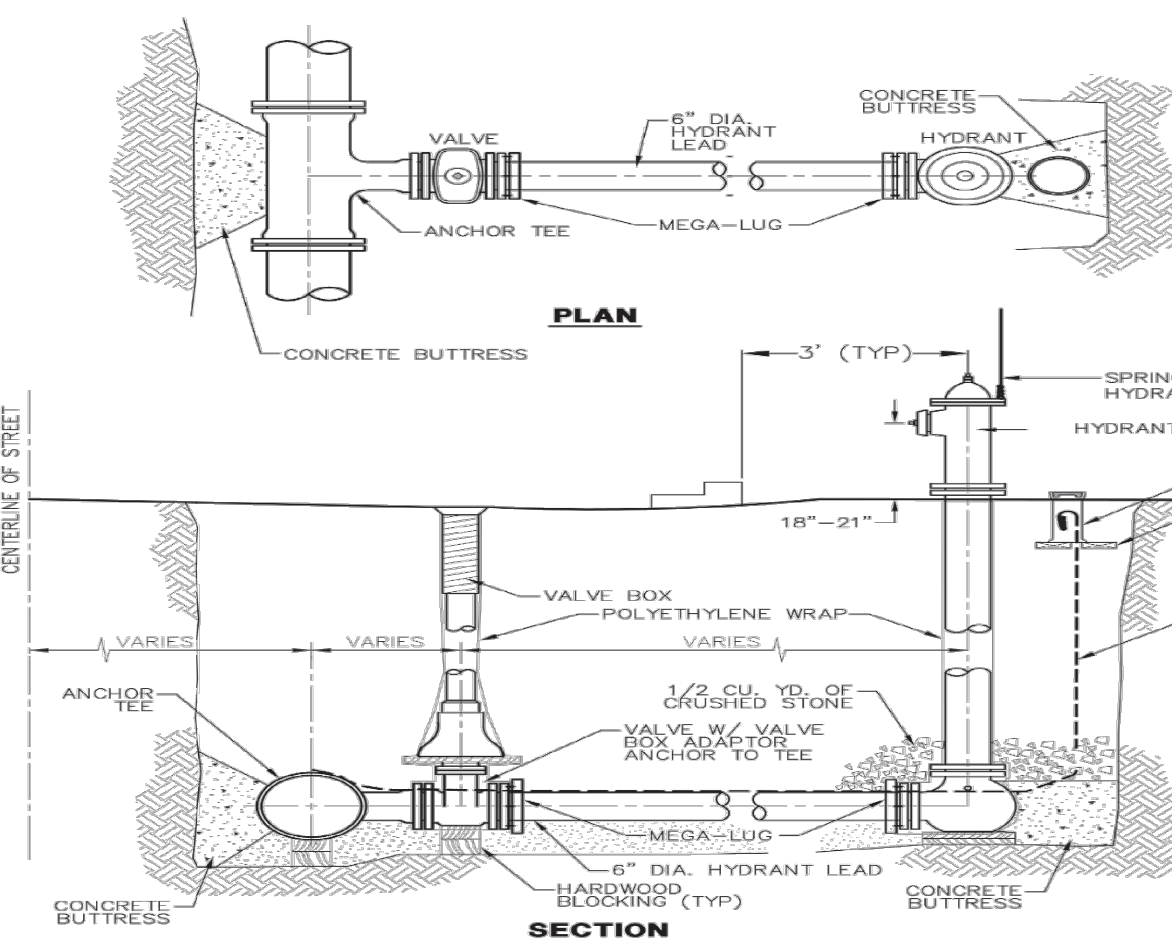
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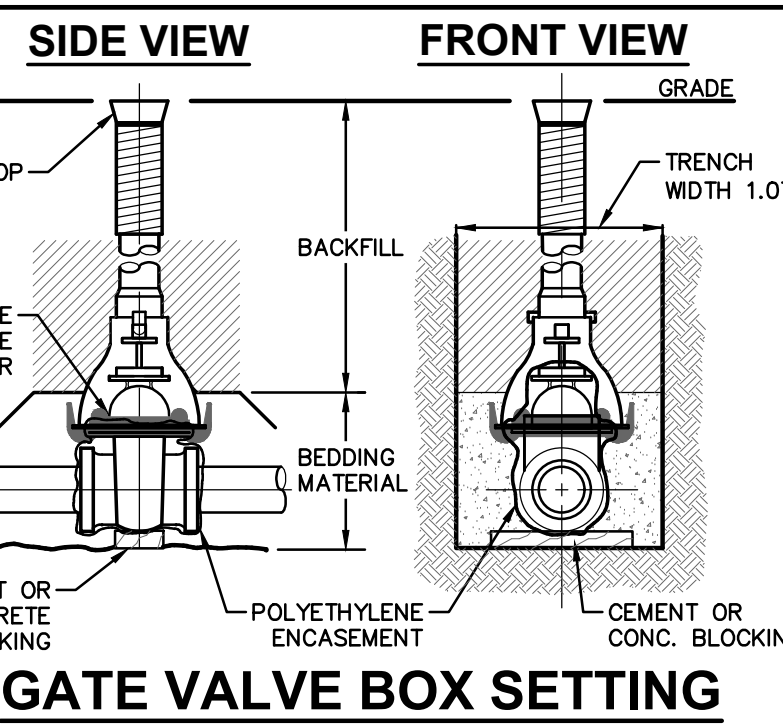
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JSD PROJECT NO:

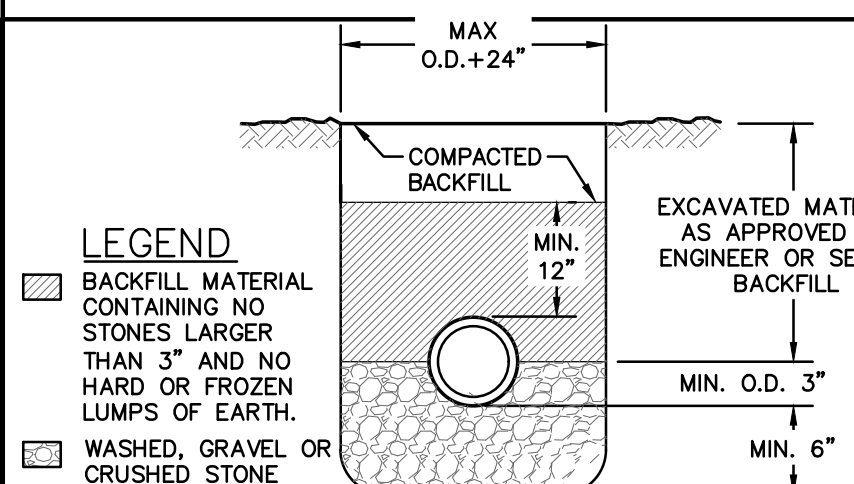
19-0231



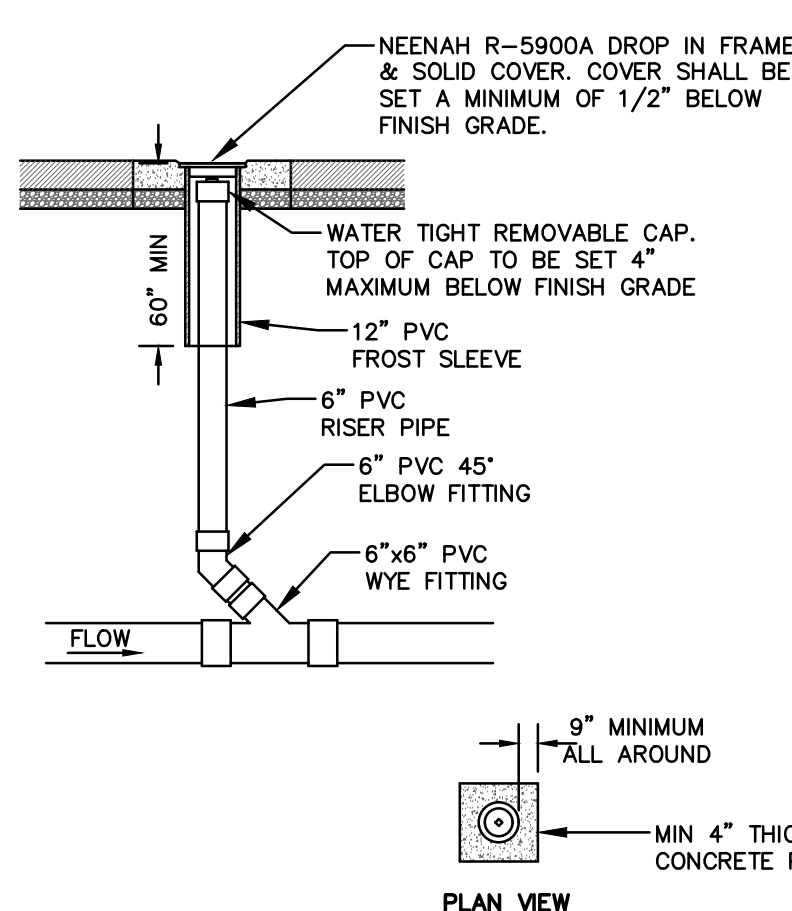
WATERMAIN BEDDING
N.T.S.



GATE VALVE BOX SETTING
N.T.S.



**STORM & SANITARY SEWER
BEDDING**
N.T.S.

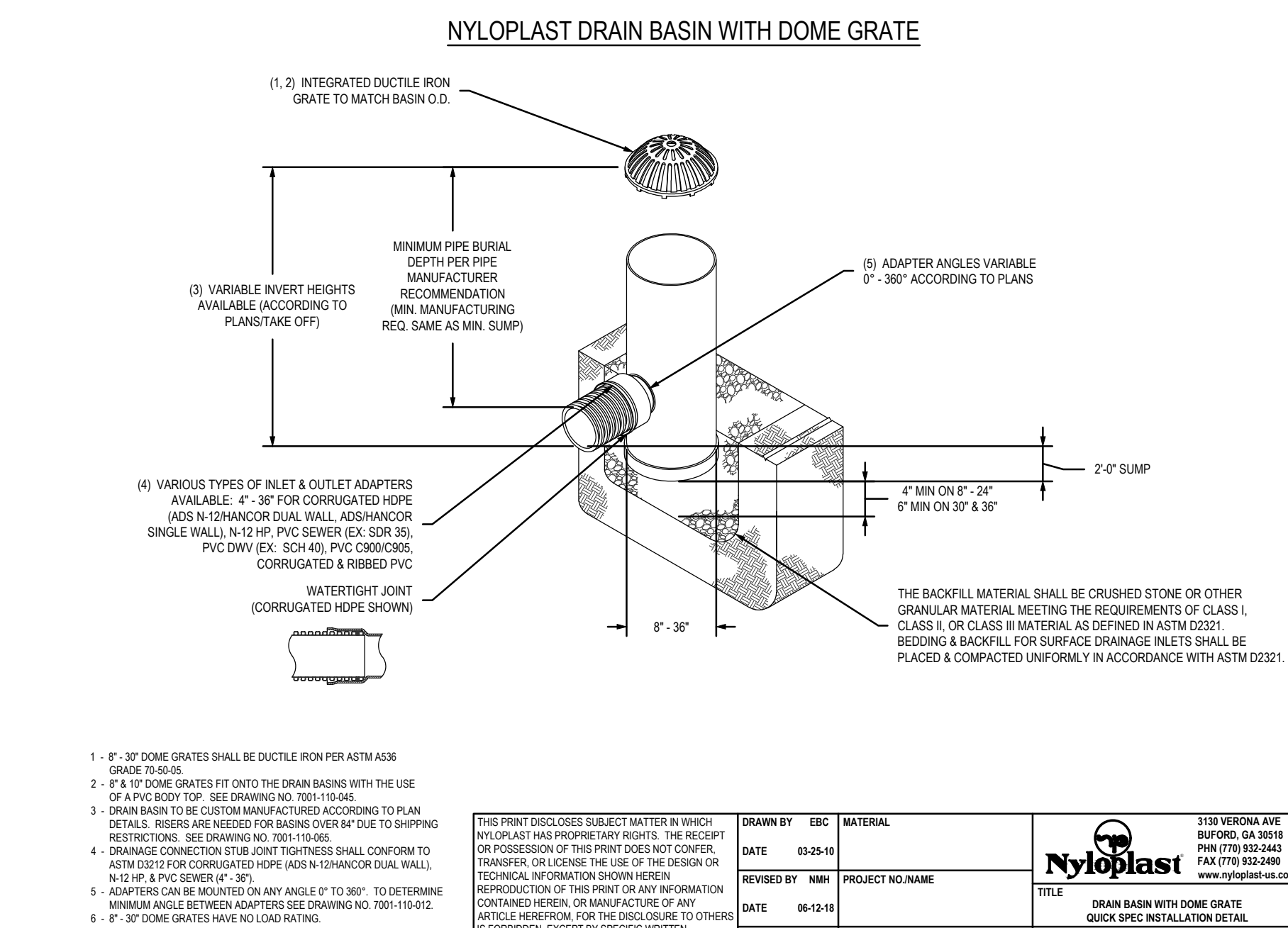


SANITARY SEWER CLEANOUT
N.T.S.

Comm Table 82.35

Dip of Lateral	Min Dia of Cleanout Riser	Min Dia of Riser Cap
1.5	1.5	1.5
2	1.5	1.5
3	2	2
4	2.5	2.5
5	3	3
6	4	4
8+	5	5

Neenah Grates
R-5900A 12-inch Pipe



Memorandum

To: Peter W. Gesch, P.E.
From: David S. Roberts, P.E.
Re: 210 McDivitt Lane CBRF Addition
JSD Project #: 19-9231
Date: 02/06/2020
cc: Mr. Ben Kohout, Village Planner
John Weidl, Village of Mukwonago
Diana Dkystra, Village of Mukwonago
Bob Harley, Village of Mukwonago
Mark G. Blum, Village of Mukwonago
Dave Brown, Village of Mukwonago
Ron Bittner, Village of Mukwonago
Chief Jeff Stien, Village of Mukwonago
Chief Kevin Schmidt, Village of Mukwonago
Jerad J. Wegner, P.E., Ruekert & Mielke, Inc.
Kris Kiefer, RN, Castle Senior Living

We have reviewed your comments dated January 6, 2020, our subsequent conversations and have revised the attached Improvement Plans and Storm Water Management Report for 210 McDivitt Lane Birchrock Addition within the Village of Mukwonago. The original text of the memo is shown in regular text and our responses are shown in [blue](#):

General Comments

1. In Section 6.0 "Conclusion" of the SWMP, please correct the second to last sentence to be "Village of Mukwonago" and not "City of Pewaukee".
[Section 6.0 has been revised as requested.](#)
2. Please submit a SWMP that is sealed and signed by a Professional Engineer licensed to practice in the State of Wisconsin. This will be needed prior to the SWMP going before the Village Board for approval.
[A copy of the SWMP signed and sealed by a Professional Engineer licensed to practice in the State of Wisconsin has been included with this submittal.](#)
3. Please extract the Storm Water Maintenance Agreement (SWMA) from Appendix 7 of the SWMP. The document can remain in the SWMP, but a separate file will be needed to go before the Village Board for approval.
[As requested, the Storm Water Maintenance Agreement \(SWMA\) has been extracted as a separate file and included as part of this submittal.](#)
4. Please fill in the blank in paragraph 3 of the SWMA.
[The SWMA has been revised to follow the Village's standard format](#)
5. On the signature page of the SWMA, the "This document was drafted by:" section should be updated. While Attorney Blum drafted the template, he did not draft the SWMA for this development.
[The document drafted by section of the SWMA has been updated with my contact information.](#)

6. Please correct the paragraph in Exhibit D of the SWMA to read, “Village of Mukwonago” instead of “City of Mukwonago”. The paragraph also seems to reference the wrong Exhibit. Please review and revisit this paragraph for revisions.

The paragraph in Exhibit D has been revised as requested.

7. The design summary is lacking pertinent design details. Attached to this letter is an example of a typical design summary section that is acceptable to the Village. The design summary should include things like drainage basin characteristics, pond data, rainfall intensities and design storms, storm sewer sizing, and other pertinent data/results that went into designing the storm water features on-site. The design summary also needs to include a water quality summary that includes both TSS and Phosphorus reduction results.

The design summary section of the SWMA has been revised as requested.

February 6, 2020

Mr. Ben Kohout
Village Planner
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

Re: Birchrock Castle Addition
210 McDivitt Lane

Dear Mr. Kohout:

On behalf of our client, Castle Senior Living, we are respectfully requesting an exemption to the Sec. 34-110 Stormwater Management Plan Requirements per subsection (e) to allow the northerly side of the proposed addition to drain to splash blocks then overland into the existing wetland complex to the north and thus not meet Sec. 34-110(d)(1) Peak discharge requirements. In order to capture this area and route it through the proposed biofiltration basin located in the southwest corner of the site, a mechanical system, a series of pipes and a pump and crock, will need to be employed since the existing grade, which was purposely maintained to protect the existing wetland complex, will not allow for the north side of the roof system to tie into the proposed drainage system via gravity. Some concerns with this type of system are the level of maintenance effort required to ensure the system is functioning as designed, the possibility of failure if not maintained, the potential for the system to freeze and lead to failure and of course cost not only in installation but in long term maintenance. In order to offset this the site has been designed to correct and improve other features currently lacking onsite. As you know, the current parking lot drains unimpeded into the existing wetland complex to the north and no stormwater management practices are utilized on-site. As part of our proposed site plan all parking lot water will be captured and treated in accordance with Sec 34-110 of the Village code in the proposed biofiltration basin. In addition, we have improved the site by proposing a Village compliant erosion control plan and stormwater management plan which further protects the existing wetland complex and reduces the existing stormwater flows offsite.

If you have any questions or need additional information please feel free to contact me.

Sincerely,
JSD Professional Services, Inc.



David S. Roberts, P.E.
Senior Project Engineer

STORM WATER MANAGEMENT PLAN

Project:
**Castle Senior Living
Birchrock Castle Addition**
Village of Mukwonago, Wisconsin
JSD Project No: 19-9231

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Surveying & Mapping
Construction Management

NOVEMBER 6, 2019
REVISED December 12, 2019
REVISED February 6, 2020

Prepared for:



JSD Professional Services, Inc. 253
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6.0 CONCLUSION	5



02/07/20

Questions and comments may be directed to:

Isaac Newman, E.I.T.
Staff Engineer
isaac.newman@jsdinc.com

David Roberts, P.E.
Senior Project Engineer
Davic.Roberts@jsdinc.com

Phone: 262.513.0666
Fax: 262.513.1232

JSD Professional Services, Inc.

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Milwaukee Regional Office
W238 N1610 Busse Rd, Suite 100
Waukesha, WI 53188
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APPENDICES

APPENDIX 1 - LOCATION MAP

APPENDIX 2 - SOIL DATA

- USDA SOIL MAP
- WDNR SURFACE WATER DATA VIEWER MAP
- GEOTECHNICAL ENGINEERING EXPLORATION AND ANALYSIS

APPENDIX 3 - EXISTING SITE HYDROLOGY

- EXISTING CONDITIONS HYDROLOGY EXHIBIT
- EXISTING HYDROCAD OUTPUT

APPENDIX 4 - PROPOSED SITE HYDROLOGY

- PROPOSED CONDITIONS HYDROLOGY EXHIBIT
- PROPOSED HYDROCAD OUTPUT

APPENDIX 5 - WATER QUALITY CALCULATIONS

- POST-DEVELOPMENT INPUT SUMMARY
- POST-DEVELOPMENT OUTPUT SUMMARY

APPENDIX 6 - DESIGN DETAILS

- PROPOSED EROSION CONTROL PLAN
- PROPOSED GRADING & UTILITY PLAN
- PROPOSED BIORETENTION BASIN DETAILS
- STORM SEWER SIZING CALCULATIONS
- ANTI-SEEP COLLAR DESIGN

APPENDIX 7 - OPERATION AND MAINTENANCE PLAN

1.0 INTRODUCTION

The proposed CBRF addition will be located along the north side of McDivitt Lane and the west side of Mukwonago Drive in the Village of Mukwonago, Waukesha County, Wisconsin. The site is positioned in the Northwest 1/4 of the Southeast 1/4 of Section 35, Township 5 North, Range 18 East. The site is generally bounded by wetlands to the north and west and roads to the south and east. A location map illustrating the project site has been included in **Appendix 1**.

This Stormwater Management Plan has been created to address runoff rate control, water quality treatment, and infiltration requirements for the proposed CBRF Property.

This stormwater management system has been designed in accordance with Village of Mukwonago Code (Section 34-110 and Section 34-111). The stormwater for the project was designed as a “new development” site with an increase of 19,400 square feet of impervious area. A bio-retention basin will be built in the southwest corner of the site with the outlet being discharged into the wetlands. 430 linear feet of storm sewer will be installed to route the stormwater into the bio-basin.

The proposed expansion consists of demolishing the existing parking lot east of the existing building. A 15,770 sq.ft. building addition will be constructed with new surface lots and driveways.

The proposed storm water management system has been designed to maintain or reduce the peak 1-yr, 2-yr, 10-year and 100-year runoff rates discharging from the existing stormwater pond at the southeast corner of the site. Please refer to **Section 3.0** and **Section 5.0** for design criteria and additional details of the stormwater facilities.

2.0 EXISTING CONDITIONS

The site consists of the existing Castle Senior Living building, associated parking lot and sidewalk, a shed, and mowed and maintained open land. The existing topography flows from the south to the north of the site into the existing wetland. See **Appendix 3** for an Existing Conditions Hydrology Exhibit.

In addition, multiple soil types have been identified on-site using soils data obtained from the United States Department of Agriculture – Natural Resources Conservation Service Web Soil Survey. A soil location map illustrating the various soils has been included in **Appendix 2**. A listing of the soil map units and descriptions is shown in Table 1 below.

Table 1 – Soil Types

Map Symbol	Map Unit Name	Hydrologic Soil Group
Sm	Sebewa silt loam, 1-2% slopes	B/D
Ph	Pella silt loam, 0-2% slopes	B/D

3.0 DESIGN CRITERIA

3.1 Village of Mukwonago

Village of Mukwonago Municipal Code Division 4 – Stormwater Management and Erosion Control (Sec. 34-110 and Sec. 34-111)

3.2 Wisconsin Department of Natural Resources

WDNR – Technical Standards (NR151 and NR216)

Water Quantity: Village of Mukwonago ordinance requires that the Stormwater management practices reduce the peak post-development 100-year discharge rate to the peak pre-development 10-year discharge rate and also the peak post-development 10-year discharge rate to the peak pre-development 2-year discharge rate. As part of this project we are seeking an exemption to allow the northerly side of the proposed addition to drain to splash blocks then overland into the existing wetland complex to the north. Refer to **Section 5.1** for a description of the on-site water quantity measures.

Water Quality: Village of Mukwonago and the WDNR requires for a redevelopment, storm water discharges shall be treated to remove a minimum of 40% of the total suspended solids load, based on an average annual rainfall for a redevelopment and 80% for new developments. Please refer to **Section 5.2** for a description of the on-site water quality measures.

Infiltration: Village of Mukwonago states according to Sec. 34-110(d)(3)(f)2, sites are exempt “The village determines that it would impracticable to modify existing soil conditions based on soil profile evaluations extending five feet below the proposed bottom of the infiltration system. Note: USDA soil textures of sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay or clay are generally considerable unsuitable for infiltration and would require replacement or modification. “

NR 151.124(4)(c)2: Infiltration practices located in the following areas may be credited toward meeting the requirement under the following conditions, but the decision to infiltrate under these conditions is optional:

Where the least permeable soil horizon to 5 feet below the proposed bottom of the infiltration system using the U.S. department of agriculture method of soils analysis is one of the following: sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay, or clay.

Please refer to **Section 5.3** for a description of the on-site infiltration measures.

4.0 ANALYSIS

HydroCAD® Stormwater Modeling System (Version 10.00) software has been used to analyze stormwater characteristics for the CBRF project. HydroCAD® uses the accepted TR-55 methodology for determining peak runoff rates and runoff discharge volumes. Curve numbers

for proposed ground cover have been selected using the standard values specified in TR-55 for a type "B" soil. Rainfall depths utilized in the HydroCAD® model were based on the rainfall depths specified in NOAA Atlas 14 with the MSE 3 rainfall intensity curve. Results of the modeling have been included in **Appendix 3** and **Appendix 4**. The corresponding rainfall depths are shown below in Table 2.

Table 2 – Rainfall Depths

Storm Event	Rainfall Depth
1-year	2.40"
2-year	2.70"
10-year	3.81"
100-year	6.18"

The sediment reduction and infiltration volume characteristics of the proposed stormwater management facilities have been analyzed using WinSLAMM® (Version 10.3.3) Source Loading and Management Model. Peak release rates from the proposed stormwater devices were based on the results of the HydroCAD® modeling. WinSLAMM® input and output data have been included in **Appendix 5**.

5.0 DESIGN

The proposed building expansion will encompass approximately 1.3 acres. The proposed expansion will be located within the 50 foot protective area of the wetland as defined by Village Ordinance Section 34-110(d)(4)a.4. The development will include installation of private utilities, construction of the building expansion with associated parking, and construction of a bio-filtration basin. The storm water runoff from the new impervious areas will be conveyed to the bio-filtration basin via proposed storm sewers. The bio-filtration basin has been designed to reduce the peak discharge and to also meet the standard for TSS removal. Therefore the site meets the protective area exemption defined in Village Ordinance Section 34-110(d)(4)c.3

Drainage Area 1S represents 0.91acres encompassing the building roof, parking lot, and landscape areas that will drain to the bio-filtration basin (1P).

Bio-filtration basin 1P will control peak runoff release and total suspended solids, and outlet to the existing wetlands on site. In the event the outlet structure becomes clogged or otherwise inoperable, storm water will discharge by an overflow weir into the wetlands.

The remaining sub-catchments, Drainage Areas 2S, 3S & 4S, represents 0.39 acres. Runoff from these areas will discharge from the site undetained but has still been included in the total runoff calculations.

A Proposed Conditions Hydrology Exhibit illustrating the drainage areas has been included in **Appendix 4**. Please refer to **Appendix 6** for additional details of the storm water wet pond and outlet structures.

5.1 Runoff Rate and Volume Control

The proposed stormwater biofiltration basin has been designed to meet the peak runoff release rates in accordance with the Village of Mukwonago ordinance for the 1-year 2-year, 10-year, and 100-year storm events to the maximum extent practicable.

Village of Mukwonago ordinance requires that the Stormwater management practices reduce the peak post-development 100-year discharge rate to the peak pre-development 10-year discharge rate and also the peak post-development 10-year discharge rate to the peak pre-development 2-year discharge rate. As part of this project, we are seeking an exemption to allow the northerly side of the proposed addition to drain to splash blocks then overland into the existing wetland complex to the north undetained. In order to capture this area and route it through the proposed biofiltration basin located in the southwest corner of the site, a mechanical system, a series of pipes and a pump and crock, would need to be employed since the existing grade, which was purposely maintained to protect the existing wetland complex, will not allow for the north side of the roof system to tie into the proposed drainage system via gravity. Table 3 summarizes the existing release rates for the developed compared to the proposed peak release rates determined using HydroCAD®. Please refer to **Appendix 3** and **Appendix 4** for additional details of the existing and proposed peak runoff rate calculations.

Table 3 – Peak Release Rates

	Existing Release Rate (cfs)	Proposed Release Rate (cfs)
1-year	0.63	0.61
2-year	0.96	0.77
10-year	2.46	1.42
100-year	6.44	3.57

Table 5 and Table 6 present the proposed drainage area and storm water management facility characteristics, respectively.

Table 5 – Proposed Drainage Area Hydrologic Characteristics

Drainage Area (HydroCAD® Node)	Area (Acres)	Curve Number	Peak Runoff Rate (cfs)			
			1-year	2-year	10-year	100-year
1S	0.91	82	1.51	1.87	3.32	6.58
2S	0.33	79	0.47	0.60	1.11	2.28
3S	0.04	73	0.03	0.04	0.09	0.21
4S	0.02	93	0.05	0.06	0.08	0.14

Table 6 – Proposed Storm Water Management Facility Characteristics

Stormwater Management Facility		1-year	2-year	10-year	100-year
1P	Peak Inflow (cfs)	1.51	1.87	3.32	6.58
	Peak Outflow (cfs)	0.11	0.13	0.60	1.52
	Peak Water Surface Elevation	813.13	813.33	813.75	814.76
	Spillway Elevation	814.80			
	Top of Berm Elevation	815.80			

5.2 Water Quality – Total Suspended Solids Treatment

Water quality for the Mukwonago CBRF Expansion will be achieved through the settling of suspended solids in the proposed bio-filtration basin. The bio-filtration basin has been designed in accordance with the parameters set forth in WDNR Technical Standard 1004. Because the site has both redevelopment and new development areas a composite reduction rate of 72.8% was determined by weighing the reduction rates by area.

Type of Area	Area (sqft)	Removal rate
Redevelopment	10,203	40%
New development	46,417	80%
<i>Total</i>	56,620	72.8%

Calculation of overall TSS reduction for the site has been determined based on the difference between the total mass of solids generated under the “without controls” and “after controls” conditions using WinSLAMM® software. Table 7 summarizes the TSS reduction as calculated using WinSLAMM®. Refer to **Appendix 5** for input and output data used in the water quality and infiltration models.

Table 7 – Total Suspended Solids Loading

Without Controls (lbs)	After Controls (lbs)	Percent Reduction
296.3	70.75	76.12%

5.3 Infiltration

As shown in the test boring logs in the Geotechnical Engineering Exploration and Analysis in **Appendix 2**, the presence of silty clay or clay in all of the soil borings makes the site exempt from infiltration requirements.

5.4 Storm Sewer

Storm sewer will be constructed within the proposed site to convey storm water to the basin. The storm sewers have been sized to collect runoff from building roofs and pavement. All private storm sewers have been designed in accordance with the rational method and have been sized to accommodate runoff from the 100-year storm event. Complete storm sewer design computations have been included in **Appendix 6**.

6.0 CONCLUSION

The stormwater management facilities for the Mukwonago CBRF Expansion have been designed to meet or exceed Village of Mukwonago ordinance and WDNR Technical Standards NR151 and NR216. The post-development stormwater peak runoff release rates have been reduced below the Village of Mukwonago's allowable peak release rates to the maximum extent practicable. The stormwater facilities will provide an overall TSS reduction of 76.12%.

(Appendices Follow)

APPENDIX 1

Location Map



SITE LOCATION



APPENDIX 2

Soil Data

- USDA Soil Map
- WDRN Surface Water Data Viewer Map
- Geotechnical Engineering Exploration and Analysis



Soil Map—Milwaukee and Waukesha Counties, Wisconsin



USDA
Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/20/2019
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Milwaukee and Waukesha Counties, Wisconsin

Survey Area Data: Version 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.



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

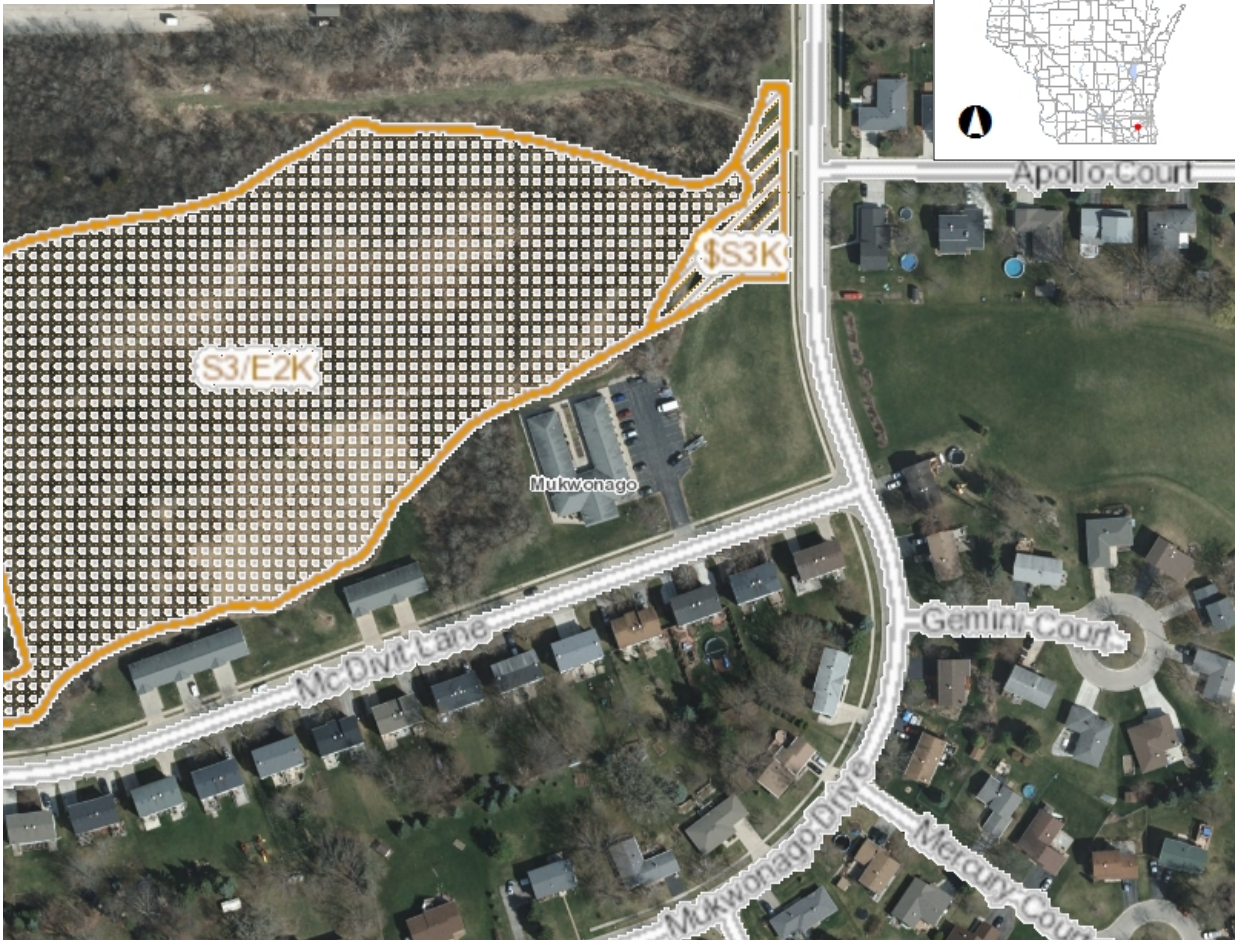
9/20/2019
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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MgA	Martinton silt loam, 1 to 3 percent slopes	0.0	0.0%
Ph	Pella silt loam, 0 to 2 percent slopes	3.3	95.4%
Sm	Sebewa silt loam, 0 to 2 percent slopes	0.2	4.6%
Totals for Area of Interest		3.4	100.0%



Surface Water Data Viewer Map



0.1 0 0.03 0.1 Miles

NAD_1983_HARN_Wisconsin_TM

1: 1,980

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

Legend

- Wetland Identifications and Confirmations
 - Wetland Class Points
 - Dammed pond
 - Excavated pond
 - Filled excavated pond
 - Filled/draind wetland
 - Wetland too small to delineate
 - Filled Points
 - Wetland Class Areas
 - Wetland
 - Upland
 - Filled Areas
- Wetland Class Points
 - Dammed pond
 - Excavated pond
 - Filled excavated pond
 - Filled/draind wetland
 - Wetland too small to delineate
- Filled Points
- Wetland Class Areas
 - Wetland
 - Upland
- Filled Areas
- Intermittent Streams
- 24K Hydrography Streams and Rivers
- 24K Hydrography Lakes and Open Water
- Municipality
- State Boundaries
- County Boundaries
- Major Roads
 - Interstate Highway
 - State Highway

Notes



Geotechnical Engineering Exploration and Analysis

**Proposed CBRF Addition
210 McDivitt Lane
Mukwonago, Wisconsin**

Prepared for:

**Castle Senior Living
New Berlin, Wisconsin**

**December 3, 2019
Project No. 1G-1911002**





GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
- Dallas, TX
- Los Angeles, CA
- Manassas, VA
- Milwaukee, WI

December 3, 2019

Castle Senior Living
13050 W. Cleveland Avenue
New Berlin, WI 53151

Attention: Mr. Kristopher Kiefer, RN
Owner/ Vice President

Subject: Geotechnical Engineering Exploration and Analysis
Proposed CBRF Addition
210 McDivitt Lane
Mukwonago, Wisconsin
Project No. 1G-1911002

Dear Mr. Kiefer:

As requested, Giles Engineering Associates, Inc. conducted a *Geotechnical Engineering Exploration and Analysis* for the proposed project. The accompanying report describes the services that were performed, and it provides geotechnical-related findings, conclusions, and recommendations that were derived from those services.

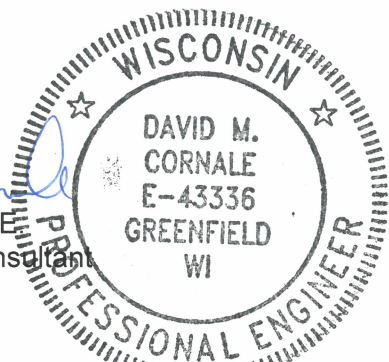
We sincerely appreciate the opportunity to provide geotechnical consulting services for the proposed project. Please contact the undersigned if there are questions concerning the report, or if we may be of further service.

Very truly yours,

GILES ENGINEERING ASSOCIATES, INC.

Andrew J. Globig, E.I.T.
Staff Professional I

David M. Cornale, P.E.
Sr. Geotechnical Consultant



Distribution: Castle Senior Living
Attn: Mr. Kristopher Kiefer (2 via USPS, 1 via email: kris@castlewi.com)

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GEOTECHNICAL ENGINEERING EXPLORATION AND ANALYSIS

PROPOSED CBRF ADDITION
210 MCDIVITT LANE
MUKWONAGO, WISCONSIN
GILES PROJECT NO. 1G-1911002

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APPENDICES

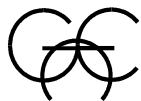
Appendix A - Figure (1); Test Boring Logs (8)

Appendix B - Field Procedures

Appendix C - Laboratory Testing and Classification

Appendix D - General Information and Important Information About Your Geotechnical Report

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GILES ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL ENGINEERING EXPLORATION AND ANALYSIS

PROPOSED CBRF ADDITION
210 MCDIVITT LANE
MUKWONAGO, WISCONSIN
GILES PROJECT NO. 1G-1911002

1.0 SCOPE OF SERVICES

This report provides the results of the *Geotechnical Engineering Exploration and Analysis* that Giles Engineering Associates, Inc. ("Giles") conducted for the proposed addition. The *Geotechnical Engineering Exploration and Analysis* included a Geotechnical Subsurface Exploration Program, Geotechnical Laboratory Services, and Geotechnical Engineering Services. The scope of each service area was narrow and limited, as directed by our client, and based on our understanding and assumptions about the proposed project. Service areas are briefly described later.

Geotechnical-related recommendations are provided in this report for design and construction of the foundations and ground-bearing floors of the proposed addition. Recommendations are also provided for the proposed pavement areas. Site preparation recommendations are given, but are only preliminary, as the means and methods of site preparation will depend on factors that were unknown when this report was prepared. Those factors include, but are not limited to, the weather before and during construction, subsurface conditions that are exposed during construction, and final details of the proposed project. Environmental-related consulting services were beyond Giles' scope for this project.

2.0 SITE DESCRIPTION

The subject site located on the northwest corner of Mukwonago Drive and McDivitt Lane in Mukwonago, Wisconsin. The site location is shown on the *Test Boring Location Plan*, enclosed as Figure 1 in Appendix A. When the recent *Geotechnical Subsurface Exploration Program* (discussed later) was performed, the site consisted of an asphalt parking lot in the west portion and landscaped grass areas on the remaining portions of the site. A shed was also located in the northern area of the site. The addition will abut to the existing building west of the site. It is understood that the previous building does not contain basements or other below-grade areas. Topographically, the site generally sloped downward to the north and west of the site. Elevations were between approximately El. 814 and El. 821; those elevations are referenced to the topographic contours on the *Work – 01- Arch Site Plan* (Sheet A075), Dated September 25, 2019, prepared by Plunkett Raysich Architects, LLP.

3.0 PROJECT DESCRIPTION

Proposed Addition

A single-story addition is planned to be constructed at the site, as shown on the *Test Boring Location Plan*. Pavement areas and parking lots are planned to be south of the addition building. It is understood that the building is planned to be a wood-framed structure that will be



supported by interior columns and perimeter bearing walls. Maximum foundation loads were not provided, but are assumed to be 3,000 pounds per lineal foot (plf) from bearing walls and 60,000 pounds from columns. The at-grade floors are planned to be ground-bearing concrete slabs. The maximum floor load was not provided, but is assumed to be 100 pounds per square foot for each building.

Based on the floor elevations on the *Work – 01- Arch Site Plan*, it is understood that the first floor of the proposed addition will be at El. 817.52 and will match the existing finish floor elevation of the door sill at the adjoining building. Proposed ground grades at the perimeter of the building are near the first-floor elevation. Based on the existing and proposed topography, the building areas will need to be raised (filled) a maximum of about 3½ feet, exclusive of any additional cutting necessary for proper site preparation.

Proposed Pavement Area

Pavement areas will be south of the addition, as shown on the *Test Boring Location Plan*. It is assumed that the pavement areas will be paved with asphalt-concrete, except that Portland cement pavement will be in high stress areas. Since Giles was not provided with traffic information, the pavement recommendations provided later are based on arbitrarily assumed traffic conditions. The *Work – 01- Arch Site Plan* shows that pavement (surface) grades within the pavement areas will be between about El. 815 and El. 821. Based on the existing topography and the proposed pavement elevations, it is expected that the pavement areas will be raised a maximum of 3 feet and cut a maximum of 3½ feet.

4.0 GEOTECHNICAL SUBSURFACE EXPLORATION PROGRAM

The purpose of the *Geotechnical Subsurface Exploration Program* was to explore subsurface conditions by conducting eight geotechnical test borings at the site. Test Boring 1 through 6 were performed within the approximate footprint of the addition area and were drilled to the planned ±16-foot exploration depth. Test Boring 7 and 8 were performed in the proposed parking lot and were drilled to the planned ±6-foot exploration depth. Auger Refusal was encountered at Test Boring 2 at 2-feet below grade due to concrete rubble. Test Boring 2A was drilled 3-feet south of Test Boring 2 to continue subsurface exploration within the area. Test boring locations were positioned on-site from the apparent property lines and other site features, and by estimating right angles. Approximate locations of the test borings are shown on the *Test Boring Location Plan*.

Samples were collected from each test boring, at certain depths, using the Standard Penetration Test (SPT), conducted with the drill rig. A brief description of the SPT is given in Appendix B, along with descriptions of other field procedures. Immediately after sampling, select portions of the SPT samples were placed in containers that were labeled at the site for identification. Retained samples were transported to Giles' geotechnical laboratory. A Standard Penetration



Resistance value (N-value) was determined from each SPT. N-values are reported on the *Test Boring Logs* (in Appendix A), which are records of the test borings.

Ground elevations at the test boring locations were estimated using topographic contours on the *Work – 01- Arch Site Plan*. Test boring elevations are considered accurate within approximately one contour interval (about 1 foot).

The boreholes were backfilled upon completion; however, settlement and/or expansion of backfill material will likely occur, possibly creating a hazard that can lead to a threat of injury to people and animals. Borehole areas should, therefore, be carefully and routinely monitored by the property owner or others; settlement and/or expansion of backfill materials should be repaired immediately. Giles will not monitor or repair boreholes.

5.0 GEOTECHNICAL LABORATORY SERVICES

The retained samples were classified using the descriptive terms and particle-size criteria shown on the *General Notes* in Appendix D, and by using the Unified Soil Classification System (ASTM D 2488) as a general guide. The classifications are shown on the *Test Boring Logs*, along with horizontal lines that show estimated depths of material change. Field-related information pertaining to the test borings is also shown on the *Test Boring Logs*. For simplicity and abbreviation, terms and symbols are used on the *Test Boring Logs*; the terms and symbols are defined on the *General Notes*.

Unconfined compression (without controlled strain), calibrated penetrometer resistance and moisture content tests were performed on select cohesive soil samples to evaluate their general engineering properties. Because SPT samples were used, results of the unconfined compression and calibrated penetrometer tests are considered to be approximate and were used as supplemental information. A Loss-on-Ignition (LOI) test was performed on a sample of cohesive (clayey) soil from Test Boring 2 to evaluate its organic content. Test results are on the *Test Boring Logs*. Laboratory procedures are briefly described in Appendix C.

6.0 MATERIAL CONDITIONS

Because material sampling at the test borings was discontinuous, it was necessary for Giles to estimate conditions between sample intervals. Estimated conditions at the test borings are briefly discussed in this section and are described in more detail on the *Test Boring Logs*. The conclusions and recommendations in this report are based on the estimated conditions.

6.1. Surface Material

Topsoil, classified as fill, was at the ground surface of the test borings, except at Test Borings 1 and 5, where asphalt-concrete pavement with an aggregate base-course was present. The topsoil generally consisted of silty clay with estimated trace to little amounts organic matter,



between ± 12 and ± 15 inches thick. Asphalt-concrete pavement was about 4 inches thick, and the aggregate base-course material beneath the asphalt pavement was about 7 inches thick at Test Borings 1 and 5.

6.2. Fill and Possible Fill Material

Material classified as fill was below the surface material at the test borings, and was identified to about 4 to $6\frac{1}{2}$ feet below-grade. Possible fill was below the fill material at Test Borings 2, 5, 6, and 8 to approximately $6\frac{1}{2}$ to 9 feet below grade, except Test Boring 8 was terminated within the possible fill material at 6 feet. The fill and possible fill materials generally consisted lean clay, clayey sand, and silty sand. Concrete rubble was below the surface material at Test Boring 2 and extended to about $4\frac{1}{2}$ feet below grade. Additionally, gravel with cobbles, boulders and/or concrete rubble was encountered between ± 2 and ± 4 feet at Test Boring 5. The fill materials strength characteristics ranged between low to moderate. Lean clay that was between about $6\frac{1}{2}$ and $9\frac{1}{2}$ feet below-ground at the test borings included an estimated trace amount of organic matter, based on LOI testing and visual-manual classification.

6.3. Native Soil

Native soil was below the materials described above. In general, native soil consisted of lean clay with an estimated little amount of sand. The native soil typically exhibited a very stiff to hard comparative consistency, based on laboratory testing.

7.0 GROUNDWATER CONDITIONS

Water was encountered at about $9\frac{1}{2}$ feet at Test Boring 2 during drilling. Water was not encountered at the other test borings during drilling. Additionally, mottled soil colorations were typically observed within the soils encountered in the test borings at depths ranging between $\pm 6\frac{1}{2}$ and ± 9 feet.

Based on the colorations and moisture conditions of the retained soil samples and the water encountered at Test Boring 2, it is estimated that, at the time of our field services, the groundwater table within the test borings were at about $6\frac{1}{2}$ to $9\frac{1}{2}$ feet below ground surface. Furthermore, the site appears to be subject to shallower perched-groundwater conditions, where groundwater perches above the water table. Groundwater conditions will likely fluctuate and could be shallower at certain times.

Giles' estimate of the groundwater conditions at the site is only an approximation based on the free water encountered within the test borings, and the colors and moisture conditions of the retained soil samples. Groundwater conditions could differ from the conditions described above and the water table could be higher or lower than estimated. A more precise estimate of the groundwater conditions could be determined by installing (and monitoring) observation wells at



the site. Giles could install and monitor observation wells after receiving authorization to conduct those additional services.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1. Seismic Design Considerations

A soil Site Class C is recommended for seismic design. By definition, Site Class is based on the average properties of subsurface materials to 100 feet below-ground. Since 100-foot test borings were not requested or authorized, it was necessary to estimate the Site Class based on the test borings, presumed area geology, and the International Building Code.

8.2. Building Foundation Recommendations

A spread-footing foundation is recommended for the proposed addition; however, existing fill is unsuitable for direct or indirect support of foundations. All footings must be directly supported by suitable-bearing native soil, and/or by new engineered fill or lean-concrete backfill (both discussed below) placed on suitable-bearing native soil. The foundations are recommended to be designed using a 4,000 pound per square foot (psf) maximum, net, allowable soil bearing capacity. For geotechnical considerations, strip footing pads are recommended to be at least 16 inches wide and isolated column pads are recommended to be at least 24 inches wide, regardless of the calculated foundation-bearing stress. Also, from a geotechnical perspective, foundation walls could be built of cast-in-place concrete or concrete masonry units. It is recommended and assumed that a structural engineer will provide specific foundation details, including footing dimensions, reinforcing, etc.

It is understood that the local building code requires a minimum 48-inch foundation depth for frost protection. Footings for perimeter walls are, therefore, recommended to be at least 48 inches below the adjacent exterior grade, or to a depth required by the governing building code. From a geotechnical perspective, interior footings could be directly below the ground-bearing floor slabs, since it is assumed that the apartment buildings will be heated, and soil beneath the buildings will not freeze. Estimated foundation-bearing elevations for perimeter and interior footings are assumed to be at $\pm$ El. 813 and $\pm$ El. 815.5, respectively.

The following table shows the estimated depths of suitable bearing native soil at the test borings within the addition area. The actual depth/elevation of suitable native soil must be determined by a geotechnical engineer at the time of construction through careful monitoring and on-site testing at both the foundation bearing grade and an adequate depth below. Between the test borings, suitable native soil might be at variable and deeper depths/elevations than shown on the following table.



TABLE 1 ESTIMATED DEPTH/ELEVATION OF SUITABLE NATIVE SOIL (a)		
Test Boring	Depth Below Current Surface (b)	Elevation (c)
1	±6½ feet	±El. 807.5
2	±9½ feet	±El. 805.8
3	±6½ feet	±El. 809.8
4	±9 feet	±El. 808.3
5	±6½ to ±9 feet	±El. 805.8 to ±El. 808.3
6	±6½ feet	±El. 810.3
(a) For direct foundation support and/or for placement of engineered fill or lean-concrete backfill; based on a 4,000 psf maximum, net, allowable soil bearing capacity.		
(b) Referenced to the existing site grades during drilling.		
(c) Referenced to topographic contours on the <i>Work – 01- Arch Site Plan</i> .		

Based on the estimated foundation-bearing elevations, and the estimated depths/elevations of suitable native soil shown on the table above, over-excavation of unsuitable soil should be expected to develop suitable foundation support, especially for interior footings. Because of the expected over-excavation, evaluation and approval of foundation support soil by a geotechnical engineer on a full-time basis during construction is critical. If foundation support soil is not approved by a geotechnical engineer during construction, unsuitable materials (beneath foundation areas) might not be identified and the buildings could settle excessively, possibly resulting in structural damage.

Foundation excavations are recommended to be excavated with a smooth-edge backhoe bucket to develop a relatively undisturbed bearing grade. A toothed bucket will likely disturb foundation-bearing soil more than a smooth-edge bucket, thereby making soil at the excavation base more susceptible to saturation and instability, especially during adverse weather. It is critical that contractors protect foundation support soil and foundation construction materials (concrete, reinforcing, etc.). In addition, engineered fill is recommended to be placed and compacted in benched excavations along foundation walls immediately after the foundation walls are capable of supporting lateral pressures from backfill, compaction, and compaction equipment.

Foundation Support Soil Requirements

As described above, existing fill is unsuitable for direct or indirect support of foundations. All footings must be directly supported by suitable-bearing native soil, and/or by new engineered fill or lean-concrete backfill (both discussed below) placed on suitable-bearing native soil. For the recommended 4,000 psf bearing capacity, the unconfined compressive strength of native cohesive (clayey) foundation support-soil is recommended to be at least 2.0 tons per square foot (tsf). For native non-cohesive (granular) soil, a minimum N-value (determined by the SPT and correlated from other tests) of 14 is recommended. It is further recommended that the strength characteristics of native soil within the foundation influence zones (determined by a



geotechnical engineer during construction) meet or exceed the recommended values, unless Giles approves lesser values. Engineered fill within foundation influence zones is recommended to be placed and compacted in accordance with this report, including the enclosed *Guide Specifications*.

Due to the existing fill, evaluation of foundation-support soil by a geotechnical engineer during construction is critical. The purpose of the recommended evaluation is: (1) to confirm that the foundations will be properly supported by suitable native soil, (2) to determine over-excavation depths and locations, and (3) to confirm that the subsurface conditions are similar to those described on the *Test Boring Logs*. If another firm performs the recommended support-soil evaluation, Giles must be notified if the composition or strength characteristics of support soil differs from those shown on the *Test Boring Logs*, thereby allowing us the opportunity to revise this report, if needed. Without evaluation and approval of foundation-support soil by a geotechnical engineer, the proposed building could be improperly supported.

Unsuitable materials beneath foundation areas could be replaced with engineered fill consisting of properly compacted well-graded aggregate. Aggregate fill is recommended to consist of dense-graded crushed stone that meets the gradation requirements of *dense-graded base* (1½-inch) in Section 305 of the Wisconsin Department of Transportation Standard Specifications (2019). Aggregate with other gradation characteristics could possibly be used, but should be approved by a geotechnical engineer before the material is placed. If engineered fill is used as backfill, lateral over-excavation of unsuitable materials will also be required, in addition to the required vertical over-excavation. The overall width of lateral over-excavation will depend on the vertical over-excavation depth. For estimating purposes, the minimum lateral over-excavation could be determined by extending an imaginary line outward and downward at a ratio of 1(horizontal):2(vertical) from the bottom edges of a footing pad, but the actual lateral extents of over-excavation are recommended to be approved by a geotechnical engineer during construction.

Lean Portland cement concrete (minimum 28-day compressive strength of 500 psi) could also be used to replace unsuitable materials beneath foundation areas. Where lean concrete is used as backfill, footing construction must not begin until the lean concrete has gained sufficient strength. Also, over-excavations that are filled with lean concrete are recommended to be at least as wide (on all sides) as the footing pad that will be supported by the concrete, and excavation sidewalls are recommended to be plumb and parallel. To help control sloughing and caving, lean-concrete backfill is recommended to be placed immediately after excavation. This trench-and-pour method requires close communication and scheduling between the general contractor, foundation contractor, concrete supply company, and geotechnical engineer. With a trench-and-pour method, a geotechnical engineer must observe excavations as they are made. Full-time observation by a geotechnical engineer is, therefore, recommended.



Existing Building Considerations

Precautions must be taken to protect the existing building during construction and to ensure that excavations do not undermine or otherwise compromise the existing building, or other existing site improvements. If a void develops below existing footings or floor slabs, a geotechnical engineer should immediately observe the conditions and provide repair recommendations. In general, voids should be immediately filled with a concrete dry-pack, or a non-shrink, expansive sand-and-cement slurry should be injected into the void, under appropriate pressure, to redevelop contact between the foundation and supporting soils.

Near the existing building, it is recommended that foundations for the addition bear at the same elevation as the adjacent (existing) foundations, assuming that the required 48-inch embedment depth will be met, where required. If the new and existing footings will bear at different elevations, a structural engineer should evaluate the stresses to be imposed on the lower foundation, and confirm that the structural integrity of the existing building and addition will be maintained. Control joints should separate the existing building and the addition, since some differential movement is expected to occur at these junctures. Excavations must not be performed within the zone of influence (determined by a geotechnical engineer) of an existing footing; otherwise, existing footings could be undermined, possibly causing significant (and catastrophic) damage.

Where new foundations are perpendicular to the existing foundation, it may be necessary to cantilever new foundations a certain distance away from the outside face of the existing building to help reduce potential settlement of the existing building due to overlapping stress from the new construction. When the existing and proposed foundation systems and depths can be confirmed, Giles should be contacted to evaluate whether our recommendations need to be updated. Care must be taken to protect the existing building during construction of the addition. The existing building should be underpinned and braced, where needed. Extra care should be exercised not to undermine existing footings during removal of unsuitable materials and during construction of the new footings.

It is assumed that the proposed addition will be a self-supporting structure, and that no structural load will be imposed on the existing building due to the addition. If load is added to the existing building, it will likely undergo some settlement. The amount and location of settlement will partly depend on the magnitude and location of the load increase. Differential settlement should be expected between the existing building and the addition, even if additional load is not imposed on the existing building.

Estimated Foundation Settlement

The post-construction total and differential settlements of a spread-footing foundation designed and constructed based on this report are estimated to be less than about 1 inch and ½ inch, respectively. The post-construction angular distortion is estimated to be less than about 0.002



inch per inch across a distance of 20 feet or more. Estimated settlements assume that the site will be prepared in accordance with this report and that foundation support materials will be thoroughly tested and approved by a qualified geotechnical engineer during construction.

8.3. At-Grade Floor Slab Recommendations

With proper subgrade preparation, existing soil (including existing fill) is expected to be suitable to support at-grade floor slabs for the building addition; new engineered fill that is placed on suitable-bearing existing soil is also expected to be suitable. However, subgrade improvement (such as over-excavation and/or mechanical modification) might be necessary to develop proper slab support in some areas, considering the existing fill. Additionally, removal of nested rubble may also be necessary for proper floor slab subgrade preparation. Consequently, all at-grade floor areas are recommended to be thoroughly evaluated (and approved) by a geotechnical engineer immediately before fill placement (if any) and before floor construction. Without a thorough evaluation of floor slab support materials, at-grade floor slabs might be improperly supported, which could lead to excessive settlement.

From a geotechnical perspective, at-grade floor slabs are recommended to be at least 4 inches thick; that thickness assumes that the 28-day compressive strength of concrete will be at least 3,500 pounds per square inch (psi). Assuming proper site preparation, at-grade floor slabs may be designed using a *Modulus of Subgrade Reaction* (K_{v1}) value of 90 pounds per square inch per inch (psi/in). It is recommended and assumed that a structural engineer will design/specify the floor slab thicknesses, reinforcing, joint details, and other parameters.

A minimum 4-inch-thick base course is recommended to be below the at-grade floor slabs to serve as a capillary break and for support considerations. It is recommended that the base course consist of free-draining aggregate that has been tested and approved by a geotechnical engineer. Depending on aggregate gradation, geotextile might need to be below the base course to serve as a separator. The need for geotextile should be determined during construction with the assistance of a geotechnical engineer.

A minimum 10-mil vapor retarder is recommended to be directly above or below the base course throughout all at-grade floor areas. The location (above or below the base course) of the vapor retarder should be specified by the project structural engineer or architect. Abutting vapor retarder sheets are recommended to be overlapped and taped, and must extend to all foundation walls. Vapor retarders are recommended to be in accordance with ASTM E 1745, entitled *Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs*, or other relevant documents. If the base course has sharp, angular aggregate, protecting the retarder with geotextile (or by other means) is recommended.

Due to the frost-susceptible site soil, areas of the at-grade floor slabs (such as near exterior doors and entrance/exit vestibules) will be susceptible to freeze-thaw related movement. Installation of insulation (or other protective measures against freeze-thaw movement) should



be considered for these areas. Ground grades are recommended to be sloped away from the hotel building and sidewalks to reduce water infiltration and potential freeze-thaw problems.

Estimated Floor Slab Settlement

The post-construction total and differential settlements of an isolated floor slab constructed in accordance with this report are estimated to be less than about $\frac{1}{2}$ inch and $\frac{1}{3}$ inch, respectively, over a distance of about 20 feet. Settlement estimates are based on the assumption that floor slab support materials will be evaluated and approved by a geotechnical engineer during and immediately before floor slab construction.

8.4. Pavement Recommendations

Giles was not given traffic information for pavement design; therefore, recommendations for light-duty pavement are provided below and are based on an arbitrarily assumed traffic condition consisting of five 18-kip Equivalent Single Axle Loads (ESALs) per day. The recommended pavement sections are only intended for use in light-duty areas subject to passenger vehicles with infrequent traffic from heavier vehicles due to occasional deliveries and due to weekly removal of refuse and recyclables. The recommended pavement sections assume no increase in traffic volume and no changes in vehicle type or traffic pattern. Also, it is assumed that the ESALs noted above will be in one direction for each lane.

It is critical that the project owner, developer, civil engineer, and other design professionals involved with the project confirm that the ESALs noted above are appropriate for the expected traffic conditions, vehicle types, and axle loadings. If requested, Giles can provide supplemental pavement recommendations based upon other traffic conditions, vehicle types, and axle loads. The recommended pavement sections could underperform or fail prematurely if the design ESALs are exceeded.

It is expected that pavement support materials will consist of various materials including existing fill, native soil, and newly placed engineered fill (used to raise grades). Generally, site soil at the expected pavement subgrade consists of sand and gravel with silty clay, clayey sand and gravel, sandy gravel, and lean clay. Because lean clay has lower support characteristics (when compared with the other soil), the recommended pavement sections were developed based on a lean clay subgrade with an assumed field CBR value of 4 and a *subgrade modulus (K)* value of 90 psi/in. Engineered fill that is placed in proposed pavement areas is recommended to have a field CBR value and a *subgrade modulus (K)* value at least equivalent to the design values. Fill is recommended to be placed and compacted per this report.

Asphalt-Concrete Pavement

The following table shows the recommended thicknesses for asphalt-concrete pavement with an aggregate base-course. State specifications are also included in the table. The recommended pavement section is based on the traffic condition described above.



TABLE 3 RECOMMENDED HMA PAVEMENT SECTION		
Materials	Pavement Thickness	Wisconsin DOT Standard Specifications
Hot-Mix Asphalt Surface Course	1.5 inches	Section 460
Hot-Mix Asphalt Binder Course	2.5 inches	Section 460
Dense-Graded Aggregate Base Course	9.0 inches	Section 305, 1¼-inch Crushed Stone

Portland Cement Concrete

Portland cement concrete pavement is recommended in high-stress areas, such as the lot entrance/exit aprons, at the refuse/recyclables enclosure, and in areas where trucks will turn or will be parked. Concrete pavement is recommended to be at least 6 inches thick, and is recommended to be underlain by a minimum 4-inch-thick aggregate base-course. It is recommended that concrete pavement have load-transfer reinforcement, where appropriate. Control-joint spacing should be determined in accordance with the current ACI code. Expansion joints should be provided where pavement abuts fixed objects, such as the buildings and light poles. It is recommended and assumed that a civil engineer will provide specific recommendations for concrete pavement, including reinforcing details and control-joint spacing. The 28-day compressive strength of concrete is recommended to be at least 4,000 psi and the concrete should be properly air-entrained. Materials and construction procedures for concrete pavement and the aggregate base are recommended to be in accordance with Wisconsin DOT specifications.

General Pavement Considerations

The pavement recommendations assume that the pavement subgrade will be prepared according to this report, the base course will be properly drained, and a geotechnical engineer will observe and test pavement construction. Pavement was designed based on AASHTO design parameters for a twenty-year design period, but the actual service life may be much less, especially considering that the pavement subgrade is expected to consist of silty clay and lean clay, which are relatively poor subgrade materials. Also, because of the existing fill, additional pavement maintenance should be expected. Local codes may require specific testing to determine soil support characteristics and/or minimum pavement section thickness might be required.



8.5. Site Preparation Recommendations

This section deals with site preparation, including preparation including preparation of the floor slab, pavement, and engineered fill areas. The means and methods of site preparation will greatly depend on the weather conditions before and during construction, the subsurface conditions that are exposed during earthwork operations, and the final details of the proposed development. Therefore, only generalized site preparation recommendations are given.

In addition to being general, the following site preparation recommendations are abbreviated; the *Guide Specifications* in Appendix D gives further recommendations. The *Guide Specifications* should be read along with this section. Also, the *Guide Specifications* are recommended to be used as an aid to develop the project specifications.

Clearing and Removal

Existing pavement, surface vegetation, trees and bushes (including root-balls), topsoil with adverse organic content, and otherwise unsuitable bearing materials are recommended to be removed from the proposed building areas, pavement areas, and other structural areas. Clearing, grubbing and stripping should extend at least several feet beyond proposed development areas, where feasible.

As described earlier, concrete rubble was within Test Boring 2 and 2A, in the planned building addition area. Cobbles, boulders and/or concrete rubble were also between ± 2 and ± 4 feet at Test Boring 5. Due to the rubble encountered in the test borings, which could be nested, removal of rubble may be necessary. Any nested rubble from former filling is recommended to be removed to at least several feet beyond the proposed building areas.

Proof-Rolling and Fill Placement

After the recommended clearing and removal, and once the site is cut (lowered) as needed, the exposed subgrade is recommended to be proof-rolled with a fully-loaded, tandem-axle dump truck (or other suitable construction equipment) to locate unstable soil based on subgrade deflection caused by the wheel loads of the proof-roll equipment. All development areas are recommended to be proof-rolled. And, where feasible, proof-rolling should extend at least several feet beyond the development areas. It is recommended that a geotechnical engineer observe proof-roll operations and evaluate subgrade stability based on those observations. Areas that are not accessible to proof-roll equipment are recommended to be evaluated (and approved) by a geotechnical engineer using appropriate means and methods.

Soil that yields excessively or ruts during proof-rolling, or shows other signs of instability, is recommended to be replaced with engineered fill. As an option to replacement, unsuitable soil could be scarified to a sufficient depth (likely 6 to 12 inches, or more), moisture-conditioned (uniformly moistened or dried), and compacted to the required in-place density. Unsuitable soil



could also be mechanically modified with coarse aggregate and/or geosynthetics (geogrids, geotextiles, etc.). It is recommended that soil improvement recommendations be provided by a geotechnical engineer based on the conditions during construction. Due to the existing fill, subgrade improvements are expected to be necessary.

The site is recommended to be raised, where necessary, to the planned finished grade with engineered fill immediately after the subgrade is confirmed to be stable and suitable to support the proposed site improvements. Engineered fill is recommended to be placed in uniform, relatively thin layers (lifts). And each layer of engineered fill is recommended to be compacted to at least 95 percent of the fill material's maximum dry density determined from the Standard Proctor compaction test (ASTM D698). As an exception, the in-place dry density of engineered fill within one foot of the pavement subgrade is recommended to be compacted to at least 100 percent of the fill's maximum dry density. The water content of fill material is recommended to be uniform and within a narrow range of the optimum moisture content, also determined by the Standard Proctor compaction test. Item Nos. 4 and 5 of the *Guide Specifications* give more information pertaining to selection and compaction of engineered fill.

Engineered fill that does not meet the density and water content requirements is recommended to be scarified to a sufficient depth (likely 8 to 12 inches, or more), moisture-conditioned, and compacted to the required density. A subsequent lift of fill should only be placed after a geotechnical engineer confirms that the previous lift was properly placed and compacted. Subgrade soil might need to be recompacted immediately before construction, since equipment traffic and adverse weather may reduce soil stability.

Use of Site Soil as Engineered Fill

Site soil that does not contain adverse organic content or other deleterious materials, as noted in the *Guide Specifications*, could be used as engineered fill. However, site soil that is used as engineered fill will likely need to be moisture conditioned (uniformly moistened or dried). If construction is during adverse weather (discussed in the following section), drying site soil will likely not be feasible. In that case, aggregate fill (or other fill material with a low water-sensitivity) will likely need to be imported to the site. Additional recommendations regarding fill selection, placement, and compaction are given in the *Guide Specifications*.

8.6. Generalized Construction Considerations

Adverse Weather

Site soil is moisture sensitive and will become unstable when exposed to adverse weather such as rain, snow, and freezing temperatures. It might be necessary to remove or stabilize the upper 6 to 12 inches (or more) of soil that becomes unstable due to adverse weather, which commonly occurs during late fall, winter, and early spring. At least some over-excavation and/or stabilization of unstable soil should be expected if construction is during or after adverse weather. Because site preparation depends on weather, bids for site preparation, and other earthwork activities, should consider the time of year that construction will be conducted.



In an effort to protect soil from adverse weather, the site surface is recommended to be smoothly graded and contoured during construction to divert surface water away from construction areas. Contoured subgrades are recommended to be rolled with a smooth-drum compactor, before precipitation, to “seal” the surface. Furthermore, construction traffic should be restricted to certain aggregate-covered areas in an effort to reduce traffic-related soil disturbance. Foundation, floor slab, and pavement construction should begin immediately after suitable support is confirmed.

Construction Dewatering

Excavations are expected to be at or above the water table; however, some dewatering might be necessary due to perched groundwater or precipitation. Water that accumulates in construction areas is recommended to be removed along with unstable soil as soon as possible. Filtered sump pumps, drawing water from sump pits excavated in the bottom of construction trenches, will likely be adequate to remove water that collects in shallow excavations. Excavated sump pits should be fully-lined with geotextile and filled with open-graded, free-draining aggregate.

Excavation Stability

Excavations are recommended to be made in accordance with current OSHA excavation and trench safety standards, and other applicable requirements. Sides of excavations might need to be sloped, benched, and/or braced to develop and maintain a safe work environment. Temporary shoring must be designed according to applicable regulatory requirements. Contractors are responsible for excavation safety.

Existing Utilities

All existing utilities should be identified and located, and any planned to be reused should be relocated outside the building areas. Utilities that are not reused should be capped-off and removed in accordance with pertinent regulations. Excavations for utilities that are also in the influence zone of new construction are recommended to be backfilled with engineered fill placed under engineering controlled conditions. Underground utilities that are to be reused or abandoned in-place should be evaluated by a qualified plumbing contractor and utility backfill should be evaluated by a qualified geotechnical engineer. Grading operations must be done carefully so that existing utilities are not damaged or disturbed. Utility invert elevations, depths and sizes should be checked relative to the proposed construction.

Questionable Materials

Questionable materials, where encountered, are recommended to be evaluated by a geotechnical engineer to determine if removal and replacement with engineered fill is necessary. Disposal of materials should be in accordance with local, state and federal



regulations for the material type. This report might need to be revised if subsurface conditions differ from those shown on the *Test Boring Logs*.

8.7. Recommended Construction Materials Testing Services

This report was prepared assuming that a geotechnical engineer will perform Construction Materials Testing ("CMT") services during construction of the proposed development. It might be necessary for Giles to provide supplemental geotechnical recommendations based on the results of CMT services and specific details of the project not known at this time.

9.0 BASIS OF REPORT

This report is strictly based on the project description given earlier in this report. Giles must be notified if any parts of the project description or our assumptions about the proposed project are not accurate so that this report can be amended, if needed. This report is based on the assumption that the facility will be designed and constructed according to the codes that govern construction at the site.

The conclusions and recommendations in this report are based on estimated subsurface conditions as shown on the *Test Boring Logs* and the *Records of Subsurface Exploration*. Giles must be notified if the subsurface conditions that are encountered during construction of the proposed development differ from those shown on the *Test Boring Logs* and *Records of Subsurface Exploration* because this report will likely need to be revised. General comments and limitations of this report are given in the appendix.

The conclusions and recommendations presented in this report have been promulgated in accordance with generally accepted professional engineering practices in the field of geotechnical engineering. No other warranty is either expressed or implied.

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1G-1911002/19Proj04/Geo/ajg

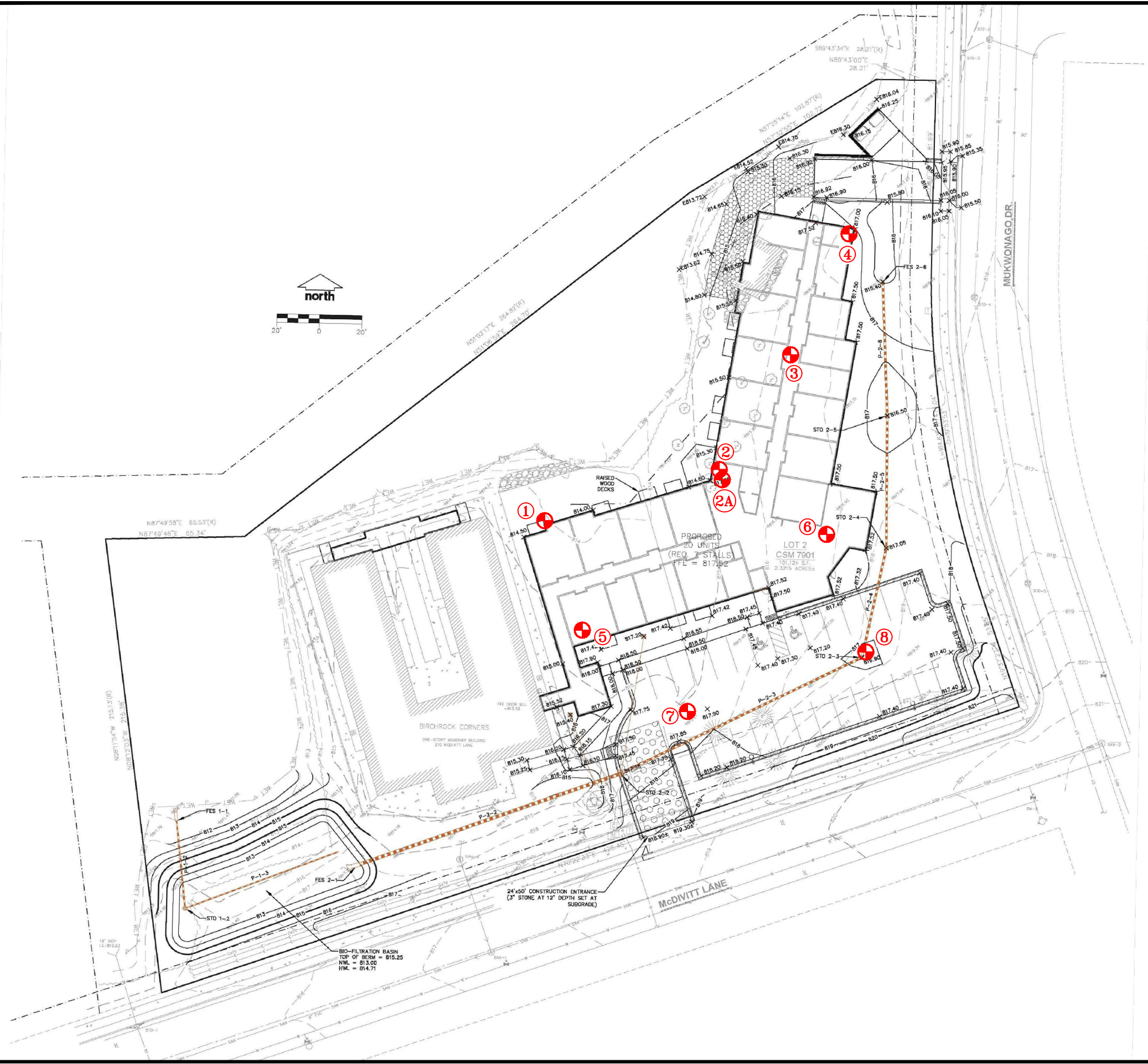


APPENDIX A

FIGURES AND TEST BORING LOGS

The Test Boring Location Plan contained herein was prepared based upon information supplied by *Giles'* client, or others, along with *Giles'* field measurements and observations. The diagram is presented for conceptual purposes only and is intended to assist the reader in report interpretation.

The Test Boring Logs and related information enclosed herein depict the subsurface (soil and water) conditions encountered at the specific boring locations on the date that the exploration was performed. Subsurface conditions may differ between boring locations and within areas of the site that were not explored with test borings. The subsurface conditions may also change at the boring locations over the passage of time.



- NOTES:**
- 1.) TEST BORING LOCATIONS ARE APPROXIMATE.
 - 2.) PROPOSED FEATURES ARE APPROXIMATE BASED ON THE "WORK - 01- ARCH SITE PLAN" (SHEET A075), DATED 9-25-19, PREPARED BY PLUNKETT RAYSICH ARCHITECTS, LLP.

LEGEND:

**1**

GEOTECHNICAL TEST BORING



GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)544-0118
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FIGURE 1
TEST BORING LOCATION PLAN
PROPOSED CBRF ADDITION
CASTLE SENIOR LIVING
210 McDIVITT LANE
MUKWONAGO, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
PDR/AJG	<i>AJG</i>	approx. 1"=50'	12-02-19	--
PROJECT NO.: 1G-1911002			CAD No. 1g1911002-blp	

BORING NO. & LOCATION: 1	TEST BORING LOG	 GILES ENGINEERING ASSOCIATES, INC.	
SURFACE ELEVATION: 814 feet			CBRF ADDITION 210 MCDIVITT LANE MUKWONAGO, WISCONSIN PROJECT NO: 1G-1911002
COMPLETION DATE: 11/06/19			
FIELD REP: KEITH FLOWERS			

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q _u (tsf)	Q _p (tsf)	Q _s (tsf)	W (%)	PID	NOTES
±4" Asphalt Concrete										
±7" Base Course			1-SS	5						
Fill: Dark Gray lean Clay, little Sand, trace Gravel-Moist			2-SS	5		1.7		15		
	810									
	5		3-SS	6	1.3	1.4		27		
Brown and Gray mottled lean Clay, little Sand-Moist			4-SS	13	2.9	2.6		17		
	805									
	10		5-SS	13	3.4	2.9		18		
Brown lean Clay, little Sand-Moist										
	800									
	15		6-SS	29	4.1	3.5		15		

Boring Terminated at about 16 feet (EL. 798')

Water Observation Data		Remarks:
	Water Encountered During Drilling:	
	Water Level At End of Drilling:	
	Cave Depth At End of Drilling: 14 ft.	
	Water Level After Drilling:	
	Cave Depth After Drilling:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

GILES LOG REPORT 1G1911002.GPJ GILES.GDT 12/3/19

BORING NO. & LOCATION: 2/2A	TEST BORING LOG CBRF ADDITION 210 MCDIVITT LANE MUKWONAGO, WISCONSIN PROJECT NO: 1G-1911002	 GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 815.3 feet		
COMPLETION DATE: 11/06/19		
FIELD REP: KEITH FLOWERS		

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q _u (tsf)	Q _p (tsf)	Q _s (tsf)	W (%)	PID	NOTES
±12" Topsoil Fill: Dark Brown Silty Clay, little Sand and Organic Matter-Moist		815	1-SS	6	2.9	3.0		22		(a)
Fill: Gray Gravel (Includes Concrete Rubble)-Damp			2-SS	50/2"				15		
Fill: Brown lean Clay, little Sand, trace Gravel-Moist	5	810	3-SS	5						
Possible Fill: Very Dark Gray and Gray lean Clay, little Sand, trace Organic Matter-Moist			4-SS	5	1.7	1.9		31		
										LOI=5.3%
Brown and Gray mottled lean Clay, little Sand-Wet	10	805	5-SS	11	1.9	2.1		19		
Brown lean Clay, little Sand-Moist	15	800	6-SS	11	2.4	2.3		18		

Boring Terminated at about 16 feet (EL. 799.3')

Water Observation Data		Remarks:
	Water Encountered During Drilling: 9.5 ft.	(a) Poor Recovery, Due to Concrete Rubble Auger Refusal Occured at Test Boring 2 at 4 feet Test Boring 2A relocated approximately 3 feet south of Test Boring 2, advanced to 4½ feet without sampling and continued with sampling to 16 feet
	Water Level At End of Drilling: 10 ft.	
	Cave Depth At End of Drilling: 13.5 ft.	
	Water Level After Drilling:	
	Cave Depth After Drilling:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: 3	TEST BORING LOG	 GILES ENGINEERING ASSOCIATES, INC.	
SURFACE ELEVATION: 816.3 feet			CBRF ADDITION 210 MCDIVITT LANE MUKWONAGO, WISCONSIN PROJECT NO: 1G-1911002
COMPLETION DATE: 11/06/19			
FIELD REP: KEITH FLOWERS			

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q _u (tsf)	Q _p (tsf)	Q _s (tsf)	W (%)	PID	NOTES
±15" Topsoil Fill: Very Dark Gray and Brown Silty Clay, little Sand, trace Organic Matter-Moist Fill: Dark Brown and Brown lean Clay, little Sand, trace Gravel-Very Moist	5	815	1-SS	8		3.5		20		
			2-SS	5		0.8		20		
			3-SS	3				24		(a)
Gray and light Brown lean Clay, little Sand-Moist		810	4-SS	11	2.1	2.0		17		
Brown lean Clay, little Sand-Moist	10		5-SS	13	3.1	3.4		17		
		805								
	15		6-SS	19		3.5		15		

Boring Terminated at about 16 feet (EL. 800.3')

Water Observation Data		Remarks:
 Water Encountered During Drilling:  Water Level At End of Drilling:  Cave Depth At End of Drilling:  Water Level After Drilling:  Cave Depth After Drilling:	(a) No recovery - Auger Sample Obtained at 3-SS	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: 4	TEST BORING LOG	 GILES ENGINEERING ASSOCIATES, INC.	
SURFACE ELEVATION: 817.2 feet			CBRF ADDITION 210 MCDIVITT LANE MUKWONAGO, WISCONSIN PROJECT NO: 1G-1911002
COMPLETION DATE: 11/06/19			
FIELD REP: KEITH FLOWERS			

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q _u (tsf)	Q _p (tsf)	Q _s (tsf)	W (%)	PID	NOTES
±12" Topsoil Fill: Dark Brown Silty Clay, fine to medium Sand and Gravel-Moist			1-SS	6				13		
Fill: Light Brown Silty fine to medium Sand, trace Gravel-Moist to Very Moist		815	2-SS	5				10		
	5		3-SS	6				20		
		810	4-SS	7				11		
Possible Fill: Gray Silty fine to medium sand, trace Gravel and Clay-Moist			5-SS	13				15		
Dark Gray and Gray Silty fine to medium Sand, trace Gravel-Moist	10									
Brown lean Clay, little Sand-Moist		805								
	15		6-SS	12	2.9	2.6		17		

Boring Terminated at about 16 feet (EL. 801.2')

Water Observation Data		Remarks:
	Water Encountered During Drilling:	
	Water Level At End of Drilling:	
	Cave Depth At End of Drilling: 14 ft.	
	Water Level After Drilling:	
	Cave Depth After Drilling:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

GILES LOG REPORT: 1G1911002.GPJ GILES.GDT 12/3/19

BORING NO. & LOCATION: 5	TEST BORING LOG CBRF ADDITION 210 MCDIVITT LANE MUKWONAGO, WISCONSIN PROJECT NO: 1G-1911002	 GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 814.8 feet		
COMPLETION DATE: 11/06/19		
FIELD REP: KEITH FLOWERS		

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q _u (tsf)	Q _p (tsf)	Q _s (tsf)	W (%)	PID	NOTES
±4" Asphalt Concrete										
±7" Base Course			1-SS	9						
Fill: Dark Brown and Brown Silty Clay, trace Sand and Gravel-Moist			2-SS	24						(a)
Fill: Gray Gravel (Possibly includes Cobbles, Boulders and/or Concrete Rubble)-Damp										
Fill: Very Dark Gray lean Clay, little Sand-Moist	5	810	3-SS	12		2.4		31		LOI=9%
Possible Fill: Brown lean Clay, little Sand-Moist			4-SS	12						(a)
Brown and Gray mottled lean Clay, little Sand-Moist	10	805	5-SS	16	4.5	4.3		21		
	15	800	6-SS	29		4.5+		15		

Boring Terminated at about 16 feet (EL. 798.8')

Water Observation Data		Remarks:
	Water Encountered During Drilling:	(a) Poor Recovery - Auger Samples at 2-SS and 4-SS
	Water Level At End of Drilling:	
	Cave Depth At End of Drilling: 13 ft.	
	Water Level After Drilling:	
	Cave Depth After Drilling:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

GILES LOG REPORT: 1G1911002.GPJ GILES.GDT 12/3/19

BORING NO. & LOCATION: 6	TEST BORING LOG	 GILES ENGINEERING ASSOCIATES, INC.	
SURFACE ELEVATION: 816.8 feet			CBRF ADDITION 210 MCDIVITT LANE MUKWONAGO, WISCONSIN PROJECT NO: 1G-1911002
COMPLETION DATE: 11/06/19			
FIELD REP: KEITH FLOWERS			

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q _u (tsf)	Q _p (tsf)	Q _s (tsf)	W (%)	PID	NOTES
±14" Topsoil Fill: Very Dark Gray and Brown Silty Clay, little Sand, trace Gravel and Organic Matter-Moist			1-SS	12						
Fill: Brown Silty fine to medium Sand, trace Gravel-Moist		815	2-SS	4				15		
Fill: Brown Clayey Sand, trace Silt-Moist										
Possible Fill: Very Dark Gray lean Clay, little Sand-Moist	5		3-SS	5		1.5		26		
Brown and Gray mottled lean Clay, little Sand-Moist		810	4-SS	11		2.3		17		
	10		5-SS	9	3.0	3.2		18		
		805								
	15		6-SS	20	6.0	4.5+		15		

Boring Terminated at about 16 feet (EL. 800.8')

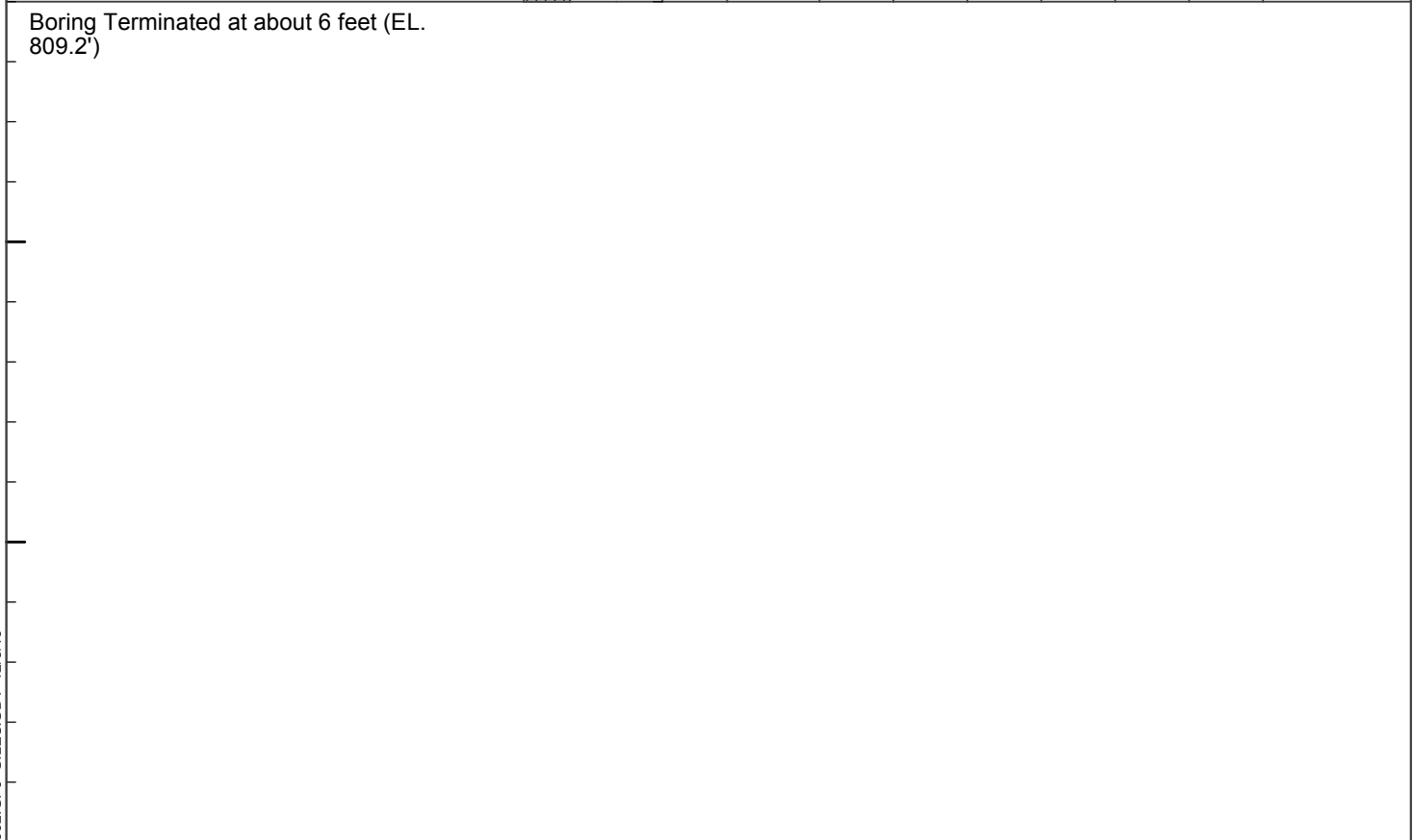
Water Observation Data		Remarks:
	Water Encountered During Drilling:	
	Water Level At End of Drilling:	
	Cave Depth At End of Drilling: 13 ft.	
	Water Level After Drilling:	
	Cave Depth After Drilling:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

GILES LOG REPORT 1G1911002.GPJ GILES.GDT 12/3/19

BORING NO. & LOCATION: 7	TEST BORING LOG	 GILES ENGINEERING ASSOCIATES, INC.	
SURFACE ELEVATION: 815.2 feet			CBRF ADDITION 210 MCDIVITT LANE MUKWONAGO, WISCONSIN PROJECT NO: 1G-1911002
COMPLETION DATE: 11/06/19			
FIELD REP: KEITH FLOWERS			

MATERIAL DESCRIPTION		Depth (ft)	Elevation	Sample No. & Type	N	Q _u (tsf)	Q _p (tsf)	Q _s (tsf)	W (%)	PID	NOTES
±14" Topsoil Fill: Dark Brown Silty Clay, little Sand, trace Gravel-Moist			815	1-SS	6						
Fill: Very Dark Gray lean Clay, little Sand-Moist				2-SS	6		3.1		32		
Brown and Gray lean Clay, little Sand		5	810	3-SS	13		2.4		24		



Water Observation Data		Remarks:
	Water Encountered During Drilling:	
	Water Level At End of Drilling:	
	Cave Depth At End of Drilling:	
	Water Level After Drilling:	
	Cave Depth After Drilling:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

APPENDIX B

FIELD PROCEDURES

The field operations were conducted in general accordance with the procedures recommended by the American Society for Testing and Materials (ASTM) designation D

420 entitled "Standard Guide for Sampling Rock and Rock" and/or other relevant specifications. Soil samples were preserved and transported to *Giles'* laboratory in general accordance with the procedures recommended by ASTM designation D 4220 entitled "Standard Practice for Preserving and Transporting Soil Samples." Brief descriptions of the sampling, testing and field procedures commonly performed by *Giles* are provided herein.

GENERAL FIELD PROCEDURES

Test Boring Elevations

The ground surface elevations reported on the Test Boring Logs are referenced to the assumed benchmark shown on the Boring Location Plan (Figure 1). Unless otherwise noted, the elevations were determined with a conventional hand-level and are accurate to within about 1 foot.

Test Boring Locations

The test borings were located on-site based on the existing site features and/or apparent property lines. Dimensions illustrating the approximate boring locations are reported on the Boring Location Plan (Figure 1).

Water Level Measurement

The water levels reported on the Test Boring Logs represent the depth of “free” water encountered during drilling and/or after the drilling tools were removed from the borehole. Water levels measured within a granular (sand and gravel) soil profile are typically indicative of the water table elevation. It is usually not possible to accurately identify the water table elevation with cohesive (clayey) soils, since the rate of seepage is slow. The water table elevation within cohesive soils must therefore be determined over a period of time with groundwater observation wells.

It must be recognized that the water table may fluctuate seasonally and during periods of heavy precipitation. Depending on the subsurface conditions, water may also become perched above the water table, especially during wet periods.

Borehole Backfilling Procedures

Each borehole was backfilled upon completion of the field operations. If potential contamination was encountered, and/or if required by state or local regulations, boreholes were backfilled with an “impervious” material (such as bentonite slurry). Borings that penetrated pavements, sidewalks, etc. were “capped” with Portland Cement concrete, asphaltic concrete, or a similar surface material. It must, however, be recognized that the backfill material may settle, and the surface cap may subside, over a period of time. Further backfilling and/or re-surfacing by *Giles’* client or the property owner may be required.



FIELD SAMPLING AND TESTING PROCEDURES

Auger Sampling (AU)

Soil samples are removed from the auger flights as an auger is withdrawn above the ground surface. Such samples are used to determine general soil types and identify approximate soil stratifications. Auger samples are highly disturbed and are therefore not typically used for geotechnical strength testing.

Split-Barrel Sampling (SS) – (ASTM D-1586)

A split-barrel sampler with a 2-inch outside diameter is driven into the subsoil with a 140-pound hammer free-falling a vertical distance of 30 inches. The summation of hammer-blows required to drive the sampler the final 12-inches of an 18-inch sample interval is defined as the “Standard Penetration Resistance” or N-value is an index of the relative density of granular soils and the comparative consistency of cohesive soils. A soil sample is collected from each SPT interval.

Shelby Tube Sampling (ST) – (ASTM D-1587)

A relatively undisturbed soil sample is collected by hydraulically advancing a thin-walled Shelby Tube sampler into a soil mass. Shelby Tubes have a sharp cutting edge and are commonly 2 to 5 inches in diameter.

Bulk Sample (BS)

A relatively large volume of soils is collected with a shovel or other manually-operated tool. The sample is typically transported to *Giles’* materials laboratory in a sealed bag or bucket.

Dynamic Cone Penetration Test (DC) – (ASTM STP 399)

This test is conducted by driving a 1.5-inch-diameter cone into the subsoil using a 15-pound steel ring (hammer), free-falling a vertical distance of 20 inches. The number of hammer-blows required to drive the cone 1¾ inches is an indication of the soil strength and density, and is defined as “N”. The Dynamic Cone Penetration test is commonly conducted in hand auger borings, test pits and within excavated trenches.

- Continued -



Ring-Lined Barrel Sampling – (ASTM D 3550)

In this procedure, a ring-lined barrel sampler is used to collect soil samples for classification and laboratory testing. This method provides samples that fit directly into laboratory test instruments without additional handling/disturbance.

Sampling and Testing Procedures

The field testing and sampling operations were conducted in general accordance with the procedures recommended by the American Society for Testing and Materials (ASTM) and/or other relevant specifications. Results of the field testing (i.e. N-values) are reported on the Test Boring Logs. Explanations of the terms and symbols shown on the logs are provided on the appendix enclosure entitled "General Notes".



APPENDIX C

LABORATORY TESTING AND CLASSIFICATION

The laboratory testing was conducted under the supervision of a geotechnical engineer in accordance with the procedures recommended by the American Society for Testing and Materials (ASTM) and/or other relevant specifications. Brief descriptions of laboratory tests commonly performed by *Giles* are provided herein.

LABORATORY TESTING AND CLASSIFICATION

Photoionization Detector (PID)

In this procedure, soil samples are “scanned” in *Giles’* analytical laboratory using a Photoionization Detector (PID). The instrument is equipped with an 11.7 eV lamp calibrated to a Benzene Standard and is capable of detecting a minute concentration of **certain** Volatile Organic Compound (VOC) vapors, such as those commonly associated with petroleum products and some solvents. Results of the PID analysis are expressed in HNu (manufacturer’s) units rather than actual concentration.

Moisture Content (w) (ASTM D 2216)

Moisture content is defined as the ratio of the weight of water contained within a soil sample to the weight of the dry solids within the sample. Moisture content is expressed as a percentage.

Unconfined Compressive Strength (qu) (ASTM D 2166)

An axial load is applied at a uniform rate to a cylindrical soil sample. The unconfined compressive strength is the maximum stress obtained or the stress when 15% axial strain is reached, whichever occurs first.

Calibrated Penetrometer Resistance (qp)

The small, cylindrical tip of a hand-held penetrometer is pressed into a soil sample to a prescribed depth to measure the soils capacity to resist penetration. This test is used to evaluate unconfined compressive strength.

Vane-Shear Strength (qs)

The blades of a vane are inserted into the flat surface of a soil sample and the vane is rotated until failure occurs. The maximum shear resistance measured immediately prior to failure is taken as the vane-shear strength.

Loss-on-Ignition (ASTM D 2974; Method C)

The Loss-on-Ignition (L.O.I.) test is used to determine the organic content of a soil sample. The procedure is conducted by heating a dry soil sample to 440°C in order to burn-off or “ash” organic matter present within the sample. The L.O.I. value is the ratio of the weight loss due to ignition compared to the initial weight of the dry sample. L.O.I. is expressed as a percentage.



Particle Size Distribution (ASTB D 421, D 422, and D 1140)

This test is performed to determine the distribution of specific particle sizes (diameters) within a soil sample. The distribution of coarse-grained soil particles (sand and gravel) is determined from a "sieve analysis," which is conducted by passing the sample through a series of nested sieves. The distribution of fine-grained soil particles (silt and clay) is determined from a "hydrometer analysis" which is based on the sedimentation of particles suspended in water.

Consolidation Test (ASTM D 2435)

In this procedure, a series of cumulative vertical loads are applied to a small, laterally confined soil sample. During each load increment, vertical compression (consolidation) of the sample is measured over a period of time. Results of this test are used to estimate settlement and time rate of settlement.

Classification of Samples

Each soil sample was visually-manually classified, based on texture and plasticity, in general accordance with the Unified Soil Classification System (ASTM D-2488-75). The classifications are reported on the Test Boring Logs.

Laboratory Testing

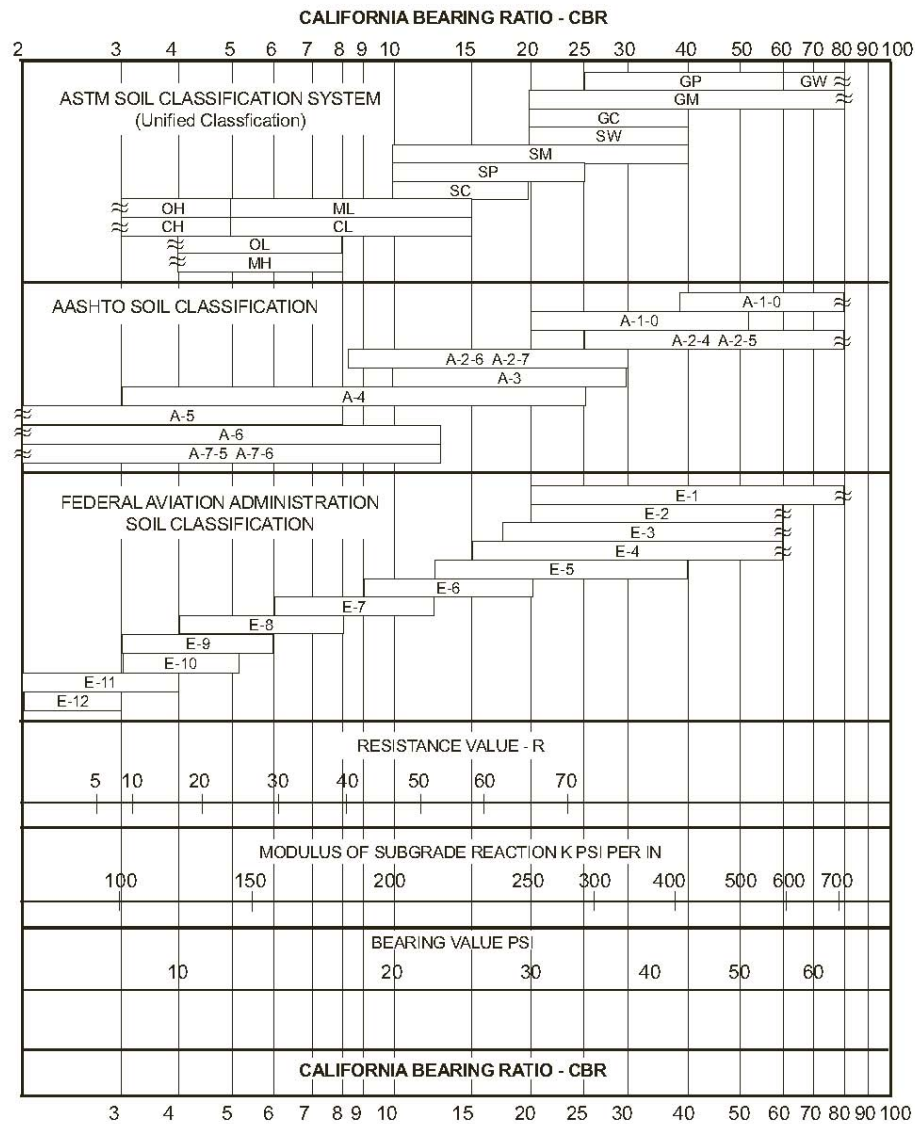
The laboratory testing operations were conducted in general accordance with the procedures recommended by the American Society for Testing and Materials (ASTM) and/or other relevant specifications. Results of the laboratory tests are provided on the Test Boring Logs or other appendix enclosures. Explanation of the terms and symbols used on the logs is provided on the appendix enclosure entitled "General Notes."



California Bearing Ratio (CBR) Test ASTM D-1833

The CBR test is used for evaluation of a soil subgrade for pavement design. The test consists of measuring the force required for a 3-square-inch cylindrical piston to penetrate 0.1 or 0.2 inch into a compacted soil sample. The result is expressed as a percent of force required to penetrate a standard compacted crushed stone.

Unless a CBR test has been specifically requested by the client, the CBR is estimated from published charts, based on soil classification and strength characteristics. A typical correlation chart is below.



APPENDIX D

GENERAL INFORMATION

AND

IMPORTANT INFORMATION ABOUT
YOUR GEOTECHNICAL REPORT

GENERAL COMMENTS

The soil samples obtained during the subsurface exploration will be retained for a period of thirty days. If no instructions are received, they will be disposed of at that time.

This report has been prepared exclusively for the client in order to aid in the evaluation of this property and to assist the architects and engineers in the design and preparation of the project plans and specifications. Copies of this report may be provided to contractor(s), with contract documents, to disclose information relative to this project. The report, however, has not been prepared to serve as the plans and specifications for actual construction without the appropriate interpretation by the project architect, structural engineer, and/or civil engineer. Reproduction and distribution of this report must be authorized by the client and *Giles*.

This report has been based on assumed conditions/characteristics of the proposed development where specific information was not available. It is recommended that the architect, civil engineer and structural engineer along with any other design professionals involved in this project carefully review these assumptions to ensure they are consistent with the actual planned development. When discrepancies exist, they should be brought to our attention to ensure they do not affect the conclusions and recommendations provided herein. The project plans and specifications may also be submitted to *Giles* for review to ensure that the geotechnical related conclusions and recommendations provided herein have been correctly interpreted.

The analysis of this site was based on a subsoil profile interpolated from a limited subsurface exploration. If the actual conditions encountered during construction vary from those indicated by the borings, *Giles* must be contacted immediately to determine if the conditions alter the recommendations contained herein.

The conclusions and recommendations presented in this report have been promulgated in accordance with generally accepted professional engineering practices in the field of geotechnical engineering. No other warranty is either expressed or implied.



**GUIDE SPECIFICATIONS FOR SUBGRADE AND GRADE PREPARATION
FOR FILL, FOUNDATION, FLOOR SLAB AND PAVEMENT SUPPORT;
AND SELECTION, PLACEMENT AND COMPACTION OF FILL SOILS
USING STANDARD PROCTOR PROCEDURES**

1. Construction monitoring and testing of subgrades and grades for fill, foundation, floor slab and pavement; and fill selection, placement and compaction shall be performed by an experienced soils engineer and/or his representatives.
2. All compaction fill, subgrades and grades shall be (a) underlain by suitable bearing material; (b) free of all organic, frozen, or other deleterious material, and (c) observed, tested and approved by qualified engineering personnel representing an experienced soils engineer. Preparation of subgrades after stripping vegetation, organic or other unsuitable materials shall consist of (a) proof-rolling to detect soil, wet yielding soils or other unstable materials that must be undercut, (b) scarifying top 6 to 8 inches, (c) moisture conditioning the soils as required, and (d) recompaction to same minimum in-situ density required for similar materials indicated under Item 5. Note: compaction requirements for pavement subgrade are higher than other areas. Weather and construction equipment may damage compacted fill surface and reworking and retesting may be necessary to assure proper performance.
3. In overexcavation and fill areas, the compacted fill must extend (a) a minimum 1 foot lateral distance beyond the exterior edge of the foundation at bearing grade or pavement subgrade and down to compacted fill subgrade on a maximum 0.5(H):1(V) slope, (b) 1 foot above footing grade outside the building, and (c) to floor subgrade inside the building. Fill shall be placed and compacted on a 5(H):1(V) slope or must be stepped or benched as required to flatten if not specifically approved by qualified personnel under the direction of an experienced soil engineer.
4. The compacted fill materials shall be free of deleterious, organic, or frozen matter, shall contain no chemicals that may result in the material being classified as "contaminated", and shall be low-expansive with a maximum Liquid Limit (ASTM D-423) and Plasticity Index (ASTM D-424) of 30 and 15, respectively, unless specifically tested and found to have low expansive properties and approved by an experienced soils engineer. The top 12 inches of compacted fill should have a maximum 3-inch-particle diameter and all underlying compacted fill a maximum 6-inch-diameter unless specifically approved by an experienced soils engineer. All fill materials must be tested and approved under the direction of an experienced soils engineer prior to placement. If the fill is to provide non-frost susceptible characteristics, it must be classified as a clean GW, GP, SW or SP per the Unified Soil Classification System (ASTM D-2487).
5. 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-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. Where the structural fill depth is greater than 20 feet, the portions below 20 feet should have a minimum in-place density of 100 percent of its maximum dry density of 5 percent greater than the top 20 feet. 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 expansion potentials ($PI > 15$) should, however, be placed, compacted and maintained prior to construction at a moisture content 3 ± 1 percent above optimum moisture content to limit further heave. The fill shall be placed in layers with a maximum loose thickness of 8 inches for foundations and 10 inches for floor slabs and pavement, unless specifically approved by the soils engineer taking into consideration the type of materials and compaction equipment being used. 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.
6. Excavation, filling, subgrade and grade preparation shall be performed in a manner and sequence that will provide drainage at all times and proper control of erosion. Precipitation, springs and seepage water encountered shall be pumped or drained to provide a suitable working platform. Springs or water seepage encountered during grading/foundation construction must be called to the soil engineer's attention immediately for possible construction procedure revision or inclusion of an underdrain system.
7. Non-structural fill adjacent to structural fill should typically be placed in unison to provide lateral support. Backfill along walls must be placed and compacted with care to ensure excessive unbalanced lateral pressures do not develop. The type of fill material placed adjacent to below-grade walls (i.e. basement walls and retaining walls) must be properly tested and approved by an experienced soils engineer with consideration for the lateral pressure used in the wall design.
8. Whenever, in the opinion of the soils engineer or the Owner's Representatives, an unstable condition is being created either by cutting or filling, the work shall not proceed into that area until an appropriate geotechnical exploration and analysis has been performed and the grading plan revised, if found necessary.



CHARACTERISTICS AND RATINGS OF UNIFIED SOIL SYSTEM CLASSES FOR SOIL CONSTRUCTION *									
Class	Compaction Characteristics	Max. Dry Density Standard Proctor (pcf)	Compressibility and Expansion	Drainage and Permeability	Value as an Embankment Material	Value as Subgrade When Not Subject to Frost	Value as Base Course	Value as Temporary Pavement	
								With Dust Palliative	With Bituminous Treatment
GW	Good: tractor, rubber-tired, steel wheel or vibratory roller	125-135	Almost none	Good drainage, pervious	Very stable	Excellent	Good	Fair to poor	Excellent
GP	Good: tractor, rubber-tired, steel wheel or vibratory roller	115-125	Almost none	Good drainage, pervious	Reasonably stable	Excellent to good	Poor to fair	Poor	
GM	Good: rubber-tired or light sheepsfoot roller	120-135	Slight	Poor drainage, semipervious	Reasonably stable	Excellent to good	Fair to poor	Poor	Poor to fair
GC	Good to fair: rubber-tired or sheepsfoot roller	115-130	Slight	Poor drainage, impervious	Reasonably stable	Good	Good to fair **	Excellent	Excellent
SW	Good: tractor, rubber-tired or vibratory roller	110-130	Almost none	Good drainage, pervious	Very stable	Good	Fair to poor	Fair to poor	Good
SP	Good: tractor, rubber-tired or vibratory roller	100-120	Almost none	Good drainage, pervious	Reasonably stable when dense	Good to fair	Poor	Poor	Poor to fair
SM	Good: rubber-tired or sheepsfoot roller	110-125	Slight	Poor drainage, impervious	Reasonably stable when dense	Good to fair	Poor	Poor	Poor to fair
SC	Good to fair: rubber-tired or sheepsfoot roller	105-125	Slight to medium	Poor drainage, impervious	Reasonably stable	Good to fair	Fair to poor	Excellent	Excellent
ML	Good to poor: rubber-tired or sheepsfoot roller	95-120	Slight to medium	Poor drainage, impervious	Poor stability, high density required	Fair to poor	Not suitable	Poor	Poor
CL	Good to fair: sheepsfoot or rubber-tired roller	95-120	Medium	No drainage, impervious	Good stability	Fair to poor	Not suitable	Poor	Poor
OL	Fair to poor: sheepsfoot or rubber-tired roller	80-100	Medium to high	Poor drainage, impervious	Unstable, should not be used	Poor	Not suitable	Not suitable	Not suitable
MH	Fair to poor: sheepsfoot or rubber-tired roller	70-95	High	Poor drainage, impervious	Poor stability, should not be used	Poor	Not suitable	Very poor	Not suitable
CH	Fair to poor: sheepsfoot roller	80-105	Very high	No drainage, impervious	Fair stability, may soften on expansion	Poor to very poor	Not suitable	Very poor	Not suitable
OH	Fair to poor: sheepsfoot roller	65-100	High	No drainage, impervious	Unstable, should not be used	Very poor	Not suitable	Not suitable	Not suitable
Pt	Not suitable		Very high	Fair to poor drainage	Should not be used	Not suitable	Not suitable	Not suitable	Not suitable

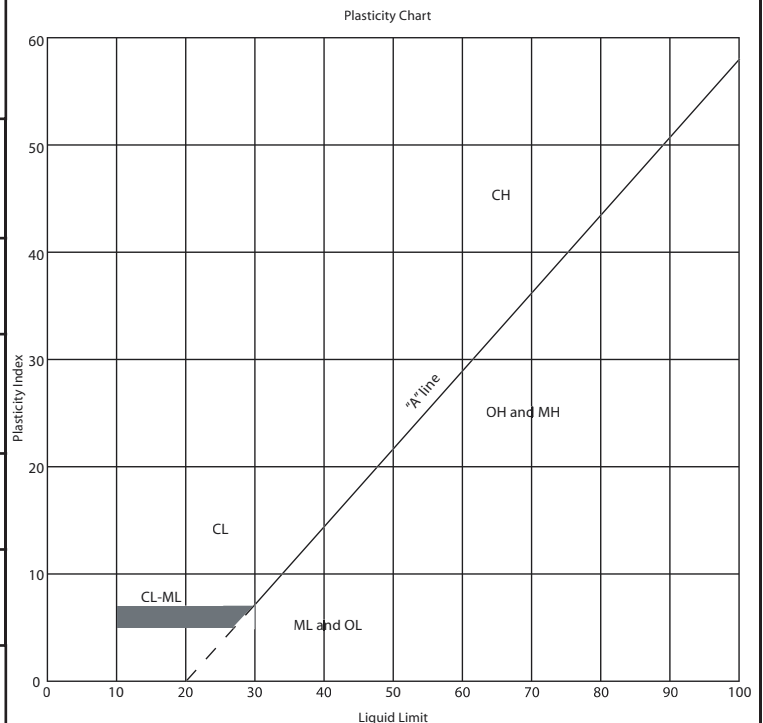
* "The Unified Classification: Appendix A - Characteristics of Soil, Groups Pertaining to Roads and Airfields, and Appendix B - Characteristics of Soil Groups Pertaining to Embankments and Foundations," Technical Memorandum 357, U.S. Waterways Experiment Station, Vicksburg, 1953.

** Not suitable if subject to frost.

UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)

Major Divisions		Group Symbols	Typical Names	Laboratory Classification Criteria	
Coarse-grained soils (more than half of material is larger than No. 200 sieve size)	Gravels (More than half of coarse fraction is larger than No. 4 sieve size)	Clean gravels (little or no fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines	Not meeting all gradation requirements for GW
		Gravels with fines (appreciable amount of fines)	GM ^a d	Silty gravels, gravel-sand-silt mixtures	Atterberg limits below "A" line or P.I. less than 4 Limits plotting within shaded area, above "A" line with P.I. between 4 and 7 are <i>borderline</i> cases requiring use of dual symbols
			GM ^a u		
			GC	Clayey gravels, gravel-sand-clay mixtures	Atterberg limits above "A" line or P.I. greater than 7
	Sands (More than half of coarse fraction is smaller than No. 4 sieve size)	Clean sands (little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3
			SP	Poorly graded sands, gravelly sands, little or no fines	Not meeting all gradation requirements for SW
		Sands with fines (Appreciable amount of fines)	SM ^a d	Silty sands, sand-silt mixtures	Atterberg limits below "A" line or P.I. less than 4 Limits plotting within shaded area, above "A" line with P.I. between 4 and 7 are <i>borderline</i> cases requiring use of dual symbols
			SM ^a u		
			SC	Clayey sands, sand-clay mixtures	Atterberg limits above "A" line or P.I. greater than 7
Fine-grained soils (More than half material is smaller than No. 200 sieve size)	Sils and clays (Liquid limit less than 50)	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity		
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays		
		OL	Organic silts and organic silty clays of low plasticity		
	Sils and clays (Liquid limit greater than 50)	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts		
		CH	Inorganic clays of high plasticity, fat clays		
		OH	Organic clays of medium to high plasticity, organic silts		
	Highly organic soils	Pt	Peat and other highly organic soils		

Determine percentages of sand and gravel from grain-size curve.
Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:
Less than 5 percent: GW, GP, SW, SP
More than 12 percent: GM, GC, SM, SC
5 to 12 percent: *Borderline* cases requiring dual symbols^b



^a Division of GM and SM groups into subdivisions of d and u are for roads and airfields only. Subdivision is based on Atterberg limits, suffix d used when L.L. is 28 or less and the P.I. is 6 or less; the suffix u is used when L.L. is greater than 28.

^b Borderline classifications, used for soils possessing characteristics of two groups, are designated by combinations of group symbols. For example GW-GC, well-graded gravel-sand mixture with clay binder.

GENERAL NOTES

SAMPLE IDENTIFICATION

All samples are visually classified in general accordance with the Unified Soil Classification System (ASTM D-2487-75 or D-2488-75)

DESCRIPTIVE TERM (% BY DRY WEIGHT)

Trace:	1-10%
Little:	11-20%
Some:	21-35%
And/Adjective	36-50%

PARTICLE SIZE (DIAMETER)

Boulders:	8 inch and larger
Cobbles:	3 inch to 8 inch
Gravel:	coarse - ¾ to 3 inch fine - No. 4 (4.76 mm) to ¾ inch
Sand:	coarse - No. 4 (4.76 mm) to No. 10 (2.0 mm) medium - No. 10 (2.0 mm) to No. 40 (0.42 mm) fine - No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt:	No. 200 (0.074 mm) and smaller (non-plastic)
Clay:	No 200 (0.074 mm) and smaller (plastic)

SOIL PROPERTY SYMBOLS

Dd:	Dry Density (pcf)
LL:	Liquid Limit, percent
PL:	Plastic Limit, percent
PI:	Plasticity Index (LL-PL)
LOI:	Loss on Ignition, percent
Gs:	Specific Gravity
K:	Coefficient of Permeability
w:	Moisture content, percent
qp:	Calibrated Penetrometer Resistance, tsf
qs:	Vane-Shear Strength, tsf
qu:	Unconfined Compressive Strength, tsf
qc:	Static Cone Penetrometer Resistance (correlated to Unconfined Compressive Strength, tsf)
PID:	Results of vapor analysis conducted on representative samples utilizing a Photoionization Detector calibrated to a benzene standard. Results expressed in HNU-Units. (BDL=Below Detection Limit)

N:	Penetration Resistance per 12 inch interval, or fraction thereof, for a standard 2 inch O.D. (1½ inch I.D.) split spoon sampler driven with a 140 pound weight free-falling 30 inches. Performed in general accordance with Standard Penetration Test Specifications (ASTM D-1586). N in blows per foot equals sum of N-Values where plus sign (+) is shown.
Nc:	Penetration Resistance per 1¾ inches of Dynamic Cone Penetrometer. Approximately equivalent to Standard Penetration Test N-Value in blows per foot.
Nr:	Penetration Resistance per 12 inch interval, or fraction thereof, for California Ring Sampler driven with a 140 pound weight free-falling 30 inches per ASTM D-3550. Not equivalent to Standard Penetration Test N-Value.

DRILLING AND SAMPLING SYMBOLS

SS:	Split-Spoon
ST:	Shelby Tube - 3 inch O.D. (except where noted)
CS:	3 inch O.D. California Ring Sampler
DC:	Dynamic Cone Penetrometer per ASTM Special Technical Publication No. 399
AU:	Auger Sample
DB:	Diamond Bit
CB:	Carbide Bit
WS:	Wash Sample
RB:	Rock-Roller Bit
BS:	Bulk Sample
Note:	Depth intervals for sampling shown on Record of Subsurface Exploration are not indicative of sample recovery, but position where sampling initiated

SOIL STRENGTH CHARACTERISTICS

COHESIVE (CLAYEY) SOILS

COMPARATIVE CONSISTENCY	BLOWS PER FOOT (N)	UNCONFINED COMPRESSIVE STRENGTH (TSF)
Very Soft	0 - 2	0 - 0.25
Soft	3 - 4	0.25 - 0.50
Medium Stiff	5 - 8	0.50 - 1.00
Stiff	9 - 15	1.00 - 2.00
Very Stiff	16 - 30	2.00 - 4.00
Hard	31+	4.00+

NON-COHESIVE (GRANULAR) SOILS

RELATIVE DENSITY	BLOWS PER FOOT (N)
Very Loose	0 - 4
Loose	5 - 10
Firm	11 - 30
Dense	31 - 50
Very Dense	51+

DEGREE OF PLASTICITY	PI	DEGREE OF EXPANSIVE POTENTIAL	PI
None to Slight	0 - 4	Low	0 - 15
Slight	5 - 10	Medium	15 - 25
Medium	11 - 30	High	25+
High to Very High	31+		



Important Information About Your Geotechnical Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

The following information is provided to help you manage your risks.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared *solely* for the client. No one except you should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you — should apply the report for any purpose or project except the one originally contemplated.*

Read the Full Report

Serious problems have occurred because those relying on a geotechnical engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A Geotechnical Engineering Report Is Based on A Unique Set of Project-Specific Factors

Geotechnical engineers consider a number of unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical engineering report that was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light industrial plant to a refrigerated warehouse,

- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ—sometimes significantly—from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are *Not* Final

Do not overrely on the construction recommendations included in your report. *Those recommendations are not final*, because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations only by observing actual

subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's recommendations if that engineer does not perform construction observation.*

A Geotechnical Engineering Report Is Subject to Misinterpretation

Other design team members' misinterpretation of geotechnical engineering reports has resulted in costly problems. Lower that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a geotechnical engineering report. Reduce that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing construction observation.

Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

Give Contractors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make contractors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give contractors the complete geotechnical engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise contractors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure contractors have sufficient time to perform additional study.* Only then might you be in a position to give contractors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

Read Responsibility Provisions Closely

Some clients, design professionals, and contractors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that

have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations" many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform a *geoenvironmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical engineering report does not usually relate any geoenvironmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own geoenvironmental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

Obtain Professional Assistance To Deal with Mold

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, a number of mold prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; ***none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention. Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.***

Rely on Your ASFE-Member Geotechnical Engineer for Additional Assistance

Membership in ASFE/The Best People on Earth exposes geotechnical engineers to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a construction project. Confer with you ASFE-member geotechnical engineer for more information.



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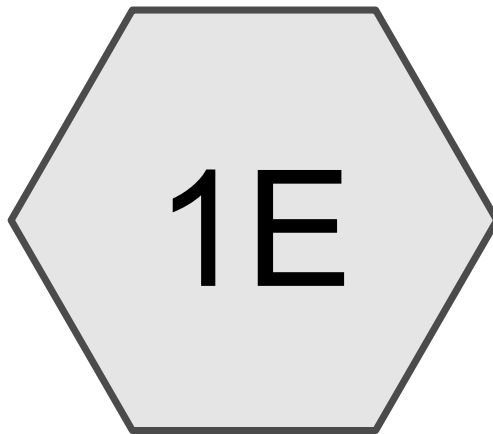


APPENDIX 3

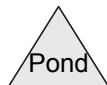
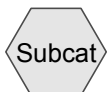
EXISTING SITE HYDROLOGY

- Existing Conditions Hydrology Exhibit
- Existing Conditions HydroCAD Output





EXISTING



Routing Diagram for 19-9231 Mukwonago RCAC revised
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19-9231 Mukwonago RCAC revised

Prepared by Microsoft

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Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
1.055	61	>75% Grass cover, Good, HSG B (1E)
0.010	96	Gravel surface, HSG B (1E)
0.235	98	IMPERVIOUS (1E)

19-9231 Mukwonago RCAC revised

MSE 24-hr 3 1 Year Rainfall=2.40"

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Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1E: EXISTING

Runoff Area=56,620 sf 18.09% Impervious Runoff Depth=0.34"

Tc=6.0 min CN=68 Runoff=0.63 cfs 0.037 af

Summary for Subcatchment 1E: EXISTING

Runoff = 0.63 cfs @ 12.15 hrs, Volume= 0.037 af, Depth= 0.34"

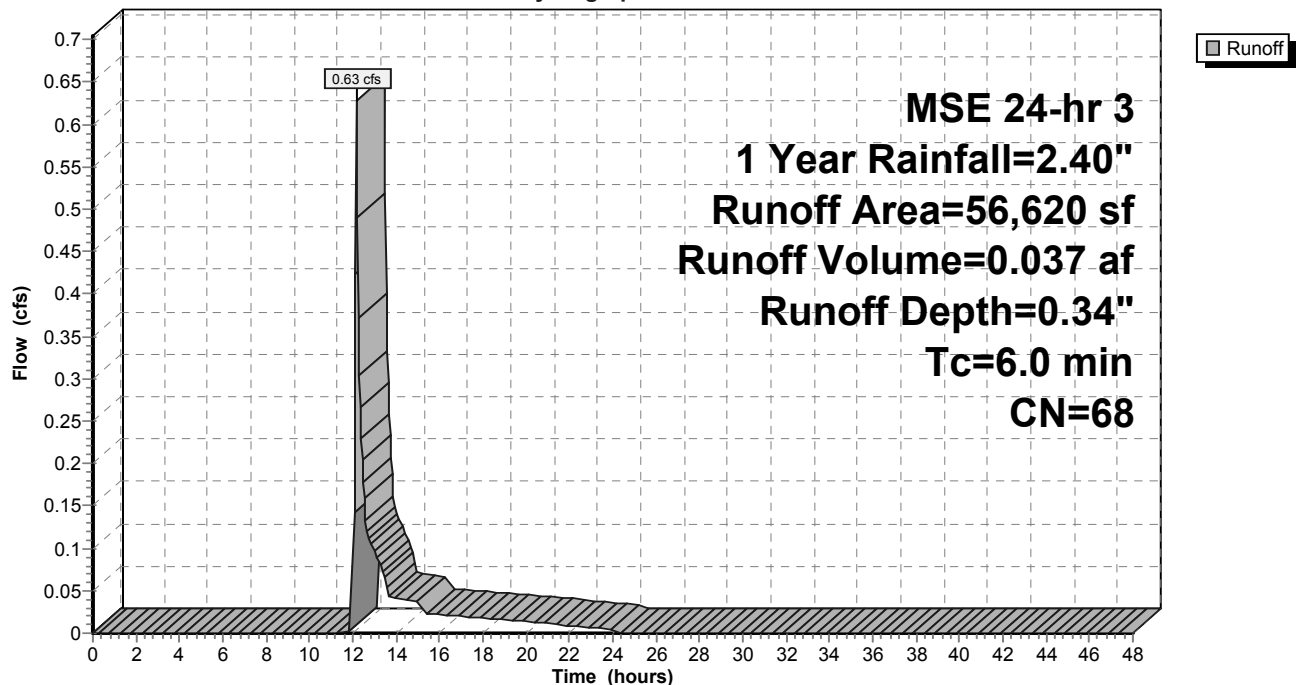
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1 Year Rainfall=2.40"

Area (sf)	CN	Description
45,945	61	>75% Grass cover, Good, HSG B
* 10,240	98	IMPERVIOUS
435	96	Gravel surface, HSG B
56,620	68	Weighted Average
46,380		81.91% Pervious Area
10,240		18.09% Impervious Area

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

Subcatchment 1E: EXISTING

Hydrograph



19-9231 Mukwonago RCAC revised

MSE 24-hr 3 2 Year Rainfall=2.70"

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Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1E: EXISTING

Runoff Area=56,620 sf 18.09% Impervious Runoff Depth=0.48"

Tc=6.0 min CN=68 Runoff=0.96 cfs 0.052 af

Summary for Subcatchment 1E: EXISTING

Runoff = 0.96 cfs @ 12.15 hrs, Volume= 0.052 af, Depth= 0.48"

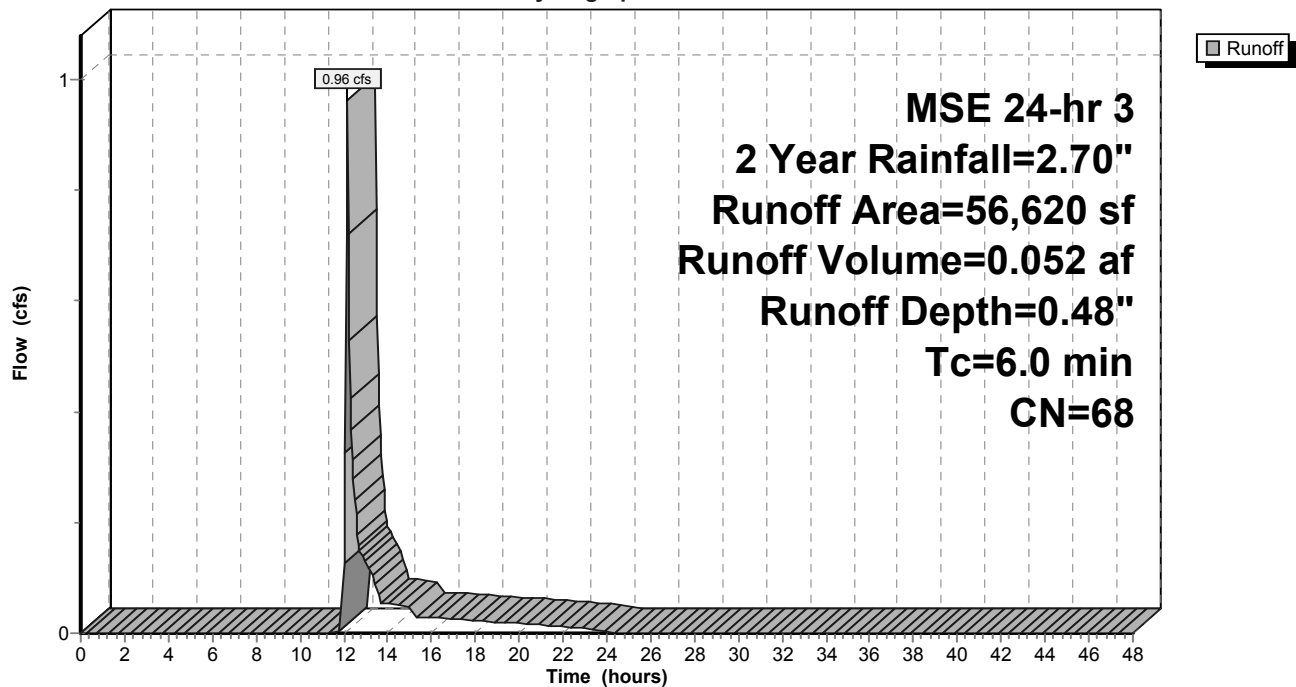
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2 Year Rainfall=2.70"

Area (sf)	CN	Description
45,945	61	>75% Grass cover, Good, HSG B
* 10,240	98	IMPERVIOUS
435	96	Gravel surface, HSG B
56,620	68	Weighted Average
46,380		81.91% Pervious Area
10,240		18.09% Impervious Area

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

Subcatchment 1E: EXISTING

Hydrograph



19-9231 Mukwonago RCAC revised

MSE 24-hr 3 10 Year Rainfall=3.81"

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Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1E: EXISTING

Runoff Area=56,620 sf 18.09% Impervious Runoff Depth=1.08"

Tc=6.0 min CN=68 Runoff=2.46 cfs 0.117 af

Summary for Subcatchment 1E: EXISTING

Runoff = 2.46 cfs @ 12.14 hrs, Volume= 0.117 af, Depth= 1.08"

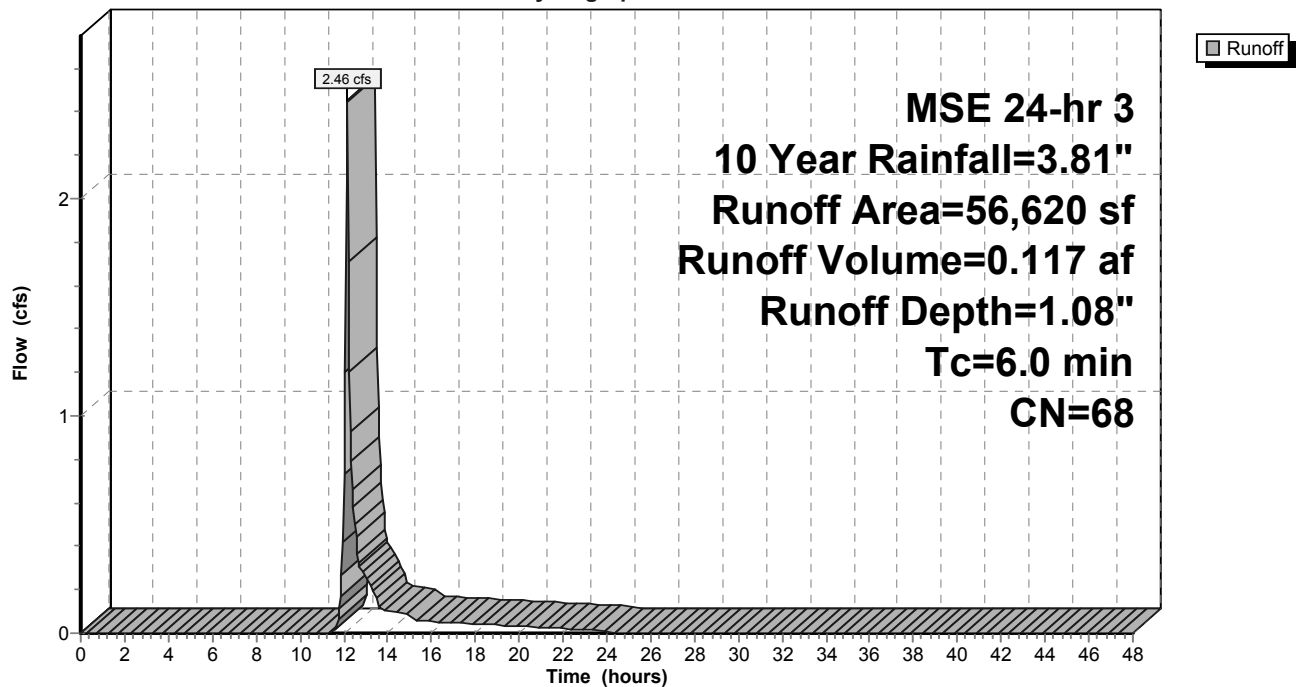
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10 Year Rainfall=3.81"

Area (sf)	CN	Description
45,945	61	>75% Grass cover, Good, HSG B
* 10,240	98	IMPERVIOUS
435	96	Gravel surface, HSG B
56,620	68	Weighted Average
46,380		81.91% Pervious Area
10,240		18.09% Impervious Area

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

Subcatchment 1E: EXISTING

Hydrograph



19-9231 Mukwonago RCAC revised

MSE 24-hr 3 100 Year Rainfall=6.18"

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Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1E: EXISTING

Runoff Area=56,620 sf 18.09% Impervious Runoff Depth=2.76"

Tc=6.0 min CN=68 Runoff=6.44 cfs 0.299 af

Summary for Subcatchment 1E: EXISTING

Runoff = 6.44 cfs @ 12.14 hrs, Volume= 0.299 af, Depth= 2.76"

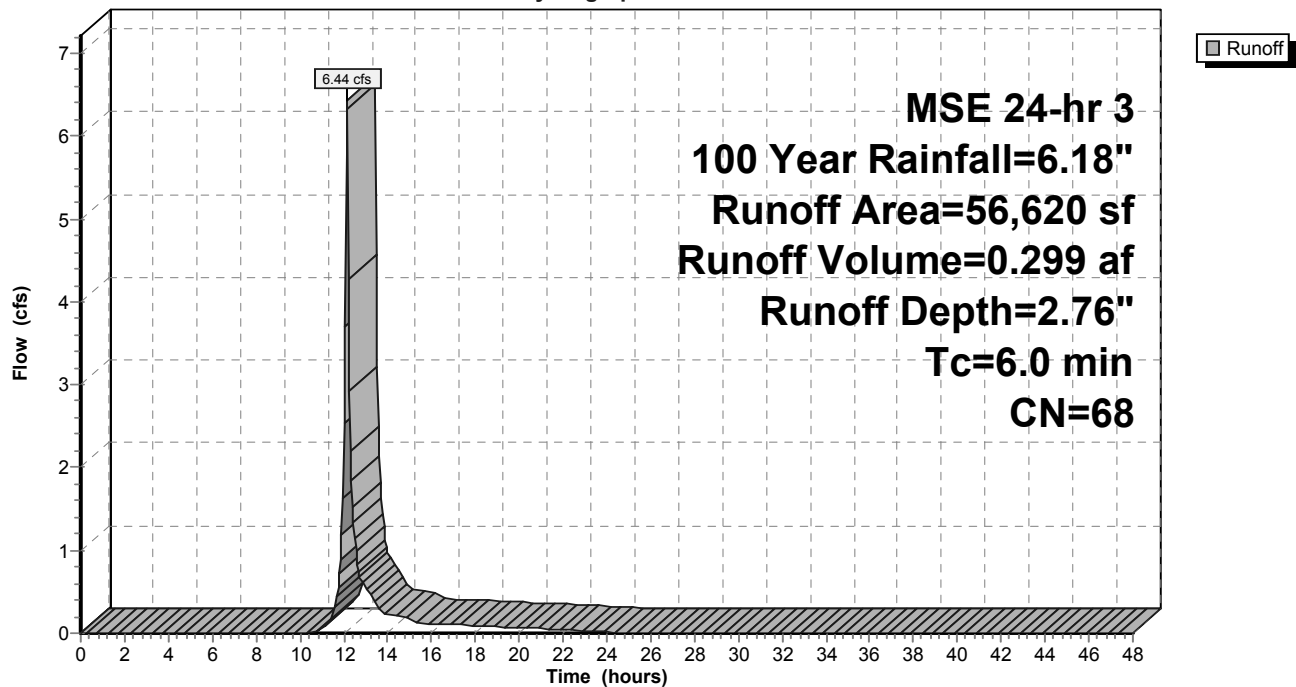
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100 Year Rainfall=6.18"

Area (sf)	CN	Description
45,945	61	>75% Grass cover, Good, HSG B
* 10,240	98	IMPERVIOUS
435	96	Gravel surface, HSG B
56,620	68	Weighted Average
46,380		81.91% Pervious Area
10,240		18.09% Impervious Area

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

Subcatchment 1E: EXISTING

Hydrograph

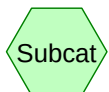
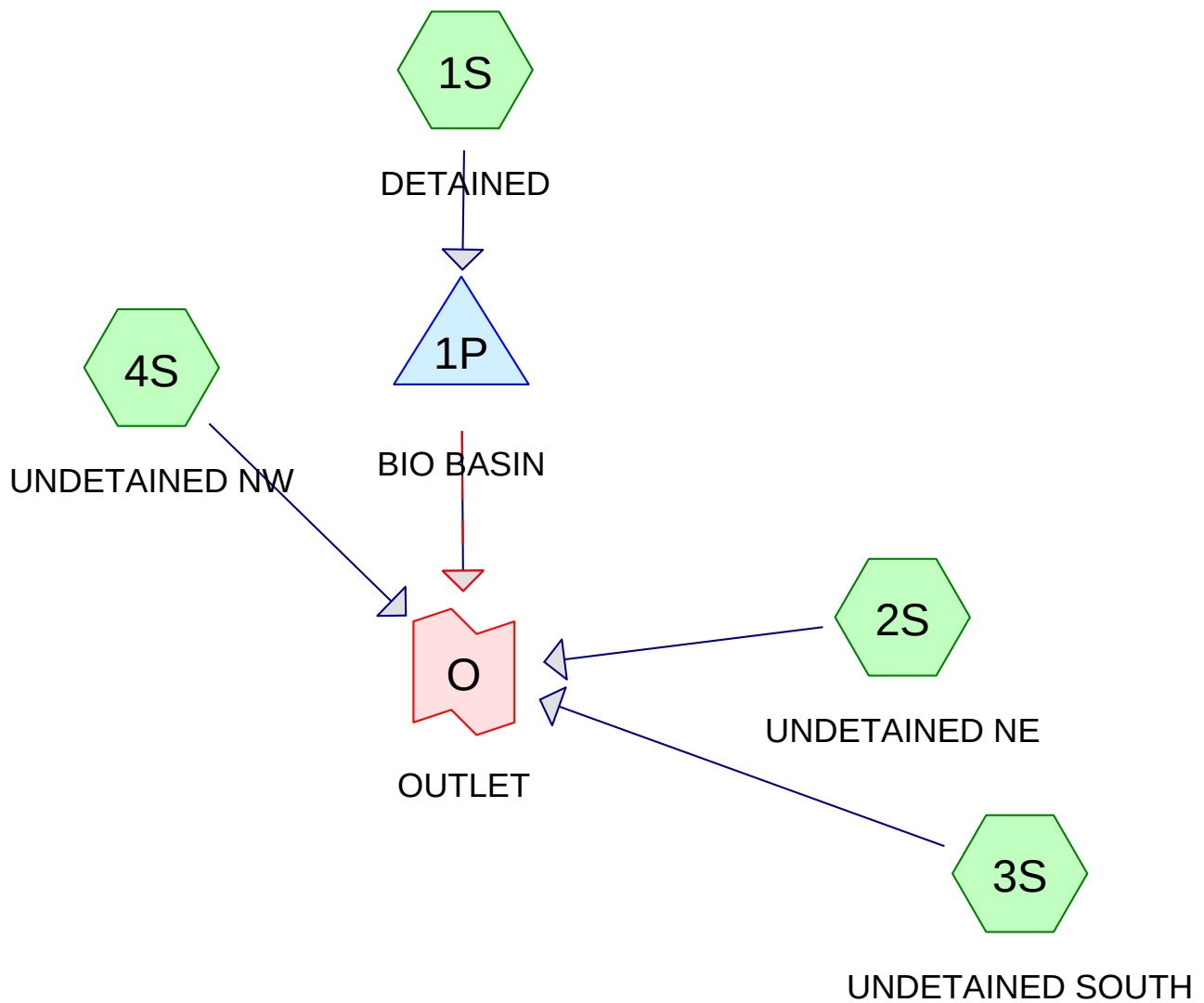


APPENDIX 4

PROPOSED SITE HYDROLOGY

- Proposed Conditions Hydrology Exhibit
- Proposed Conditions HydroCAD Output

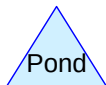




Subcat



Reach



Pond



Link

Routing Diagram for 19-9231 Mukwonago RCAC
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Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.592	61	>75% Grass cover, Good, HSG B (1S, 2S, 3S, 4S)
0.041	98	DRIVEWAY (1S, 2S)
0.260	98	PARKING (1S)
0.011	98	ROOF (4S)
0.151	98	Roof (2S)
0.034	98	SIDEWALK (1S, 2S, 3S, 4S)
0.211	98	Unconnected roofs, HSG C (1S)
1.300	81	TOTAL AREA

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Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.592	HSG B	1S, 2S, 3S, 4S
0.211	HSG C	1S
0.000	HSG D	
0.497	Other	1S, 2S, 3S, 4S
1.300		TOTAL AREA

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Page 4

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.592	0.000	0.000	0.000	0.592	>75% Grass cover, Good	1S, 2S, 3S, 4S
0.000	0.000	0.000	0.000	0.041	0.041	DRIVEWAY	1S, 2S
0.000	0.000	0.000	0.000	0.260	0.260	PARKING	1S
0.000	0.000	0.000	0.000	0.011	0.011	ROOF	4S
0.000	0.000	0.000	0.000	0.151	0.151	Roof	2S
0.000	0.000	0.000	0.000	0.034	0.034	SIDEWALK	1S, 2S, 3S, 4S
0.000	0.000	0.211	0.000	0.000	0.211	Unconnected roofs	1S
0.000	0.592	0.211	0.000	0.497	1.300	TOTAL AREA	

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Pipe Listing (selected nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Diam/Width (inches)	Height (inches)	Inside-Fill (inches)
1	1P	811.00	810.83	41.4	0.0041	0.010	8.0	0.0	0.0
2	1P	811.43	811.00	86.0	0.0050	0.100	6.0	0.0	0.0

19-9231 Mukwonago RCAC*MSE 24-hr 3 1 Year Rainfall=2.40"*

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Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: DETAINED

Runoff Area=39,775 sf 56.49% Impervious Runoff Depth=0.92"
Tc=6.0 min CN=82 Runoff=1.51 cfs 0.070 af

Subcatchment2S: UNDETAINEDNE

Runoff Area=14,560 sf 49.79% Impervious Runoff Depth=0.79"
Tc=6.0 min CN=79 Runoff=0.47 cfs 0.022 af

Subcatchment3S: UNDETAINEDSOUTH

Runoff Area=1,570 sf 32.17% Impervious Runoff Depth=0.51"
Tc=6.0 min CN=73 Runoff=0.03 cfs 0.002 af

Subcatchment4S: UNDETAINEDNW

Runoff Area=715 sf 86.71% Impervious Runoff Depth=1.69"
Tc=6.0 min CN=93 Runoff=0.05 cfs 0.002 af

Pond 1P: BIO BASIN

Peak Elev=813.13' Storage=1,619 cf Inflow=1.51 cfs 0.070 af
Discarded=0.01 cfs 0.017 af Primary=0.10 cfs 0.053 af Secondary=0.00 cfs 0.000 af Outflow=0.11 cfs 0.070 af

Link O: OUTLET

Inflow=0.61 cfs 0.079 af
Primary=0.61 cfs 0.079 af

Total Runoff Area = 1.300 ac Runoff Volume = 0.096 af Average Runoff Depth = 0.89"
45.52% Pervious = 0.592 ac 54.48% Impervious = 0.708 ac

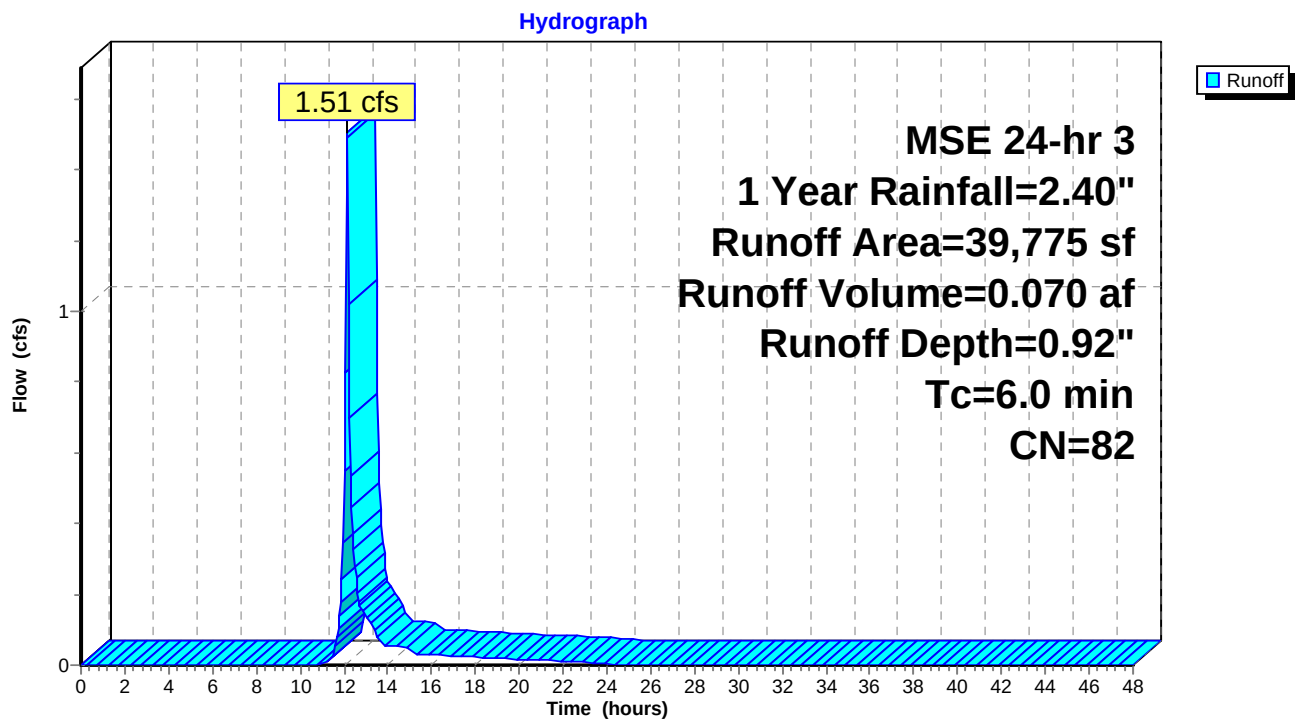
Summary for Subcatchment 1S: DETAINED

Runoff = 1.51 cfs @ 12.14 hrs, Volume= 0.070 af, Depth= 0.92"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1 Year Rainfall=2.40"

	Area (sf)	CN	Description
*	1,710	98	DRIVEWAY
	14,750	61	>75% Grass cover, Good, HSG B
	9,210	98	Unconnected roofs, HSG C
*	11,310	98	PARKING
*	240	98	SIDEWALK
	2,555	61	>75% Grass cover, Good, HSG B
	39,775	82	Weighted Average
	17,305		43.51% Pervious Area
	22,470		56.49% Impervious Area
	9,210		40.99% Unconnected

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

Subcatchment 1S: DETAINED

Summary for Subcatchment 2S: UNDETAINED NE

Runoff = 0.47 cfs @ 12.14 hrs, Volume= 0.022 af, Depth= 0.79"

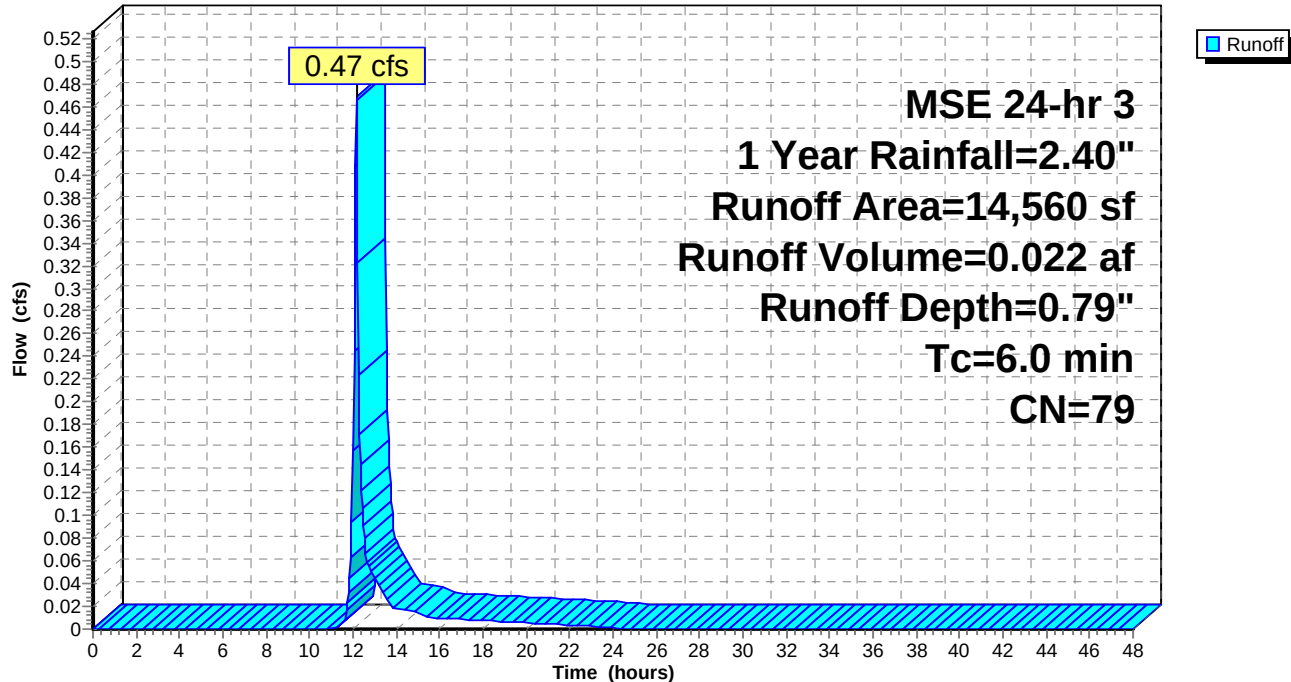
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1 Year Rainfall=2.40"

	Area (sf)	CN	Description
	5,975	61	>75% Grass cover, Good, HSG B
*	80	98	DRIVEWAY
*	610	98	SIDEWALK
	1,335	61	>75% Grass cover, Good, HSG B
*	6,560	98	Roof
	14,560	79	Weighted Average
	7,310		50.21% Pervious Area
	7,250		49.79% Impervious Area

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

Subcatchment 2S: UNDETAINED NE

Hydrograph



Summary for Subcatchment 3S: UNDETAINED SOUTH

Runoff = 0.03 cfs @ 12.15 hrs, Volume= 0.002 af, Depth= 0.51"

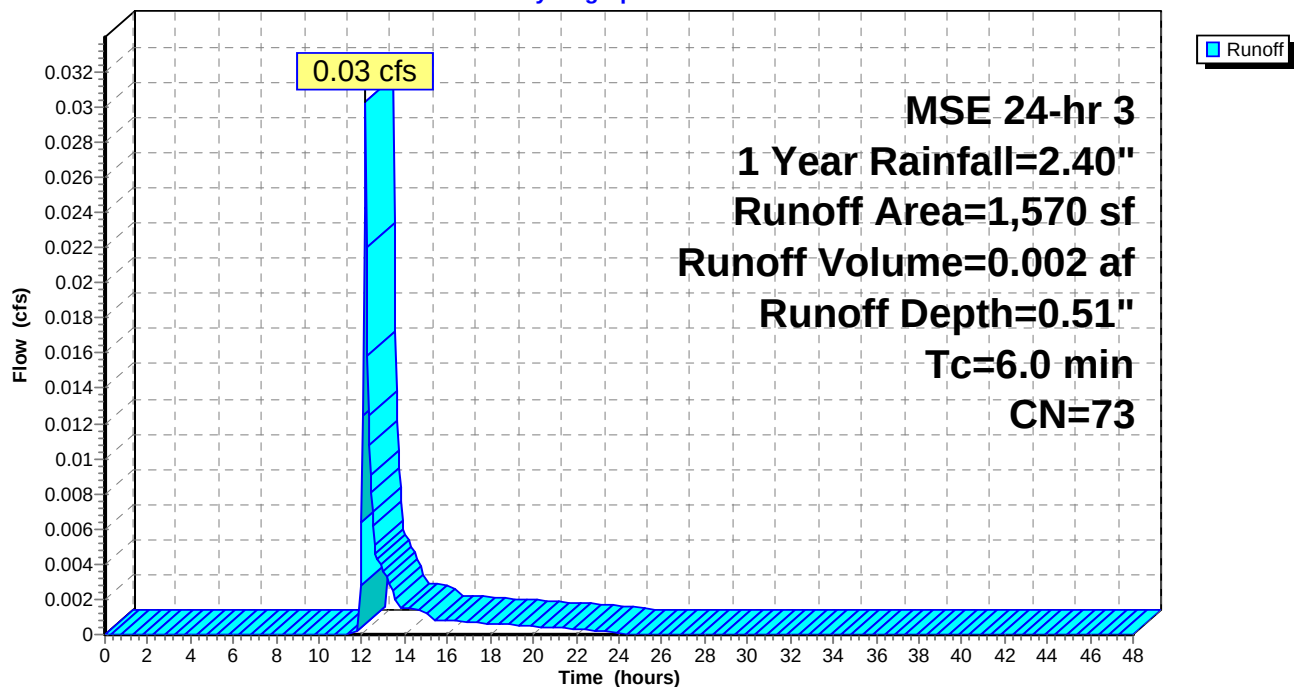
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1 Year Rainfall=2.40"

Area (sf)	CN	Description
1,065	61	>75% Grass cover, Good, HSG B
* 505	98	SIDEWALK
1,570	73	Weighted Average
1,065		67.83% Pervious Area
505		32.17% Impervious Area

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

Subcatchment 3S: UNDETAINED SOUTH

Hydrograph



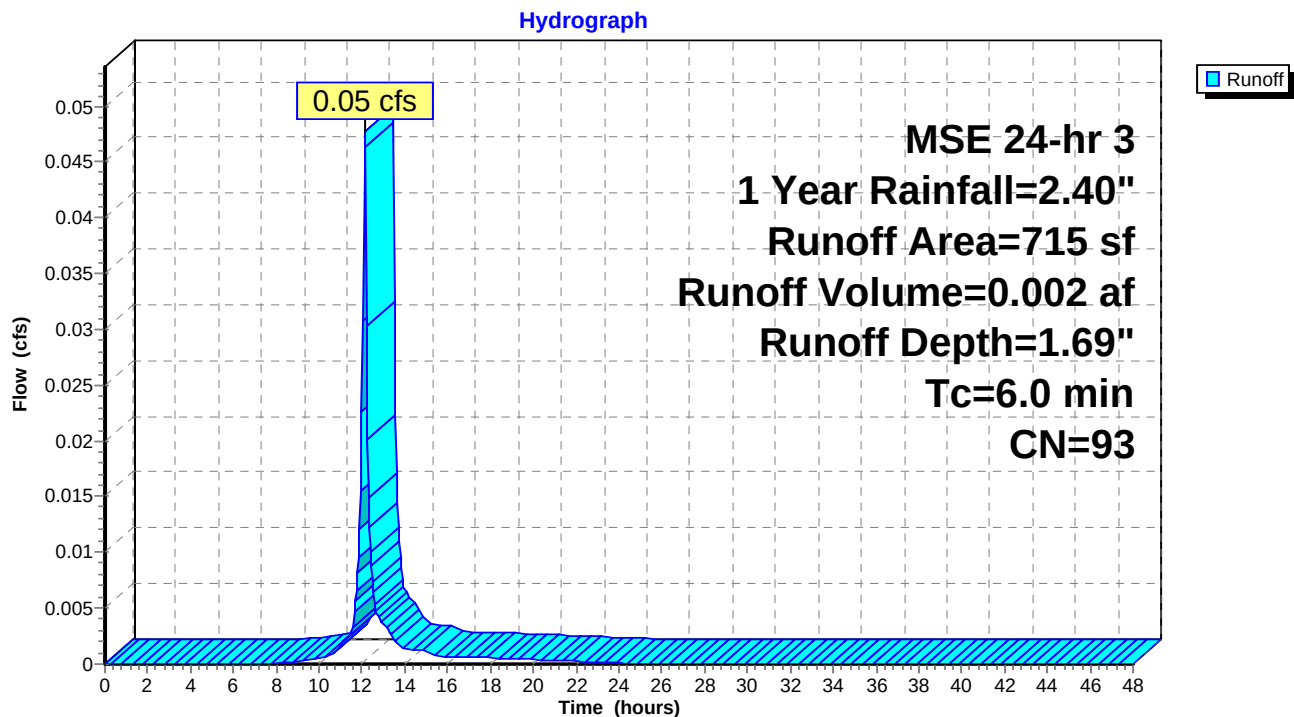
Summary for Subcatchment 4S: UNDETAINED NW

Runoff = 0.05 cfs @ 12.13 hrs, Volume= 0.002 af, Depth= 1.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 1 Year Rainfall=2.40"

	Area (sf)	CN	Description
	95	61	>75% Grass cover, Good, HSG B
*	490	98	ROOF
*	130	98	SIDEWALK
	715	93	Weighted Average
	95		13.29% Pervious Area
	620		86.71% Impervious Area

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

Subcatchment 4S: UNDETAINED NW

Summary for Pond 1P: BIO BASIN

Inflow Area = 0.913 ac, 56.49% Impervious, Inflow Depth = 0.92" for 1 Year event
 Inflow = 1.51 cfs @ 12.14 hrs, Volume= 0.070 af
 Outflow = 0.11 cfs @ 13.31 hrs, Volume= 0.070 af, Atten= 93%, Lag= 70.3 min
 Discarded = 0.01 cfs @ 13.31 hrs, Volume= 0.017 af
 Primary = 0.10 cfs @ 13.31 hrs, Volume= 0.053 af
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
 Peak Elev= 813.13' @ 13.31 hrs Surf.Area= 2,381 sf Storage= 1,619 cf

Plug-Flow detention time= 257.7 min calculated for 0.070 af (100% of inflow)
 Center-of-Mass det. time= 257.6 min (1,078.2 - 820.7)

Volume	Invert	Avail.Storage	Storage Description			
#1	811.00'	9,377 cf	Custom Stage Data (Irregular) Listed below (Recalc)			
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
811.00	2,289	225.0	0.0	0	0	2,289
811.50	2,289	225.0	33.0	378	378	2,402
812.00	2,289	225.0	27.0	309	687	2,514
813.00	2,289	225.0	27.0	618	1,305	2,739
814.00	3,017	248.0	100.0	2,645	3,949	3,636
815.00	3,824	272.0	100.0	3,413	7,362	4,663
815.50	4,239	281.0	100.0	2,015	9,377	5,083

Device	Routing	Invert	Outlet Devices
#1	Discarded	811.00'	0.150 in/hr Exfiltration over Horizontal area Conductivity to Groundwater Elevation = 20.00'
#2	Primary	811.00'	8.0" Round Culvert L= 41.4' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 811.00' / 810.83' S= 0.0041 '/' Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 0.35 sf
#3	Device 2	811.43'	6.0" Round Culvert L= 86.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 811.43' / 811.00' S= 0.0050 '/' Cc= 0.900 n= 0.100, Flow Area= 0.20 sf
#4	Device 3	811.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 800.00'
#5	Device 2	813.25'	6.0" Vert. Orifice/Grate C= 0.600
#6	Device 2	814.70'	24.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#7	Secondary	814.80'	20.0' long x 10.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Discarded OutFlow Max=0.01 cfs @ 13.31 hrs HW=813.13' (Free Discharge)

1=Exfiltration (Controls 0.01 cfs)

Primary OutFlow Max=0.10 cfs @ 13.31 hrs HW=813.13' (Free Discharge)

2=Culvert (Passes 0.10 cfs of 1.78 cfs potential flow)

3=Culvert (Barrel Controls 0.10 cfs @ 0.51 fps)

4=Exfiltration (Passes 0.10 cfs of 0.24 cfs potential flow)

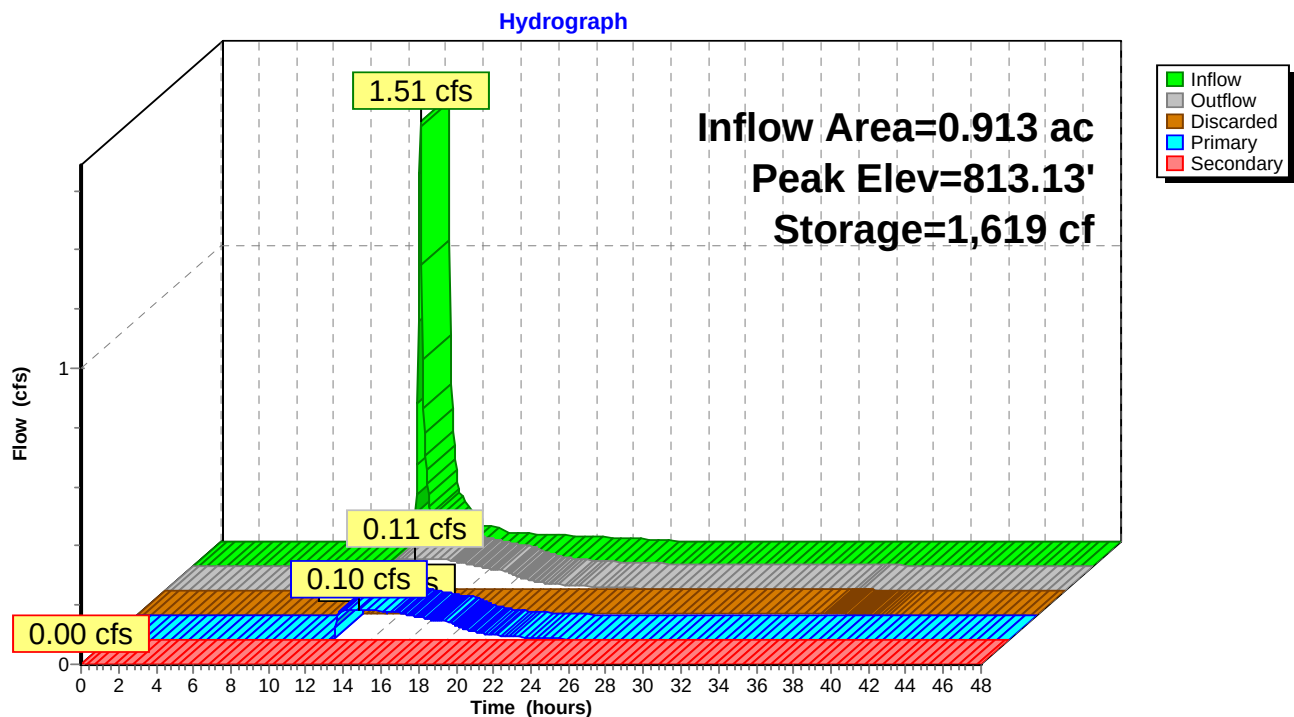
5=Orifice/Grate (Controls 0.00 cfs)

6=Orifice/Grate (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=811.00' (Free Discharge)

7=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: BIO BASIN



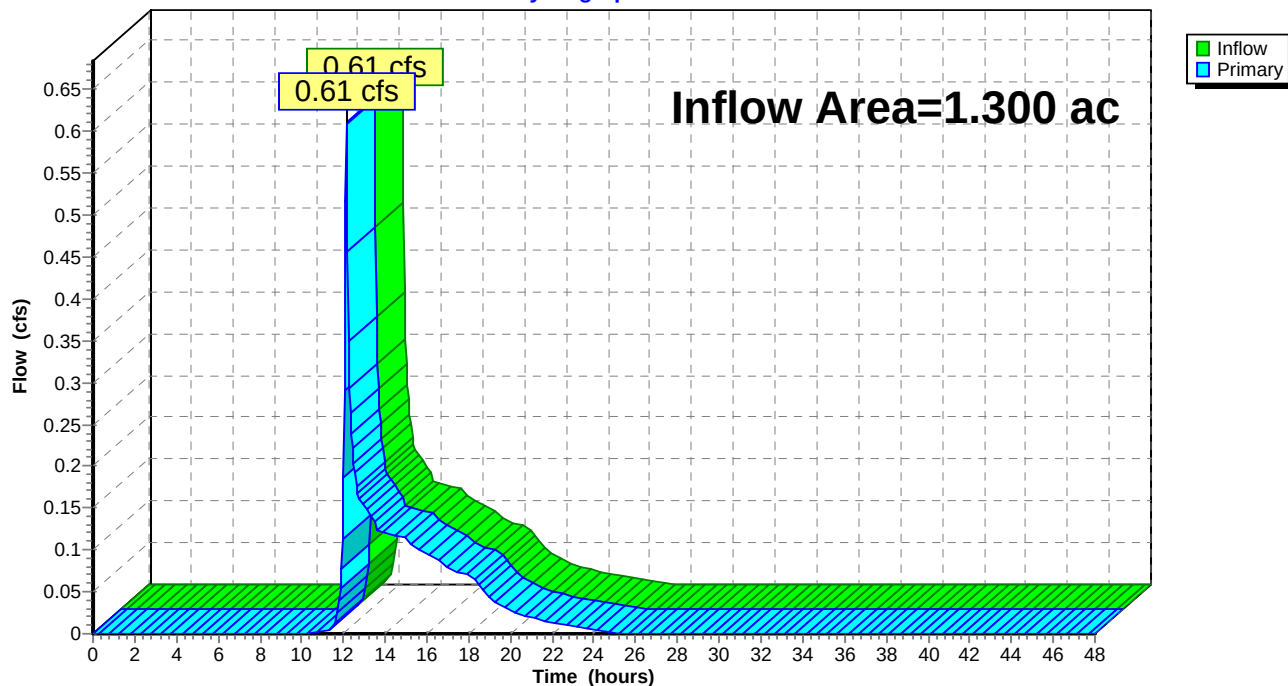
Summary for Link O: OUTLET

Inflow Area = 1.300 ac, 54.48% Impervious, Inflow Depth = 0.72" for 1 Year event
Inflow = 0.61 cfs @ 12.14 hrs, Volume= 0.079 af
Primary = 0.61 cfs @ 12.14 hrs, Volume= 0.079 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs

Link O: OUTLET

Hydrograph



19-9231 Mukwonago RCAC*MSE 24-hr 3 2 Year Rainfall=2.70"*

Prepared by Microsoft

Printed 2/7/2020

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Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: DETAINED

Runoff Area=39,775 sf 56.49% Impervious Runoff Depth=1.14"
Tc=6.0 min CN=82 Runoff=1.87 cfs 0.087 af

Subcatchment2S: UNDETAINEDNE

Runoff Area=14,560 sf 49.79% Impervious Runoff Depth=1.00"
Tc=6.0 min CN=79 Runoff=0.60 cfs 0.028 af

Subcatchment3S: UNDETAINEDSOUTH

Runoff Area=1,570 sf 32.17% Impervious Runoff Depth=0.67"
Tc=6.0 min CN=73 Runoff=0.04 cfs 0.002 af

Subcatchment4S: UNDETAINEDNW

Runoff Area=715 sf 86.71% Impervious Runoff Depth=1.98"
Tc=6.0 min CN=93 Runoff=0.06 cfs 0.003 af

Pond 1P: BIO BASIN

Peak Elev=813.33' Storage=2,089 cf Inflow=1.87 cfs 0.087 af
Discarded=0.01 cfs 0.018 af Primary=0.13 cfs 0.069 af Secondary=0.00 cfs 0.000 af Outflow=0.13 cfs 0.087 af

Link O: OUTLET

Inflow=0.77 cfs 0.101 af
Primary=0.77 cfs 0.101 af

Total Runoff Area = 1.300 ac Runoff Volume = 0.119 af Average Runoff Depth = 1.10"
45.52% Pervious = 0.592 ac 54.48% Impervious = 0.708 ac

19-9231 Mukwonago RCAC

Prepared by Microsoft

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MSE 24-hr 3 2 Year Rainfall=2.70"

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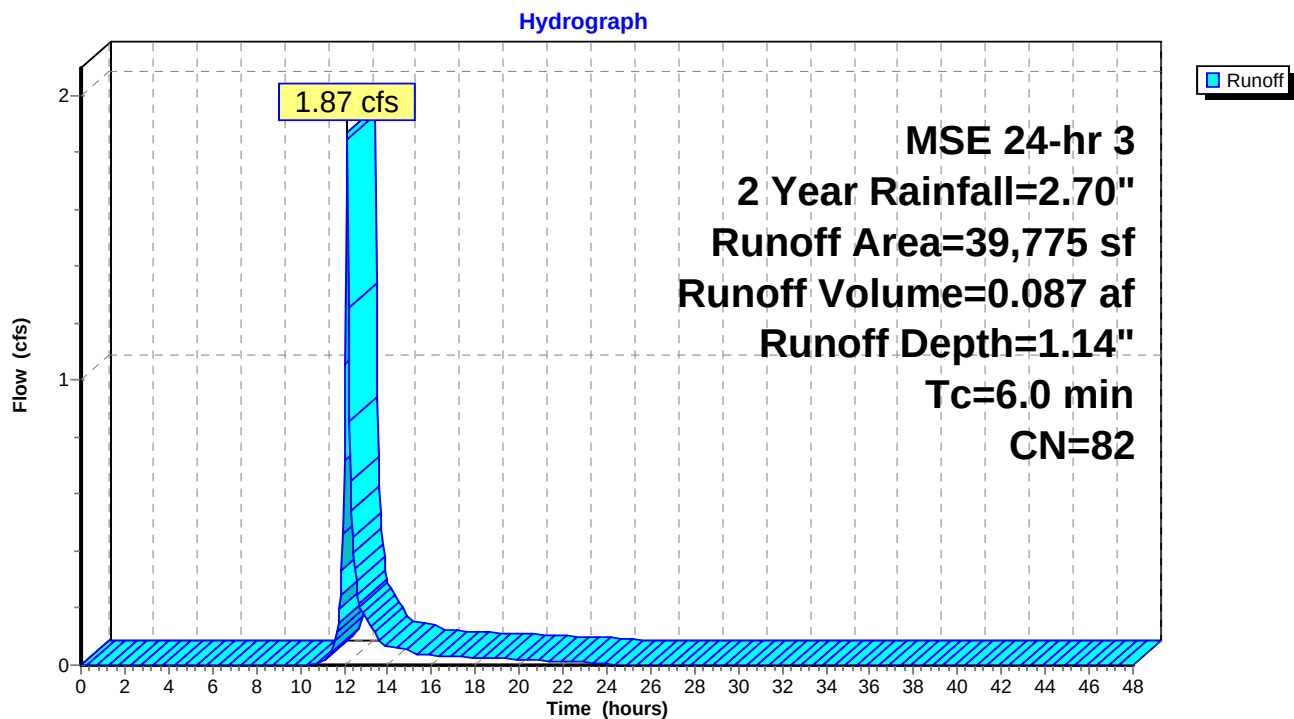
Summary for Subcatchment 1S: DETAINED

Runoff = 1.87 cfs @ 12.14 hrs, Volume= 0.087 af, Depth= 1.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2 Year Rainfall=2.70"

	Area (sf)	CN	Description
*	1,710	98	DRIVEWAY
	14,750	61	>75% Grass cover, Good, HSG B
	9,210	98	Unconnected roofs, HSG C
*	11,310	98	PARKING
*	240	98	SIDEWALK
	2,555	61	>75% Grass cover, Good, HSG B
	39,775	82	Weighted Average
	17,305		43.51% Pervious Area
	22,470		56.49% Impervious Area
	9,210		40.99% Unconnected

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

Subcatchment 1S: DETAINED

Summary for Subcatchment 2S: UNDETAINED NE

Runoff = 0.60 cfs @ 12.14 hrs, Volume= 0.028 af, Depth= 1.00"

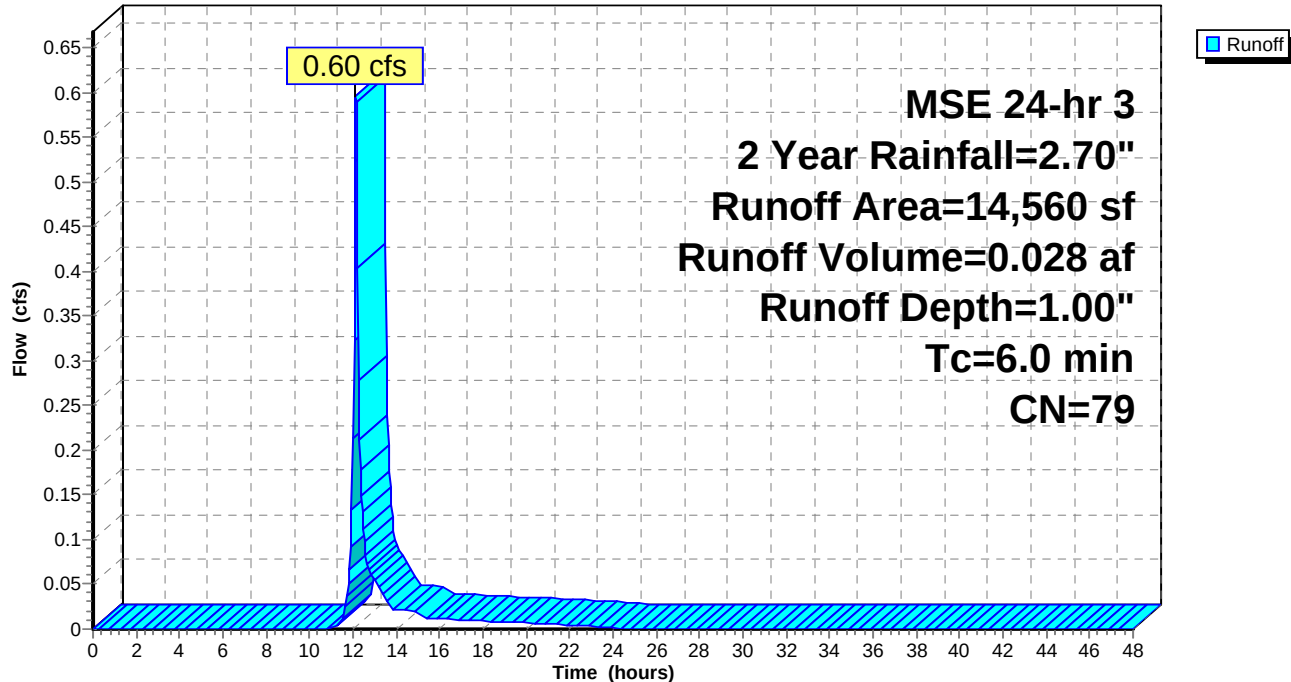
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2 Year Rainfall=2.70"

	Area (sf)	CN	Description
	5,975	61	>75% Grass cover, Good, HSG B
*	80	98	DRIVEWAY
*	610	98	SIDEWALK
	1,335	61	>75% Grass cover, Good, HSG B
*	6,560	98	Roof
	14,560	79	Weighted Average
	7,310		50.21% Pervious Area
	7,250		49.79% Impervious Area

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

Subcatchment 2S: UNDETAINED NE

Hydrograph



Summary for Subcatchment 3S: UNDETAINED SOUTH

Runoff = 0.04 cfs @ 12.14 hrs, Volume= 0.002 af, Depth= 0.67"

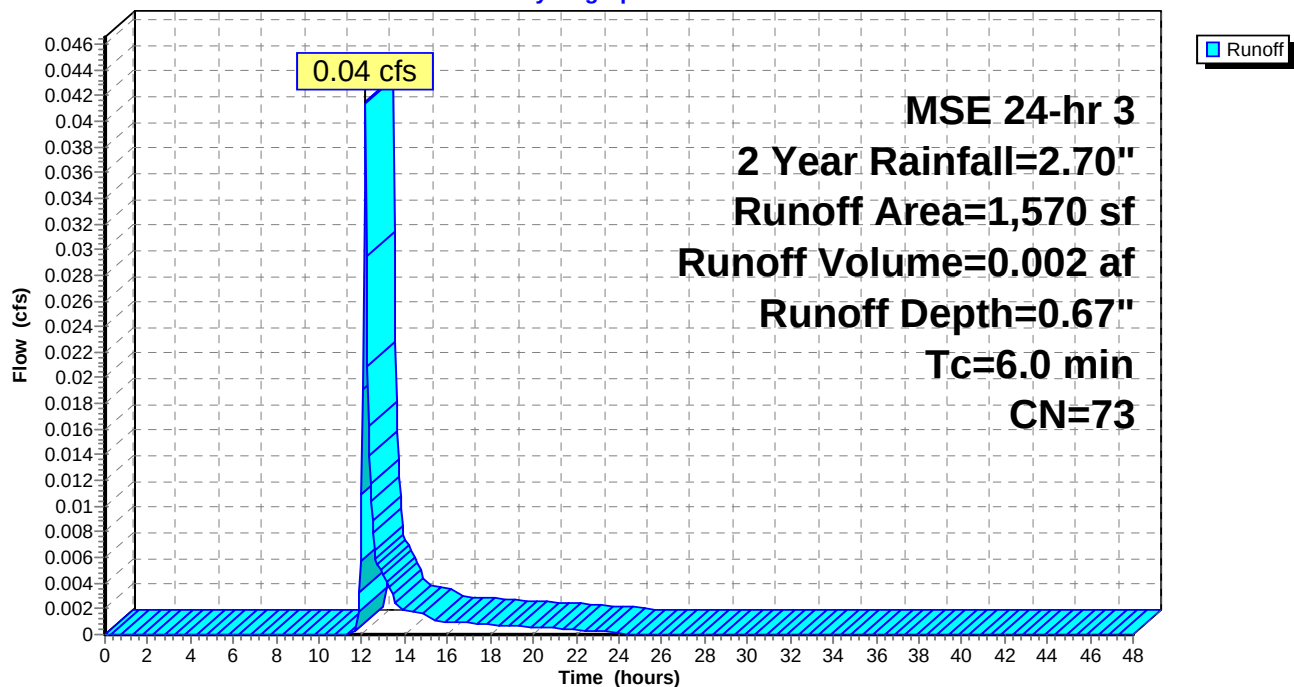
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2 Year Rainfall=2.70"

Area (sf)	CN	Description
1,065	61	>75% Grass cover, Good, HSG B
* 505	98	SIDEWALK
1,570	73	Weighted Average
1,065		67.83% Pervious Area
505		32.17% Impervious Area

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

Subcatchment 3S: UNDETAINED SOUTH

Hydrograph



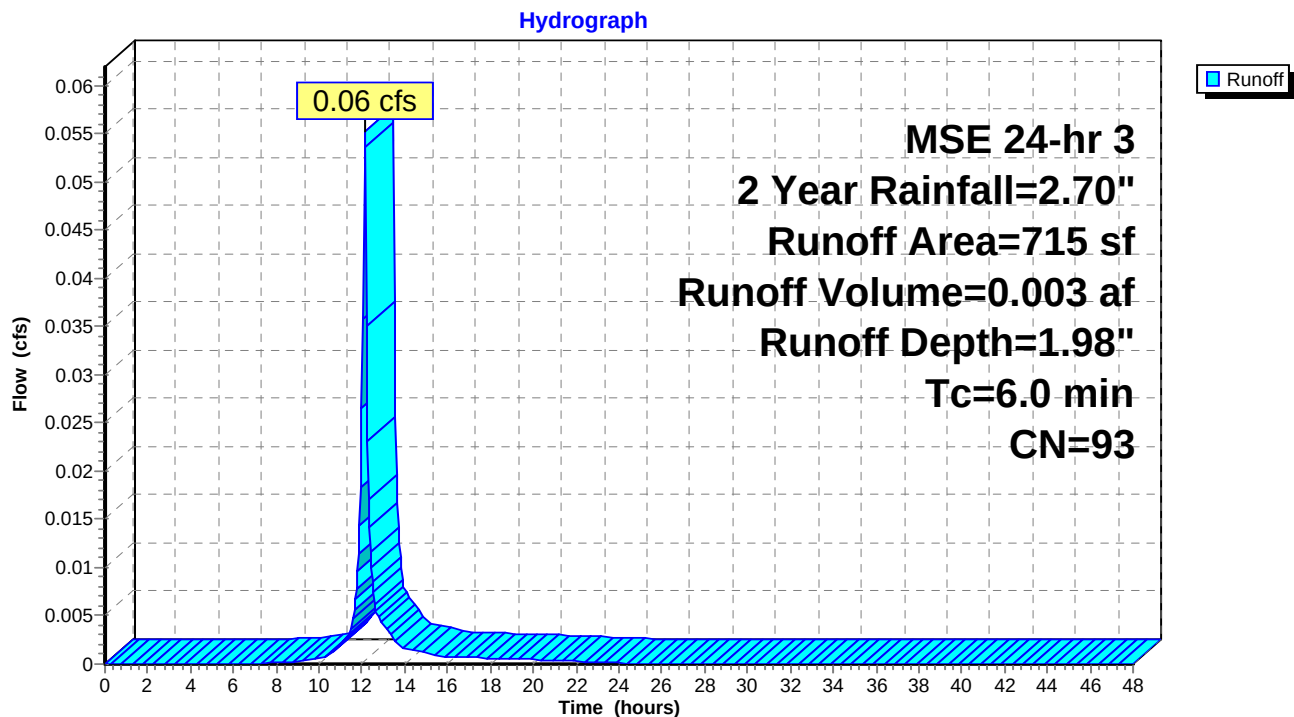
Summary for Subcatchment 4S: UNDETAINED NW

Runoff = 0.06 cfs @ 12.13 hrs, Volume= 0.003 af, Depth= 1.98"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 2 Year Rainfall=2.70"

	Area (sf)	CN	Description
	95	61	>75% Grass cover, Good, HSG B
*	490	98	ROOF
*	130	98	SIDEWALK
	715	93	Weighted Average
	95		13.29% Pervious Area
	620		86.71% Impervious Area

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

Subcatchment 4S: UNDETAINED NW

Summary for Pond 1P: BIO BASIN

Inflow Area = 0.913 ac, 56.49% Impervious, Inflow Depth = 1.14" for 2 Year event
 Inflow = 1.87 cfs @ 12.14 hrs, Volume= 0.087 af
 Outflow = 0.13 cfs @ 13.28 hrs, Volume= 0.087 af, Atten= 93%, Lag= 68.5 min
 Discarded = 0.01 cfs @ 13.28 hrs, Volume= 0.018 af
 Primary = 0.13 cfs @ 13.28 hrs, Volume= 0.069 af
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
 Peak Elev= 813.33' @ 13.28 hrs Surf.Area= 2,516 sf Storage= 2,089 cf

Plug-Flow detention time= 263.2 min calculated for 0.087 af (100% of inflow)
 Center-of-Mass det. time= 263.0 min (1,079.0 - 816.0)

Volume	Invert	Avail.Storage	Storage Description			
#1	811.00'	9,377 cf	Custom Stage Data (Irregular) Listed below (Recalc)			
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
811.00	2,289	225.0	0.0	0	0	2,289
811.50	2,289	225.0	33.0	378	378	2,402
812.00	2,289	225.0	27.0	309	687	2,514
813.00	2,289	225.0	27.0	618	1,305	2,739
814.00	3,017	248.0	100.0	2,645	3,949	3,636
815.00	3,824	272.0	100.0	3,413	7,362	4,663
815.50	4,239	281.0	100.0	2,015	9,377	5,083

Device	Routing	Invert	Outlet Devices
#1	Discarded	811.00'	0.150 in/hr Exfiltration over Horizontal area Conductivity to Groundwater Elevation = 20.00'
#2	Primary	811.00'	8.0" Round Culvert L= 41.4' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 811.00' / 810.83' S= 0.0041 '/' Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 0.35 sf
#3	Device 2	811.43'	6.0" Round Culvert L= 86.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 811.43' / 811.00' S= 0.0050 '/' Cc= 0.900 n= 0.100, Flow Area= 0.20 sf
#4	Device 3	811.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 800.00'
#5	Device 2	813.25'	6.0" Vert. Orifice/Grate C= 0.600
#6	Device 2	814.70'	24.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#7	Secondary	814.80'	20.0' long x 10.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Discarded OutFlow Max=0.01 cfs @ 13.28 hrs HW=813.33' (Free Discharge)

↑1=Exfiltration (Controls 0.01 cfs)

Primary OutFlow Max=0.12 cfs @ 13.28 hrs HW=813.33' (Free Discharge)

↑2=Culvert (Passes 0.12 cfs of 1.87 cfs potential flow)

↑3=Culvert (Barrel Controls 0.11 cfs @ 0.54 fps)

↑4=Exfiltration (Passes 0.11 cfs of 0.25 cfs potential flow)

↑5=Orifice/Grate (Orifice Controls 0.02 cfs @ 0.94 fps)

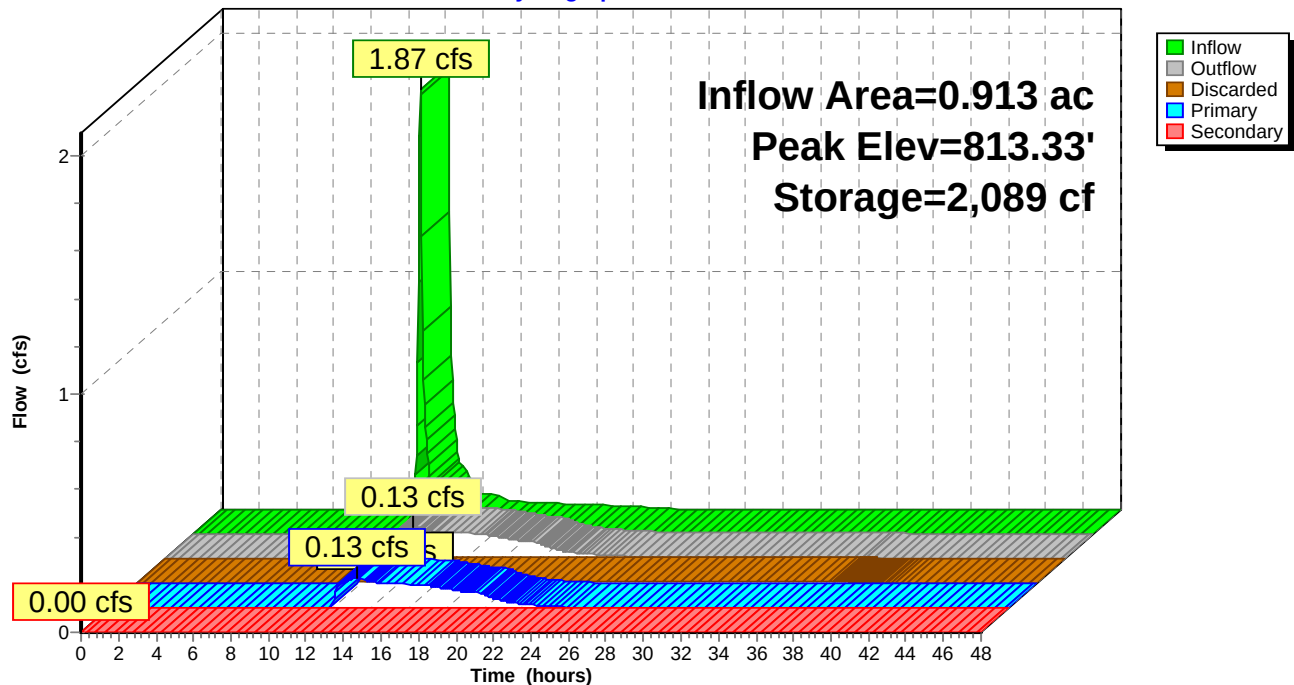
↑6=Orifice/Grate (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=811.00' (Free Discharge)

↑7=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: BIO BASIN

Hydrograph



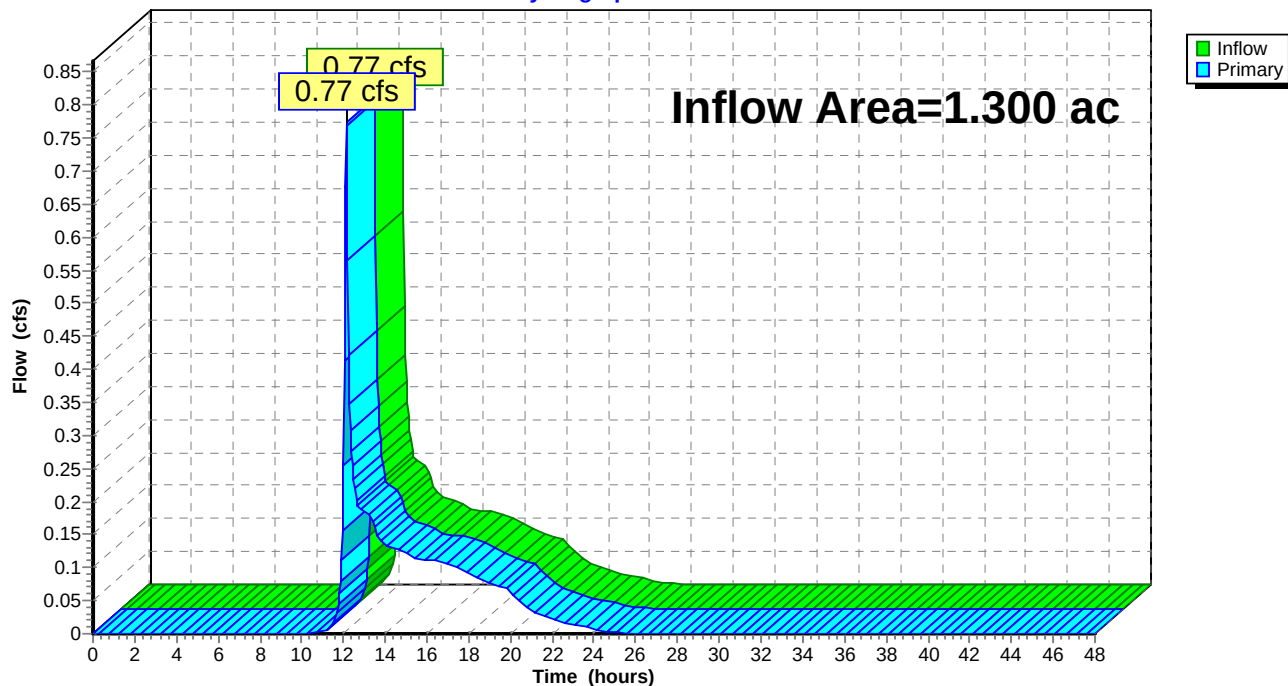
Summary for Link O: OUTLET

Inflow Area = 1.300 ac, 54.48% Impervious, Inflow Depth = 0.94" for 2 Year event
Inflow = 0.77 cfs @ 12.14 hrs, Volume= 0.101 af
Primary = 0.77 cfs @ 12.14 hrs, Volume= 0.101 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs

Link O: OUTLET

Hydrograph



19-9231 Mukwonago RCAC*MSE 24-hr 3 10 Year Rainfall=3.81"*

Prepared by Microsoft

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Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: DETAINED

Runoff Area=39,775 sf 56.49% Impervious Runoff Depth=2.03"
Tc=6.0 min CN=82 Runoff=3.32 cfs 0.155 af

Subcatchment2S: UNDETAINEDNE

Runoff Area=14,560 sf 49.79% Impervious Runoff Depth=1.84"
Tc=6.0 min CN=79 Runoff=1.11 cfs 0.051 af

Subcatchment3S: UNDETAINEDSOUTH

Runoff Area=1,570 sf 32.17% Impervious Runoff Depth=1.39"
Tc=6.0 min CN=73 Runoff=0.09 cfs 0.004 af

Subcatchment4S: UNDETAINEDNW

Runoff Area=715 sf 86.71% Impervious Runoff Depth=3.04"
Tc=6.0 min CN=93 Runoff=0.08 cfs 0.004 af

Pond 1P: BIO BASIN

Peak Elev=813.75' Storage=3,230 cf Inflow=3.32 cfs 0.155 af
Discarded=0.01 cfs 0.019 af Primary=0.59 cfs 0.135 af Secondary=0.00 cfs 0.000 af Outflow=0.60 cfs 0.155 af

Link O: OUTLET

Inflow=1.42 cfs 0.195 af
Primary=1.42 cfs 0.195 af

Total Runoff Area = 1.300 ac Runoff Volume = 0.214 af Average Runoff Depth = 1.98"
45.52% Pervious = 0.592 ac 54.48% Impervious = 0.708 ac

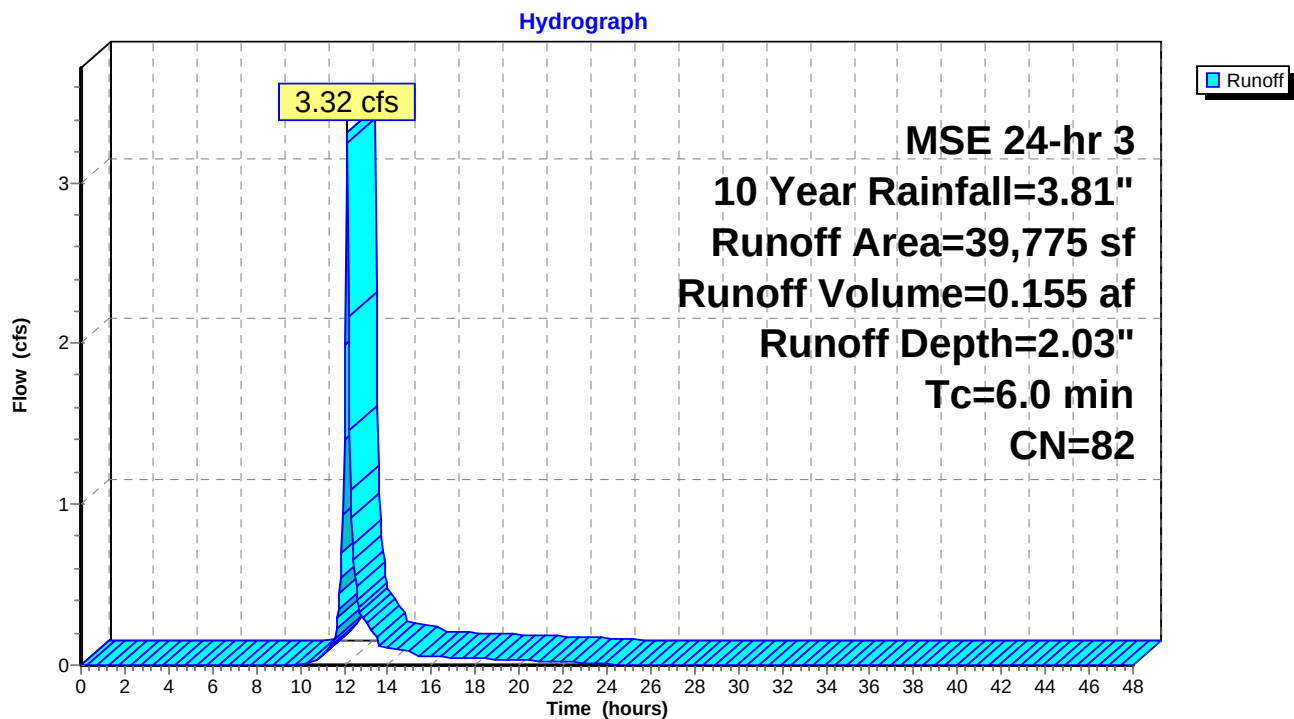
Summary for Subcatchment 1S: DETAINED

Runoff = 3.32 cfs @ 12.13 hrs, Volume= 0.155 af, Depth= 2.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10 Year Rainfall=3.81"

	Area (sf)	CN	Description
*	1,710	98	DRIVEWAY
	14,750	61	>75% Grass cover, Good, HSG B
	9,210	98	Unconnected roofs, HSG C
*	11,310	98	PARKING
*	240	98	SIDEWALK
	2,555	61	>75% Grass cover, Good, HSG B
	39,775	82	Weighted Average
	17,305		43.51% Pervious Area
	22,470		56.49% Impervious Area
	9,210		40.99% Unconnected

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

Subcatchment 1S: DETAINED

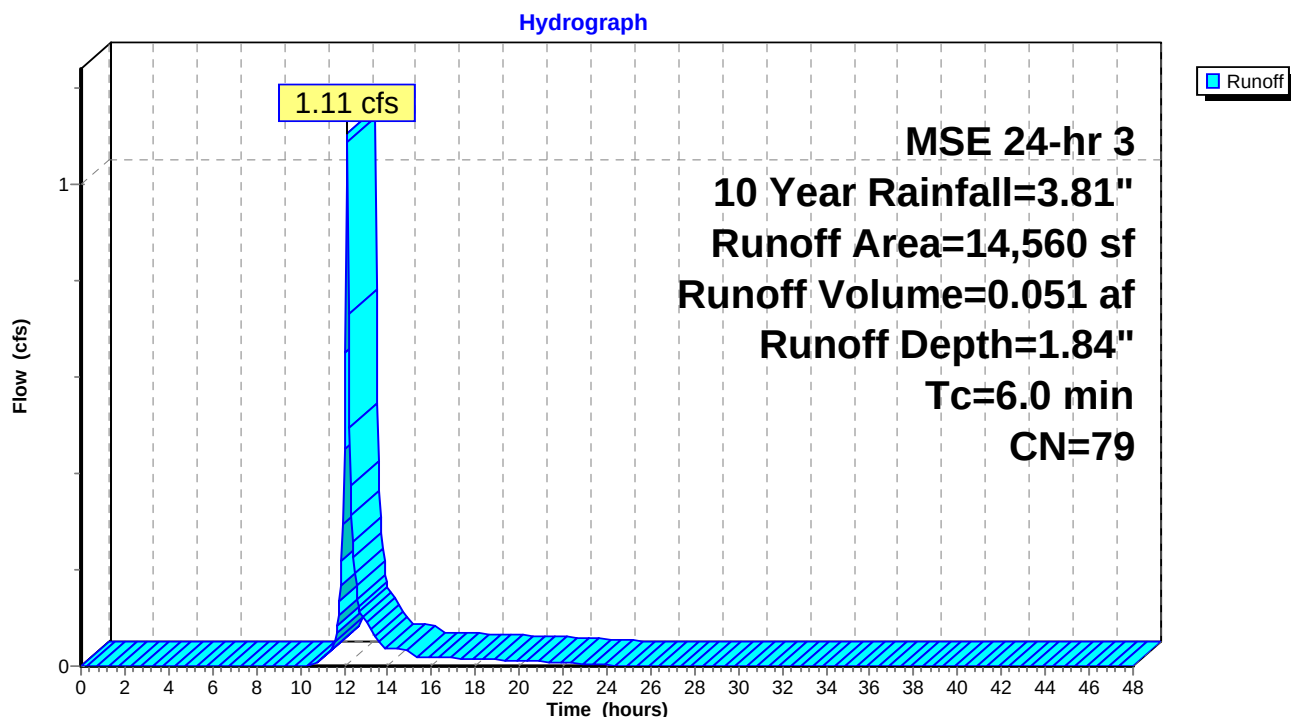
Summary for Subcatchment 2S: UNDETAINED NE

Runoff = 1.11 cfs @ 12.13 hrs, Volume= 0.051 af, Depth= 1.84"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10 Year Rainfall=3.81"

Area (sf)	CN	Description
5,975	61	>75% Grass cover, Good, HSG B
* 80	98	DRIVEWAY
* 610	98	SIDEWALK
1,335	61	>75% Grass cover, Good, HSG B
* 6,560	98	Roof
14,560	79	Weighted Average
7,310		50.21% Pervious Area
7,250		49.79% Impervious Area

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

Subcatchment 2S: UNDETAINED NE

Summary for Subcatchment 3S: UNDETAINED SOUTH

Runoff = 0.09 cfs @ 12.14 hrs, Volume= 0.004 af, Depth= 1.39"

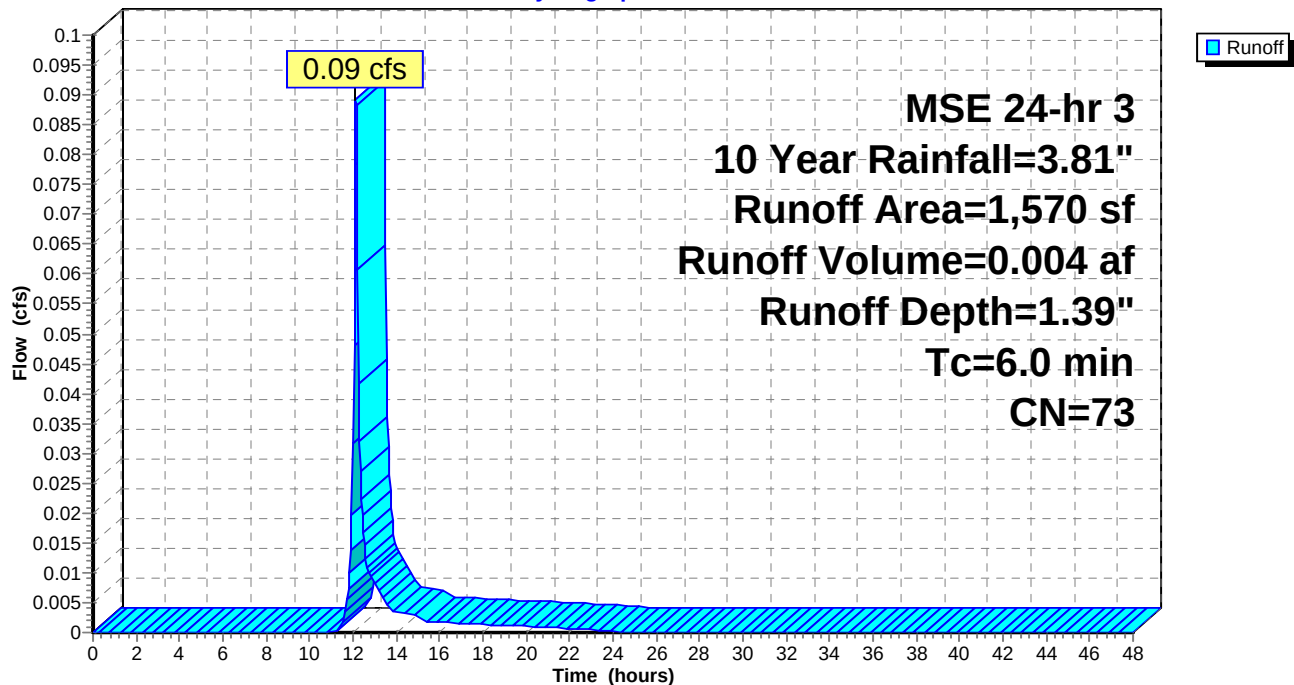
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10 Year Rainfall=3.81"

Area (sf)	CN	Description
1,065	61	>75% Grass cover, Good, HSG B
* 505	98	SIDEWALK
1,570	73	Weighted Average
1,065		67.83% Pervious Area
505		32.17% Impervious Area

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

Subcatchment 3S: UNDETAINED SOUTH

Hydrograph



Summary for Subcatchment 4S: UNDETAINED NW

Runoff = 0.08 cfs @ 12.13 hrs, Volume= 0.004 af, Depth= 3.04"

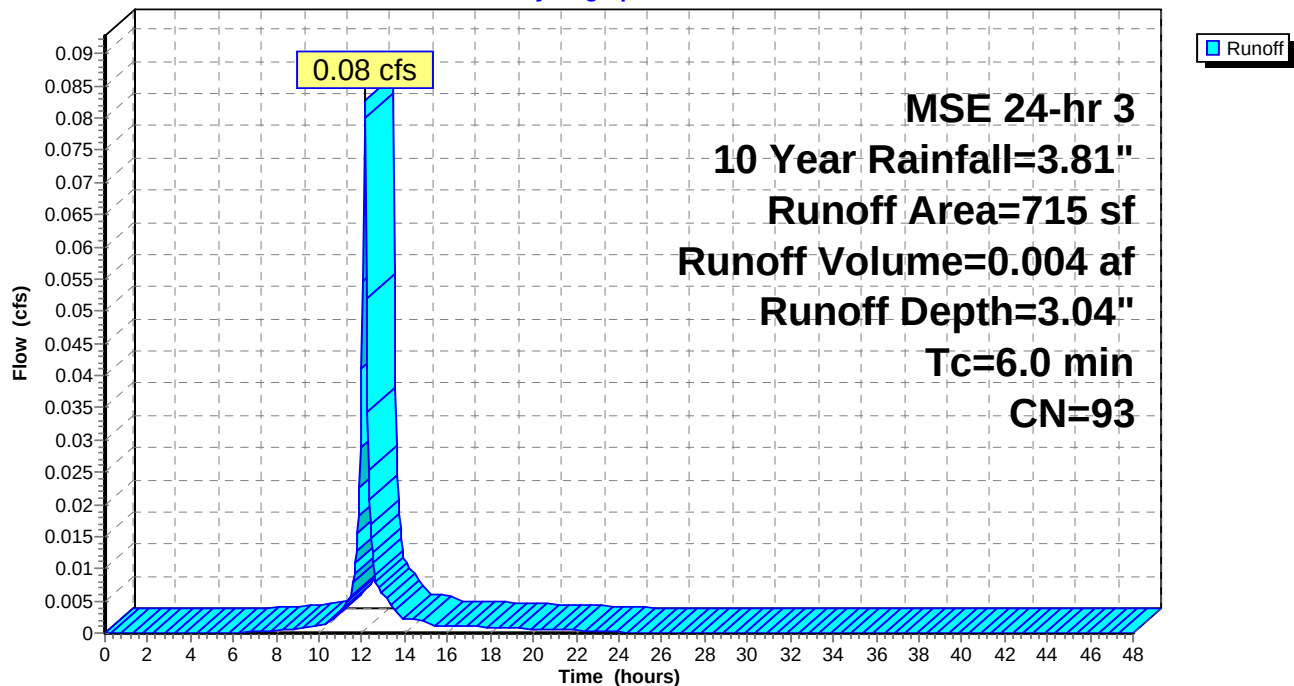
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 10 Year Rainfall=3.81"

	Area (sf)	CN	Description
	95	61	>75% Grass cover, Good, HSG B
*	490	98	ROOF
*	130	98	SIDEWALK
	715	93	Weighted Average
	95		13.29% Pervious Area
	620		86.71% Impervious Area

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

Subcatchment 4S: UNDETAINED NW

Hydrograph



Summary for Pond 1P: BIO BASIN

Inflow Area = 0.913 ac, 56.49% Impervious, Inflow Depth = 2.03" for 10 Year event
 Inflow = 3.32 cfs @ 12.13 hrs, Volume= 0.155 af
 Outflow = 0.60 cfs @ 12.48 hrs, Volume= 0.155 af, Atten= 82%, Lag= 20.6 min
 Discarded = 0.01 cfs @ 12.48 hrs, Volume= 0.019 af
 Primary = 0.59 cfs @ 12.48 hrs, Volume= 0.135 af
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
 Peak Elev= 813.75' @ 12.48 hrs Surf.Area= 2,828 sf Storage= 3,230 cf

Plug-Flow detention time= 194.4 min calculated for 0.155 af (100% of inflow)
 Center-of-Mass det. time= 194.2 min (998.3 - 804.1)

Volume	Invert	Avail.Storage	Storage Description			
#1	811.00'	9,377 cf	Custom Stage Data (Irregular) Listed below (Recalc)			
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
811.00	2,289	225.0	0.0	0	0	2,289
811.50	2,289	225.0	33.0	378	378	2,402
812.00	2,289	225.0	27.0	309	687	2,514
813.00	2,289	225.0	27.0	618	1,305	2,739
814.00	3,017	248.0	100.0	2,645	3,949	3,636
815.00	3,824	272.0	100.0	3,413	7,362	4,663
815.50	4,239	281.0	100.0	2,015	9,377	5,083

Device	Routing	Invert	Outlet Devices
#1	Discarded	811.00'	0.150 in/hr Exfiltration over Horizontal area Conductivity to Groundwater Elevation = 20.00'
#2	Primary	811.00'	8.0" Round Culvert L= 41.4' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 811.00' / 810.83' S= 0.0041 '/' Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 0.35 sf
#3	Device 2	811.43'	6.0" Round Culvert L= 86.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 811.43' / 811.00' S= 0.0050 '/' Cc= 0.900 n= 0.100, Flow Area= 0.20 sf
#4	Device 3	811.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 800.00'
#5	Device 2	813.25'	6.0" Vert. Orifice/Grate C= 0.600
#6	Device 2	814.70'	24.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#7	Secondary	814.80'	20.0' long x 10.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Discarded OutFlow Max=0.01 cfs @ 12.48 hrs HW=813.75' (Free Discharge)

1=Exfiltration (Controls 0.01 cfs)

Primary OutFlow Max=0.59 cfs @ 12.48 hrs HW=813.75' (Free Discharge)

2=Culvert (Passes 0.59 cfs of 2.06 cfs potential flow)

3=Culvert (Barrel Controls 0.12 cfs @ 0.60 fps)

4=Exfiltration (Passes 0.12 cfs of 0.28 cfs potential flow)

5=Orifice/Grate (Orifice Controls 0.48 cfs @ 2.42 fps)

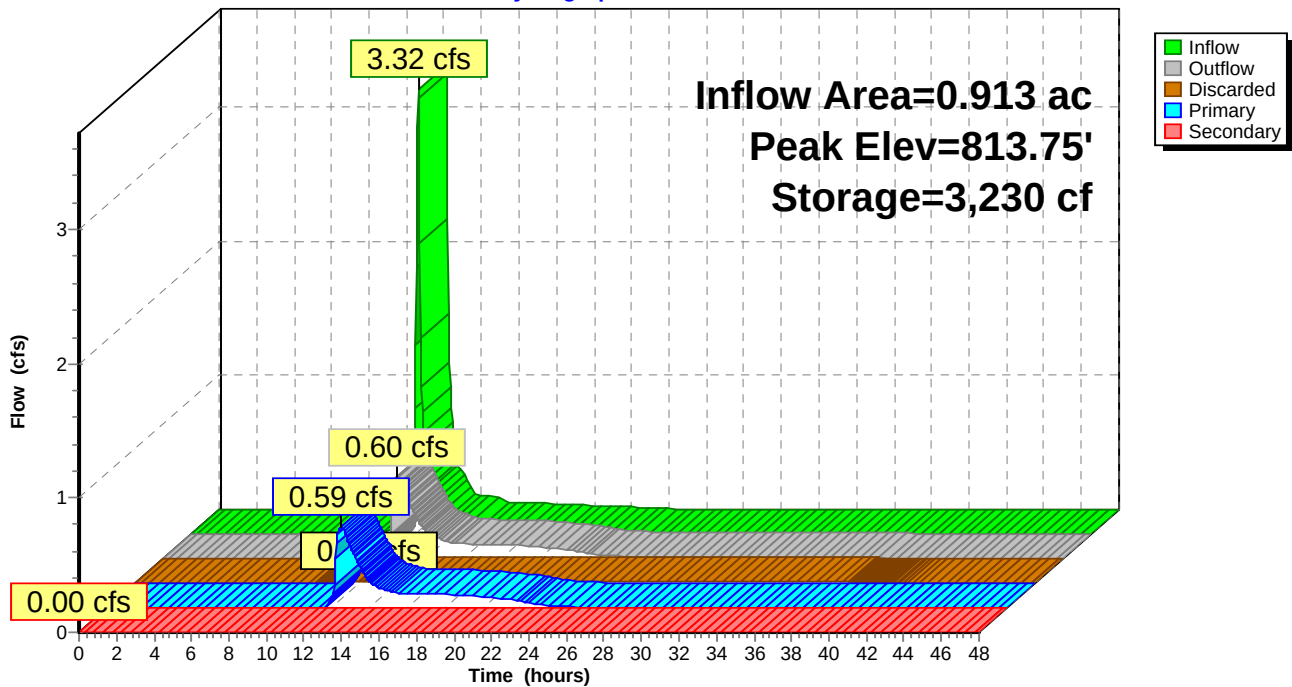
6=Orifice/Grate (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=811.00' (Free Discharge)

7=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: BIO BASIN

Hydrograph



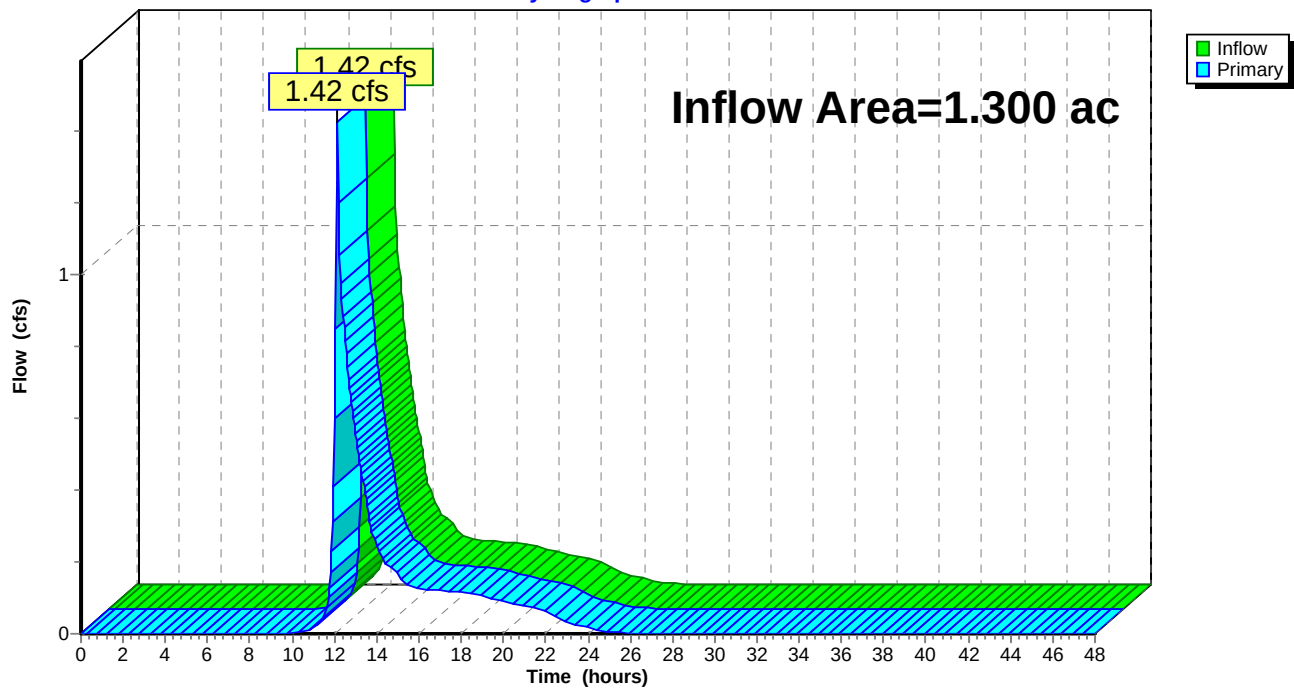
Summary for Link O: OUTLET

Inflow Area = 1.300 ac, 54.48% Impervious, Inflow Depth = 1.80" for 10 Year event
Inflow = 1.42 cfs @ 12.15 hrs, Volume= 0.195 af
Primary = 1.42 cfs @ 12.15 hrs, Volume= 0.195 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs

Link O: OUTLET

Hydrograph



19-9231 Mukwonago RCAC*MSE 24-hr 3 100 Year Rainfall=6.18"*

Prepared by Microsoft

Printed 2/7/2020

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Page 30

Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: DETAINED

Runoff Area=39,775 sf 56.49% Impervious Runoff Depth=4.14"
Tc=6.0 min CN=82 Runoff=6.58 cfs 0.315 af

Subcatchment2S: UNDETAINEDNE

Runoff Area=14,560 sf 49.79% Impervious Runoff Depth=3.88"
Tc=6.0 min CN=79 Runoff=2.28 cfs 0.108 af

Subcatchment3S: UNDETAINEDSOUTH

Runoff Area=1,570 sf 32.17% Impervious Runoff Depth=3.23"
Tc=6.0 min CN=73 Runoff=0.21 cfs 0.010 af

Subcatchment4S: UNDETAINEDNW

Runoff Area=715 sf 86.71% Impervious Runoff Depth=5.37"
Tc=6.0 min CN=93 Runoff=0.14 cfs 0.007 af

Pond 1P: BIO BASIN

Peak Elev=814.76' Storage=6,462 cf Inflow=6.58 cfs 0.315 af
Discarded=0.01 cfs 0.022 af Primary=1.51 cfs 0.293 af Secondary=0.00 cfs 0.000 af Outflow=1.52 cfs 0.315 af

Link O: OUTLET

Inflow=3.57 cfs 0.418 af
Primary=3.57 cfs 0.418 af

Total Runoff Area = 1.300 ac Runoff Volume = 0.440 af Average Runoff Depth = 4.07"
45.52% Pervious = 0.592 ac 54.48% Impervious = 0.708 ac

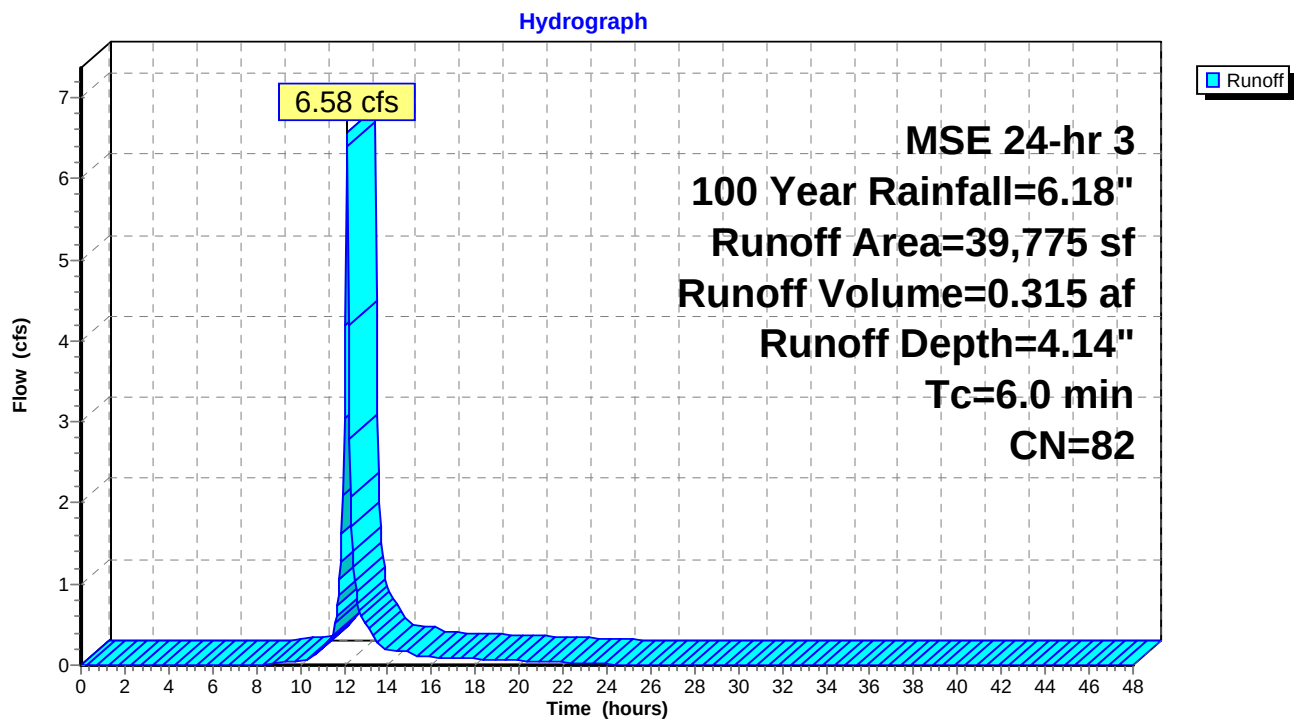
Summary for Subcatchment 1S: DETAINED

Runoff = 6.58 cfs @ 12.13 hrs, Volume= 0.315 af, Depth= 4.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100 Year Rainfall=6.18"

	Area (sf)	CN	Description
*	1,710	98	DRIVEWAY
	14,750	61	>75% Grass cover, Good, HSG B
	9,210	98	Unconnected roofs, HSG C
*	11,310	98	PARKING
*	240	98	SIDEWALK
	2,555	61	>75% Grass cover, Good, HSG B
	39,775	82	Weighted Average
	17,305		43.51% Pervious Area
	22,470		56.49% Impervious Area
	9,210		40.99% Unconnected

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

Subcatchment 1S: DETAINED

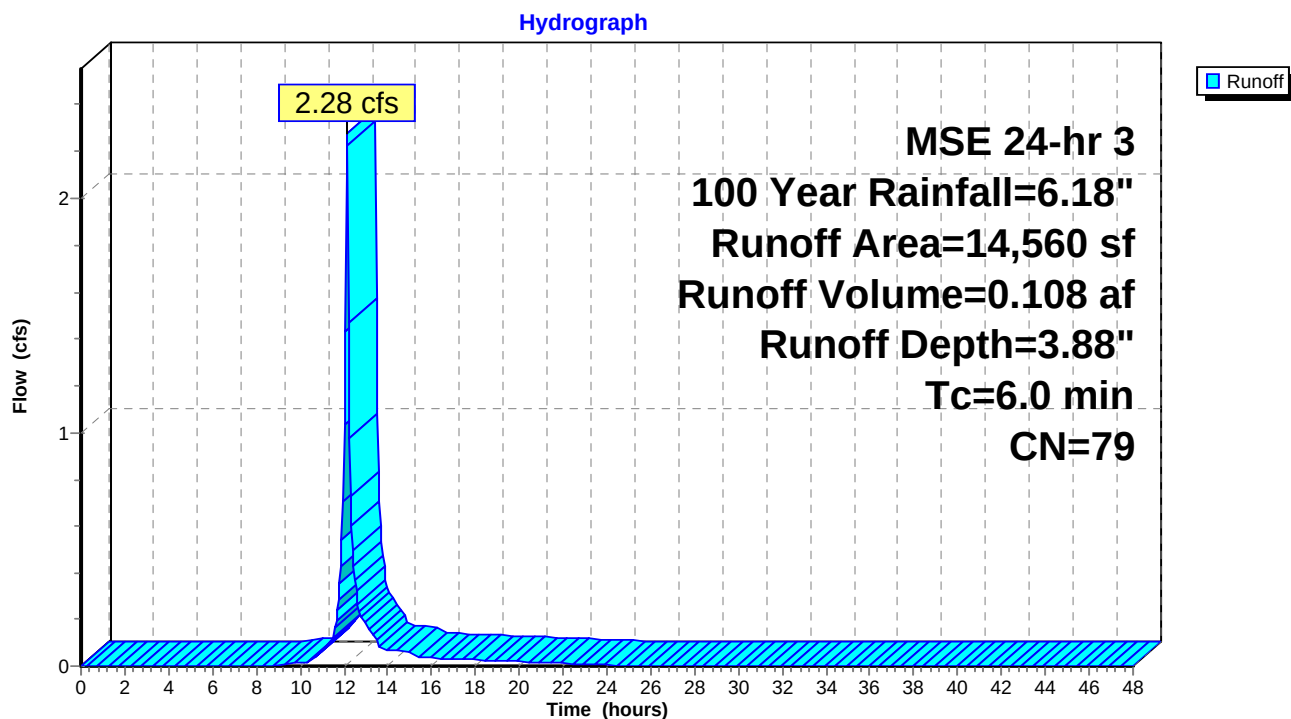
Summary for Subcatchment 2S: UNDETAINED NE

Runoff = 2.28 cfs @ 12.13 hrs, Volume= 0.108 af, Depth= 3.88"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100 Year Rainfall=6.18"

Area (sf)	CN	Description
5,975	61	>75% Grass cover, Good, HSG B
* 80	98	DRIVEWAY
* 610	98	SIDEWALK
1,335	61	>75% Grass cover, Good, HSG B
* 6,560	98	Roof
14,560	79	Weighted Average
7,310		50.21% Pervious Area
7,250		49.79% Impervious Area

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

Subcatchment 2S: UNDETAINED NE

Summary for Subcatchment 3S: UNDETAINED SOUTH

Runoff = 0.21 cfs @ 12.13 hrs, Volume= 0.010 af, Depth= 3.23"

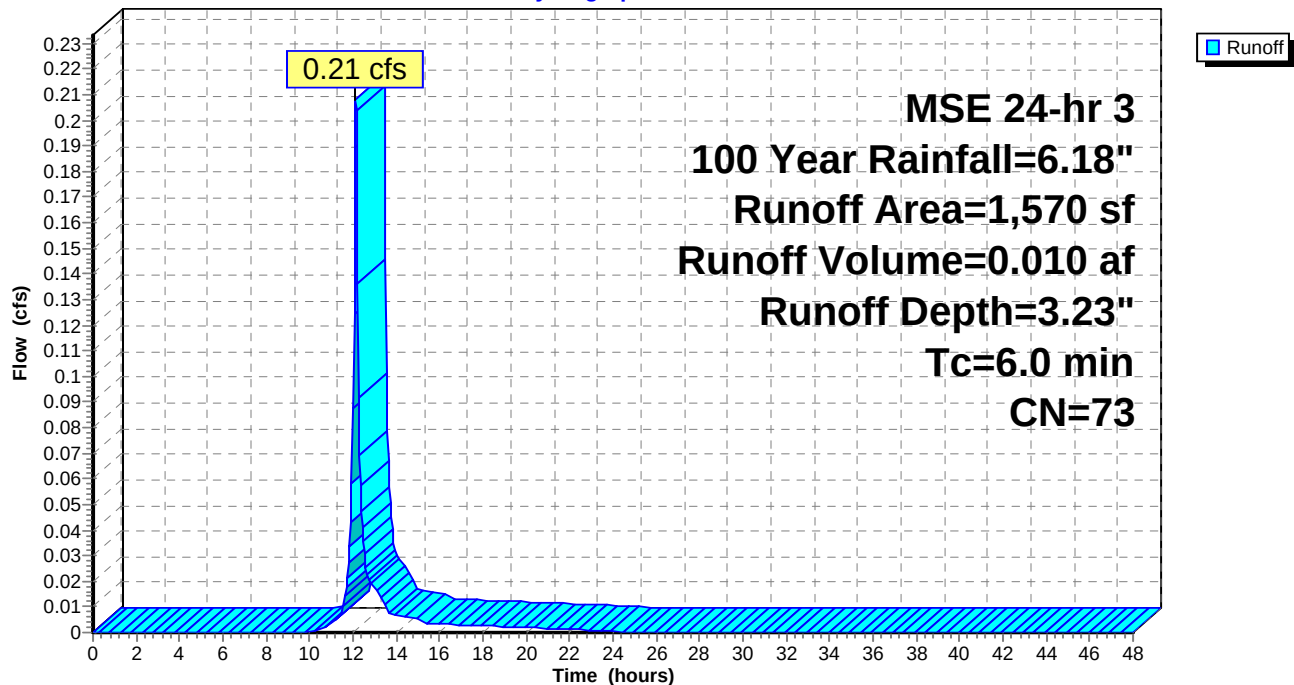
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100 Year Rainfall=6.18"

Area (sf)	CN	Description
1,065	61	>75% Grass cover, Good, HSG B
* 505	98	SIDEWALK
1,570	73	Weighted Average
1,065		67.83% Pervious Area
505		32.17% Impervious Area

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

Subcatchment 3S: UNDETAINED SOUTH

Hydrograph



Summary for Subcatchment 4S: UNDETAINED NW

Runoff = 0.14 cfs @ 12.13 hrs, Volume= 0.007 af, Depth= 5.37"

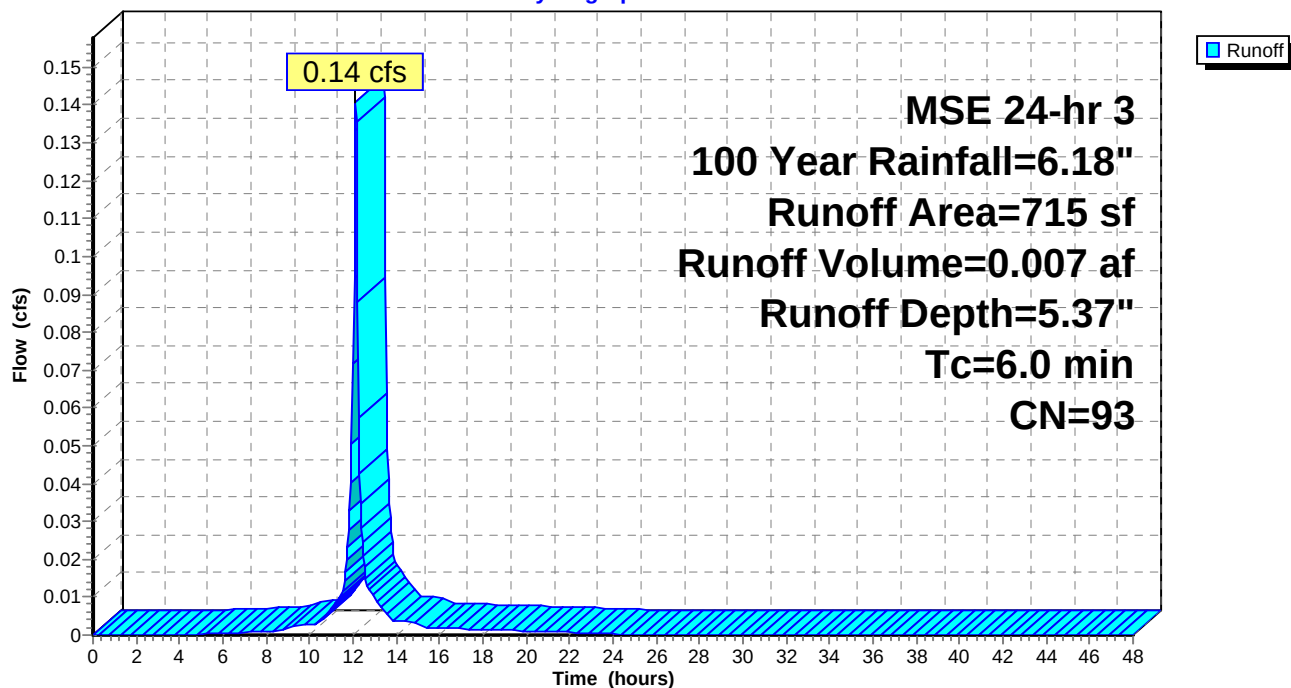
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 3 100 Year Rainfall=6.18"

	Area (sf)	CN	Description
	95	61	>75% Grass cover, Good, HSG B
*	490	98	ROOF
*	130	98	SIDEWALK
	715	93	Weighted Average
	95		13.29% Pervious Area
	620		86.71% Impervious Area

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

Subcatchment 4S: UNDETAINED NW

Hydrograph



Summary for Pond 1P: BIO BASIN

Inflow Area = 0.913 ac, 56.49% Impervious, Inflow Depth = 4.14" for 100 Year event
 Inflow = 6.58 cfs @ 12.13 hrs, Volume= 0.315 af
 Outflow = 1.52 cfs @ 12.39 hrs, Volume= 0.315 af, Atten= 77%, Lag= 15.4 min
 Discarded = 0.01 cfs @ 12.39 hrs, Volume= 0.022 af
 Primary = 1.51 cfs @ 12.39 hrs, Volume= 0.293 af
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
 Peak Elev= 814.76' @ 12.39 hrs Surf.Area= 3,620 sf Storage= 6,462 cf

Plug-Flow detention time= 143.5 min calculated for 0.315 af (100% of inflow)
 Center-of-Mass det. time= 144.5 min (934.3 - 789.9)

Volume	Invert	Avail.Storage	Storage Description			
#1	811.00'	9,377 cf	Custom Stage Data (Irregular) Listed below (Recalc)			
Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Voids (%)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
811.00	2,289	225.0	0.0	0	0	2,289
811.50	2,289	225.0	33.0	378	378	2,402
812.00	2,289	225.0	27.0	309	687	2,514
813.00	2,289	225.0	27.0	618	1,305	2,739
814.00	3,017	248.0	100.0	2,645	3,949	3,636
815.00	3,824	272.0	100.0	3,413	7,362	4,663
815.50	4,239	281.0	100.0	2,015	9,377	5,083

Device	Routing	Invert	Outlet Devices
#1	Discarded	811.00'	0.150 in/hr Exfiltration over Horizontal area Conductivity to Groundwater Elevation = 20.00'
#2	Primary	811.00'	8.0" Round Culvert L= 41.4' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 811.00' / 810.83' S= 0.0041 '/' Cc= 0.900 n= 0.010 PVC, smooth interior, Flow Area= 0.35 sf
#3	Device 2	811.43'	6.0" Round Culvert L= 86.0' CPP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 811.43' / 811.00' S= 0.0050 '/' Cc= 0.900 n= 0.100, Flow Area= 0.20 sf
#4	Device 3	811.00'	3.600 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 800.00'
#5	Device 2	813.25'	6.0" Vert. Orifice/Grate C= 0.600
#6	Device 2	814.70'	24.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#7	Secondary	814.80'	20.0' long x 10.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.49 2.56 2.70 2.69 2.68 2.69 2.67 2.64

Discarded OutFlow Max=0.01 cfs @ 12.39 hrs HW=814.76' (Free Discharge)

↑1=Exfiltration (Controls 0.01 cfs)

Primary OutFlow Max=1.48 cfs @ 12.39 hrs HW=814.76' (Free Discharge)

↑2=Culvert (Passes 1.48 cfs of 2.46 cfs potential flow)

↑3=Culvert (Barrel Controls 0.14 cfs @ 0.72 fps)

↑4=Exfiltration (Passes 0.14 cfs of 0.37 cfs potential flow)

↑5=Orifice/Grate (Orifice Controls 1.06 cfs @ 5.40 fps)

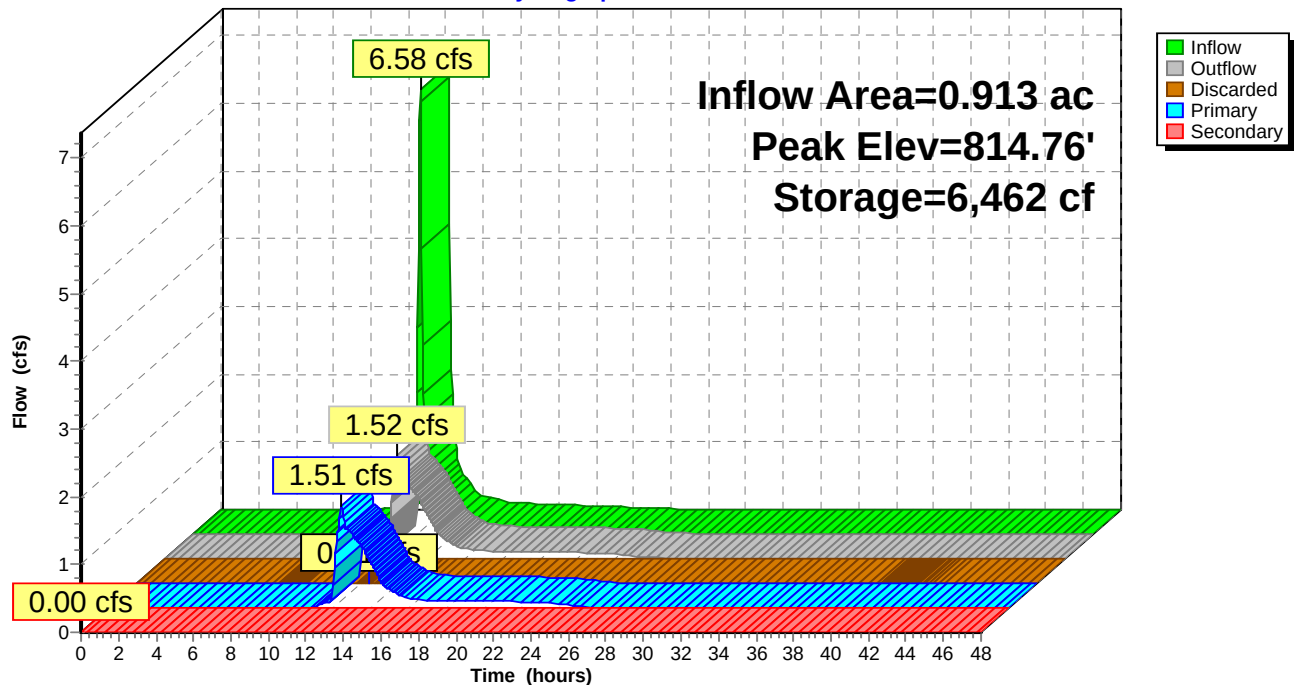
↑6=Orifice/Grate (Weir Controls 0.28 cfs @ 0.78 fps)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=811.00' (Free Discharge)

↑7=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: BIO BASIN

Hydrograph



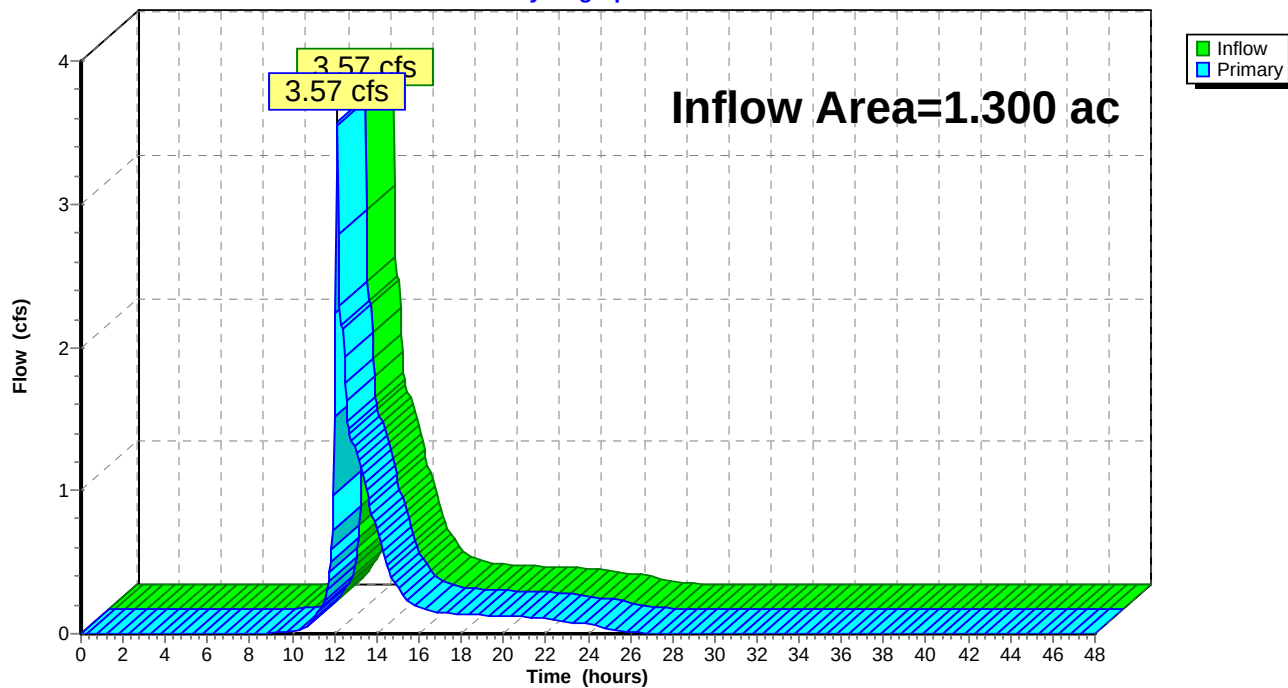
Summary for Link O: OUTLET

Inflow Area = 1.300 ac, 54.48% Impervious, Inflow Depth = 3.86" for 100 Year event
Inflow = 3.57 cfs @ 12.14 hrs, Volume= 0.418 af
Primary = 3.57 cfs @ 12.14 hrs, Volume= 0.418 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs

Link O: OUTLET

Hydrograph



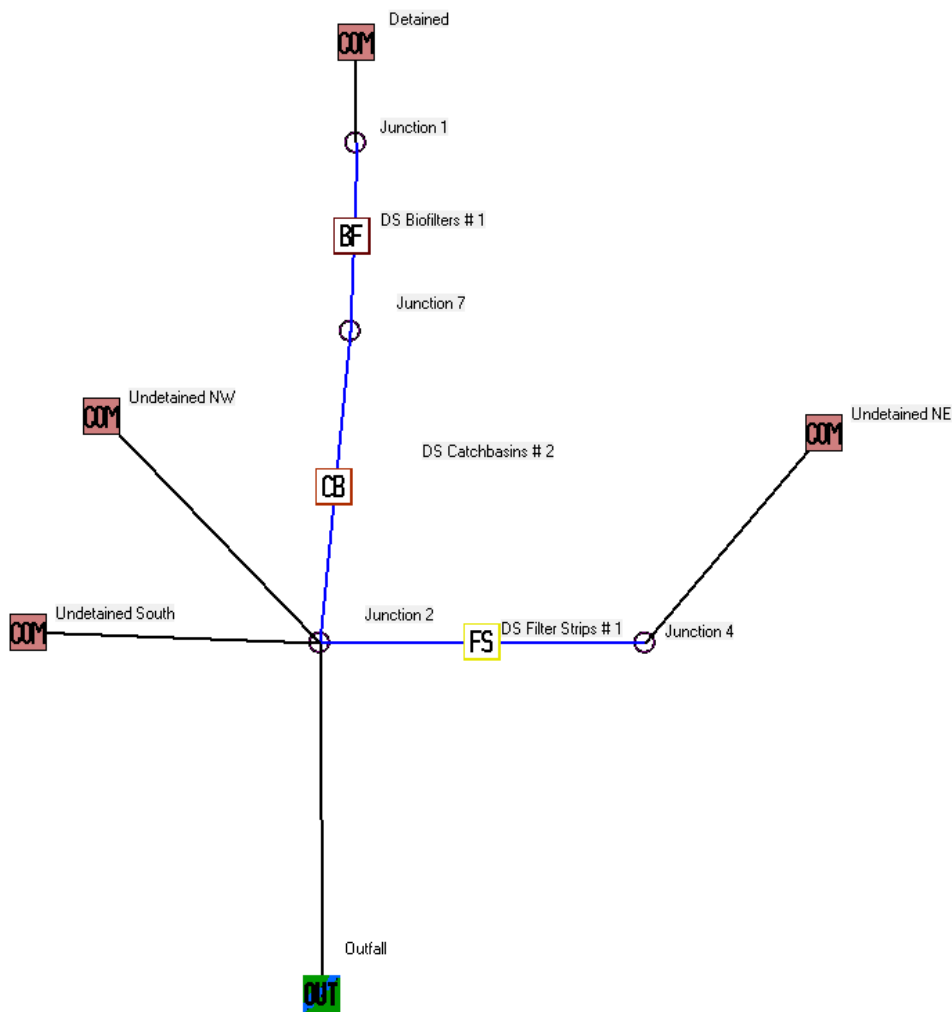
APPENDIX 5

Water Quality Calculations

- Post-Development Input Summary
- Post-Development Output Summary



SLAMM MODELING



19-9231Castle Senior Living - InputData.txt

Data file name: R:\2019\19-9231 Mukwonago RCAC (Mukwonago, WI)\04 Civil\SWMP\Modeling\Winslamm\19-9231Castle Senior Living.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\10.1 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:

Seed for random number generator: -42

Study period starting date: 03/28/69 Study period ending date: 12/06/69

Date: 02-06-2020 Time: 13:59:21

Site information:

LU# 1 - Commercial: Detained Total area (ac): 0.913

- 1 - Roofs 1: 0.211 ac. Pitched Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 13 - Paved Parking 1: 0.260 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 0.039 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.006 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 51 - Small Landscaped Areas 1: 0.397 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 2 - Commercial: Undetained South Total area (ac): 0.036

- 25 - Driveways 1: 0.012 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 51 - Small Landscaped Areas 1: 0.024 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 3 - Commercial: Undetained NE Total area (ac): 0.335

- 1 - Roofs 1: 0.151 ac. Pitched Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 25 - Driveways 1: 0.002 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.014 ac. Connected Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 52 - Small Landscaped Areas 2: 0.168 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

LU# 4 - Commercial: Undetained NW Total area (ac): 0.016

- 1 - Roofs 1: 0.011 ac. Flat Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 31 - Sidewalks 1: 0.003 ac. Disconnected Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz
- 51 - Small Landscaped Areas 1: 0.002 ac. Normal Silty Source Area PSD File: C:\WinSLAMM Files\NURP.cpz

Control Practice 1: Biofilter CP# 1 (DS) - DS Biofilters # 1

1. Top area (square feet) = 4239
 2. Bottom area (square feet) = 2399
 3. Depth (ft): 4.8
 4. Biofilter width (ft) - for Cost Purposes Only: 23
 5. Infiltration rate (in/hr) = 0.02
 6. Random infiltration rate generation? No
 7. Infiltration rate fraction (side): 1
 8. Infiltration rate fraction (bottom): 1
 9. Depth of biofilter that is rock filled (ft) 0.5
 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 Soil Type 1.000
- Biofilter Outlet/Discharge Characteristics:

Outlet type: Broad Crested Weir

1. Weir crest length (ft): 20
2. Weir crest width (ft): 10
3. Height of datum to bottom of weir opening: 3.8

Outlet type: Vertical Stand Pipe

1. Stand pipe diameter (ft): 2
2. Stand pipe height above datum (ft): 3.7

Outlet type: Surface Discharge Pipe

1. Surface discharge pipe outlet diameter (ft): 0.5
2. Pipe invert elevation above datum (ft): 2.25
3. Number of surface pipe outlets: 1

Outlet type: Drain Tile/Underdrain

1. Underdrain outlet diameter (ft): 0.5
2. Invert elevation above datum (ft): 0
3. Number of underdrain outlets: 1

Control Practice 2: Filter Strip CP# 1 (DS) - DS Filter Strips # 1

Total drainage area (acres)= 0.335
 Fraction of drainage area served by filter strips (ac) = 1.00
 Total filter strip width (ft) = 150.0
 Effective flow length (ft) = 15
 Infiltration rate (in/hr)= 0.020
 Typical longitudinal slope (ft.H/ft.V) = 0.015
 Typical grass height (in) = 6.0
 Swale retardance factor = C
 Use stochastic analysis to determine infiltration rate: False
 Infiltration rate coefficient of variation (COV) = 0.00
 Particle size distribution file name: Not needed - calculated by program
 Surface Clogging Load (lbs/sf) = 3.50

Control Practice 3: Catchbasin Cleaning CP# 1 (DS) - DS Catchbasins # 2

1. Fraction of area served by catchbasins = 1.00
2. Number of catchbasins = 1
3. Average sump depth below catchbasin outlet invert (feet) = 2
4. Depth of sediment in catchbasin sump at beginning of study period (ft) = 0
5. Typical outlet pipe diameter (ft) = 0.67
6. Typical outlet pipe Mannings n = 0.01
7. Typical outlet pipe slope (ft/ft) = 0.016
8. Typical catchbasin sump surface area (square feet) = 7.1
9. Total catchbasin depth (feet) = 5
10. Inflow hydrograph peak to average flow ratio = 3.8
11. Leakage rate through sump bottom (in/hr) = 0
12. Catchbasin Critical Particle Size File Name:
13. Catchbasin cleaning frequency: Once every two years

Data file name: R:\2019\19-9231 Mukwonago RCAC (Mukwonago WI)\04 Civil\SWMP\Modeling\Winslamm\19-9231Castle Senior Living.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:

Seed for random number generator: -42

Model Run Start Date: 03/28/69 Model Run End Date: 12/06/69

Date of run: 02-06-2020 Time of run: 13:50:22

Total Area Modeled (acres): 1.300

Years in Model Run: 0.67

Total of all Land Uses without Controls:

Outfall Total with Controls:

Annualized Total After Outfall Controls:

Runoff Volume (cu ft)	Percent Runoff Volume Reduction	Particulate Solids Conc. (mg/L)	Particulate Solids Yield (lbs)	Percent Particulate Solids Reduction
49989	-	94.95	296.3	-
46173	7.63%	24.54	70.75	76.12%
69355			106.3	

Pollutant

Particulate Solids

Particulate Phosphorus

Concentration No Controls	Concentration With Controls	Conc. Units	Pollutant Yield No Controls	Pollutant Yield With Controls	Pollutant Yield Units	Percent Reduction
94.95	24.54	mg/L	296.3	70.75	lbs	76.12%
0.2519	0.06706	mg/L	0.7862	0.1933	lbs	75.41%

APPENDIX 6

Design Details

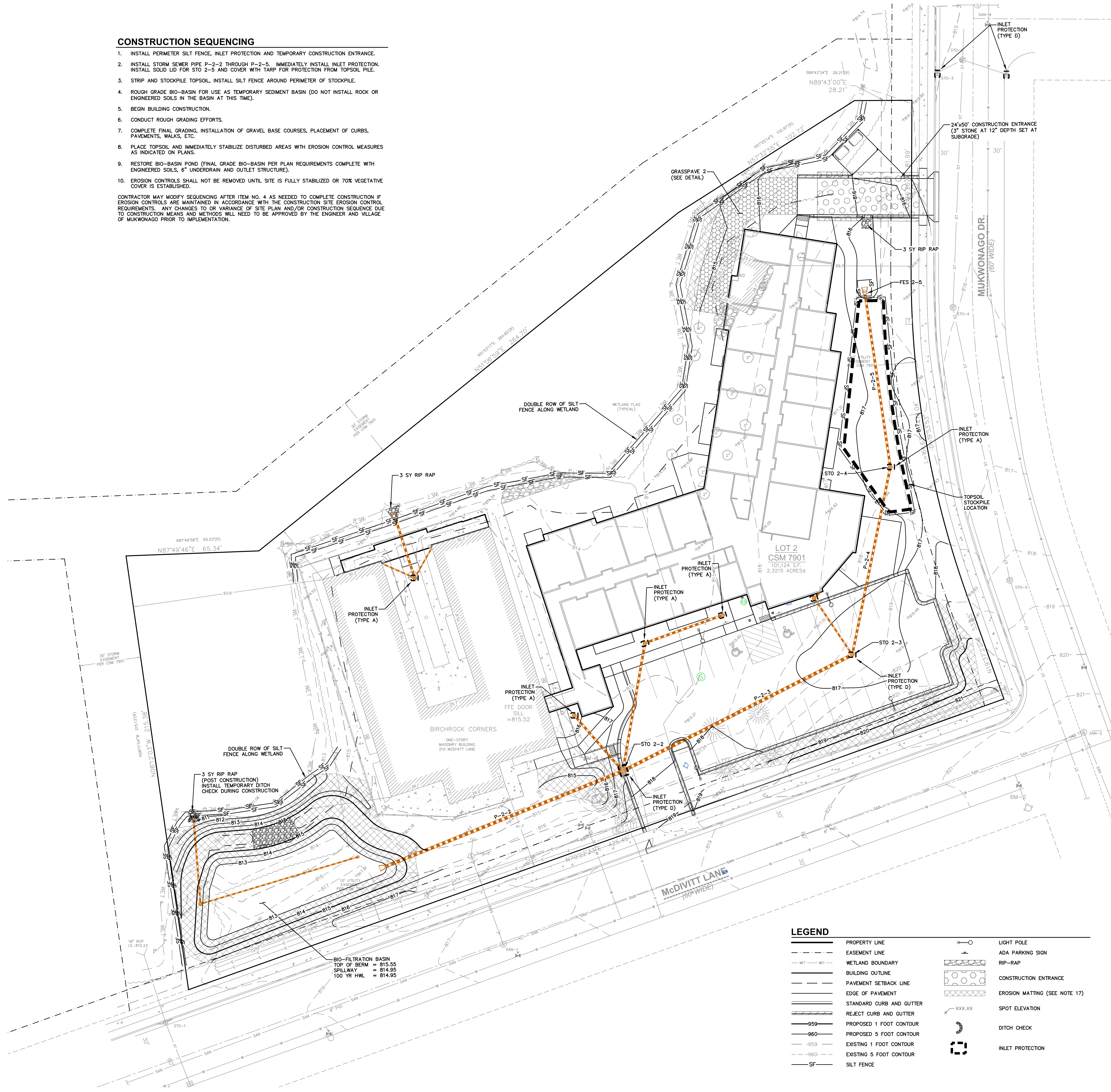
- Proposed Erosion Control Plan
- Proposed Grading & Utility Plan
- Proposed Bioretention Basin Detail
- Storm Sewer Sizing Calculations
- Anti-Seep Collar Design



CONSTRUCTION SEQUENCING

1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
2. INSTALL STORM SEWER PIPE P-2-2 THROUGH P-2-5. IMMEDIATELY INSTALL INLET PROTECTION. INSTALL SOLID LID FOR STO 2-5 AND COVER WITH TARP FOR PROTECTION FROM TOPSOIL PILE.
3. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
4. ROUGH GRADE BIO-BASIN FOR USE AS TEMPORARY SEDIMENT BASIN (DO NOT INSTALL ROCK OR ENGINEERED SOILS IN THE BASIN AT THIS TIME).
5. BEGIN BUILDING CONSTRUCTION.
6. CONDUCT ROUGH GRADING EFFORTS.
7. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
8. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
9. RESTORE BIO-BASIN POND (FINAL GRADE BIO-BASIN PER PLAN REQUIREMENTS COMPLETE WITH ENGINEERED SOILS, 6" UNDERDRAIN AND OUTLET STRUCTURE).
10. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED.

CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 4 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS. ANY CHANGES TO OR VARIANCE OF SITE PLAN AND/OR CONSTRUCTION SEQUENCE DUE TO CONSTRUCTION MEANS AND METHODS WILL NEED TO BE APPROVED BY THE ENGINEER AND VILLAGE OF MUKWONAGO PRIOR TO IMPLEMENTATION.



LEGEND

PROPERTY LINE		LIGHT POLE	
EASEMENT LINE		ADA PARKING SIGN	
WETLAND BOUNDARY		RIP-RAP	
BUILDING OUTLINE		CONSTRUCTION ENTRANCE	
PAVEMENT SETBACK LINE		EROSION MATTING (SEE NOTE 17)	
EDGE OF PAVEMENT		SPOT ELEVATION	
STANDARD CURB AND GUTTER		DITCH CHECK	
REJECT CURB AND GUTTER		INLET PROTECTION	
PROPOSED 1 FOOT CONTOUR			
PROPOSED 5 FOOT CONTOUR			
EXISTING 1 FOOT CONTOUR			
EXISTING 5 FOOT CONTOUR			
SILT FENCE			

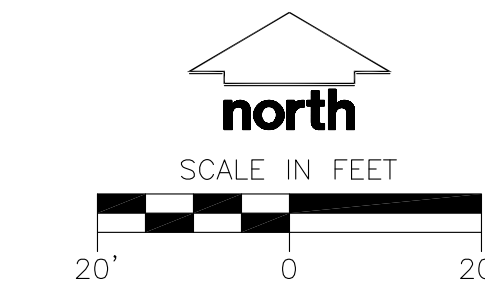
EROSION CONTROL NOTES

1. ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN WISCONSIN'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER GENERAL PERMIT FOR CONSTRUCTION SITE LAND DISTURBANCE ACTIVITIES. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS AND VILLAGE OF MUKWONAGO ORDINANCES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF, AND UNDERSTAND, THESE STANDARDS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
2. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL CONTROL MEASURES AS DIRECTED BY JSD PROFESSIONAL SERVICES, INC. (JSD) OR AUTHORITY HAVING JURISDICTION SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
3. MODIFICATIONS TO THE APPROVED EROSION CONTROL PLAN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF THE MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS. CONTRACTOR IS RESPONSIBLE TO NOTIFY JSD AND AUTHORITY HAVING JURISDICTION OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ALL MODIFICATIONS MUST BE APPROVED BY JSD/AUTHORITY HAVING JURISDICTION PRIOR TO DEVIATION FROM THE APPROVED PLAN.
4. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCE(S), SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN IN ORDER TO PROTECT ADJACENT PROPERTIES/STORM SEWER SYSTEMS FROM SEDIMENT TRANSPORT.
5. CONSTRUCTION ENTRANCE(S) SHALL BE INSTALLED AT THE LOCATION OF VEHICLE INGRESS/EGRESS POINT(S) AS SHOWN ON THE PLAN. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATION(S) WITH THE PROPER AUTHORITY HAVING JURISDICTION, PROVIDE NECESSARY FEES AND OBTAIN ALL REQUIRED APPROVALS OR PERMITS. ADDITIONAL CONSTRUCTION ENTRANCES OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE APPLICABLE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
6. PAVED SURFACES ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEEPED AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE AUTHORITY HAVING JURISDICTION.
7. THE ADJACENT INLETS THAT WILL COLLECT RUNOFF FROM DISTURBED AREAS SHALL BE PROTECTED TO PREVENT SEDIMENT DEPOSITION. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER. ALL INLETS, STRUCTURES, PIPES, AND SWALES SHALL BE KEPT CLEAN AND FREE OF SEDIMENTATION AND DEBRIS.
8. AT A MINIMUM, SEDIMENT TRAPS AND NECESSARY TEMPORARY DRAINAGE PROVISIONS SHALL BE CONSTRUCTED AND OPERATING DURING SIGNIFICANT MASS GRADING OPERATIONS TO PREVENT OFFSITE DISCHARGE OF UNTREATED RUNOFF.
9. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.
10. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.
11. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.) OUTSIDE OF THE PERIMETER CONTROLS SHALL INCORPORATE THE FOLLOWING:
 - PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE Dewatering Technical Standard No. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
12. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND DITCH CHECKS SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
13. TOPSOIL STOCKPILE SHALL BE LOCATED GENERALLY AS SHOWN. CONTRACTOR MAY SUBMIT AN ALTERNATE PLAN FOR LOCATION OF TEMPORARY TOPSOIL STOCKPILE TO ENGINEER FOR APPROVAL. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILE. STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."
14. EROSION CONTROL MEASURES TEMPORARILY REMOVED FOR UNAVOIDABLE CONSTRUCTION ACTIVITIES SHALL BE IN WORKING ORDER PRIOR TO THE COMPLETION OF EACH WORK DAY.
15. PUMPS MAY BE USED AS BYPASS DEVICES. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS.
16. GRADING EFFORTS SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES. ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF FOURTEEN (14) DAYS REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS.
17. ALL DISTURBED SLOPES EXCEEDING 4:1 YET LESS THAN 3:1, SHALL BE STABILIZED WITH NORTH AMERICAN GREEN S75BN EROSION MATTING (OR APPROVED EQUAL) AND DISTURBED SLOPES EXCEEDING 3:1 YET LESS THAN 2:1 SHALL BE STABILIZED WITH NORTH AMERICAN GREEN C125BN (OR APPROVED EQUAL) OR APPLICATION OF AN APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.
18. STABILIZATION PRACTICES:
 - 18.1. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
 - PERMANENT SEEDING IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
 - TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (100LBS/ACRE)
 - HYDRO-MULCHING WITH A TACKIFIER
 - GEOTEXTILE EROSION MATTING
 - SEEDING
 - 18.2. THE INITIATION OF SEEDING MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - 18.3. CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED. (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
 - 18.4. STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
 - PERMANENT SEEDING IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
 - TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (100LBS/ACRE)
 - HYDRO-MULCHING WITH A TACKIFIER
 - GEOTEXTILE EROSION MATTING
 - SEEDING
19. DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE FOR THE PURPOSE OF WATERING DOWN SOILS WHICH MAY OTHERWISE BECOME AIRBORNE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT THEIR EXPENSE. REFER TO WDNR TECHNICAL STANDARD 1068.
20. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE VISUALLY INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM ON A DAILY BASIS.
21. MAINTAIN SOIL. EROSION CONTROL DEVICES THROUGH THE DURATION OF THIS PROJECT. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES. DISTURBANCE ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
22. QUALIFIED PERSONNEL (PROVIDED BY THE GENERAL/PRIME CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AND EROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS OF ALL 0.5-INCH OR MORE PRECIPITATION EVENTS WITH A MINIMUM INSPECTION INTERVAL OF ONCE EVERY SEVEN (7) CALENDAR DAYS IN THE ABSENCE OF A QUALIFYING RAIN OR SNOWFALL EVENT. REPORTING SHALL BE IN ACCORDANCE WITH PART IV D.4. (a)-(f) OF THE NPDES GENERAL PERMIT. CONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DEFICIENT ITEMS REVEALED DURING INSPECTIONS REPAIRED/REPLACED.
23. THE FOLLOWING MAINTENANCE PRACTICES SHALL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. UPON IDENTIFICATION, DEFICIENCIES IN STORMWATER CONTROLS SHALL BE ADDRESSED IMMEDIATELY. THE MAINTENANCE PROCEDURES FOR THIS DEVELOPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO THOSE LISTED BELOW:
 - SILT FENCE - REPAIR OR REPLACE ANY DAMAGED FILTER FABRIC AND/OR STAKES. REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE ABOVE GROUND HEIGHT OF THE FENCE.
 - CONSTRUCTION ENTRANCE - AS NEEDED, ADD STONE TO MAINTAIN CONSTRUCTION ENTRANCE DIMENSIONS AND EFFECTIVENESS.
 - EROSION CONTROL MATTING - REPAIR MATTING IMMEDIATELY IF INSPECTION REVEALS BREACHED OR FAILED CONDITION. SOIL AND RE-GRADE SOIL WHERE CHANNELIZATION HAS OCCURRED.
 - DIVERSION BERM/SWALE - REPLACE OR RE-COMPACT THE CONSTRUCTION MATERIALS AS NECESSARY.
 - INLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC AND/OR STONE WHEN CONTROL MEASURE IS CLOGGED. INLET FILTER BAGS SHALL BE REPLACED ONCE BAG BECOMES ONE-HALF FULL OF SEDIMENT.

ADDITIONAL POLLUTANT CONTROL MEASURES TO BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

- CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF. THIS INCLUDES ALL CONSTRUCTION SITE WASTE MATERIAL, EXCAVATION WASTE, AND WASTE FROM VEHICLES. THE CONTRACTOR SHALL ENSURE THAT NO MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, BURNED, OR DISCHARGED TO THE WATERS OF THE STATE. VEHICLES HAULING MATERIAL AWAY FROM THE SITE SHALL BE COVERED WITH A TARP/AUIN TO PREVENT BLOWING DEBRIS.
- DUST CONTROL SHALL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:
 - COVERING SOIL OR MORE OF THE SOIL SURFACE WITH A NON-ERODIBLE MATERIAL
 - ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND. RIDGES SHALL BE AT LEAST SIX (6) INCHES IN HEIGHT.
 - FREQUENT WATERING OF EXCAVATION AND FILL AREAS.
 - PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES, PARKING AREAS AND TRANSIT PATHS.
 - STREET SWEEPING SHALL BE PERFORMED TO IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ON PAVEMENTS.

24. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNR REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNR REQUIREMENTS.



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P. 262.513.0666

CLIENT:



CLIENT ADDRESS:
2100 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:

**BIRCHROCK CASTLE
ADDITION**

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

PLAN MODIFICATIONS:

#	Date:	Description:
1	12/12/2019	Revised per City Comments
2	01/29/2020	PER WDNR COMMENTS
4	02/06/2020	Rev. per VII. & WDNR Comments
5		
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15		

Design/Drawn: CAP
Approved: DSR
Date: 11/06/2019

SHEET TITLE:
**EROSION CONTROL
PLAN**

SHEET NUMBER:

C4.0

JSD PROJECT NO:

UTILITY NOTES

- ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.
- PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR:
 - EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO ANY PART OF CONSTRUCTION.
 - OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
 - VERIFYING ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
 - NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
 - COORDINATING ALL CONSTRUCTION WITH MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
 - COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND WATER CONSTRUCTION IN WISCONSIN HEREIN REFERRED TO AS THE "STANDARD SPECIFICATIONS" AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.
- SPECIFICATIONS SHALL COMPLY WITH THE VILLAGE OF MUKWONAGO SPECIFICATIONS AND WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (DPS) 382.
- TRACER WIRES SHALL BE INSTALLED AS NECESSARY IN ACCORD WITH 182.07(5)(26) OF THE STATE STATUTES AND THE VILLAGE OF MUKWONAGO REQUIREMENTS.
- LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN LENGTHS ARE SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPUTATIONS OF MATERIALS REQUIRED TO COMPLETE WORK. LENGTHS SHALL BE FIELD VERIFIED DURING CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS, ELEVATIONS, AND SIZES OF PROPOSED UTILITIES AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS PRIOR TO ATTEMPTING CONNECTIONS AND BEGINNING UTILITY CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
- CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION.
- THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
- ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE TO REMAIN, THAT ARE DAMAGED BY THE CONTRACTOR, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- WATER SERVICE FOR THE PROPOSED ADDITION TO BE INTERNALLY FED FROM EXISTING BUILDING. SEE ARCHITECTURAL PLANS FOR DETAILS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING UTILITY AS-BUILT PLANS DRAWINGS PREPARED TO MUNICIPALITY STANDARDS ARE REQUIRED PRIOR TO OCCUPANCY PERMIT ISSUANCE. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING AND REPORTING ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS TO THE ENGINEER AS WORK PROGRESSES.
- SEE TABLE FOR STORM SEWER STRUCTURE INFORMATION.

STORM SEWER SPECIFICATIONS -

PIPE - ALL STORM SEWER USED ON THIS PROJECT SHALL BE HIGH DENSITY POLYETHYLENE UNLESS OTHERWISE NOTED.

HIGH DENSITY POLYETHYLENE SMOOTH-WALLED INTERIOR CORRUGATED PIPE SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS. MANHOLES SHALL BE 4' DIA. AND SHALL MEET THE REQUIREMENTS OF ASHOTO DESIGNATION 24-24 TYPE 5 MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D3350, D2412, AND D2321 WITH ELASTOMERIC GASKETS CONFORMING TO ASTM F477.

INLETS AND FRAMES

INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (DPS) 382.36(9)(3).

FRAMES AND GRATES SHALL BE GRAY IRON MATERIAL (PER ASTM A-48) OF STYLES / NEENAH CATALOG NUMBERS AS INDICATED ON THESE CONSTRUCTION DRAWINGS.

MANHOLES AND FRAMES MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF DPS 382.36(9)(3).

FRAMES AND LIDS SHALL BE GRAY IRON MATERIAL (PER ASTM A-48) OF STYLES/NEENAH CATALOG NUMBERS AS INDICATED ON THESE CONSTRUCTION DRAWINGS. INTERNAL CHAINPIPE SEALS SHALL BE ORDER SPECIALTY PRODUCTS OR EQUAL.

CLEANOUTS - CLEANOUTS SHALL BE EQUIPPED WITH FROST SLEEVES IN ACCORDANCE WITH DPS 382.35(5)(4)(2). (REFER TO DETAIL)

BACKFILL AND BEDDING - STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

ROOF LEADER/STORM DRAIN LINES - ALL EXISTING ROOF LEADERS/STORM DRAIN LINES ENCOUNTERED WHICH ARE NOT SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF JSD PRIOR TO ABANDONMENT, REMOVAL, OR CONNECTION TO THE PROPOSED STORM SEWER SYSTEM. PROPOSED ROOF LEADERS FOR NORTHERLY SIDE OF ADDITION TO DRAIN TO SPLASH BLOCKS AND THEN OVERFLOW TO INTO PROPOSED STORM SEWER SYSTEM OR BE DIRECTLY TIED INTO PROPOSED STORM SEWER SYSTEM.

PIPE - ALL WATERMAIN PIPE USED ON THIS PROJECT SHALL BE POLYVINYL CHLORIDE UNLESS OTHERWISE NOTED.

POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET THE REQUIREMENTS OF AWMA STANDARD C-900, CLASS 150, DR-18, WITH CAST IRON O.D. AND METALLIC ELASTOMERIC BELL AND SPIGOT JOINTS. NON-METALLIC WATER MAINS SHALL BE INSTALLED WITH BLUE INSULATION TRACER WIRE AND CONFORM WITH DPS 382.30(1)(h).

VALVES AND VALVE BOXES - GATE VALVES SHALL BE AWMA GATE VALVES MEETING THE REQUIREMENTS OF AWMA C-500 AND CHAPTER 8.2.7.2 OF THE "STANDARD SPECIFICATIONS". GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES.

HYDRANTS - HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE VILLAGE OF MUKWONAGO. THE DISTANCE FROM THE GROUND LINE TO THE CENTERLINE OF THE LOWEST NOZZLE AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18-INCHES AND NO GREATER THAN 23-INCHES (SEE DETAIL).

10-GAUGE TRACER WIRE SHALL BE INSTALLED ALONG THE ENTIRE LENGTH OF ALL PRIVATE WATER MAINS, HYDRANT LEADS, FIRE DEPARTMENT CONNECTION LEADS AND LATERALS. THE TRACER WIRE SHALL BE EXTENDED TO THE SURFACE AT THE BUILDING WALL AND ALL OTHER SYSTEM LIMITS AND ENCLOSED IN RISER BOX WITH "WATER" ON THE COVER.

BEDDING AND COVER MATERIAL - PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.4.3.2 OF THE "STANDARD SPECIFICATIONS".

THREUST BLOCKS SHOULD BE USED WHEREVER NECESSARY TO PREVENT SEPARATION OF JOINTS AND PIPE MOVEMENT. JOINT RESTRAINTS MAY ALSO BE USED AS APPLICABLE.

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

WATERMAIN SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND INSTALLATION OF INSULATION SHALL BE CONFORMING WITH CHAPTER 4.17.0 "INSULATION" OF THE "STANDARD SPECIFICATIONS".

ALL NEW ON-SITE STORM AND WATER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.

THE CONTRACTOR SHALL CONTACT THE VILLAGE OF MUKWONAGO 48-HOURS IN ADVANCE TO COORDINATE CONNECTION TO THE MUNICIPAL SYSTEM.

SANITARY SEWER SPECIFICATIONS -

PIPE - SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.

BEDDING AND COVER MATERIAL - BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.4.3.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT."

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

MANHOLES - MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE VILLAGE OF MUKWONAGO.

MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROOFING OR EQUAL.

WATER MAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND PLACING OF INSULATION SHALL CONFORM TO CHAPTER 4.17.0 "INSULATION" OF THE "STANDARD SPECIFICATIONS".

TRACER WIRE SHALL BE INSTALLED ALONG THE SANITARY SEWER SERVICE. THE TRACER WIRE SHALL BE CONTINUOUS AND SHALL BE EXTENDED ABOVE GRADE VIA A 4-INCH PVC PIPE WITH SOFT-WIN CAP ADJACENT TO THE PROPOSED TERMINATION POINT OF THE LATERAL FOR THE PROPOSED BUILDING.

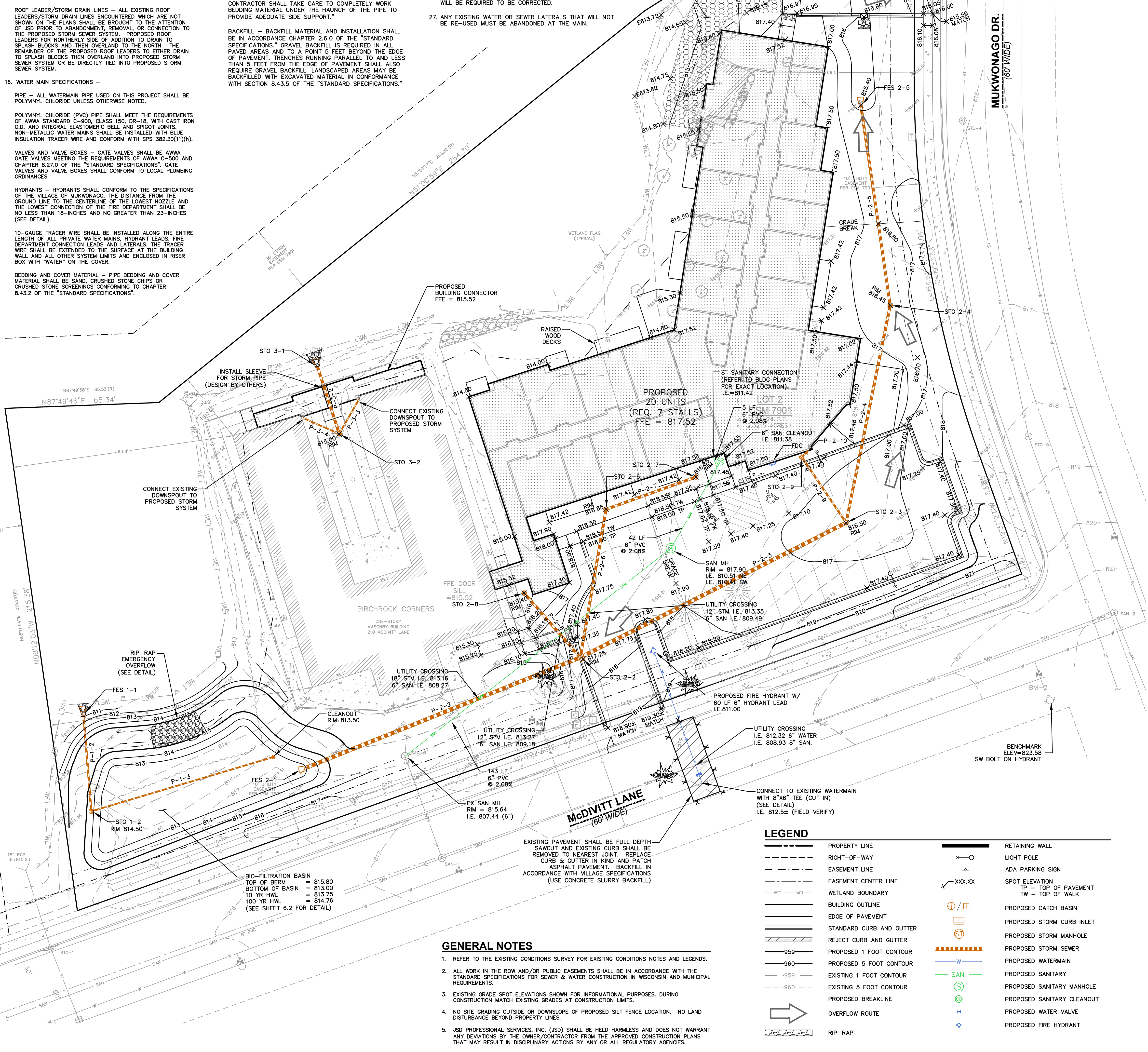
ALL NEW ON-SITE SANITARY, STORM AND WATER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.

THE CONTRACTOR SHALL CONTACT THE VILLAGE OF MUKWONAGO 48-HOURS IN ADVANCE OF WATER CONNECTIONS TO THE CITY-OWNED SYSTEM TO SCHEDULE INSPECTIONS.

UTILITY AS-BUILT PLANS DRAWINGS PREPARED TO VILLAGE STANDARDS ARE REQUIRED PRIOR TO OCCUPANCY PERMIT ISSUANCE. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING AND REPORTING ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS TO THE ENGINEER AS WORK PROGRESSES.

ANY EXISTING SANITARY SEWER LATERALS THAT ARE TO BE RE-USED MUST BE TELEVIEWED AND THE REPORTS PROVIDED THE CITY FOR REVIEW, AND ANY LATERAL DEFICIENCIES WILL BE REQUIRED TO BE CORRECTED.

ANY EXISTING WATER OR SEWER LATERALS THAT WILL NOT BE RE-USED MUST BE ABANDONED AT THE MAIN.



GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES, DURING CONSTRUCTION MATCH EXISTING DATA AT CONSTRUCTION LIMITS.
- NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
- JSD PROFESSIONAL SERVICES, INC. (JSD) SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

LEGEND

PROPERTY LINE	RETAINING WALL
RIGHT-OF-WAY	LIGHT POLE
EASEMENT LINE	ADA PARKING SIGN
EASEMENT CENTER LINE	SPOT ELEVATION
WETLAND BOUNDARY	TW = TOP OF WALK
BUILDING OUTLINE	PROPOSED CATCH BASIN
EDGE OF PAVEMENT	PROPOSED STORM CURB INLET
STANDARD CURB AND GUTTER	PROPOSED STORM MANHOLE
REJECT CURB AND GUTTER	PROPOSED STORM SEWER
PROPOSED 1 FOOT CONTOUR	PROPOSED WATERMAIN
PROPOSED 5 FOOT CONTOUR	PROPOSED SANITARY
EXISTING 1 FOOT CONTOUR	PROPOSED SANITARY MANHOLE
EXISTING 5 FOOT CONTOUR	PROPOSED SANITARY CLEANOUT
PROPOSED BREAKLINE	PROPOSED WATER VALVE
OVERFLOW ROUTE	PROPOSED FIRE HYDRANT
RIP-RAP	

GRADING AND SEEDING NOTES

- THE CONTRACTOR SHALL FIELD VERIFY THE FOLLOWING:
 - ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK.
 - LOCATION AND ELEVATION OF:
 - EXISTING PIPE INVERTS
 - CURB OR PAVEMENT WHERE MATCHING INTO EXISTING WORK
 - HORIZONTAL CONTROL BY REFERENCEING SHOWN COORDINATES TO KNOWN PROPERTY LINES.
- NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
- ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE JSD PROFESSIONAL SERVICES, INC. (JSD) PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD ATTEMPTS TO PROVIDE A COST-EFFECTIVE APPROACH TO DETAILED EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS INCLUDING SAFETY, AESTHETICS AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
- THE CONTRACTOR MAY SOLICIT APPROVAL FROM JSD/OWNER TO ADJUST FINAL GRADES FROM DESIGN GRADES TO PROVIDE AN OVERALL SITE BALANCE AS A RESULT OF FIELD CONDITIONS.
- ALL UNSURFACED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL AND BE SEED, MULCHED AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- THIS GRADING PLAN IS BASED ON A TOPOGRAPHIC SURVEY. SOME FIELD ADJUSTMENTS MAY BE NECESSARY AT POINTS WHERE PROPOSED GRADES MEET EXISTING. REVIEW ANY REQUIRED CHANGES WITH JSD PRIOR TO CONSTRUCTION OF WORK.
- PROPERTY CORNER MARKERS SHALL BE CAREFULLY PROTECTED. MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- PROPOSED CONTOURS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. ALL CONSTRUCTION SHALL BE BASED UPON PROPOSED SPOT ELEVATIONS WHERE PROVIDED.
- PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES LOCATED ALONG THE FLANGE LINE, NOT TOP OF CURB GRADES, UNLESS OTHERWISE NOTED.
- ALL EXCAVATIONS AND MATERIAL PLACEMENT SHALL BE COMPLETED TO DESIGN ELEVATIONS AS DEPICTED IN THE PLANS.
- GRADING ACTIVITIES SHALL BE IN A MANNER TO ALLOW POSITIVE DRAINAGE ACROSS DISTURBED SOILS, WHICH MAY INCLUDE EXCAVATION OF TEMPORARY DITCHES TO PREVENT PONDING, AND IF NECESSARY, PUMPING TO ALLEVIATE PONDING. CONTRACTOR SHALL PREVENT SURFACE WATER FROM ENTERING INTO EXCAVATIONS, IN NO WAY SHALL OWNER BE RESPONSIBLE FOR REMEDIATION OF UNSUITABLE SOILS OR CREATED/ORIGINATED AS A RESULT OF IMPROPER SITE GRADING OR SEQUENCING. CONTRACTOR SHALL SEQUENCE GRADING ACTIVITIES TO LIMIT EXPOSURE OF DISTURBED SOILS DUE TO WEATHER.
- THE CONTRACTOR IS RESPONSIBLE FOR MEETING MINIMUM COMPACTION STANDARDS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR SITE COMPACTION REQUIREMENTS. CONTRACTOR SHALL NOTIFY ENGINEER/OWNER IF PROPER COMPACTION CANNOT BE OBTAINED. THE PROJECT'S GEOTECHNICAL CONSULTANT SHALL DETERMINE WHICH IN-SITU SOILS ARE TO BE CONSIDERED UNSUITABLE SOILS. THE ENGINEER/OWNER AND GEOTECHNICAL TESTING CONSULTANT WILL DETERMINE IF REMEDIAL MEASURES WILL BE NECESSARY.
- IN THE EVENT THAT ANY MOISTURE-DENSITY TEST(S) FAIL TO MEET SPECIFICATION REQUIREMENTS, THE CONTRACTOR SHALL PERFORM CORRECTIVE WORK AS NECESSARY TO BRING THE MATERIAL INTO COMPLIANCE AND RETEST THE FAILED AREA AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY JSD/OWNER IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ADEQUATE AND SAFE TEMPORARY SHORING, BRACING, RETENTION STRUCTURES, AND EXCAVATIONS.
- THE SITE SHALL BE COMPLETED TO WITHIN 0.10-FT (+/-) OF THE PROPOSED GRADES AS INDICATED WITHIN THE PLANS PRIOR TO PLACEMENT OF TOPSOIL OR STONE. CONTRACTOR IS ENCOURAGED TO SEQUENCE CONSTRUCTION SUCH THAT THE SITE IS DIVIDED INTO SMALLER AREAS TO ALLOW STABILIZATION OF DISTURBED SOILS IMMEDIATELY UPON COMPLETION OF INDIVIDUAL SMALLER AREAS.
- CONTRACTOR SHALL CONTACT "DIGGER'S HOTLINE" FOR LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DURING CONSTRUCTION.
- WORK WITHIN ANY ROADWAY RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE AUTHORITY HAVING JURISDICTION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FEES. GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID AUTHORITY. GRADING FOR REMEDIATION OF UNSUITABLE SOILS OR CREATED/ORIGINATED AS A RESULT OF IMPROPER SITE GRADING OR SEQUENCING, RESTORATION SHALL INCLUDE WITHIN RIGHT-OF-WAY IN-KIND INCLUDING LANDSCAPING.
- CONTRACTOR SHALL COMPLY WITH ALL CITY AND/OR STATE CONSTRUCTION STANDARDS/ORDINANCES.
- CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
- ALL DISTURBED AREAS SHALL BE SOODED AND/OR SEEDDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SO/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
- CONTRACTOR SHALL WATER ALL NEWLY SOODED/SEEDDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
- CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
- ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDDED, MULCHED, OR OTHER MEANS OF COVER PLACED WITHIN 2 WEEKS OF DISTURBANCE.
- 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 30 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 VILLAGE OF MUKWONAGO ORDINANCES.

PROPOSED STRUCTURES TABLE					
LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
FES 1-1		S INV: 810.83 (8')		8 IN HDPE FES	
FES 2-1		E INV: 813.00 (18')		18 IN HDPE FES	
FES 2-5		S INV: 815.40 (12')		12 IN HDPE FES	
STO 1-2	814.50	N INV: 811.00 (8') E INV: 811.00 (6')	3.0	36 IN CB (FLAT)	R-2565-G
STO 2-2	817.25	W INV: 813.25 (18') NE INV: 813.25 (18') NW INV: 813.25 (12') N INV: 813.25 (12')	4.0	72 IN MH (FLAT)	R-3067 TYPE R
STO 2-3	816.50	SW INV: 813.50 (18') N INV: 813.50 (12') NW INV: 813.50 (6')	3.0	60 IN MH (FLAT)	R-2501 TYPE D
STO 2-4	816.45	S INV: 813.88 (12') N INV: 813.88 (12')	2.6	12 IN DB	12 IN DOME GRATE
STO 2-6	816.85	S INV: 813.60 (12') E INV: 813.60 (12')	3.2	24 IN DB	24 IN DOME GRATE
STO 2-7	816.85	W INV: 813.85 (12')	3.0	12 IN DB	12 IN DOME GRATE
STO 2-8	815.40	SE INV: 813.32 (12')	2.1	24 IN DB	24 IN DOME GRATE
STO 2-9	817.35	SE INV: 813.85 (8') NE INV: 813.85 (8')	3.5	12 IN DB	12 IN DOME GRATE
STO 3-1		S INV: 812.50 (12')		12 IN HDPE FES	
STO 3-2	815.00	N INV: 812.65 (12') NE INV: 812.65 (6') NW INV: 812.65 (6')	2.4	24 IN DB	24 IN DOME GRATE

PROPOSED PIPES TABLE					
LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)
P-1-2	STO 1-2	FES 1-1	41'	811.00	810.83
P-1-3	STO 1-2	81'		811.40	811.00
P-2-2	STO 2-2	FES 2-1	125'	813.25	813.00
P-2-3	STO 2-3	STO 2-2	126'	813.50	813.25
P-2-4	STO 2-4	STO 2-3	94'	813.88	813.50
P-2-5	FES 2-5	STO 2-4	86'	815.40	813.88
P-2-6	STO 2-6	STO 2-2	64'	813.60	813.25
P-2-7	STO 2-7	STO 2-6	41'	813.85	813.60
P-2-8	STO 2-8	STO 2-2	36'	813.32	813.25
P-2-9	STO 2-9	STO 2-3	34'	813.85	813.50
P-2-10	Downspout	STO 2-9	4'	813.90	813.85
P-3-2	STO 3-2	STO 3-1	30'	812.65	812.50
P-3-3	Downspout	STO 3-2	17'	812.83	812.65
P-3-4	Downspout	STO 3-2	17'	812.83	812.65

Design/Drawn: CAP
Approved: DMR
Date: 11/06/2019

SHEET TITLE:
GRADING AND UTILITY PLAN

SHEET NUMBER:
C5.0

JSD PROJECT NO: 19-9231

north

SCALE IN FEET
20' 0 20'

Toll Free (800) 242-8511

Professional Services, Inc.
Engineers • Surveyors • Planners

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APPLETON | KENOSHA | CHICAGO
COEUR D'ALENE

MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:

CLIENT ADDRESS:
210 McDEVITT LANE
MUKWONAGO, WI 53149

PROJECT:
BIRCHROCK CASTLE ADDITION

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

PLAN MODIFICATIONS:

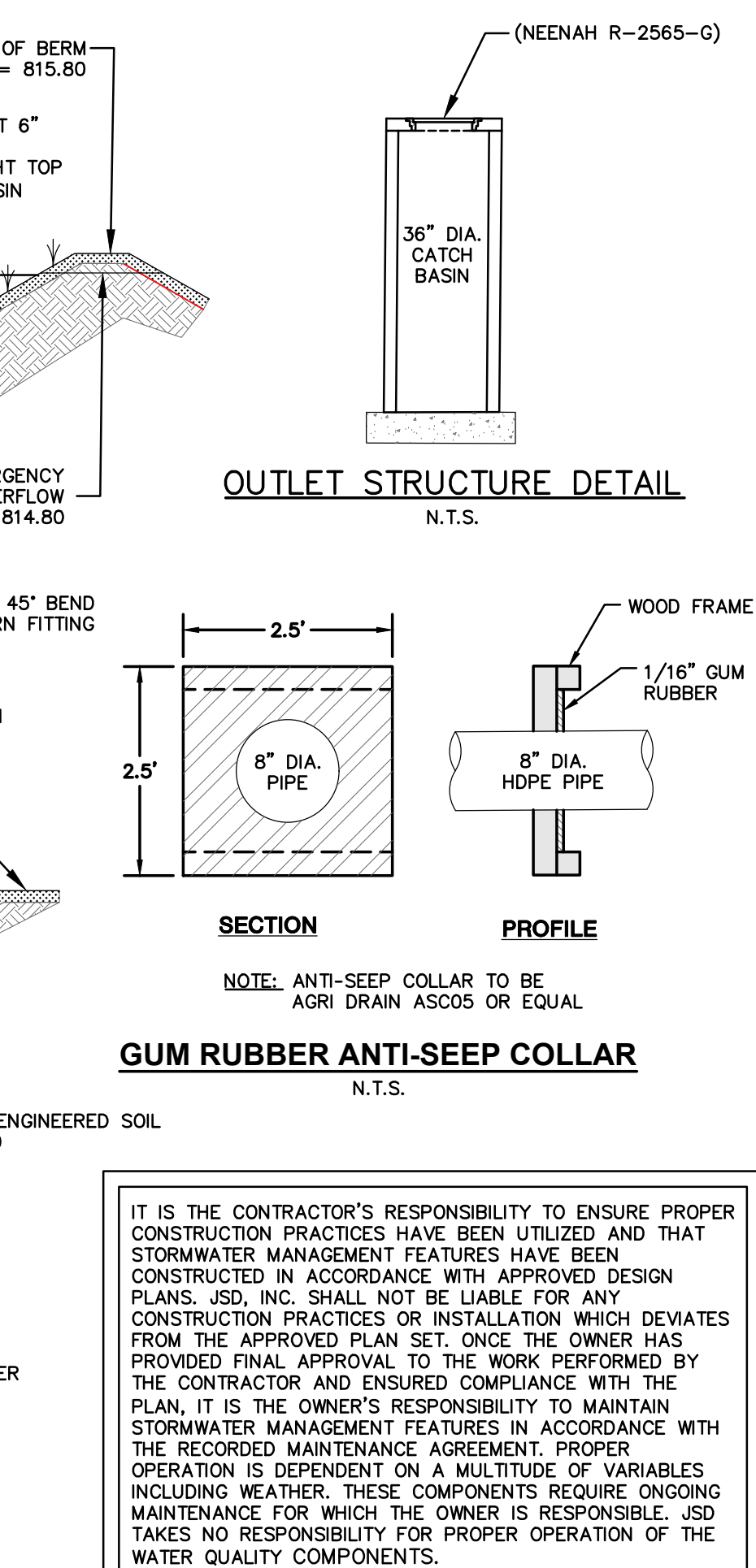
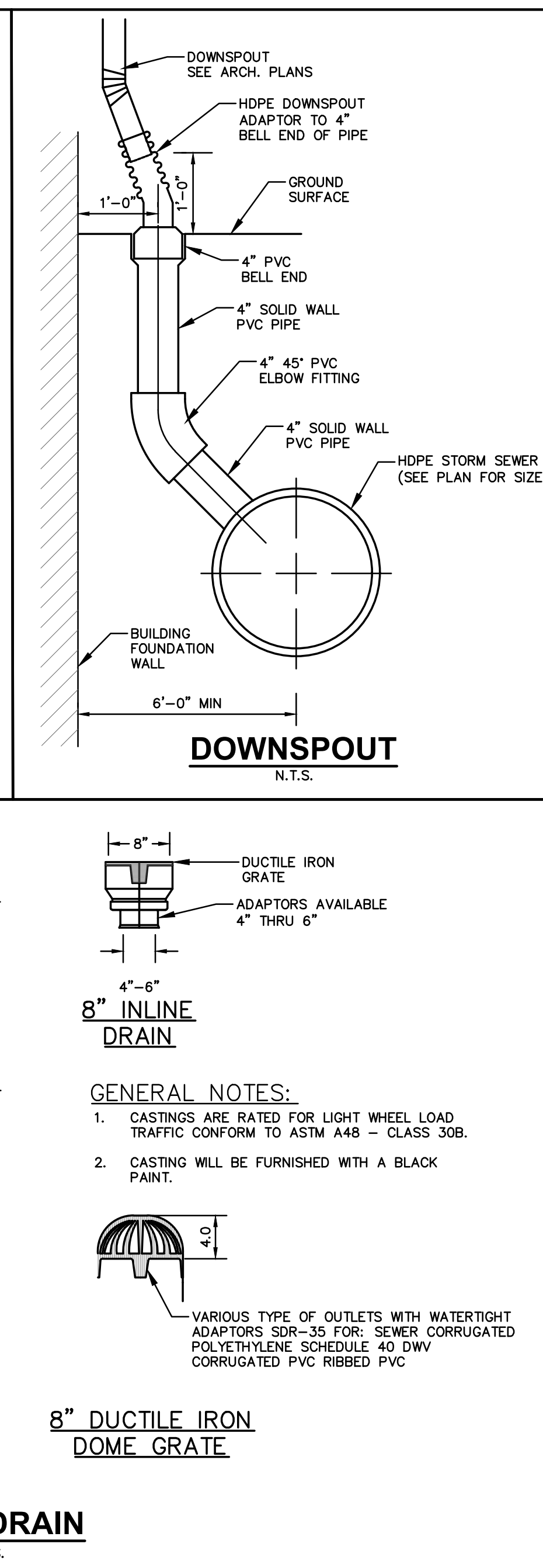
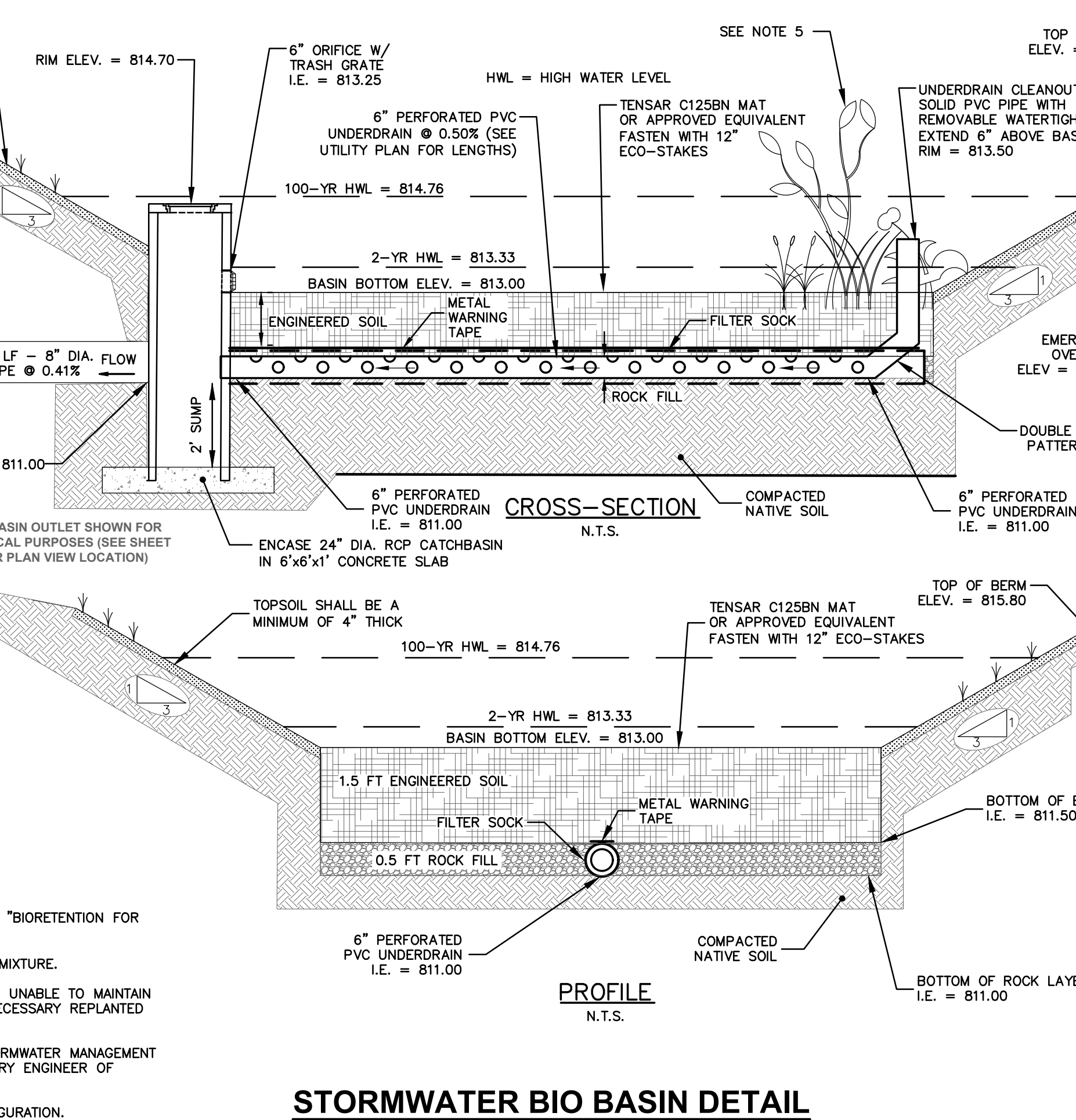
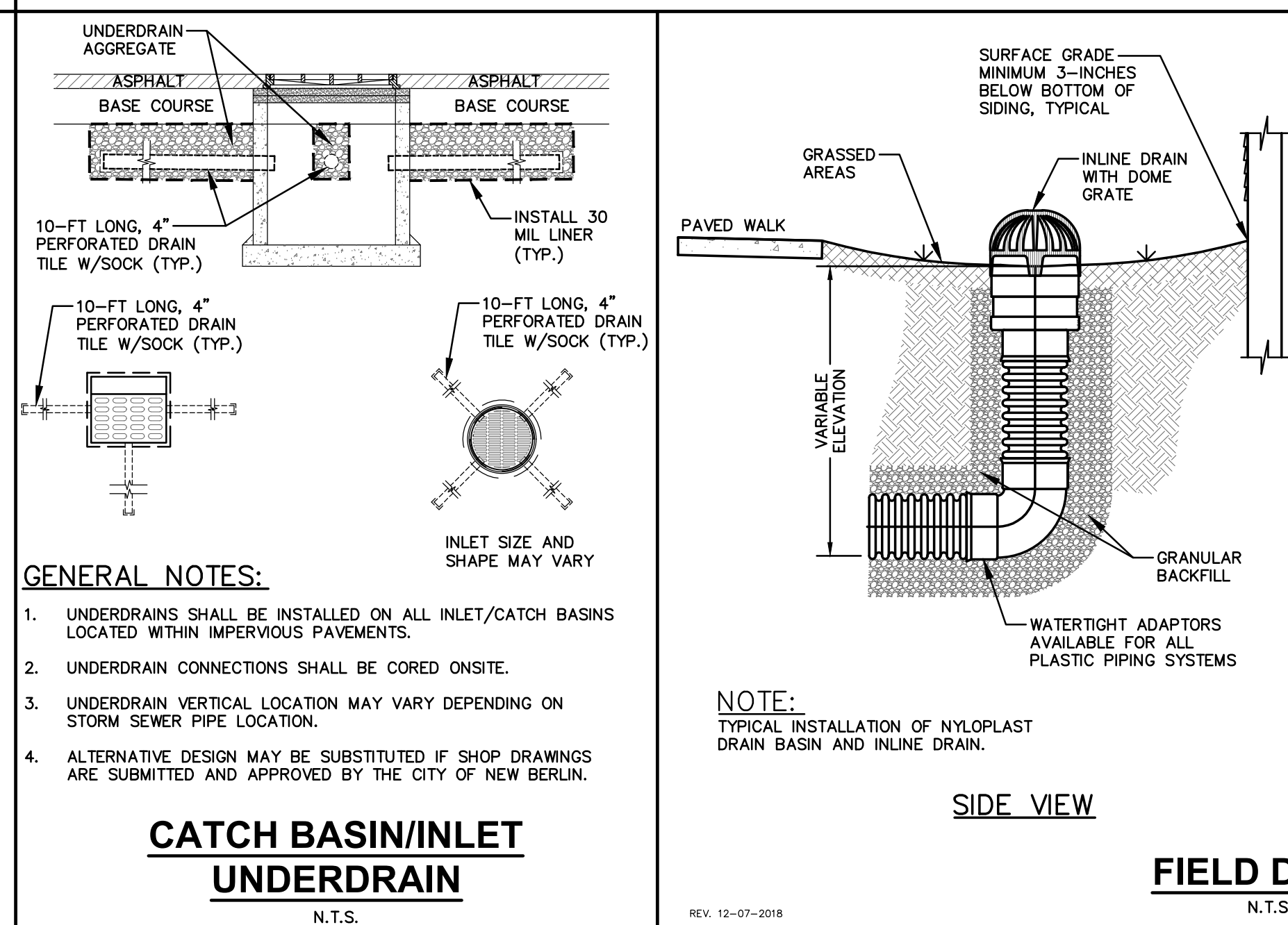
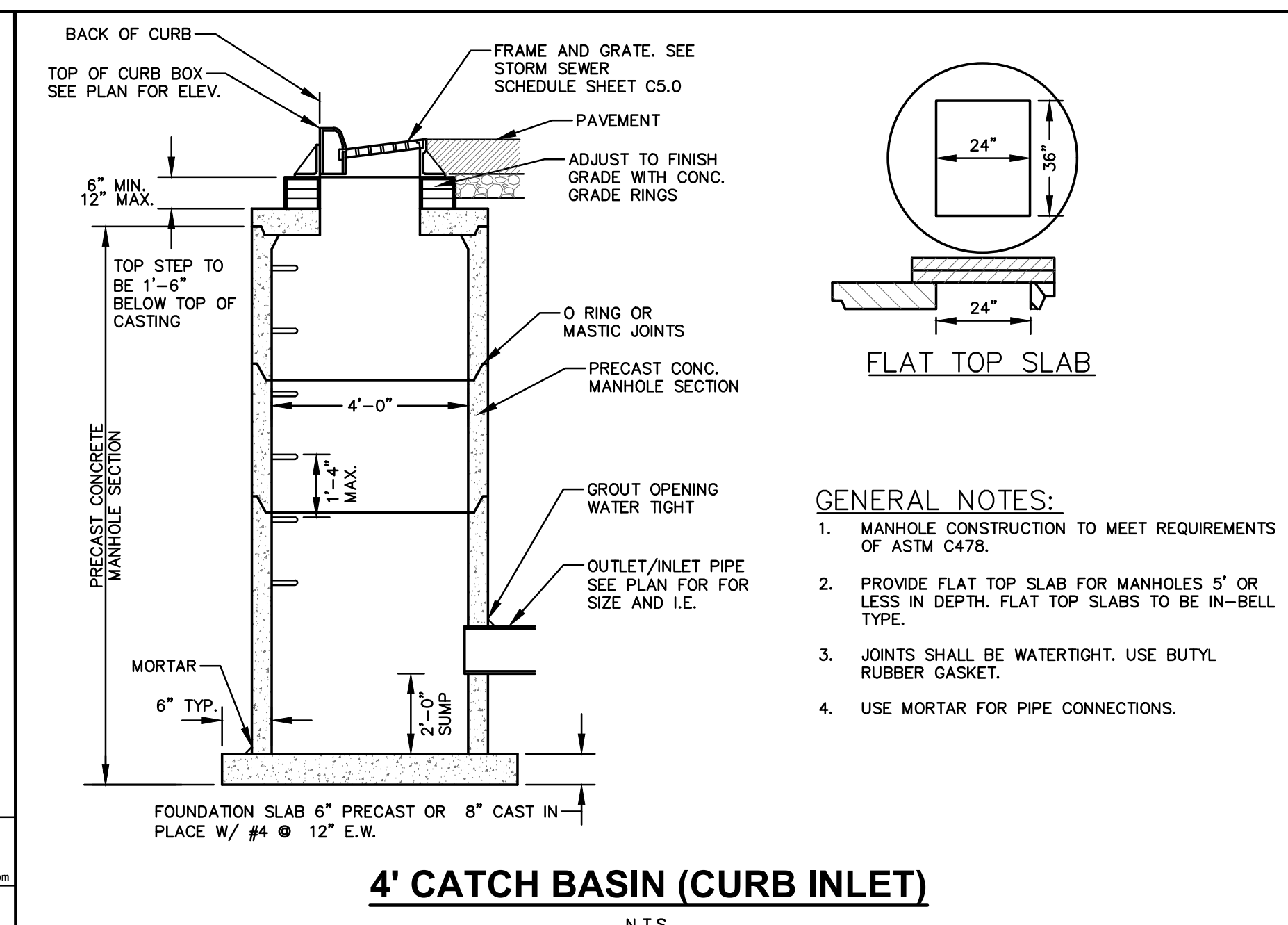
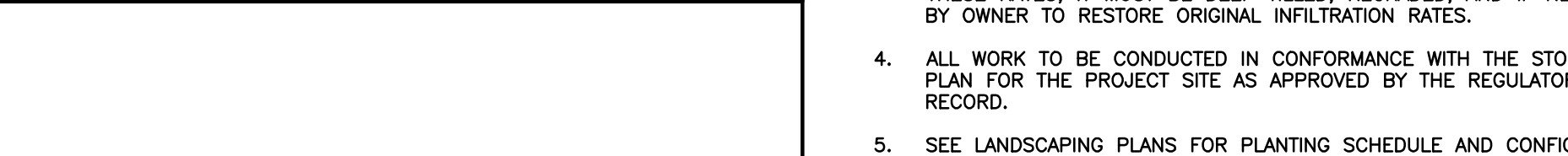
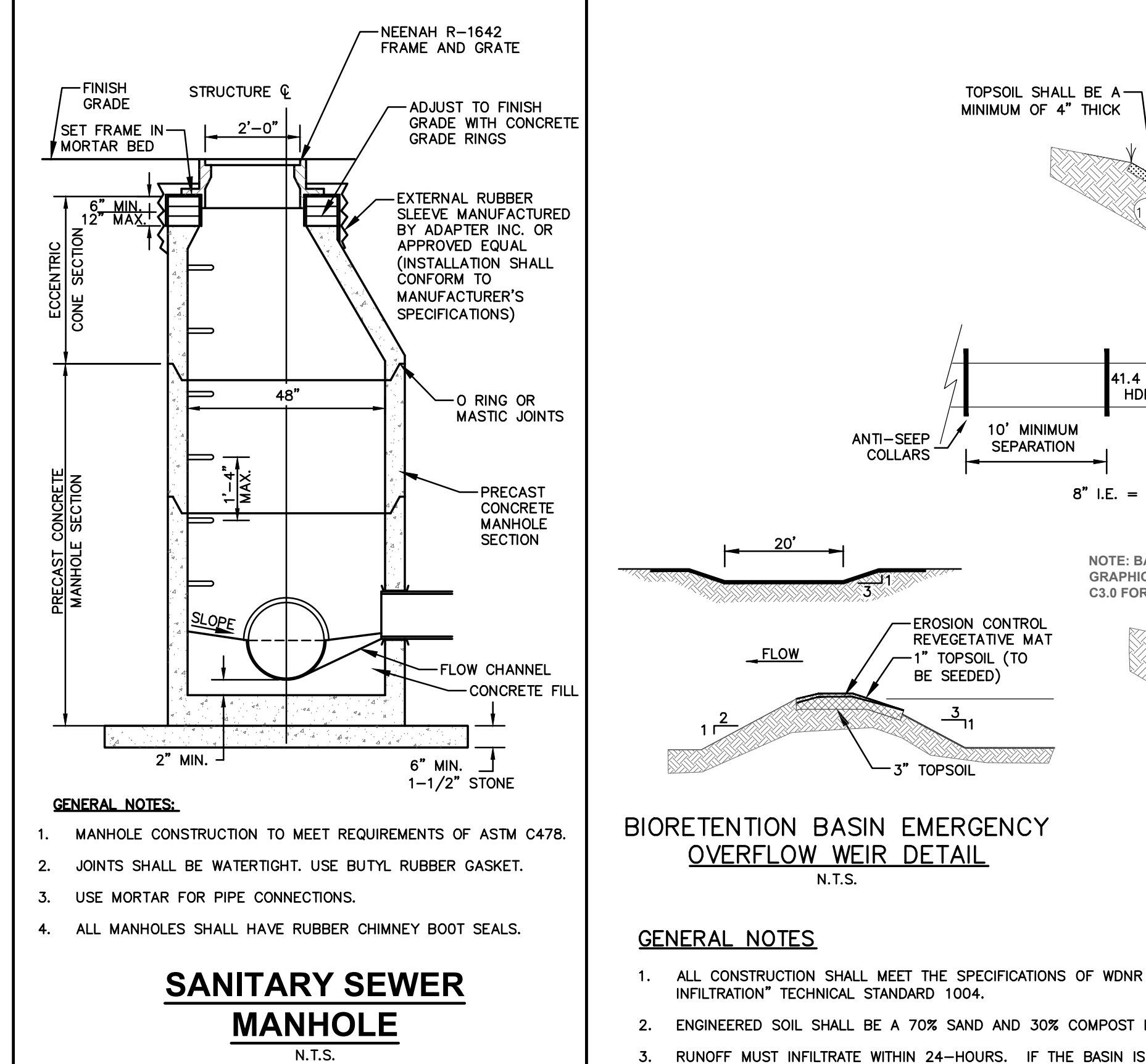
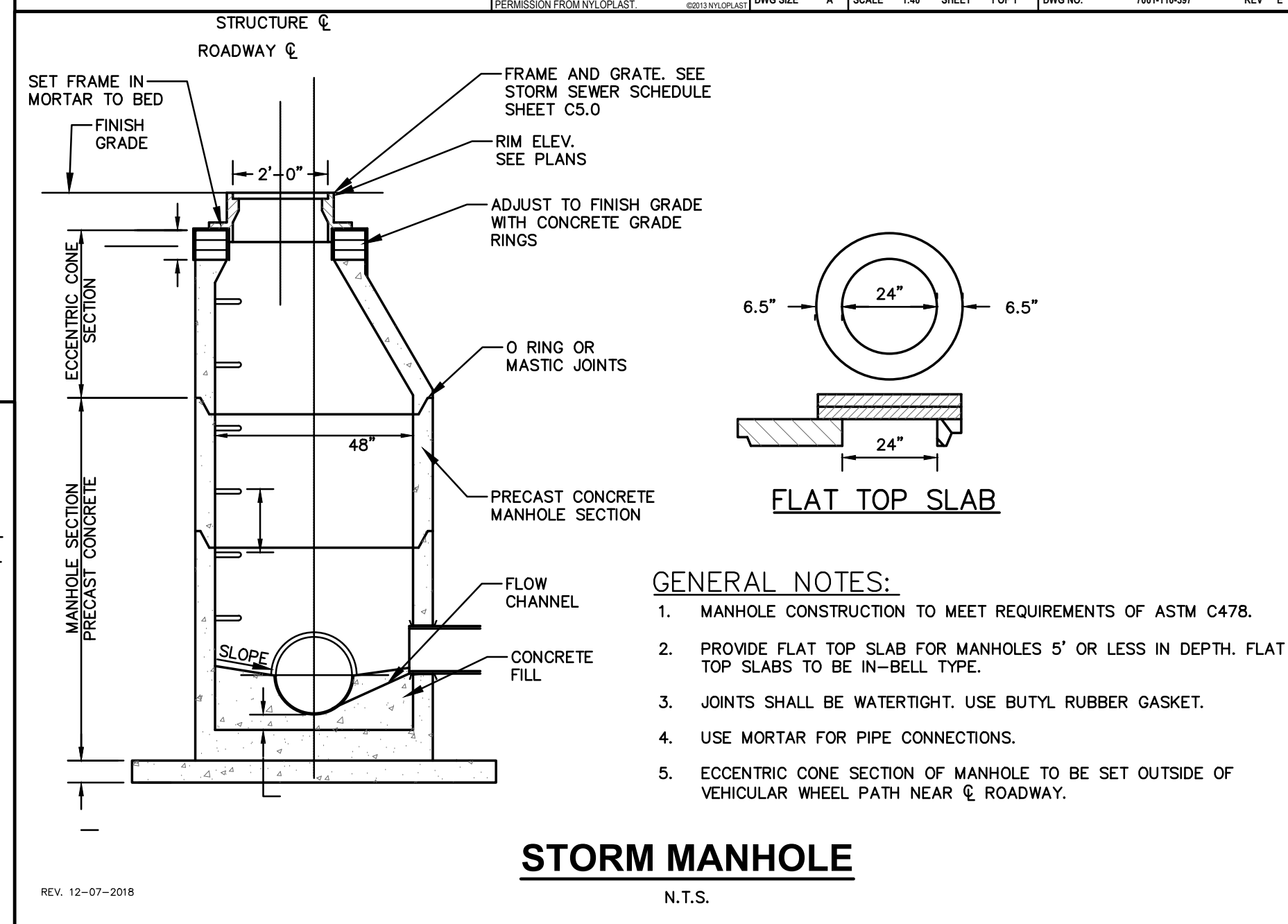
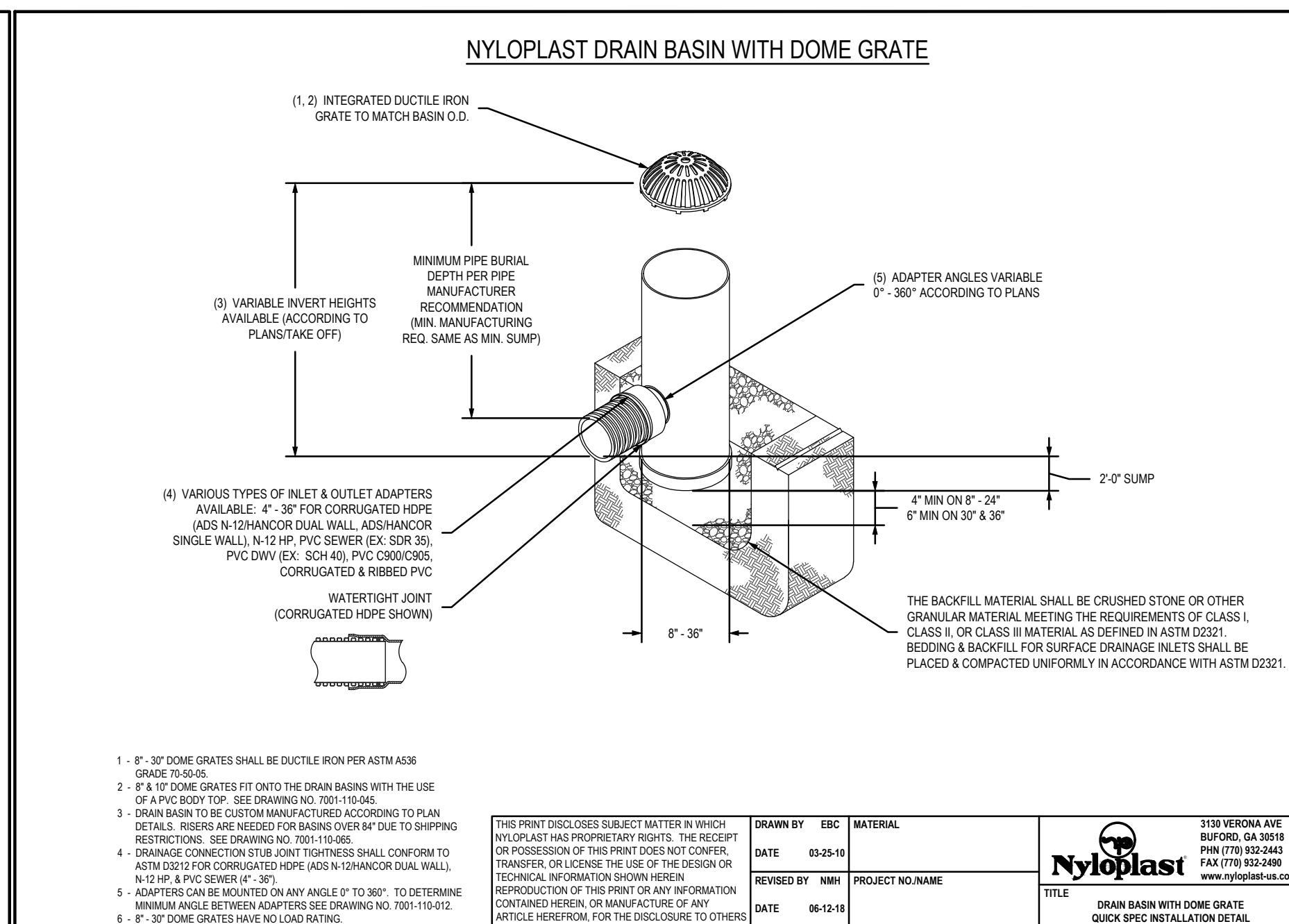
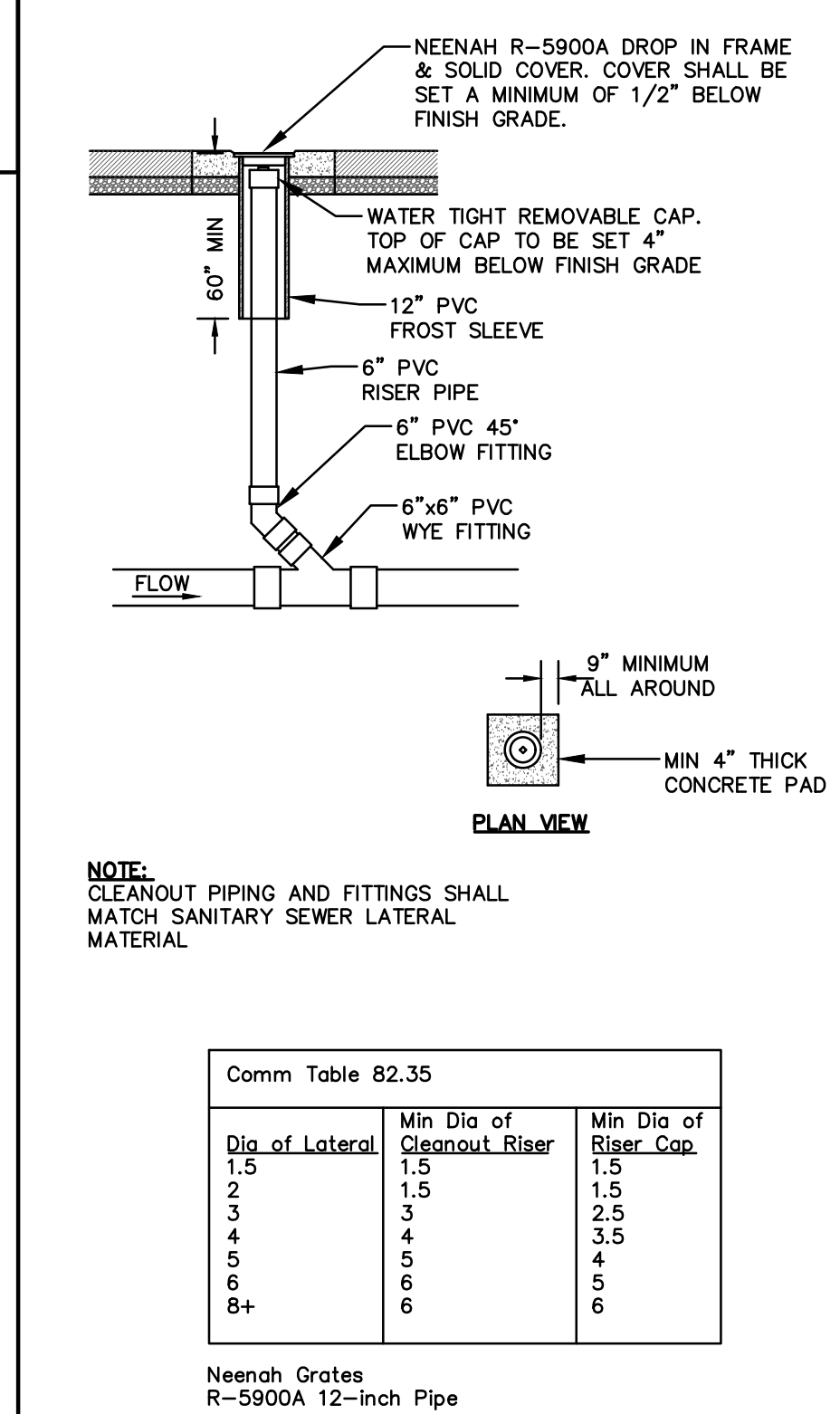
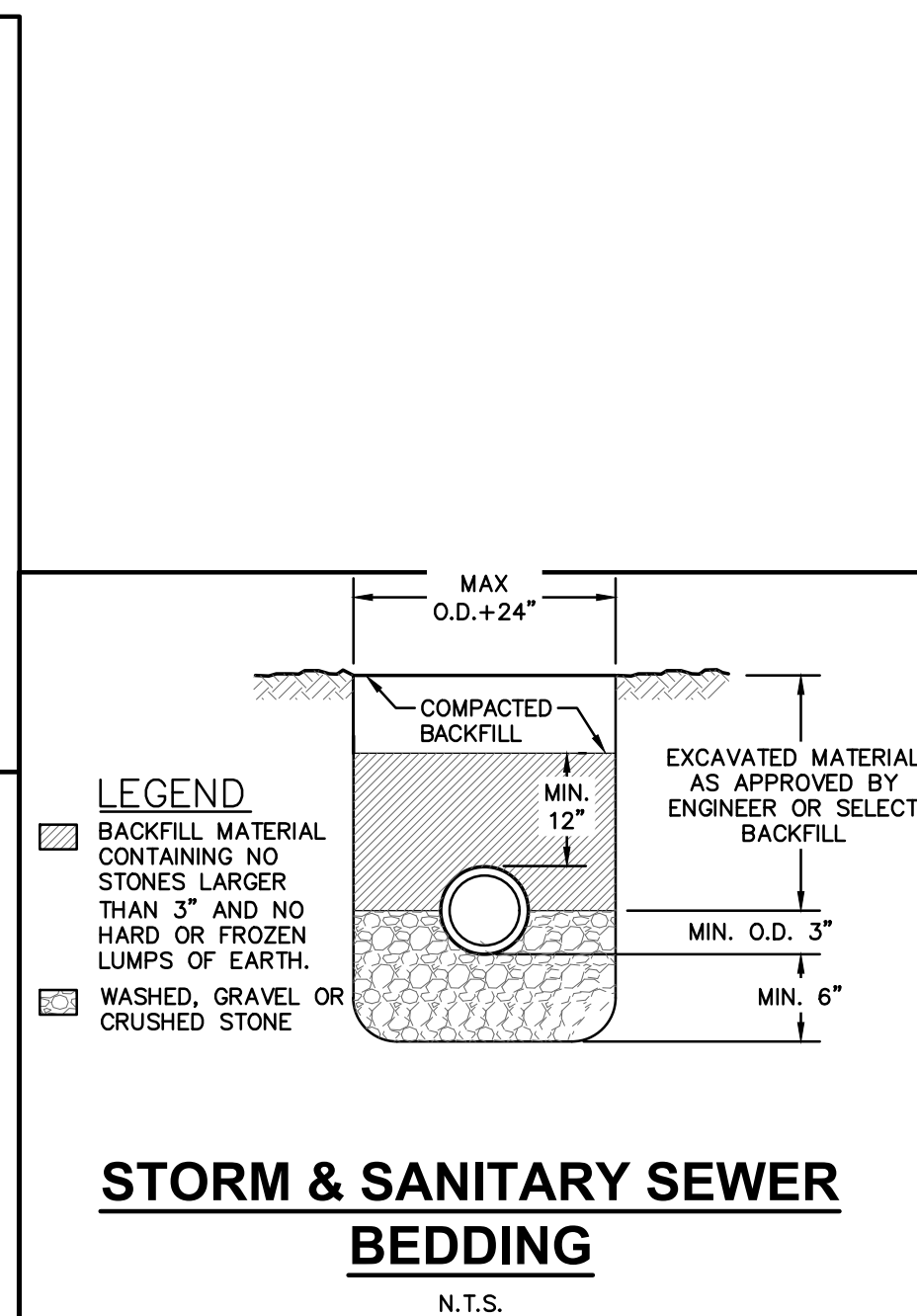
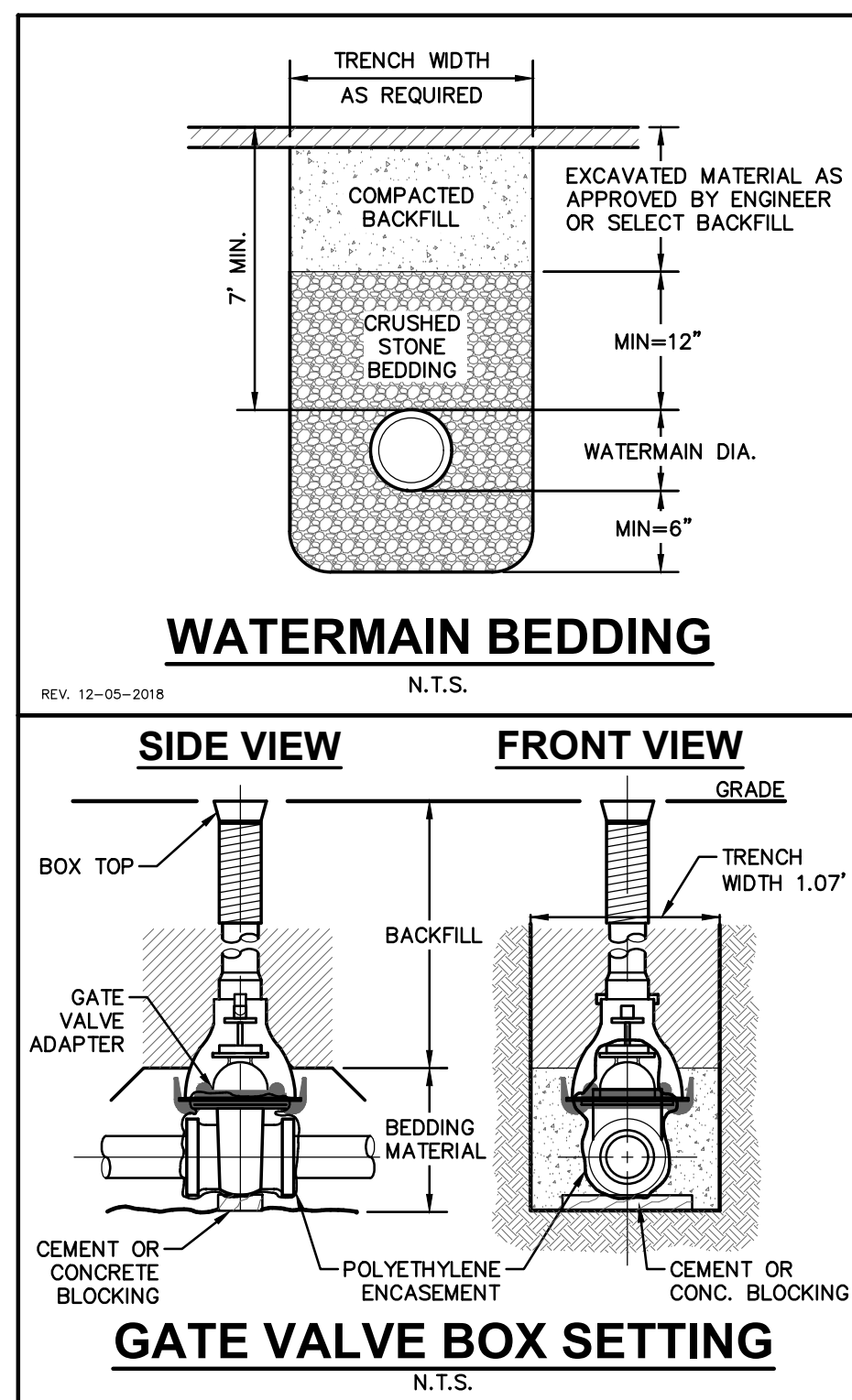
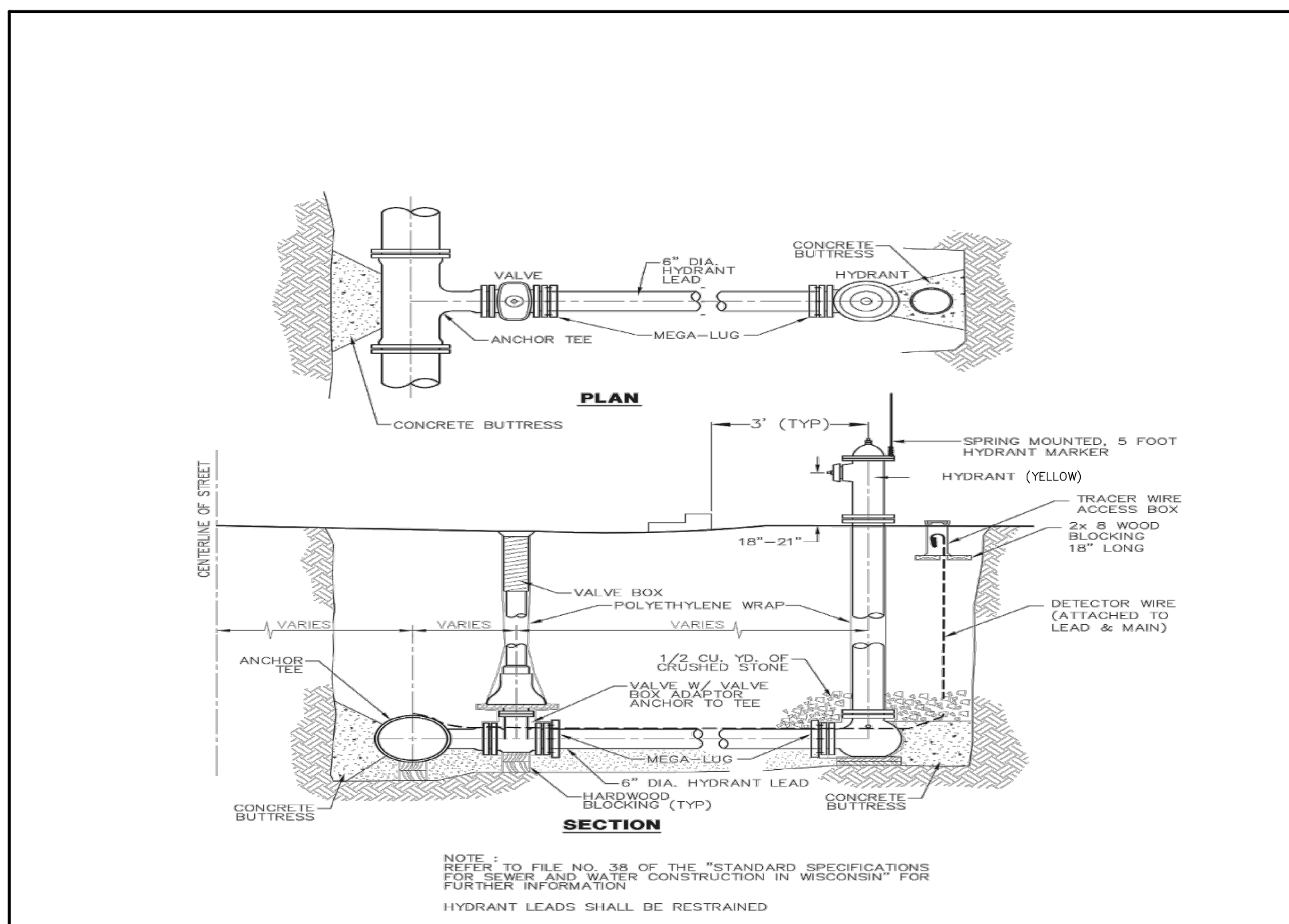
#	Date:	Description:
1	12/12/2019	Revised per Village Comments
2	02/06/2020	Rev. per VII. & WDNR Comments
3		
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15		

Design/Drawn: CAP
Approved: DMR
Date: 11/06/2019

SHEET TITLE:
GRADING AND UTILITY PLAN

SHEET NUMBER:
C5.0

JSD PROJECT NO: 19-9231



RATIONAL METHOD STORM SEWER CALCULATIONS															Project No. BIRCHROCK CASTLE ADDITION										MILWAUKEE REGIONAL OFFICE W238 N1610 Busse Road, Suite 100 Waukesha, Wisconsin 53188 P (262) 513-0666 Fax (262) 513-1232										 JSD Professional Services, Inc. • Engineers • Surveyors • Planners				
Project Location: Mukwonago, WI															Performed by: IRN																								
JSD Project Number: 19-9231															Date: 2/5/2020																								
Structure abbreviations are as follows: ES - End Section, MH - Manhole, FI - Field Inlet, TD - Trench Drain, BC - Building Connection, RD - Roof Drain, STB - Stub																																							
PIPE LOCATION		STRUCTURE CONTRIBUTING AREA					PIPE FLOW					PIPE DATA					PIPE CAPACITY INFORMATION										ELEVATIONS					COVER							
UP STRUCT	DOWN STRUCT	ROOF (SQ FT)	PAVED C = 0.95 (SQ FT)	GRASS C = 0.2 (SQ FT)	INDIV AREA (ACRES)	NDIV C VALUE UNTILLESS	STORM EVENT	INTENSITY I (INHR)	INDIV RUNOFF (CFS)	TOTAL FLOW (GPM)	LENGTH (FT)	DIA. (IN)	SLOPE %	MANHOLE INLET DRAINAGE AREA (SQ FT)	REQD DRAINAGE AREA (SQ FT)	ACTUAL FLOW (CFS)	PARTS FULL	VEL (FPS)	FULL FLOW (CFS)	TIME TO STRUCT (MIN)	TIME IN SEWER (MIN)	DROP THRU STRUCT (FT)	INVERT UP	INVERT DOWN	INVERT DOWN	COVER (FT)													
STO 2-5	STO 2-4	1290	0	2910	0.10	0.43	100	7.29	0.30	330	86.44	12.00	1.77%	0.012	0.01	1.52	0.18	4.47	5.13	10.00	10.15	0.00	816.85	813.86	813.60	1.89													
STO 2-4	STO 2-3	1910	665	1370	0.09	0.69	100	7.21	0.45	338	94.16	12.00	0.40%	0.012	0.04	0.38	0.37	2.80	2.44	10.32	10.88	0.00	816.45	813.88	813.50	1.47													
STO 2-3	STO 2-2	0	7495	2815	0.24	0.75	100	7.08	1.25	249	1117	126.46	18.00	0.20%	0.012	0.06	0.25	0.54	2.96	5.09	10.88	11.59	0.00	816.50	813.50	813.25	2.35												
STO 2-2	FES 2-1	0	3045	545	0.08	0.84	100	6.92	0.48	354	1591	125.26	18.00	0.20%	0.012	0.12	0.25	0.72	3.20	5.09	11.29	12.24	0.00	817.25	813.50	813.00	2.35												
STO 2-7	STO 2-6	3120	100	290	0.08	0.89	100	7.29	0.52	0.52	234	41.00	12.00	0.62%	0.012	0.01	0.25	0.86	4.41	3.04	10.00	10.15	0.00	816.85	813.86	813.60	1.89												
STO 2-6	STO 2-2	0	100	490	0.01	0.33	100	7.25	0.03	0.55	249	64.00	12.00	0.55%	0.012	0.01	0.35	0.32	3.12	2.86	10.15	10.50	0.00	816.85	813.60	813.25	2.15												
STO 2-8	STO 2-2	0	100	260	0.01	0.41	100	7.29	0.02	0.02	11	36.30	12.00	0.20%	0.012	0.00	0.07	0.10	1.18	1.73	10.00	10.51	0.00	815.40	813.32	813.25	0.98												
STO 2-9	STO 2-3	2910	100	260	0.08	0.89	100	7.29	0.49	0.49	219	34.00	8.00	1.04%	0.012	0.05	0.35	0.55	3.95	1.33	10.00	10.14	0.00	817.35	813.86	813.50	2.76												

Anti-Seep Collar Design

Project: MUKWONAGO CBRF
Project Location: MUKWONAGO, WI
JSD Project #: 19-9231

Performed By: IRN

Date: 10/24/2019

MADISON REGIONAL OFFICE
161 Horizon Drive, Suite 101
Verona, Wisconsin 53593
Ph: (608) 848-5060 Fax: (608) 848-2255

MILWAUKEE REGIONAL OFFICE
W238 N1610 Busse Rd., Ste 100
Waukesha, Wisconsin 53188
Ph: (262) 513-0666 Fax: (262) 513-1232

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

SOUTH BIORETENTION

Discharge Pipe Diameter = 0.67 ft
Discharge Pipe Slope = 0.0041 ft/ft
100yr Pond Water Surface Elev. = 814.95
Pond Discharge Pipe Elev. = 811.00
Embankment Side Slope (H:1) = 3.00

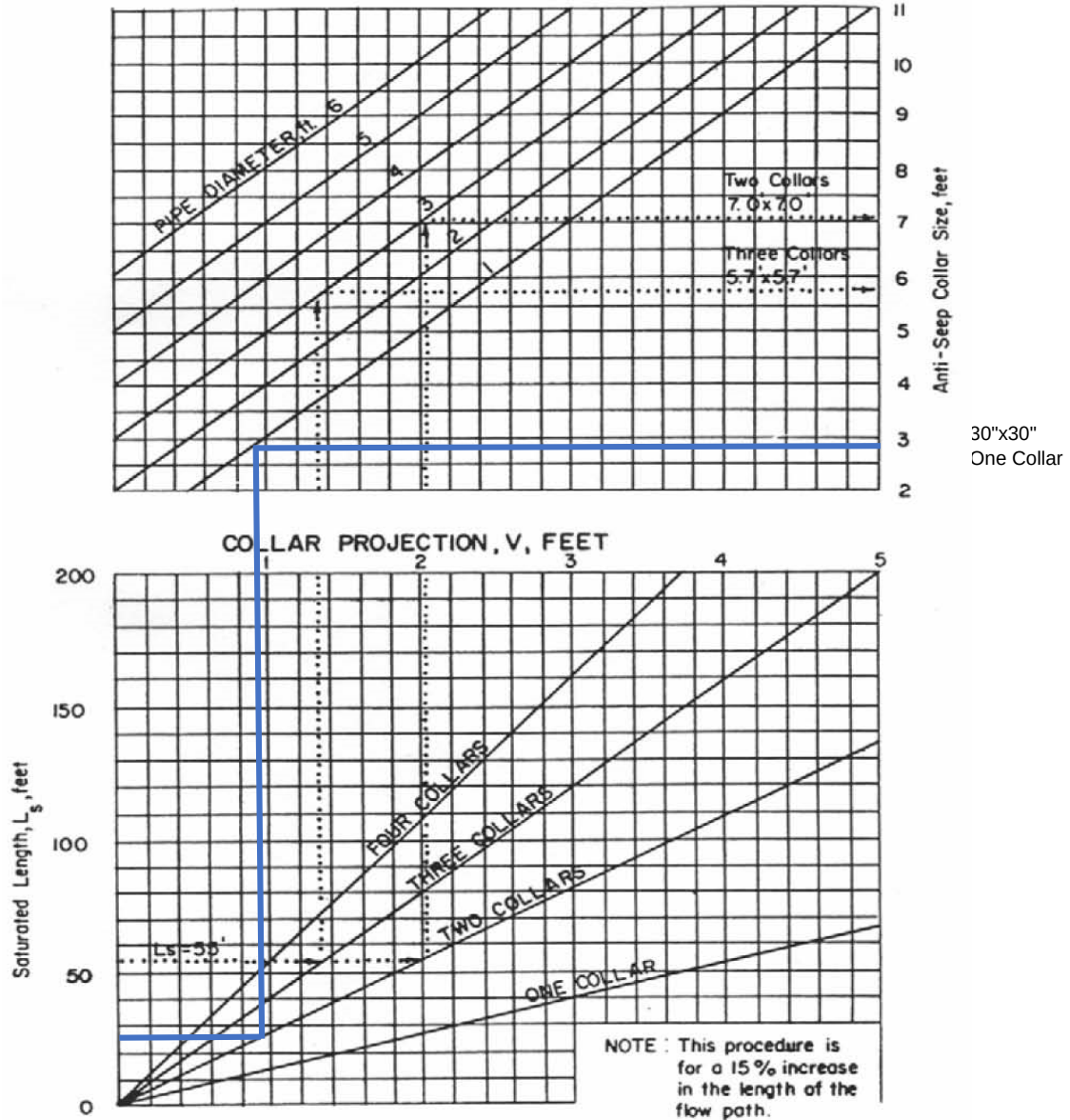
Notes:

L_s - Length of Discharge Pipe in Saturated Zone
 y - Headwater Acting on Discharge Pipe
 z - Embankment Side Slope

$$L_s = y(z + 4) \left[1 + \frac{\text{PipeSlope}}{0.25 - \text{PipeSlope}} \right]$$

$$L_s = (814.95 - 811.00) (3.00 + 4) \left[1 + \frac{0.0041}{(0.25 - 0.0410)} \right] \quad L_s = 28.11 \text{ ft}$$

Figure 5A.31(2)
Anti-Seep Collar Design Charts (USDA - NRCS)



APPENDIX 7

Operation and Maintenance Plan



Birchrock Castle Addition
Storm Water Maintenance Agreement
Village of Mukwonago, County of Waukesha, WI

_____, 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 2020 - 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:
David Roberts, P.E.
JSD Professional Services, Inc.
Milwaukee Regional Office
W238 N1610 Busse Road, Suite 100
Waukesha, WI 53188
Telephone: 262-513-0666
Email: david.roberts@jsdinc.com

Exhibit A – Legal Description

The following description and reduced copy map identifies the land parcel(s) affected by this Agreement. For a larger scale view of the referenced document, contact the Waukesha County Register of Deeds office.

Project Identifier: Mukwonago CBRF building

Date of Recording: 11/6/95

Map Produced By: Gary Schaefer

Legal Description: Lot 2 of Certified Survey Map No. 7901, recorded on December 22, 1995 in Volume 68 of Certified Survey Maps on Pages 140 to 146, as Document No. 2089198, being a redivision of Outlet 1, Mukwonago Estates East, being a resubdivision of Lots 43 and 44, 56 to 61 inclusive, 78 to 82 inclusive, 103 and 104, 157 to 200 inclusive, Outlet 1, Part of outlet 2, and all of Outlots 3, 4, 7 and 8 in "Mukwonago Estates", being a subdivision of part of the Northwest 1/4 of the Southeast 1/4 of Section 35, Township 5 North, Range 18 East, in the Village of Mukwonago, County of Waukesha, State of Wisconsin.

Exhibit B - Location Map
Storm Water Management Practices Covered by this Agreement

The storm water management practices covered by this Agreement are depicted in the reduced copy of the construction plans, as shown below. The practices include the **Biofiltration Basin, filter strip, catch basins and storm sewer system.**

All of the noted storm water management practices are located in Lot 2 of CSM 7901, as noted in Exhibit A.

Subdivision Name: N/A

Storm water Practices: **Biofiltration Basin, Filter Strip, Catch Basin and Storm Sewer System**

Location of Practices: **The Biofiltration Basin is located in the SW corner of site, the catch basin and storm sewer are located within the parking lot and landscape areas in front of the building and the filter strip is between the back of the building and the wetland.**

Owners: Castle Senior Living

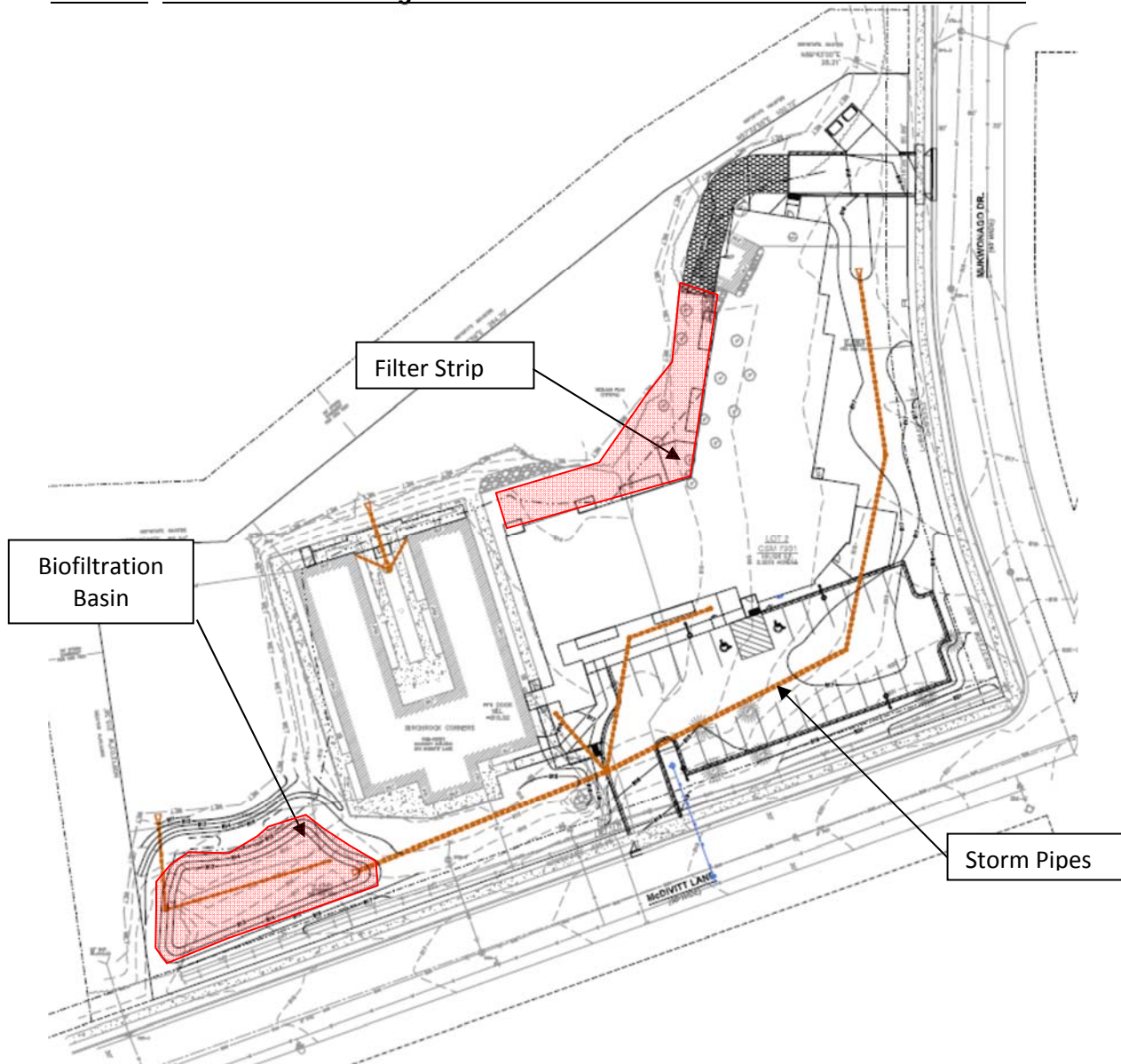


Exhibit C Maintenance Plan

This exhibit explains the basic function of each of the storm water practices listed in Exhibit B and prescribes the maintenance requirements to remain compliant with this Agreement. The maintenance activities listed below are aimed to ensure these practices continue serving their intended functions in perpetuity. The list of activities is not all inclusive, but rather indicates the minimum type of maintenance that can be expected for this particular site. Access to the storm water practices for maintenance vehicles is shown in Exhibit B. Any failure of a storm water practice that is caused by a lack of maintenance will subject the Responsible Party to enforcement of the provisions of this Agreement by the Village of Mukwonago.

BIOFILTRATION BASIN OPERATIONS AND MAINTENANCE

I. ROUTINE MAINTENANCE

A. Inspection

1. Performance of the bioretention should be inspected monthly and after every major storm event, following the initial construction to evaluate if the basin is draining within the design time limits.
 - a. Water plants should be watered as necessary the first year to establish plants.
2. If performance does not meet the design goals, complete repairs to the facility to meet the design requirements.
3. Following the initial year of monthly inspections, quarterly inspections of the facility should be made. Inspect the facility for:
 - a. Differential settlement
 - b. Cracking
 - c. Erosion
 - d. Leakage
 - e. Tree and woody plant growth on the embankments and plant health
 - f. Condition of the inlets and outlets and level spreaders
 - g. Sediment accumulation
 - h. Vigor and density of vegetation on the floor of the basin and buffer strips
 - i. pH testing of the soil
 - j. Observation wells and/or under drains

B. Mowing – Native Vegetation

1. During establishment of vegetation, the first mowing shall occur once it reaches a height of 10 to 12 inches.
2. Control woody plant invasion by mowing once a year. The vegetation height shall be 5 to 6 inches after mowing.
3. Mow once per year in the fall after November 1st.
4. Remove trash and debris at the time of mowing.

C. Erosion Control

1. Inspect quarterly for erosion. Inspection after major storm events for erosion problems is also recommended if practical
2. Repair all eroded areas immediately. Temporary erosion controls may be necessary to facilitate repairs.

- D. Tilling
 - 1. If the basin is located on marginally permeable soils, annual or semi- annual tilling may be needed to maintain infiltration capacity.
 - 2. Tilled areas should be immediately re-vegetated to prevent erosion.
- E. Pre-Treatment Systems
 - 1. Maintenance of the pre-treatment system should include sediment removal, oil and grease skimming, and grass filter strip maintenance.
 - 2. Inspect the structural elements of the pre-treatment system and repair if needed.
- F. Mulch
 - 1. Re-mulch void areas as needed.
 - 2. Add additional mulch once per year.

II. NON-ROUTINE MAINTENANCE

- A. Structural Maintenance
 - 1. Inspect pipe systems quarterly.
 - 2. Remove and replace pipe systems that have eroded or rusted.
 - 3. Earthen structures should be inspected annually. Erosion should be repaired immediately upon discovery.
- B. Restoration of Infiltration Capacity
 - 1. Over time the original infiltration capacity of the basin will be diminished.
 - 2. Deep tilling can be done to restore the infiltration capacity of the basin. The basin will be drained and the soils dried to a depth of 8 inches.
 - 3. The top 2 to 3 inches of topsoil, chisel plowing, and adding topsoil and compost can be done.
 - 4. The basin must be restored with native plantings.
- C. Watering
 - 1. Water plants need to be watered as necessary during the first growing season.
 - 2. After the first growing season, water as necessary during dry periods.

STORM SEWER SYSTEM OPERATIONS AND MAINTENANCE

I. INSPECTION

- A. Frequency
 - a. Inspect catch basins, inlets and manholes at least once per year.
 - b. Inspect storm sewer end sections at least twice per year and after major rainfall events.
- B. Inspection
 - a. Catch Basins, Inlets and Manholes
 - i. Inspect for sediment deposition in the bottom of structures.
 - ii. Check frames and lids for cracks and wear such as rocking lids

- or lids moved by traffic and for shifted frames.
 - iii. Check chimneys for cracked mortar, cracked lift rings and spalling.
 - iv. Check for leaks at joints.
 - v. Check surrounding areas for pollutants such as leaks from dumpsters, minor spills and oil dumping.
 - b. Storm Sewer End sections
 - i. Observe for obstructions, accumulation of sediment and trash, undermining and joint separation.
 - ii. Inspect end treatment for settlement, scour and displaced armoring.
- II. STANDARD MAINTENANCE
- A. Catch Basins, Inlets and Manholes
 - a. Repair any deterioration threatening structural integrity immediately.
 - b. Replace worn or cracked frames and lids. Frames that have shifted should be re-centered and re-set on the structure.
 - c. Repair any spalled or cracked mortar. Cracked rings should be repaired or replaced.
 - d. Repair leaking joints.
 - e. Clean manhole and storm inlet inverts of deposited material. Catch basins should be cleaned before the sump is 40 percent full or every 2-years, whichever comes first.
 - f. Remove potential sources of contamination away from catch basins, inlets and manholes.
 - B. Storm Sewer End sections
 - a. End sections should be free flowing; trash, debris and obstructions should be removed to prevent backups.
 - b. End sections which have separated from the storm sewer pipe shall be reset on firm bedding and reconnected to the existing storm sewer pipe. Restrain joints if necessary.
 - c. Scour areas shall be repaired immediately. Replace missing soil with clean fill and replace/install end treatment. Missing armoring will require additional stone, typically one class larger.
 - d. Excessive material deposited at the storm sewer outfall is indicative of: a disturbed area upstream draining to the system or a potential failure of a system component. Disturbed areas draining to the system should be stabilized immediately or diverted to drain to a BMP. Potential system failures require non-standard maintenance.
- III. NON-STANDARD MAINTENANCE
- A. Non-standard maintenance includes inspection, repair or replacement of buried structures.
 - a. Televising of buried structures (pipes) should occur when excessive material is found within the system or at an outfall with no apparent source area visible at the surface, or the system experiences frequent backups.
 - b. Follow the recommendations for the repair and/or replacement of system components televised by a firm specializing in this work.

FILTER STRIP

OPERATIONS AND MAINTENANCE

- I. ROUTINE MAINTENANCE
 - A. Inspection
 - 1. Vegetative buffers shall at a minimum be inspected weekly and

within 24 hours after every precipitation event that produces 0.5 inches of rain or more during a 24-hour period.

2. Vegetative buffers shall be inspected for proper distribution of flows, sediment accumulation and signs of rill formation.

B. Mowing

1. A stand of dense vegetation shall be maintained to a height of 3 – 12 inches.

C. Erosion Control

1. If the vegetative buffer becomes silt covered, contains rills, or is otherwise rendered ineffective, other perimeter sediment control measures shall be installed. Eroded areas shall be repaired and stabilized.
2. Repairs shall be completed as soon as possible with consideration to site conditions.

Exhibit D – Design Summary

The proposed development is 15,7770 sq.ft building expansion with a new parking lot. The proposed development has been designed to capture the storm water drainage from the parking lot and for the south half of the roof and routed to a bio-retention basin. Below is a summary of the release rates and water quality.

Site Release Rate Summary

The Table below summarizes the storm water release rates associated with the development.

	Existing Release Rate (cfs)	Proposed Release Rate (cfs)
1-year	0.63	0.61
2-year	0.96	0.77
10-year	2.46	1.42
100-year	6.44	3.57

* Note: Total peak runoff rates are based on the addition of the peak discharge rates from the associated hydrographs at the peak time for the site; due to varying peak times, the total discharge rates are not a direct summation of the peak rates for each. Refer to the attached watershed summary for additional information.

Water Quality Summary

The Table below summarizes the water quality associated with the development.

	Pollutant Yield Without Controls (lbs)	Pollutant Yield After Controls (lbs)	Percent Reduction
Particulate Solids	296.3	70.75	76.12%
Particulate Phosphorus	0.7862	0.1933	75.41%

Exhibit D Watershed Summary

Project Name: Birchrock Castle Addition
Watershed (ultimate discharge): Upper Fox River - Illinois
REVISION: 02-04-2020

Project Size: 1.30 acres
Watershed Area (including off-site runoff traveling through project area): 1.3 acres

Summary Data Elements	Pre-developed	Post-development							
	Subwatershed A to existing SW local depression	Subwatershed 1S to Bio-Basin	Subwatershed 2S Undetained NE	Subwatershed 3S Undetained S	Subwatershed 4S Undetained NW	Subwatershed (1S) w/o BMPs	Total Site Subwatershed (1+2+3+4) w/o BMPs	Subwatershed (1S) with BMPs	Total Site Subwatershed (1+2+3+4) with BMPs
Watershed Areas	1.300 acres	1.065 acres	0.183 acres	0.036 acres	0.016 acres	1.065 acres	1.300 acres	1.065 acres	1.300 acres
Average Watershed Slopes	7 – 19%	1 – 2%	1 – 3%	0.8 – 2.3%	1-2%	0.5 – 33%	0.5 – 33%	0.5 – 33%	0.5 – 33%
Land Uses (% of each)	0.235 acres – Impervious (18%)	0.362 acres – Building (34%)			0.011 acres – Building (69%)	0.362 acres – Building (16%)	0.34 acres – Building (10%)	0.34 acres – Building (16%)	0.34 acres – Building (10%)
	0.010 acres – Gravel (1%)	0.305 acres – Impervious (29%)	0.016 acres – Impervious (9%)	0.012 acres – Impervious (33%)	0.003 acres – Impervious (19%)	1.04 acres – Pavement (47%)	1.29 acres – Pavement (37%)	1.04 acres – Pavement (47%)	1.29 acres – Pavement (37%)
	1.055 acres – Grass (81%)	0.398 acres – Grass (37%)	0.168 acres – Grass (91%)	0.024 acres – Grass (67%)	0.002 acres – Grass (12%)	0.80 acres – Grass (37%)	1.89 acres – Grass (53%)	0.80 acres – Grass (37%)	1.89 acres – Grass (53%)
Runoff Curve Numbers	Impervious = 98	Building = 98			Building = 98	Building = 98	Building = 98	Building = 98	Building = 98
	Gravel=96	Impervious = 98	Pavement = 98	Pavement = 98	Pavement = 98	Pavement = 98	Pavement = 98	Pavement = 98	Pavement = 98
	Grass = 61	Grass = 61	Grass = 61	Grass = 61	Grass = 61	Grass = 61	Grass = 61	Grass = 61	Grass = 61
	Composite = 68	Composite = 84	Composite = 64	Composite = 73	Composite = 93	Composite = 84	Composite = 81	Composite = 84	Composite = 81
Conveyance Systems Types	Overland flow	Overland flow, storm sewer	Overland low	Overland low	Overland low	Overland flow, infiltration, storm sewer	Overland flow, infiltration, storm sewer	Overland flow, infiltration, storm sewer	Overland flow, infiltration, storm sewer
Summary of Average Conveyance System Data	Slope = 2 – 13%	Slope = 1.0 – 2%	Slope = 1.0 – 3% 4" PVC @ slope = 10.8%	Slope = 0.8 – 2.3% 8" PVC @ slope = 2.08%	Slope = 1.0 – 2%	Slope = 1.0 – 2%	Slope = 1.0 – 3%; 4" PVC @ 10.8%	Slope = 0.8 – 2.3%; 8" PVC @ 2.08%	Slope = 5 – 25%
Time of Concentration (Tc)	6 minutes	6 minutes	6 minutes	6 minutes	6 minutes	6 minutes	6 minutes	6 minutes	6 minutes
Peak Flow: 1-yr.	0.63 cfs	1.51 cfs	0.47 cfs	0.03 cfs	0.05 cfs	1.51cfs	2.05 cfs	0.11 cfs	0.61 cfs
Peak Flow: 2-yr	0.96 cfs	1.87 cfs	0.60 cfs	0.04 cfs	0.06 fs	1.87 cfs	2.57 cfs	0.13 cfs	0.77 cfs
Peak Flow: 10-yr.	2.46 cfs	3.32 cfs	1.11 cfs	0.09 cfs	0.08cfs	3.32 cfs	4.59 cfs	0.60 cfs	1.42 cfs
Peak Flow: 100-yr.	6.44 cfs	6.58 cfs	2.28 cfs	0.21 cfs	0.14 cfs	6.58 cfs	9.21 cfs	1.52 cfs	3.57 cfs

Exhibit D
Data Summary Sheet for Bio-Basin

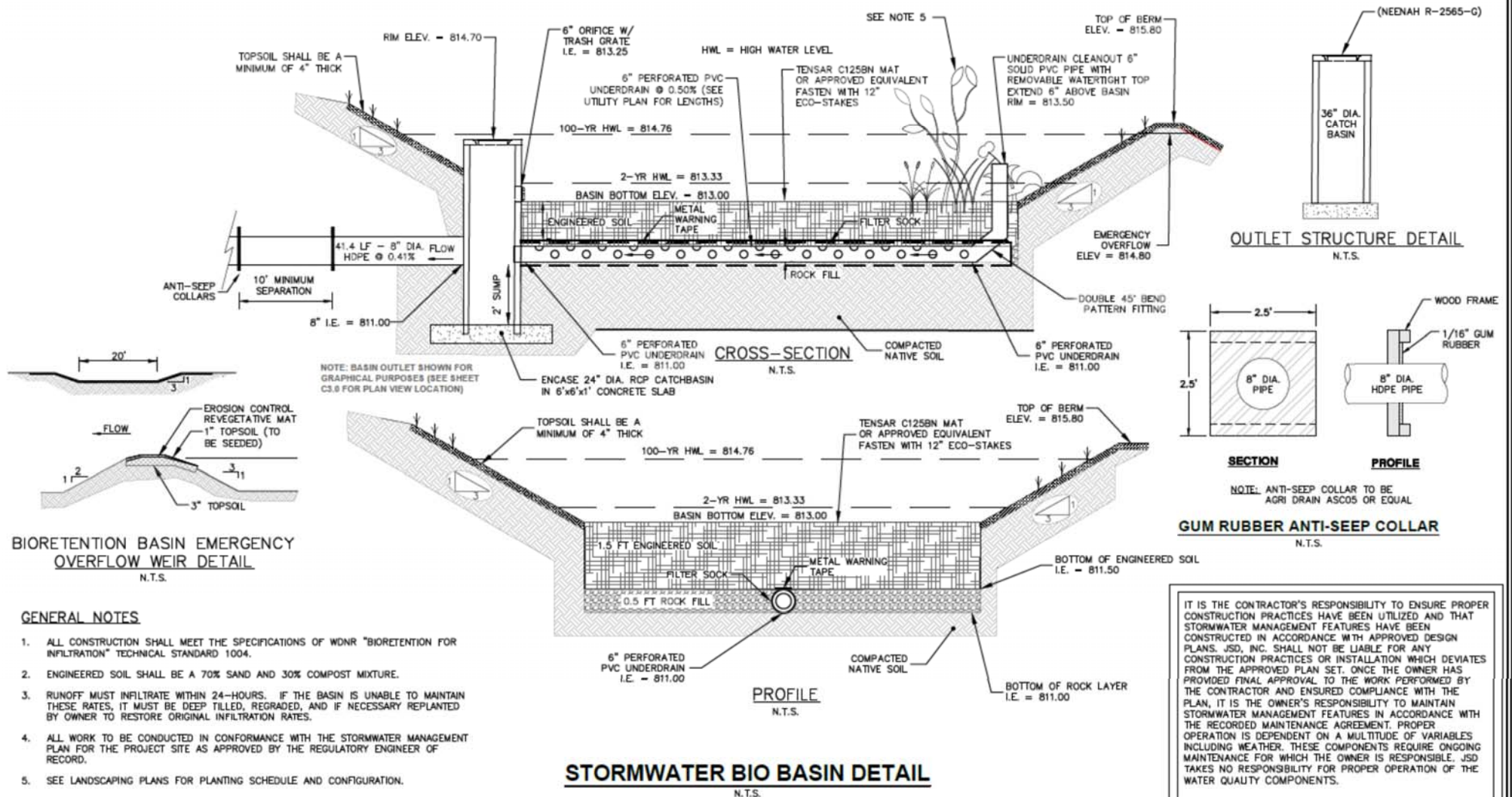
Design Element	Design Data
Site assessment data: (see attached maps)	
Contributing drainage area to basin (Subcatchment 1S)	1.065 acres
Distance to nearest private well (including off-site wells)	>100 feet
Distance to municipal well (including off-site wells)	>1200 feet
Wellhead protection area involved?	No
Ground slope at site of proposed basin	Approx. = 9.0-11.0%
Any buried or overhead utilities in the area?	No
Proposed outfall conveyance system/discharge (w/distances)	41' – 8" HDPE to Wetland
Any downstream roads or other structures? (describe)	No
Floodplain, shoreland or wetlands?	Existing wetland complex to the North
Soil investigation data (see attached map & soil logs):	
Number of soil investigations completed	0
Do elevations of test holes extend 3 ft. below proposed bottom?	N/A
Average soil texture at basin bottom elevation (USDA)	Compacted native soil
Design infiltration rate at basin bottom and method of analysis	0.15 – Based on infiltration rate for Soil type
Measured infiltration rate following construction	-
Distance from basin bottom to bedrock	10+ feet
Distance from basin bottom to seasonal water table	-
General basin design data (see attached detailed drawings):	
Basin bottom surface area	0.053 acre
Effective infiltration area	0.053 acre
2% of development area (1.3 acres)	0.026 acre
Basin bottom elevation	813.00
Top of berm elevation (after settling) and width	815.80 / 6 ft. minimum
Basin storage below outlet	0
10% of 2-yr 24-hr post development runoff volume	0.0066 ac-ft
Time to completely infiltrate stored water through engineered fill.	26 hours (100 yr storm event)
Sediment forebay size & depth	N/A – no forebay for bio basin
Sediment storage depth & design maintenance	N/A – no permanent pool depth

Design Basin Inflow, Outflow & Storage Data (see attached hydrographs and detail drawings)				
Inflow Peak	Maximum Outflow Rate	Max. Water Elevation	Storage Volume at Max. Elev.	Outflow Control Structures*
1.51 cfs (Post 1-yr./24 hr. peak)	0.11 cfs	813.13	1,619 c.f.	#3 and #5
1.87 cfs (Post 2-yr./24 hr. peak)	0.13 cfs	813.33	2,089 c.f.	#3 and #5
3.32 cfs (Post 10-yr./24 hr. peak)	0.60 cfs	813.75	3,230 c.f.	#3 and #5
6.58 cfs (Post 100-yr./24 hr. peak)	1.52 cfs	814.76	6,462 c.f.	#3, #5 and #6

* The controlling elements are summarized below (See attached detail drawing of Biofiltration Basin):

- #3 = Underdrain
- #5 = 6" Orifice @ elev. 813.25
- #6 = 24" Grate @ elev. 814.70

Biofiltration Detail



January 3, 2020

Fred Winchowky, Plan Commission Chair,
Plan Commissioners

Re: Birchrock Retirement Home Planned Unit Development Amendment as Conditional Use and associated
Site Plan and Architectural Review
210 McDivitt Lane; MUKV2012215002

Dear President Winchowky and Members of the Village Plan Commission:

This item was before the Plan Commission at the December 17, 2020, Plan Commission meeting and the Plan Commission decided to continue the public hearing to the February 11, 2020 Plan Commission meeting so the issue of the proposed structure addition, dumpster enclosure and parking surface area proposed to be within 20 feet of the wetland setback could be heard by the Board of Zoning Appeals (BZA) at the January 30, 2020 meeting. During the January 30, 2020 meeting, the BZA approved the setback requests to the distances shown on the December 12, 2019 Plan Set.

Kristofer Kiefer, of Castle Senior Living, has applied for a Planned Unit Development (PUD) Amendment as a Conditional Use and associated Site Plan and Architectural Review to place a single story 20 unit Residential Care Apartment Complex (RCAC) designed to house those which require an assisted living environment. The proposed location is to the East of the existing structure and existing parking lot. The structure is designed to be connected via a walkway to the existing structure, which would meet Fire Department and Building Code standards.

The property is 2.3 acres in size. The site is zoned R-10, Multiple Family Residence District, with current Planned Unit Development (PUD) Overlay. This district allows applicants to propose some minor modifications with respect to the bulk requirements of zoning standards, including, but not limited to yard setbacks, lot coverage, etc. through a PUD amendment process and application. However, the PUD standards do not permit for deviation from Wetland setback standards.

Proposal

This item was considered at the September 10 Plan Commission meeting as a Concept Review process and the item was recommended to be approved.

The site plan, being presented by the applicant, shows the existing parking surface area being removed, and a new parking lot being situated along the southern portion of the property. The new single story structure is being positioned to the East of the existing structure and being connected with a walkway. There is also a proposed new walkway at the terminus and north end of the existing structure, to connect the hallways with a corridor. The property is to be serviced via available water main and sanitary sewer service from the South, in McDivitt Lane. There is also a proposed pervious driveway to provide for fire truck pulling in and capability to be serviced from the East, along with a dumpster enclosure proposed immediately adjacent to said driveway.

Architectural Review

The Zoning standards for R-10 call for brick or other hardy construction materials. The applicant is proposing the use of LP “Smartside” in a gray “Smokey Ash” color along the main façade, with LP Smartside shake in a light grey color along the peaks and top of the façade with brick accents along some of the base of the façade in a light grey color. There is articulation in the façade, as required by the code. The applicant is proposing white aluminum lap siding along the rear of the structure (north side) which is not readily visible from the street. Staff thinks the proposal is satisfactory, however input from the Commission on this aspect is sought.

Ultimately, the Plan Commission may review and render a determination on findings of the proposal.

Zoning Review

Zoning review considered Sections 100-110, R-10 standards; 100-601, Site Plan; 100-402, Parking Lot Requirements; 100-53, Planned Unit Development Requirements; and other applicable Code sections.

Wetland Setback: Staff reviewed the proposed connector on the existing structure, on the West side of the development. This proposed new corridor encroaches within the Village required 20 foot setback requirement of a delineated wetland, as well as the proposed pervious paving surface and dumpster enclosure along the northeast side of the property. Per Village Ordinance, all new structures and/or additions within this area are to be considered by the Village Board of Zoning Appeals. The BZA heard the case during the January 30, 2020 meeting and approved the requests for setback variances. Therefore, the matter is considered completed and staff is recommending approval of setbacks with relation to the wetlands.

Trees: Per Section 34, a tree removal policy must be observed for site clearing and the Village calls out a need to retain up to 60 percent of all trees identified as at least 8 inches in diameter. Staff understands as of the date of this report the applicant is assessing this and is filing a tree removal permit in accordance to the Code requirements.

Impervious Coverage: The amount of area covered by this request, inclusive of additional proposed paving and additional roof area brings the impervious area to the proposed 41,790 s.f., as stated on the plans, which is 41% of the site. However, this number includes the wetlands area and Staff has requested the applicant demonstrate that this number takes into account the Village required inclusion of wetland areas of a rate of 50%. The applicant is requesting the impervious coverage be allowed to be increased to the proposed 51% of the coverage, to provide for the necessary parking lot and building footprints for the facility. The Code permits the request may be called out as a PUD amendment and the applicant is seeking from the Plan Commission an allowance up to 51% of the site to be impervious, to accommodate the parking requirements and proposed building footprint. This is reflected in item number four (4.) below.

Stormwater Management: The proposed stormwater management plan is satisfactory, pending final comments documents requested by the Village Engineer in a letter dated January 6, 2020 and resubmitted for final review and approval. These comments are minor and as of the writing of this staff summary, should be easily corrected by the applicant’s engineer prior to any Village permit issuance and possibly prior to the February 11, 2020 Plan Commission meeting. The site is able to meet the Village’s Ordinance, and Should the Planning Commission and Village Board choose to approve the documents, staff recommends that approvals be made subject to addressing items from the Village Engineer comment letter Dated January 6, 2020. Staff understands the applicants were waiting on the final decision of the Board of Appeals determination on January 30, prior to making any corrections.

Lighting: Applicant has supplied light fixture proposal which are capable of meeting all requirements pertaining to shielding from adjacent property owners and onto the Village streets. Staff finds the fixtures acceptable.

Landscaping: The resulting 27 parking stalls requires 15 s.f. per stall, or 405 s.f. of landscaping to be proposed within the parking surface area. There is 180 s.f. plus an additional 550 s.f. of landscaping proposed between the structure and the parking surface area. Pursuant to the guidelines in section 100-402(f)6., the proposed landscaping is acceptable.

Parking Lot: Staff finds the proposed parking is compliant with standards requiring one space for every three beds plus one space for each employee. There are 40 beds and 27 spaces provided. This equates to 14 spaces required for the occupants and 11 spaces for employees. Staff finds the stalls provided meet the code requirements. Staff also has confirmed the applicant has provided for a cross hatch area by the front entrance that would permit for a three point turn for a typical Village ambulance response call. There is a pervious paving along the northern edge of the property, in the form of an additional curb cut, which shall provide for a fire truck to pull in to provide for full response to the sides of the structures. This area is recommended by staff to be snow plowed in the winter months and manicured to the point of being usable year round.

The proposed new dumpster enclosure will need to meet Zoning design standards, which shall include utilizing block walls as this would match the proposed building façade (Village Code requirement). The current plans show a dumpster fenced in area, but lacks any detail. Staff will require this to be submitted and approved prior to building permit issuance.

There is a need to supply more detailed utility and stormwater and erosion control plans, to be reviewed and approved by the Village Engineer and Utilities offices prior to start of construction.

Recommendation for PUD Amendment as Conditional Use and Associated Site Plan and Architectural Review

Staff is recommending approval with the conditions listed below. The site plan conforms to R-10 setbacks and parking requirements with the following specified modifications to the R-10 zoning district and parking lot setback standards:

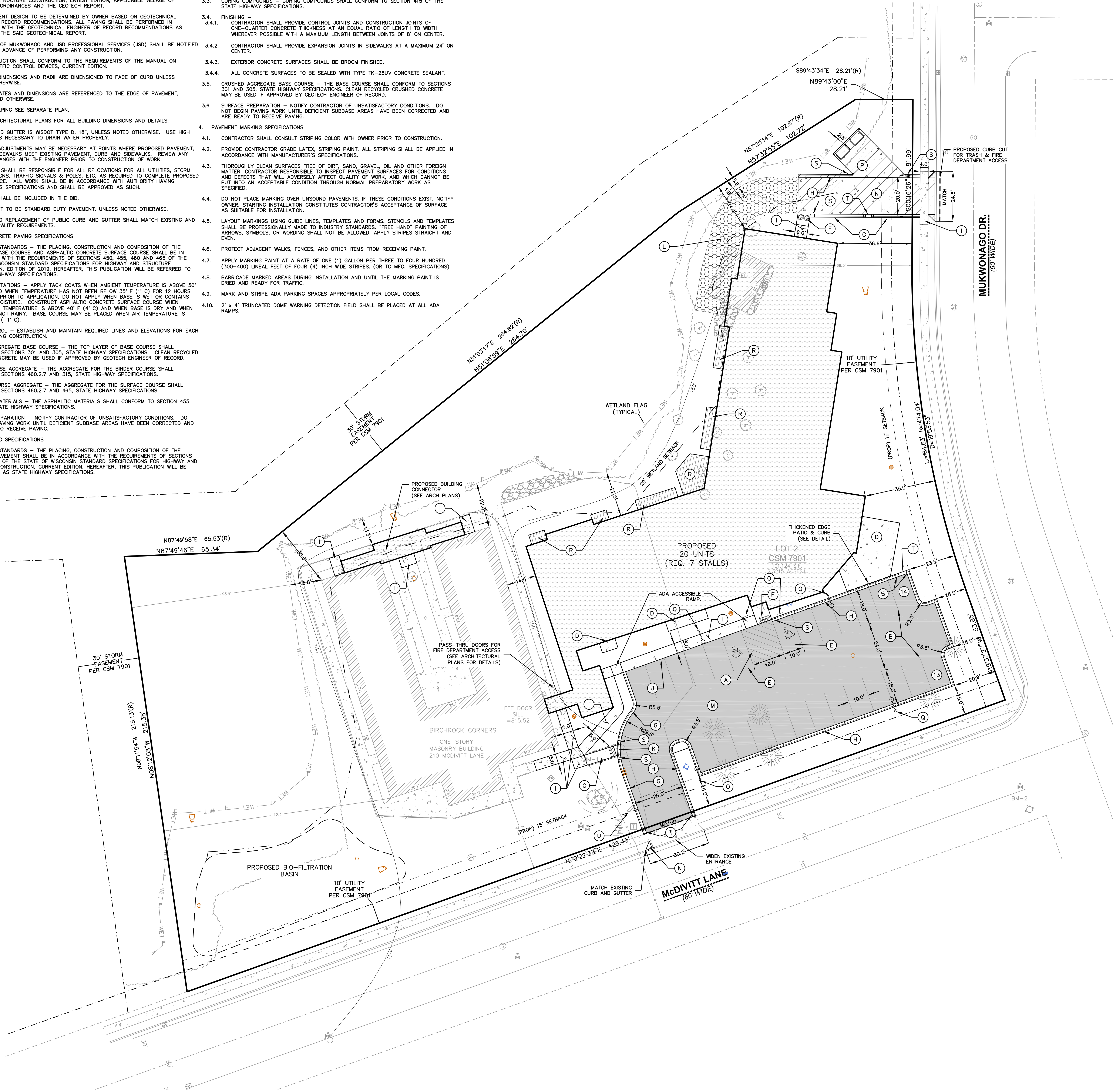
1. For the R-10 Zoning standards, the rear yard building setback shall be permitted to be amended from the required 40 feet to the shown 24.4 feet, on the provided plan set from the applicant and on file with the Zoning Administrator at Village Hall.
2. For the Parking Lot standards, the setback of the edge of parking surface area shall be permitted to be amended from the required 20 feet to the shown 15 feet with landscaping between the surface and the roadway, as shown on the provided plan set from the applicant and on file with the Zoning Administrator at Village Hall.
3. For the impervious coverage standards, the total amount of impervious coverage shall be permitted to be amended from the required 40% to the proposed percentage of 51%, as calculated and shown on the plans submitted by the applicants dated December 12, 2019 to accommodate the desire for parking on the site.
4. Site Plan and Architectural Review approval for the new single story 20 unit RCAC structure and associated parking lot, building additions, storm water pond, shall be subject to all plans and information submitted for the application by the applicant, Castle Senior Living, and dated December 12, 2019, with all plans and information on file in the office of the Zoning Administrator. The plans may be further modified to conform to other conditions of approval; the building and floor plans may be modified with the approval of the Zoning Administrator and Supervisor of Inspections to conform to Building and Fire Safety Codes

and all plans may be further modified to conform to Village design standards. However, the basic layout and design of the site shall remain unchanged.

5. Approval shall be valid for one (1) year from date of approval by the Village Board and will be unique to the applicant and this proposal only.
6. Prior to the start of any site construction or issuance of a building permit, whichever occurs first, the following shall occur:
 - a. All final site development plans shall be consistent with the plans noted in Condition No. 5 and all calculations verified or as modified.
 - b. Approval of the site construction and building plans by the Fire Chief, which may include, but are not limited to, Knox box and notification requirements, internal fire suppression, external fire department connection location and hydrant locations.
 - c. Approval of building plans by the Building Inspector after receipt of approval of building plans by the State of Wisconsin.
 - d. The Village Engineer, the Utilities Director and the Public Works Director shall approve all updated and revised site engineering and utility plans and documents, including a complete Erosion Control Plan, and Stormwater Management Plan. Items specified in the letter from the Village Engineer dated January 6, 2020 shall be satisfied with the consent of the Village Engineer prior to permit issuance.
 - e. The Village Board shall approve a Stormwater Maintenance Agreement.
 - f. Approval of building plans shall include appropriate locations of the external mechanical equipment (if applicable) to be placed hidden from view from neighboring properties, as approved by the Zoning Administrator.
 - g. Approval of dumpster construction plan specifications showing block construction and shielded metal gates to ensure the Zoning standards are met, as approved by the Zoning Administrator.
 - h. A pre-construction meeting shall occur with Village Staff to ensure all applicable items mentioned above have been remedied.
7. Prior to temporary occupancy issuance, and if needed prior to final occupancy permit, the following shall occur:
 - a. Completion of all site grading in accordance with submitted and approved plans.
 - b. Completion of the storm water management basin for the overall development.
 - c. Completion of the building and additions in accordance with approved plans and all applicable codes.
 - d. Completion of paving of driveways and parking lots, including parking signage, space pavement markings and all other pavement markings.
8. Prior to final occupancy permit, which shall be issued no later than 120 days after any temporary occupancy permit, the following shall occur:
 - a. Completion of all items required in Condition No. 7.
 - b. Installation of all Zoning Administrator approved site landscaping as shown on approved plans.

PAVING NOTES

- GENERAL
 - ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION, APPLICABLE VILLAGE OF MUKWONAGO ORDINANCES AND THE GEOTECH REPORT.
 - FINAL PAVEMENT DESIGN TO BE DETERMINED BY OWNER BASED ON GEOTECHNICAL ENGINEER OF RECORD RECOMMENDATIONS. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER OF RECORD RECOMMENDATIONS AS SPECIFIED IN THE SAID GEOTECHNICAL REPORT.
 - THE VILLAGE OF MUKWONAGO AND JSD PROFESSIONAL SERVICES (JSD) SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION.
 - SIGN CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
 - ALL PAVING DIMENSIONS AND RADII ARE DIMENSIONED TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
 - ALL COORDINATES AND DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
 - FOR LANDSCAPING SEE SEPARATE PLAN.
 - REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING DIMENSIONS AND DETAILS.
 - ALL CURB AND GUTTER IS WSDOT TYPE D, 18", UNLESS NOTED OTHERWISE. USE HIGH SIDE CURB AS NECESSARY TO DRAIN WATER PROPERLY.
 - SOME FIELD ADJUSTMENTS MAY BE NECESSARY AT POINTS WHERE PROPOSED PAVEMENT, CURB AND SIDEWALKS MEET EXISTING PAVEMENT, CURB AND SIDEWALKS. REVIEW ANY REQUIRED CHANGES WITH THE ENGINEER PRIOR TO CONSTRUCTION OF WORK.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS FOR ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED TO COMPLETE PROPOSED ITEMS IN PLACE. ALL WORK SHALL BE IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION'S SPECIFICATIONS AND SHALL BE APPROVED AS SUCH.
 - ALL COSTS SHALL BE INCLUDED IN THE BID.
 - ALL PAVEMENT TO BE STANDARD DUTY PAVEMENT, UNLESS NOTED OTHERWISE.
 - ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.
- ASPHALTIC CONCRETE PAVING SPECIFICATIONS
 - CODES AND STANDARDS - THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, EDITION OF 2015. HEREINAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
 - WEATHER LIMITATIONS - APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C).
 - GRADE CONTROL - ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
 - CRUSHED AGGREGATE BASE COURSE - THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS. CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
 - BINDER COURSE AGGREGATE - THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 315, STATE HIGHWAY SPECIFICATIONS.
 - SURFACE COURSE AGGREGATE - THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 465, STATE HIGHWAY SPECIFICATIONS.
 - ASPHALTIC MATERIALS - THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.
 - SURFACE PREPARATION - NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
- CONCRETE PAVING SPECIFICATIONS
 - CODES AND STANDARDS - THE PLACING, CONSTRUCTION AND COMPOSITION OF THE CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION, HEREINAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
 - REINFORCEMENT - CONCRETE PAVEMENT SHALL BE REINFORCED WITH NOVOMESH 950 (OR EQUAL) FIBER REINFORCEMENT AT A RATE OF 5 LBS/CUBIC YARD.
 - CURING COMPOUNDS - CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.
 - FINISHING -
 - CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.
 - CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER.
 - EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
 - ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
 - CRUSHED AGGREGATE BASE COURSE - THE BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS. CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
 - SURFACE PREPARATION - NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
- PAVEMENT MARKING SPECIFICATIONS
 - CONTRACTOR SHALL CONSULT STRIPING COLOR WITH OWNER PRIOR TO CONSTRUCTION.
 - PROVIDE CONTRACTOR GRADE LATEX, STRIPING PAINT. ALL STRIPING SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - THOROUGHLY CLEAN SURFACES FREE OF DIRT, SAND, GRAVEL, OIL AND OTHER FOREIGN MATTER. CONTRACTOR RESPONSIBLE TO INSPECT PAVEMENT SURFACES FOR CONDITIONS AND DEFECTS THAT WILL ADVERSELY AFFECT QUALITY OF WORK, AND WHICH CANNOT BE PUT INTO AN ACCEPTABLE CONDITION THROUGH NORMAL PREPARATORY WORK AS SPECIFIED.
 - DO NOT PLACE MARKING OVER UNSOUND PAVEMENTS. IF THESE CONDITIONS EXIST, NOTIFY OWNER. STARTING INSTALLATION CONSTITUTES CONTRACTOR'S ACCEPTANCE OF SURFACE AS SUITABLE FOR INSTALLATION.
 - LAYOUT MARKINGS USING GUIDE LINES, TEMPLATES AND FORMS. STENCILS AND TEMPLATES SHALL BE PROFESSIONALLY MADE TO INDUSTRY STANDARDS. "FREE HAND" PAINTING OF ARROWS, SYMBOLS, OR WORDING SHALL NOT BE ALLOWED. APPLY STRIPES STRAIGHT AND EVEN.
 - PROTECT ADJACENT WALKS, FENCES, AND OTHER ITEMS FROM RECEIVING PAINT.
 - APPLY MARKING PAINT AT A RATE OF ONE (1) GALLON PER THREE TO FOUR HUNDRED (300-400) LINEAL FEET OF FOUR (4) INCH WIDE STRIPES. (OR TO MFG. SPECIFICATIONS)
 - BARRICADE MARKED AREAS DURING INSTALLATION AND UNTIL THE MARKING PAINT IS DRIED AND READY FOR TRAFFIC.
 - MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY PER LOCAL CODES.
 - 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.



SITE LEGEND

- (A) DIAGONAL HATCH - SWS/4" AT 45° @ 2"-0" O.C.
(B) PARKING STALLS - 18'-0" SWS/4" @ 10'-0" O.C.
(C) 5' CONCRETE SIDEWALK WITH RAILING (SEE DETAIL)
(D) CONCRETE PATIOS, REFER TO ARCHITECTURAL PLANS FOR DETAILS
(E) ACCESSIBLE PARKING SPACE, SEE DETAILS FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN" - INDICATES VAN ACCESSIBLE SPACE)
(F) SIDEWALK RAMP W/ DETECTABLE WARNING FIELD (SEE DETAIL)
(G) 18" STANDARD CURB AND GUTTER (SEE DETAIL)
(H) 18" REJECT CURB AND GUTTER (SEE DETAIL)
(I) CONCRETE SIDEWALK (SEE DETAIL)
(J) THICKENED EDGE SIDEWALK (SEE DETAIL)
(K) 18" VALLEY CURB AND GUTTER (SEE DETAIL)
(L) GRASSPAVE 2 (SEE DETAIL)
(M) STANDARD DUTY HMA PAVEMENT (SEE DETAILS)
(N) HEAVY DUTY CONCRETE PAVEMENT (SEE DETAILS)
(O) ADA PARKING SIGN (SEE DETAIL)
(P) TRASH ENCLOSURE, REFER TO ARCHITECTURAL PLANS FOR DETAILS
(Q) LIGHTPOLE
(R) RAISED WOODEN DECK, REFER TO ARCH PLANS FOR DETAILS
(S) 2' CURB TAPER (SEE DETAIL)
(T) CURB WEIR (SEE DETAIL)
(U) EXISTING MONUMENT SIGN TO BE RELOCATED

SITE INFORMATION BLOCK

SITE ADDRESS	210 McDIVITT LN MUKWONAGO, WI 53149
PROPERTY ACREAGE	2.34 ACRES
NUMBER OF BUILDING STORIES	1
BUILDING SQUARE FOOTAGE	
EXISTING	8,055
PROPOSED	16,260
TOTAL	24,315
NUMBER OF PARKING STALLS	
STANDARD	25
ACCESSIBLE	2
TOTAL	27
EXISTING VS. PROPOSED SITE COVERAGE *	
EXISTING IMPERVIOUS SURFACE AREA	32,291 SF (31.7%)
EXISTING PERVIOUS SURFACE AREA	69,812 SF (68.3%)
EXISTING IMPERVIOUS SURFACE AREA RATIO	0.32
PROPOSED IMPERVIOUS SURFACE AREA	52,435 SF (51.4%)
PROPOSED PERVIOUS SURFACE AREA	49,488 SF (48.6%)
PROPOSED IMPERVIOUS SURFACE AREA RATIO	0.51
R-10 ZONING REQUIREMENTS	REQUIRED PROVIDED
BUILDING SETBACK (STREET)	35 FEET 35 FEET
BUILDING SETBACK (SIDE)	15 FEET 9.9 FEET
BUILDING SETBACK (REAR)	40 FEET 24.4 FEET
PARKING LOT SETBACK	20 FEET 15 FEET
MINIMUM GREEN SPACE	40% 59%
MAX BUILDING COVERAGE	40% 24%

* THE WETLAND AREAS ARE SPLIT SO THAT 50% OF THE AREA IS IMPERVIOUS AND 50% IS PERVIOUS FOR EXISTING AND PROPOSED AREA CALCULATIONS.

LEGEND

- PROPERTY LINE
EASEMENT LINE
WETLAND BOUNDARY
BUILDING OUTLINE
PAVEMENT SETBACK LINE
EDGE OF PAVEMENT
STANDARD CURB AND GUTTER
REJECT CURB AND GUTTER
STANDARD DUTY ASPHALT PAVEMENT
HEAVY DUTY ASPHALT PAVEMENT
HEAVY DUTY CONCRETE PAVEMENT
CONCRETE
LIGHT POLE
ADA PARKING SIGN
PROPOSED STORM CATCH BASIN
PROPOSED FLARED END SECTION
PROPOSED HYDRANT



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APPLETON KENOSHA CHICAGO
COEUR D'ALENE

MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:



CLIENT ADDRESS:
210 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:

BIRCHROCK CASTLE
ADDITION

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

PLAN MODIFICATIONS:

#	Date:	Description:
1	12/12/2019	Revised per City Comments
2		
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Design/Drawn: CAR
Approved: DSR
Date: 11/06/2019

SHEET TITLE:
SITE PLAN

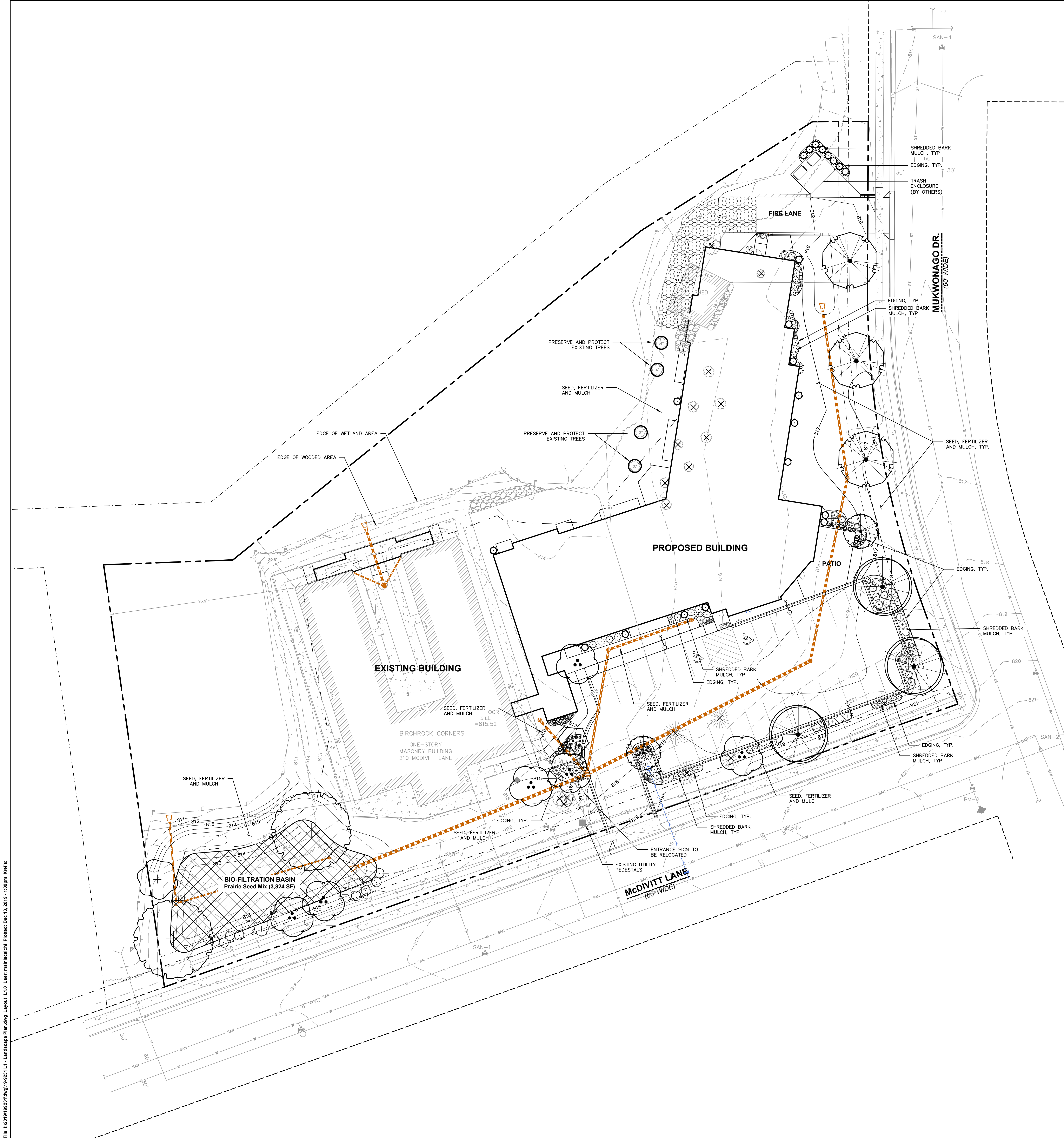
SHEET NUMBER:

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JSD PROJECT NO:

19-0231

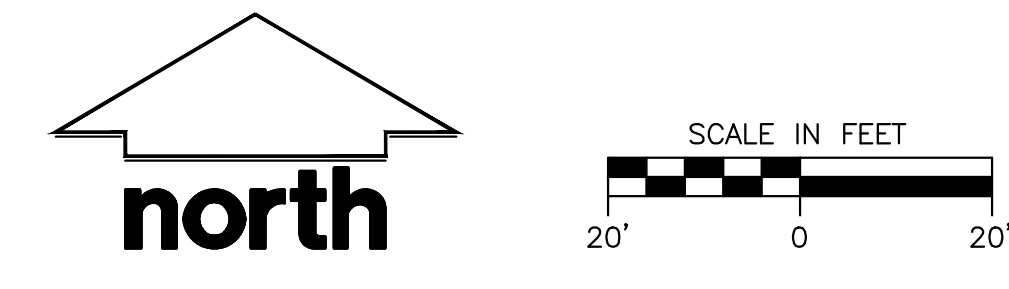
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LEGEND	
	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	BUILDING OUTLINE
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	REJECT CURB AND GUTTER
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	STORMWATER MANAGEMENT AREA
	SANITARY SEWER
	WATERMAIN
	STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	EXISTING STORM SEWER
	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
	ADA PARKING SIGN
	FLAG POLE
	REMOVE EXISTING TREE
	PROTECT EXISTING TREE
	POLYETHYLENE EDGING

- GENERAL NOTES**
- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
 - ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 - JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
 - DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
 - THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR.
 - REFER TO "LANDSCAPE DETAILS, NOTES & SPECIFICATIONS" SHEET FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE PLAN.
 - CONTRACTOR SHALL REVIEW SITE CONDITIONS FOR UTILITY CONFLICTS, DRAINAGE ISSUES, SUBSURFACE ROCK, AND PLANT PLACEMENT CONFLICTS PRIOR TO PLANT INSTALLATION. REPORT ANY CONDITIONS THAT MAY HAVE ADVERSE IMPACT ON PLANTING OPERATIONS TO LANDSCAPE ARCHITECT.
 - DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS AND FINISH GRADING EFFORTS ARE COMPLETE.

PLANT SCHEDULE				
CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT	SIZE
DECIDUOUS TREES				
BW	6	Betula populifolia 'Whitespire' / Whitespire Birch	B & B	1.5" Cal
CV2	1	Crataegus viridis 'Winter King' / 'Winter King' Hawthorn	B & B	1.5" Cal
EVERGREEN TREES				
TE	14	Thuja occidentalis 'Emerald' / Emerald Arborvitae	B & B	Min. 4' Ht.
TH	8	Thuja occidentalis 'Holstrup' / Holstrup Arborvitae	B & B	Min. 4' Ht.
CANOPY TREES				
AG	3	Acer rubrum 'October Glory' TM / October Glory Maple	B & B	2" Cal
GA	3	Ginkgo biloba 'Autumn Gold' TM / Autumn Gold Ginkgo	B & B	2" Cal
OB	2	Quercus bicolor / Swamp White Oak	B & B	2" Cal
ORNAMENTAL TREES				
CN	1	Cercis canadensis 'Minnesota Strain' / Minnesota Strain Redbud	B & B	1.5" Cal
MS	2	Malus x 'Spring Snow' / Spring Snow Crab Apple	B & B	5' Ht.
DECIDUOUS SHRUBS				
CB	18	Cornus baileyi / Bailey's Red-Twig Dogwood	3 gal	Min. 18"-24"
CF	4	Cornus sericea 'Flaviramea' / Yellow Twig Dogwood	5 gal	Min. 18"-24"
HA	3	Hydrangea arborescens 'Annabelle' / Annabelle Smooth Hydrangea	3 gal	Min. 18"-24"
PG	5	Potentilla fruticosa 'Gold Star' / Gold Star Potentilla	1 gal	18"-12" Ht.
RO3	18	Rhus aromatica 'Gra-Low' / Gra-Low Fragrant Sumac	3 gal	
RC	28	Ribes alpinum 'Compacta' / Compact Alpine Currant	3 gal	12"-18" Ht.
SF	3	Spiraea japonica 'Flaming Mound' / Flaming Mound Spirea	3 gal	18"-12" Ht.
SG	7	Spiraea japonica 'Goldflame' / Spirea	3 gal	12"-18" Ht.
SM3	5	Spiraea japonica 'Waturne' / Magic Carpet Spirea	2 gal	18"-12" Ht.
VS	8	Viburnum trilobum 'Spring Red' / Spring Red Compact Cranberrybush Viburnum	3 gal	18"-24" Ht.
EVERGREEN SHRUBS				
II	5	Ilex glabra 'Compacta' / Compact Inkberry	3 gal	12"-18" Ht.
MA	4	Juniperus sabina 'Mini-Arcadia' / Mini Arcadia Juniper	3 gal	18" Tall
LOW EVERGREEN SHRUB				
JB	2	Juniperus sabina 'Buffalo' / Buffalo Juniper	3 gal	12" Tall/Wide
JM	11	Juniperus sabina 'Mini-Arcadia' / Mini Arcadia Juniper	3 gal	
ORNAMENTAL GRASSES/PERENNIALS				
AAF	19	Astilbe ardensi 'Fanal' / Fanal Red Astilbe	1 gal	Cont.
AV	8	Astilbe chinensis 'Visions in White' / Chinese Astilbe	1 gal	Cont.
OK	15	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass	1 gal	Cont.
HH	18	Hemerocallis x 'Happy Returns' / Happy Returns Daylily	1 gal	Cont.
HB	4	Heuchera x 'Berry Smoothie' / Berry Smoothie Coral Bells	Cont.	18"-12" Ht.
HF	5	Hosta x 'Fire and Ice' / Fire and Ice Hosta	Cont.	18"-12" Ht.
PL	5	Perovskia atriplicifolia 'Little Spire' TM / Little Spire Russian Sage	1 gal	Cont.
RG2	35	Rudbeckia fulgida sultanii 'Goldsturm' / Black-eyed Susan	1 gal	Cont.
SM	19	Salvia nemorosa 'Mairacht' / Maynight Salvia	Cont.	18"-12" Ht.
SL	9	Sedum spurius 'Lemon Drop' / Lemon Drop Sedum	Cont.	18"-12" Ht.



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MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:



CLIENT ADDRESS:
210 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:
**BIRCHROCK CASTLE
ADDITION**

PROJECT LOCATION:
**VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN**

PLAN MODIFICATIONS:		
#	Date:	Description:
1	11.05.19	(PUD SUBMITTAL)
2	12.12.19	PER VILLAGE COMMENTS
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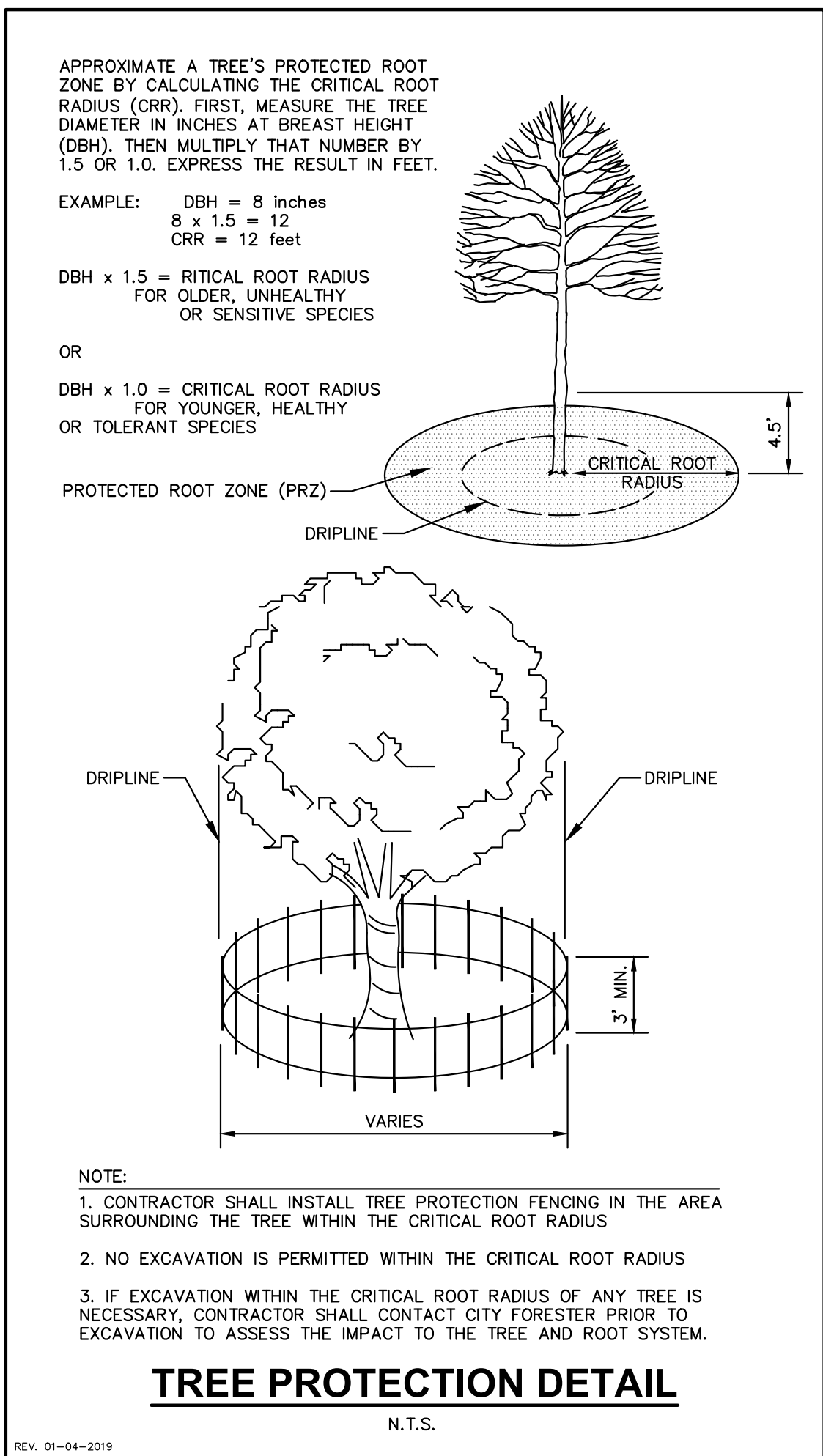
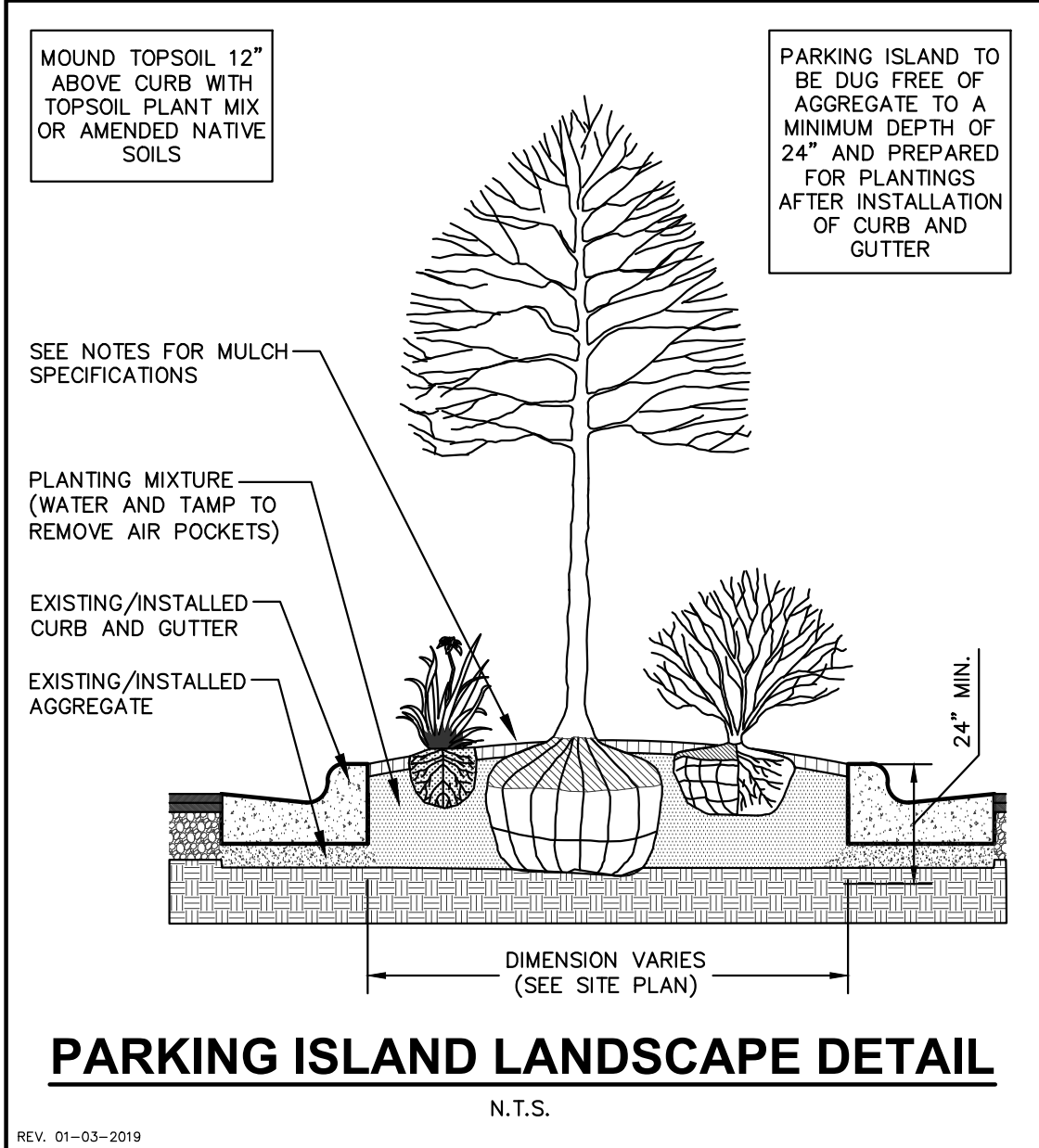
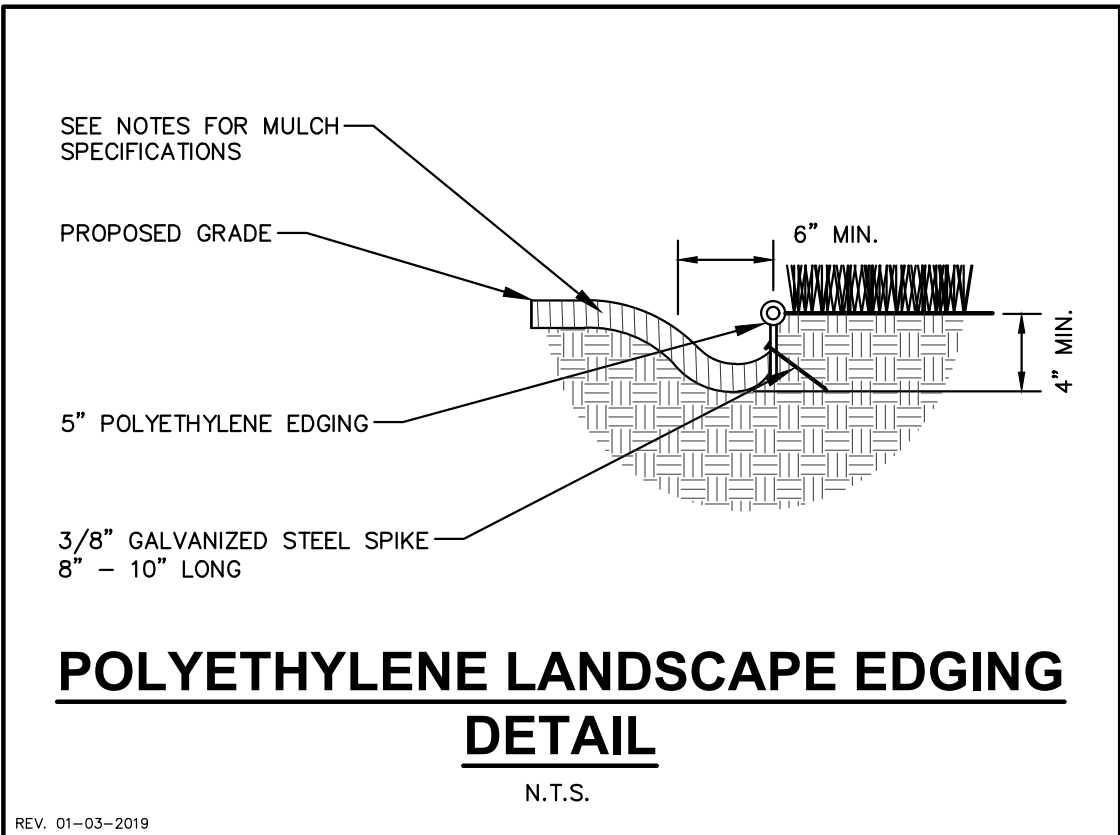
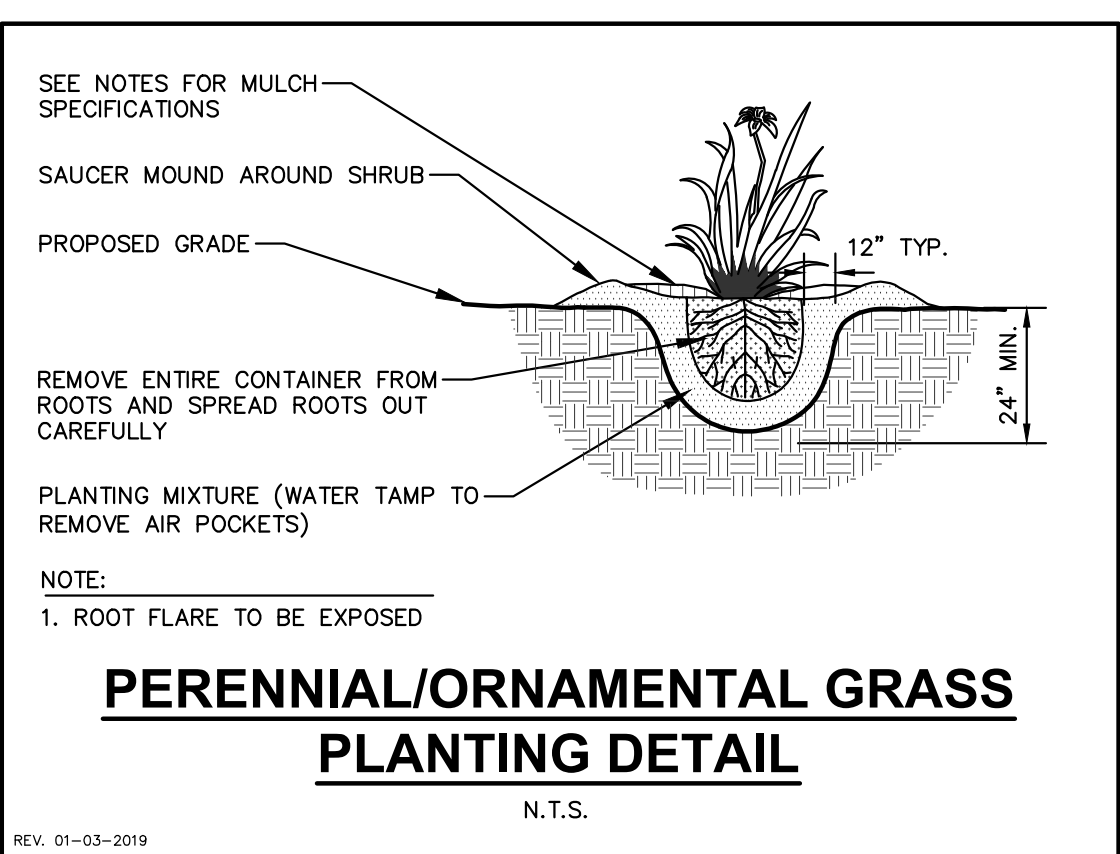
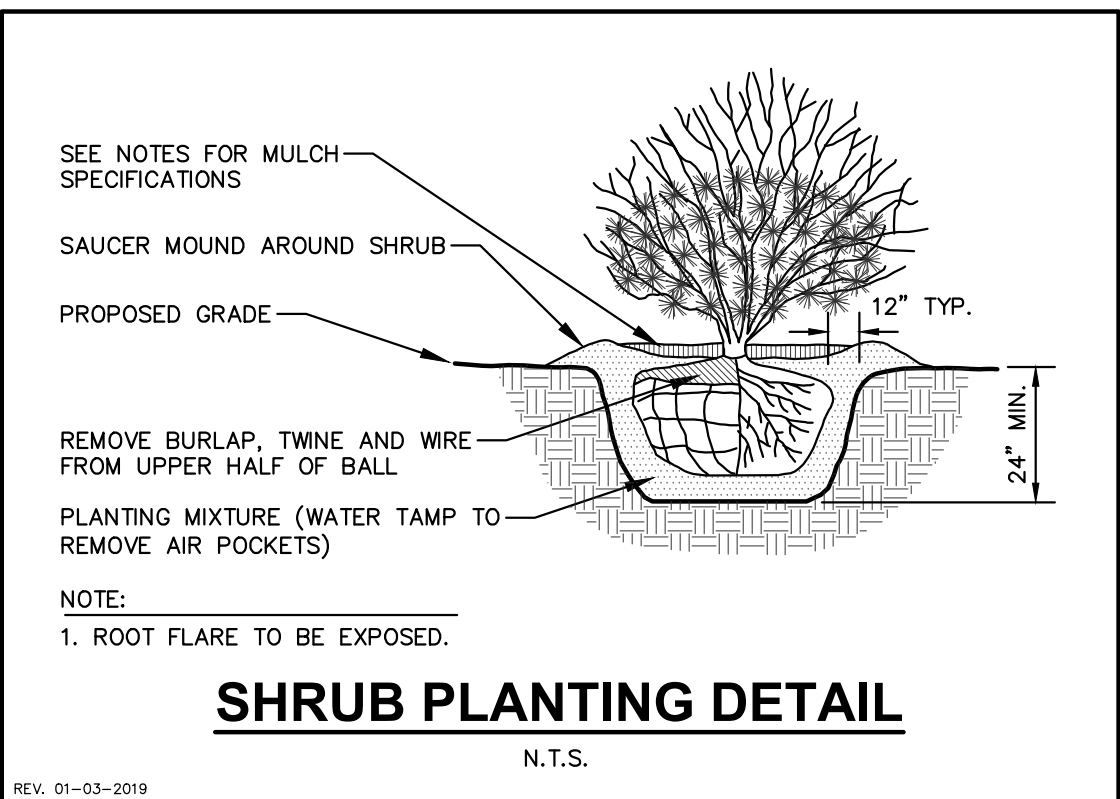
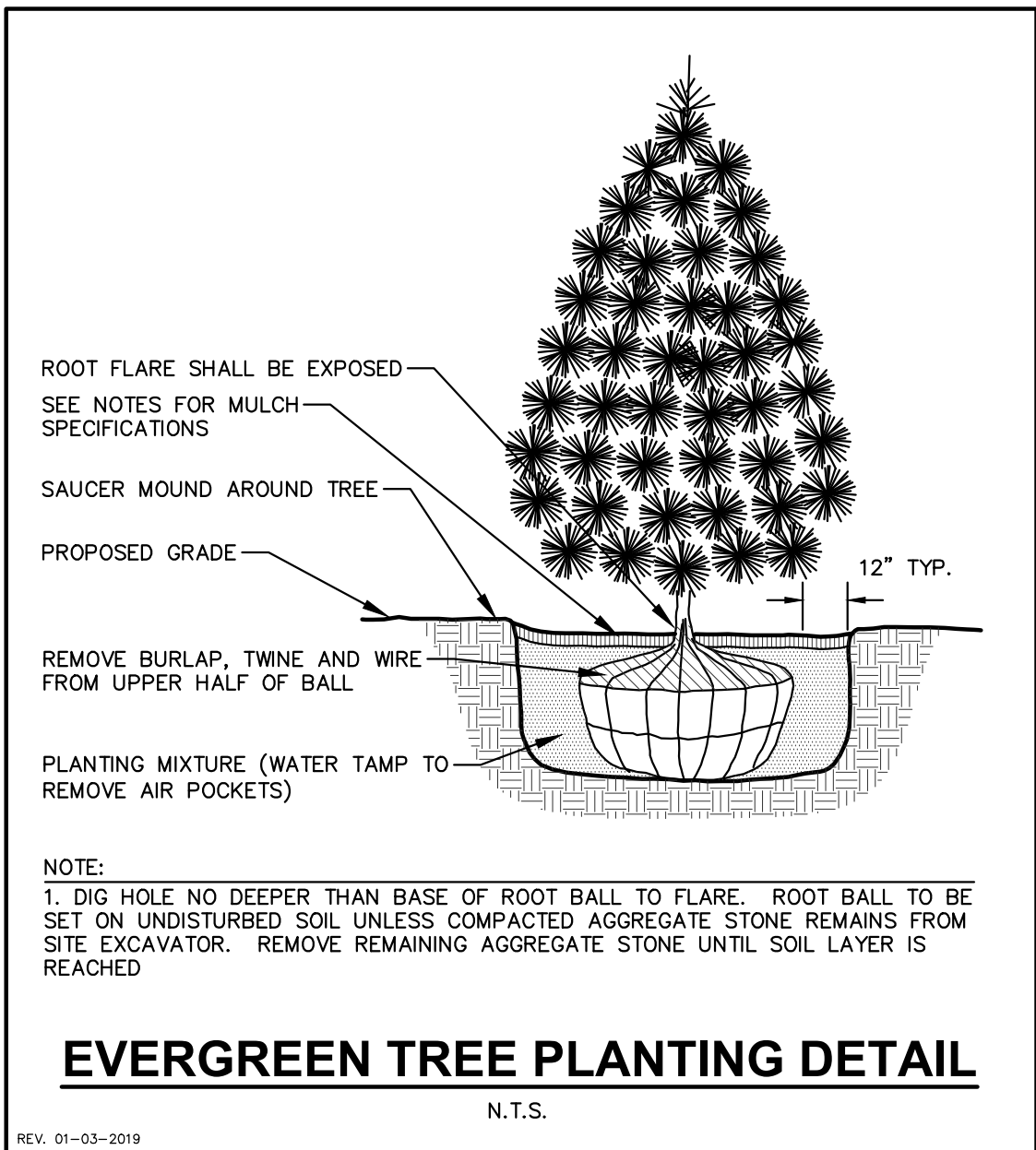
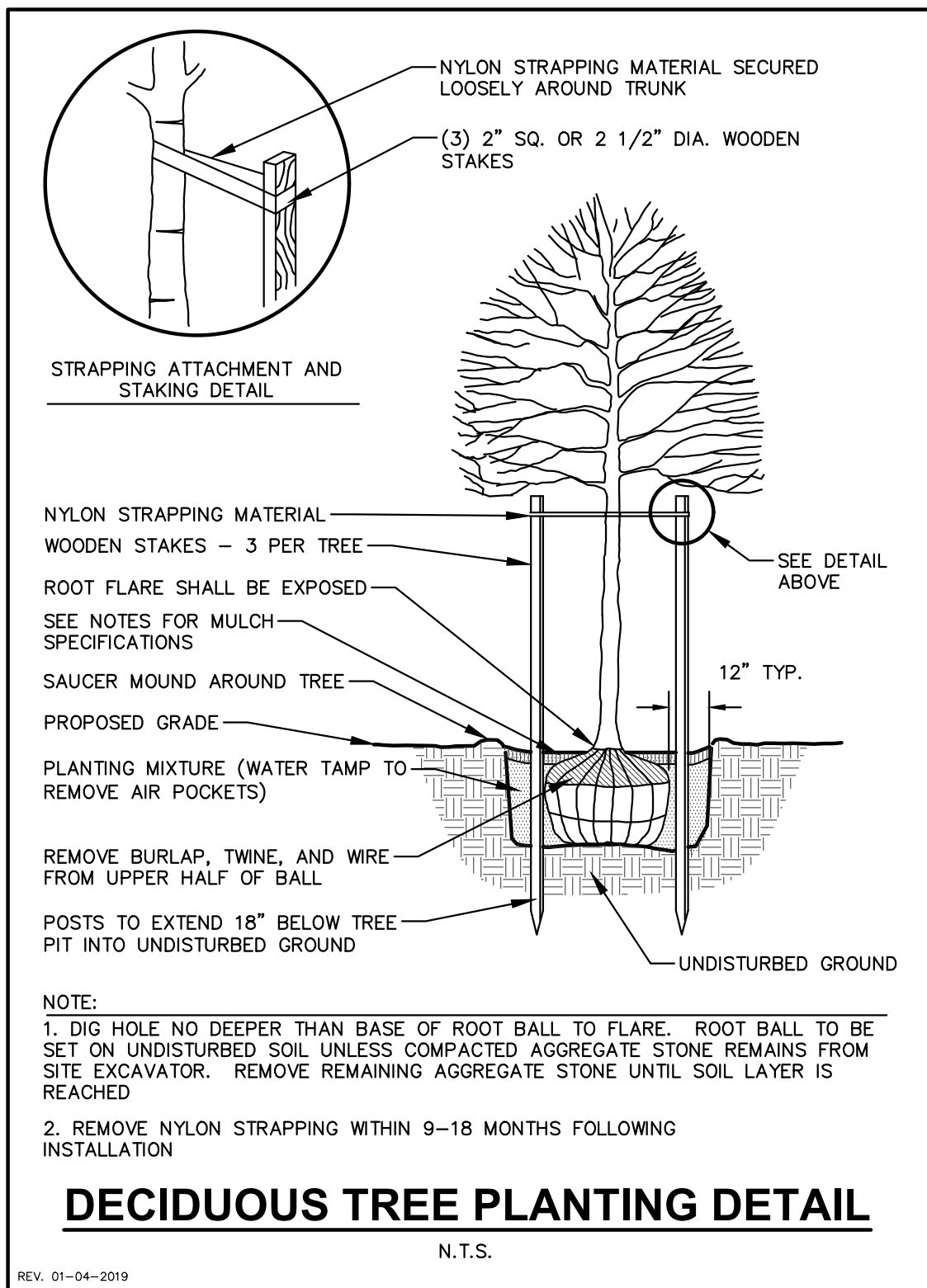
Design/Drawn: MAS
Approved: MAS

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
L1.0

JSD PROJECT NO: 19-0237

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GENERAL NOTES

- GENERAL: ALL WORK IN THE R-O-W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 1-800-242-8511 FOR UTILITY LOCATIONS AT LEAST THREE DAYS PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
- DELIVERY AND HANDLING: DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY, UNLESS ADEQUATE, APPROPRIATE AND SECURE STORAGE IS PROVIDED AND APPROVED BY OWNER'S REPRESENTATIVE. AT ALL TIMES, PROTECT ALL PLANT MATERIALS FROM WIND AND DIRECT SUN. DELIVER PLANTS WITH LEGIBLE IDENTIFICATION LABELS. PROTECT PLANTS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY; IF THIS IS NOT POSSIBLE, PROTECT THE PLANT MATERIALS NOT PLANTED BY STORING THEM IN A SHADED, SECURE AREA, PROTECTING THE ROOT MASS WITH WET SOIL, MULCH, HAY OR OTHER SUITABLE MEDIUM. CONTRACTOR TO KEEP ALL PLANT MATERIALS ADEQUATELY WATERED TO PREVENT ROOT DESICCATION. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. ALL PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE CONTAINER OR BALL, PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED BEST HORTICULTURAL PRACTICES.
- MATERIALS - PLANTS: ALL PLANTS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH OR PREMATURE MORTALITY. PLANTS SHALL BE OF THE HIGHEST QUALITY, POSSESS TYPICAL GROWTH HABITS AND FORM FOR THEIR SPECIES AND BE FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.
- PRUNING: THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES, AND LIMBS DAMAGED OR BROKEN DURING THE PLANTING PROCESS, SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH NAA GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIUM LAYER BACK TO LIVING TISSUE AND REMOVE. SMOOTH AND SHAPE WOUNDS SO AS NOT TO RETAIN WATER. TREAT THE AREA WITH AN APPROVED INCONSPICUOUS LATEX BASED ANTISEPTIC TREE PAINT, IF PRUNING OCCURS "IN SEASON". DO NOT PRUNE ANY OAK TREES DURING THE MONTHS FROM APRIL TO OCTOBER.
- CLEANUP: THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES. DISPOSED OF EXCESS SOIL, REMOVE ALL CUTTINGS AND WASTE MATERIALS. SOIL AND BRANCHES, BIND AND WRAP THESE MATERIALS, ANY REJECTED PLANTS, AND ANY OTHER DEBRIS RESULTING FROM ALL PLANTING TASKS AND PROMPTLY CLEAN UP AND REMOVE FROM THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL THE ACCUMULATION OF SOIL, BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC SAFETY HAZARD OR DAMAGE. LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.
- ANY SUBSTITUTIONS IN PLANT TYPE, LOCATION, OR SIZE SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY PLANT MATERIAL QUANTITIES AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE ON SCHEDULE.

LANDSCAPE MATERIAL NOTES

- MATERIALS - PLANTING MIXTURE: ALL HOLES EXCAVATED FOR TREES, SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES SHALL BE BACKFILLED WITH TWO (2) PARTS TOPSOIL, ONE (1) PART SAND AND ONE (1) PART COMPOST. SOIL MIXTURE SHALL BE WELL BLENDED PRIOR TO INSTALLATION.
- MATERIALS - TOPSOIL: TOPSOIL TO BE CLEAN, FRIABLE LOAM FROM A LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 3/4" IN DIAMETER, AND FREE FROM TOXINS OR OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL HAVE A pH VALUE BETWEEN 6 AND 7. TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO ENSURE CONFORMANCE WITH THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. PROVIDE TEST RESULTS TO OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. DO NOT PLACE FROZEN OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE AREAS PER SOIL TEST.
- MATERIALS - SHREDDED HARDWOOD BARK MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE CERTIFIED WEED FREE, SHREDDED HARDWOOD BARK MULCH INSTALLED TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. SHREDDED HARDWOOD BARK MULCH SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL COUNTY AND STATE REQUIREMENTS. SHREDDED HARDWOOD BARK MULCH AREAS SHALL NOT RECEIVE WOVEN WEED BARRIER FABRIC.
- MATERIALS - TREE & SHRUB RINGS: ALL TREES AND/OR SHRUBS PLANTED IN SEEDED LAWN AREAS TO BE INSTALLED WITH A MINIMUM 5' DIAMETER SHREDDED HARDWOOD BARK MULCH TREE RING SPREAD TO A CONSISTENT DEPTH OF 3-INCHES. ALL TREE RINGS SHOULD BE INSTALLED WITH A 5" DEPTH SHOVEL CUT EDGE, ANGLED 45 DEGREES INTO SOIL AT A 5' DIAMETER ABOUT THE CENTER OF THE TREE PLANTING. A PRE-EMERGENT GRANULAR HERBICIDE WEED-PREVENTER SHOULD BE MIXED WITH MULCH USED TO INSTALL TREE RING AS WELL AS TOPICALLY APPLIED TO COMPLETED INSTALLATION OF TREE RING.
- MATERIALS - POLYETHYLENE EDGING: EDGING SHALL BE 5" DEEP, POLYETHYLENE EDGING. OWNER'S REPRESENTATIVE SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR.

SEEDING & POND VEGETATION NOTES

- MATERIALS - TURFGRASS SEED: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 6" OF TOPSOIL AND EARTH CARPETS "MADISON PARKS" GRASS SEED, OR EQUIVALENT AS APPROVED BY THE OWNER'S REPRESENTATIVE, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. IN ADDITION TO TURFGRASS SEED, ANNUAL RYE SHALL BE APPLIED TO ALL DISTURBED AREAS AT A RATE OF 1 1/2 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH PER MANUFACTURER'S RECOMMENDATIONS. MULCH SHALL BE CERTIFIED NOXIOUS WEED SEED-FREE.
- MATERIALS - PRAIRIE SEED MIX: BIO-INFILTRATION BASIN AREAS LABELED ON PLAN AS SUCH, SHALL BE BROADCAST SEEDDED WITH "DIVERSE PRAIRIE FOR MEDIUM SOILS" SEED MIX, AS PROVIDED BY PRAIRIE NURSERY, P.O. BOX 306, WESTFIELD, WISCONSIN, 53984, TEL. 608-296-3679 (OR APPROVED EQUIVALENT). INSTALL SEED WITH SUPPLEMENTAL MATERIALS AND AMENDMENTS AS RECOMMENDED BY SEED SUPPLIER AND AT RATES AND OPTIMUM TIMES OF THE YEAR AS RECOMMENDED BY THE SEED SUPPLIER TO ENSURE SUCCESSFUL GERMINATION AND SEED/ROOT ZONE GROWTH DEVELOPMENT. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.

CONTRACTOR AND OWNER RESPONSIBILITY NOTES

- GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL PLANTS THROUGH ONE (1) YEAR AFTER ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PLANTS SHALL BE ALIVE AND IN HEALTHY AND FLOURISHING CONDITION AT THE END OF THE GUARANTEE PERIOD. THE CONTRACTOR SHALL REPLACE (AT NO COST TO OWNER) ANY PLANTS THAT ARE DEAD OR NOT IN A VIGOROUS THRIVING CONDITION. REPLACEMENT PLANTS SHALL BE OF THE SAME KIND AND SIZE AS ORIGINALLY SPECIFIED UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE. RESTORE BEDS AS NECESSARY FOLLOWING PLANT REPLACEMENT, INCLUDING BUT NOT LIMITED TO BEDDING, EDGING, MULCH, ETC. REPLACE PLANTS DAMAGED AT TIME OF PLANTING. REPAIR AREAS DISTURBED IN ANY WAY DURING PLANT REPLACEMENT AT NO COST TO OWNER. CONTRACTOR SHALL PROVIDE A ONE (1)-YEAR STRAIGHTENING GUARANTEE FOR ALL TREES.
- CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER'S REPRESENTATIVE PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
- MAINTENANCE: (CONTRACTOR) FOR ALL PLANTINGS AND SEEDED LAWN AREAS: THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS AND LAWN AREAS FOR A MINIMUM TIME PERIOD OF 60 DAYS, UNTIL FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY WATERING PLANTS AND LAWN/TURFGRASS DURING THIS 60 DAY ESTABLISHMENT PERIOD. CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT OF HEALTHY VIGOROUS PLANT MATERIALS AND LAWN/TURFGRASS GROWTH. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRUNING OF PLANT MATERIALS, AND SHAPING AND/OR REPLACEMENT OR SUPPLEMENT OF DEFICIENT SHREDDED HARDWOOD BARK MULCH DURING THIS PERIOD. LONG TERM PLANT MATERIALS AND LAWN/TURFGRASS MAINTENANCE AND ANY PROGRAM FOR SUCH IS THE RESPONSIBILITY OF THE OWNER. ALL PLANTINGS AND LAWN/TURFGRASS AREAS SHALL BE MAINTAINED IN A MANICURED CONDITION UNTIL THE TIME WHEN THE OWNER'S ACCEPTANCE IS GIVEN.
- MAINTENANCE: (OWNER) THE OWNER IS RESPONSIBLE FOR THE CONTINUED MAINTENANCE, REPAIR AND REPLACEMENT OF ALL LANDSCAPING MATERIALS AND WEED BARRIER FABRIC AS NECESSARY FOLLOWING THE ONE (1) YEAR CONTRACTOR GUARANTEE PERIOD.

CREATE THE VISION TELL THE STORY

MADISON MILWAUKEE WAUSAU
APPLETON KENOSHA CHICAGO
COEUR D'ALENE

MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:

Castle
Senior Living

CLIENT ADDRESS:
210 McDIVITT LANE
MUKWONAGO, WI 53149

PROJECT:

BIRCHROCK CASTLE
ADDITION

PROJECT LOCATION:
VILLAGE OF MUKWONAGO
WAUKESHA COUNTY, WISCONSIN

PLAN MODIFICATIONS:		
#	Date:	Description:
1	11.05.19	(PUD SUBMITTAL)
2	12.12.19	PER VILLAGE COMMENTS
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Design/Drawn: MAS
Approved: MAS

SHEET TITLE:
LANDSCAPE NOTES,
DETAILS &
SPECIFICATIONS

SHEET NUMBER:

L2.0

JSD PROJECT NO:

19-0231

DIGGERS HOTLINE
Toll Free (800) 242-8511

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number
	4	4B	SINGLE	1.010	8950	86	OSQ-A-NM-4ME-B-57K-xx-xx + OSQ-DAXx + OSQ-BLSMF

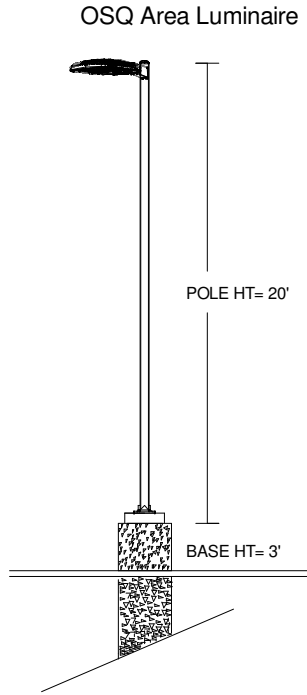
Calculation Summary (Footcandles calculated using predicted lumen values @ 50K hrs of operation)						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING LOT	Fc	2.44	3.5	1.0	2.44	3.50
PROPERTY LINE	Fc	0.05	0.4	0.0	N.A.	N.A.

Pole Schedule
(4) SSS-4-11-20-CW-BS-1D-C-XX (20' X 4" STEEL SQUARE POLE)

Proposed poles meet 130 MPH sustained winds.

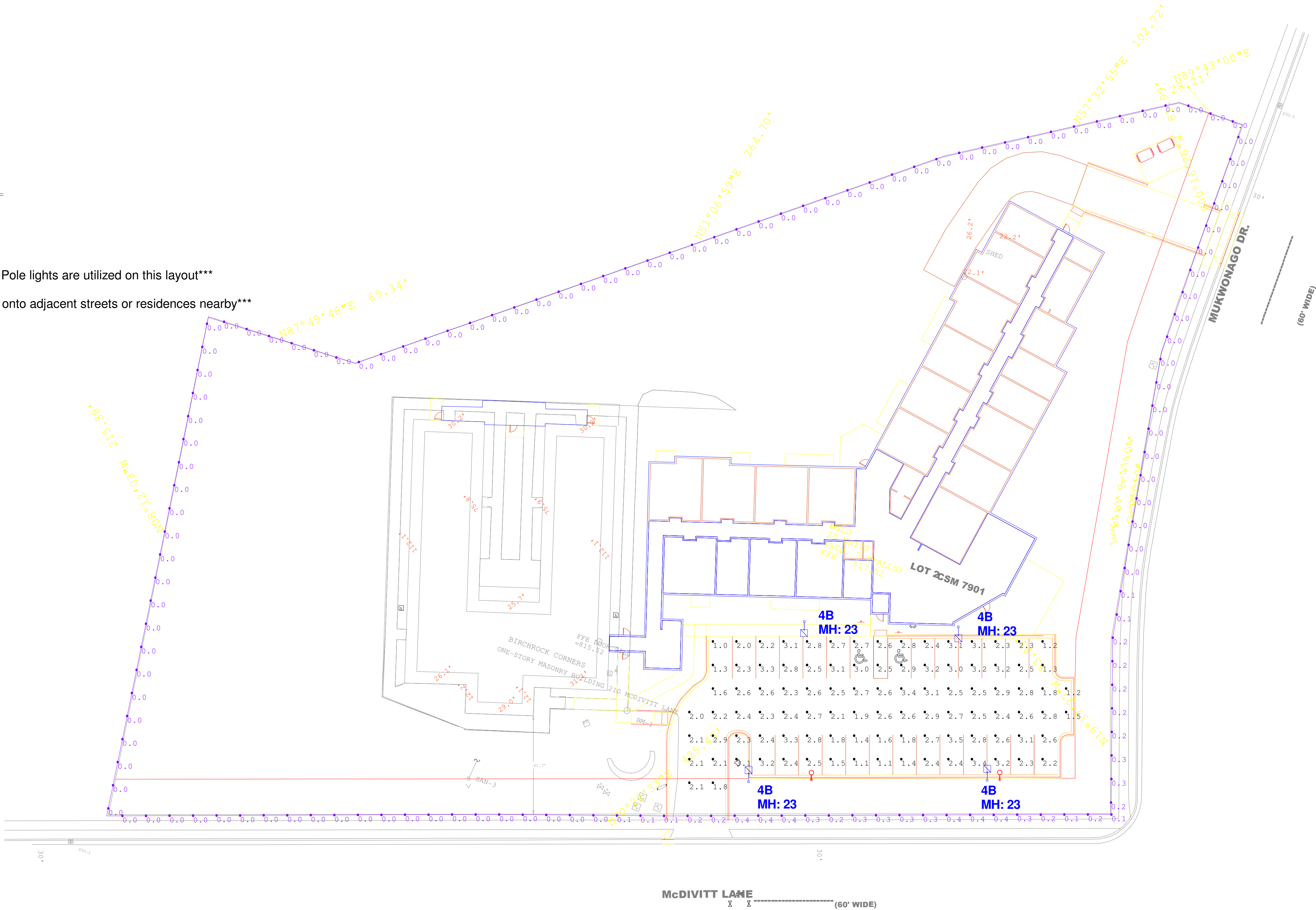
Additional Equipment:
(4) OSQ-DAXX (DIRECT ARM MOUNT)
(4) OSQ-BLSMF (BACK LIGHT SHIELD)

*** CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER ***



****Note: no lights on mounted on the exterior of the building stucture. Pole lights are utilized on this layout***

****Back light shields are used with every fixture to reduce the spill light onto adjacent streets or residences nearby****



CREE LIGHTING

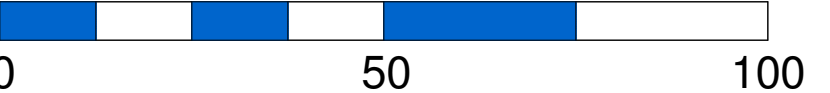
A COMPANY OF **IDEAL INDUSTRIES, INC.**
8201 Washington Ave, Racine, WI 53406 <https://creelighting.com> • (800) 236-6800

Illumination results shown on this lighting design are based on project parameters provided to Cree Lighting used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.

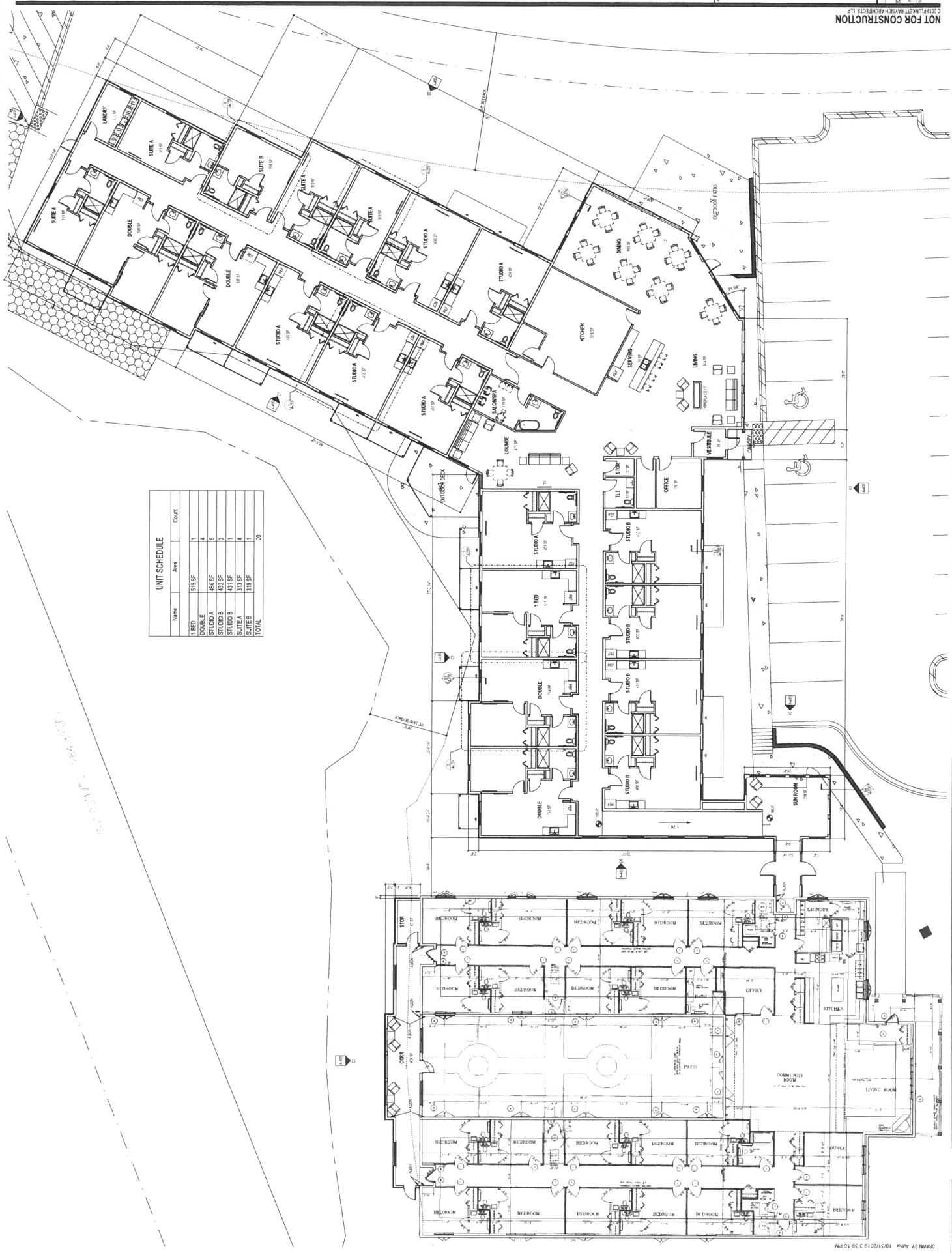
Project Name: Castle Senior Living 210 Mcdivitt Ln Mukwonago, WI 53149

SR-39448 || Footcandles calculated at grade || Filename: 191105JP1LJSR1.AGI

Layout By: Linda Schaller
Date:12/12/2019

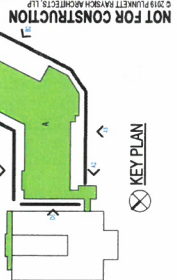
Scale 1" = 25'

0 50 100

Jan. 14, 2020 DC.



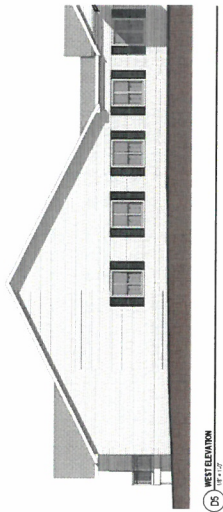
UNIT SCHEDULE		
Name	Area	Count
1 BED	515 SF	1
DOUBLE	456 SF	4
STUDIO A	456 SF	5
STUDIO B	432 SF	3
STUDIO C	431 SF	1
SUITE A	313 SF	4
SUITE B	319 SF	1
TOTAL		20

DATE	11-01-19
BY	AK
PROJECT	CASTLE SENIOR LIVING
LOCATION	210 MCWITT LANE, MUKWAGO, WI 53149
EXT EXHIBIT ELEVATIONS	

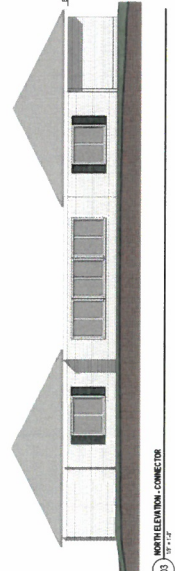


EXISTING BUILDING

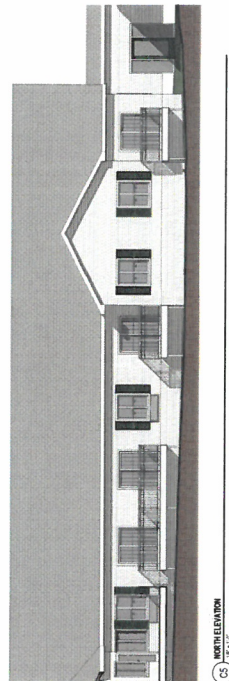
CASTLE SENIOR LIVING
BIRCHROCK COMMUNITY - CBRF ADDITION



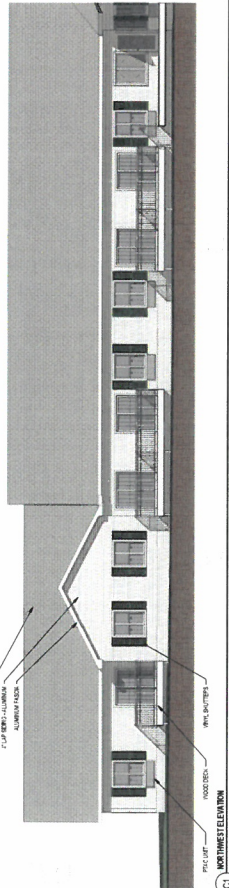
05 WEST ELEVATION



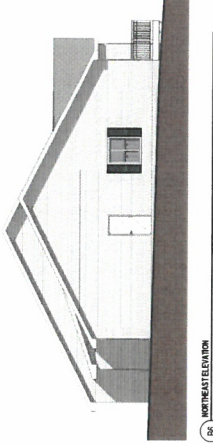
06 NORTH ELEVATION - CONNECTION



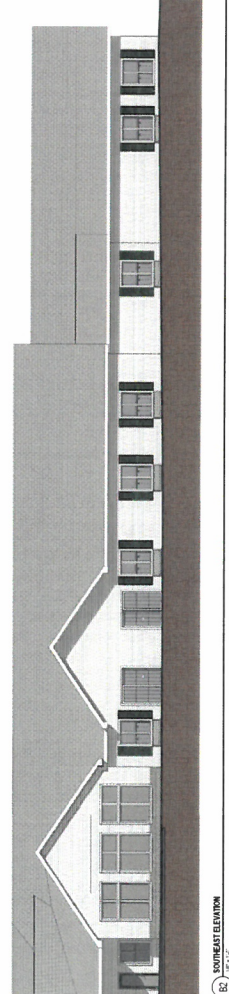
02 NORTH ELEVATION



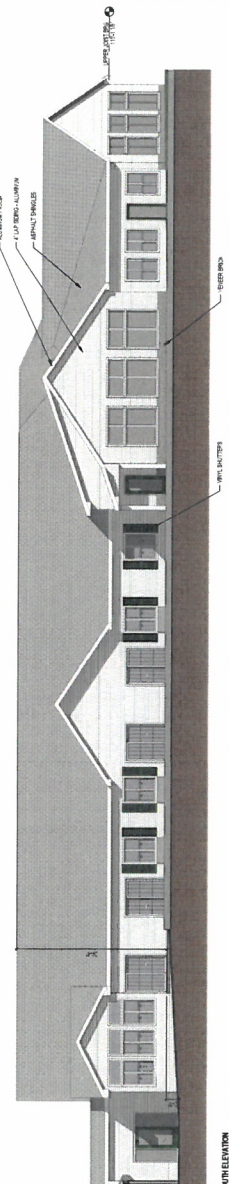
01 NORTHWEST ELEVATION



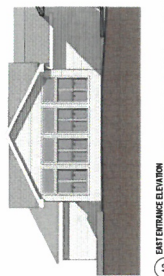
08 NORTHEAST ELEVATION



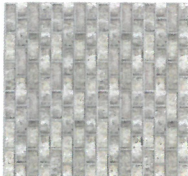
03 SOUTHEAST ELEVATION



04 EAST ELEVATION



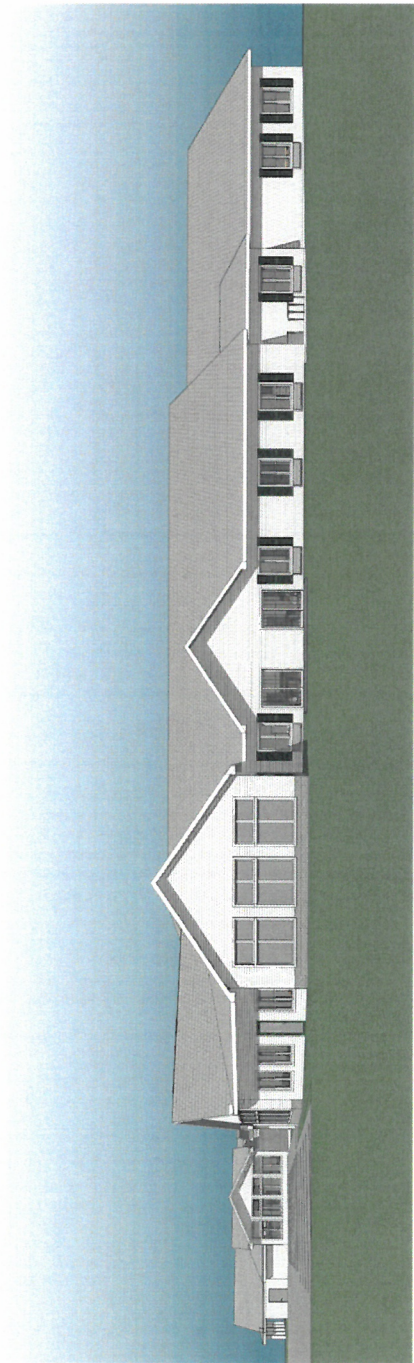
A2 EAST ENTRANCE ELEVATION



CHAMPION BRICK -
GENERAL SHALE -CORTEZ
MATCH EXISTING



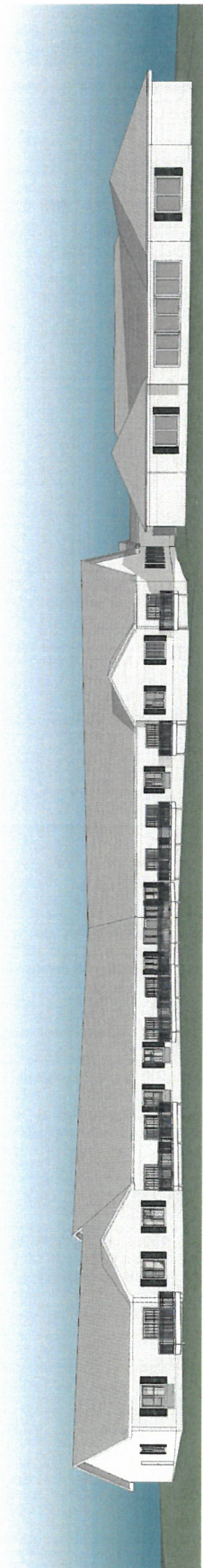
WHITE ALUMINUM LAP SIDING
MATCH EXISTING



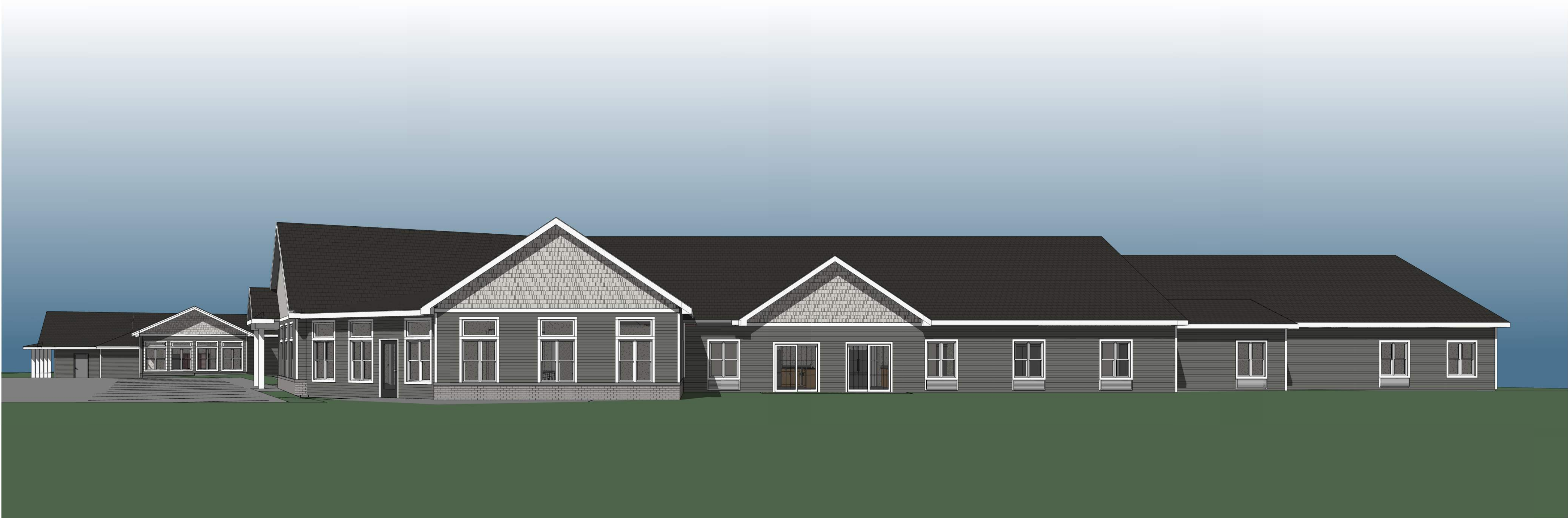
1 EAST VIEW LOOKING WEST



2 SOUTH VIEW LOOKING NORTH



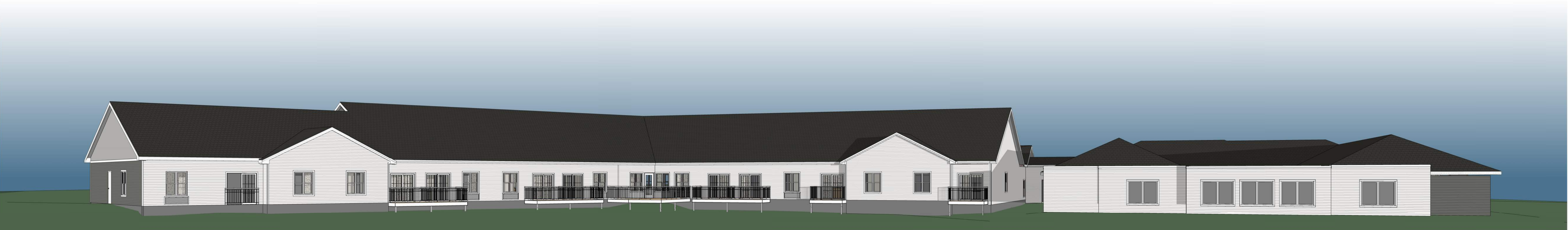
3 NORTH VIEW LOOKING SOUTH EAST



1 EAST VIEW LOOKING WEST



2 SOUTH VIEW LOOKING NORTH



3 NORTH VIEW LOOKING SOUTH EAST



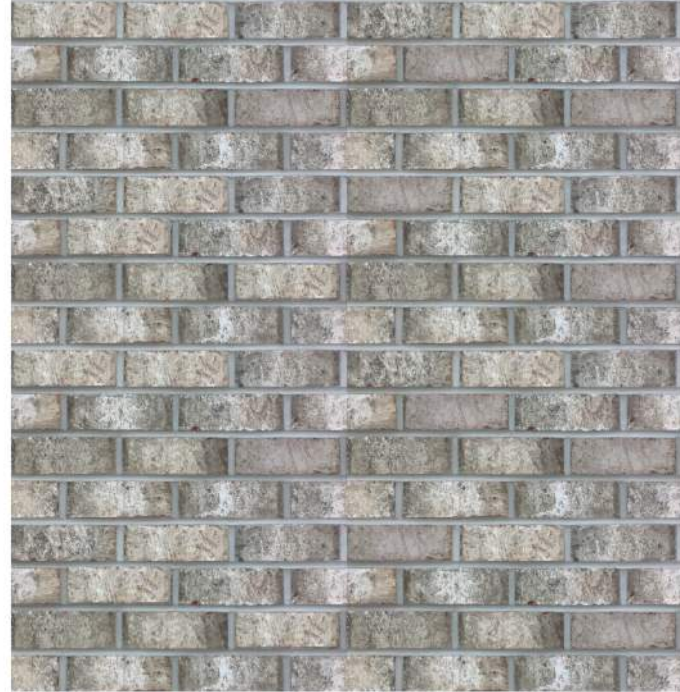
LP SMARTSIDE - LAP SIDING
DIAMOND KOTE - SMOKEY ASH



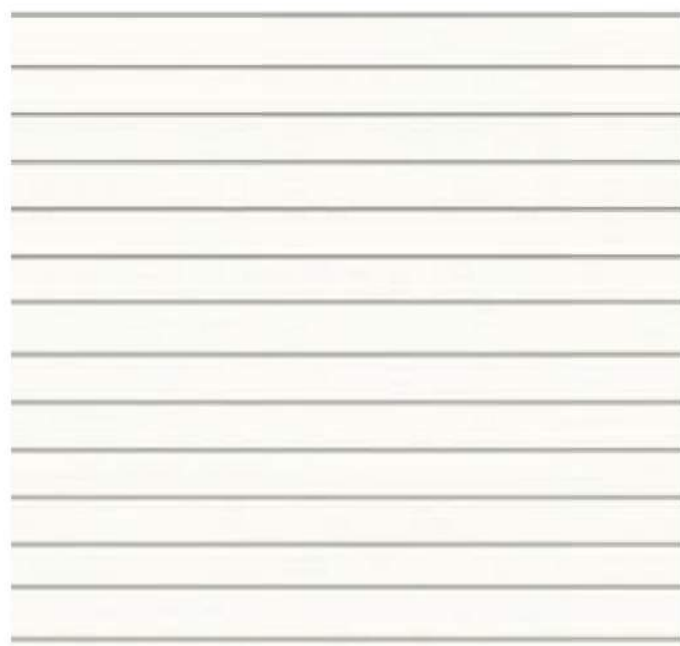
LP SMARTSIDE - SHAKE
DIAMOND KOTE - LIGHT GREY



LP SMARTSIDE - TRIM
DIAMOND KOTE - WHITE



CHAMPION BRICK
GENERAL SHALE-CORTEZ
MATCH EXISTING



ALUMINUM LAP SIDING
WHITE



Committee/Board:	Finance
Topic:	Well 3 Rehab Project
From:	Dave Brown
Department:	Water
Presenter:	Dave Brown
Date of Committee Action (if required):	2/19/2020
Date of Village Board Action (if required):	2/19/2020

Information

Subject:

Well 3 Rehab Project

Background Information/Rationale:

Tool is stuck in well, we are in retrieval process. Tool has been driven down to approximately 1360' which puts tool at point in which it can be grouted in if tool cannot be removed. They are sand pumping now 2/12/20 and it is going slow. 2/13/20 they will be televising to see where we go next. Ae are at approx. 70 hours used of the original 90 so we will most likely being discussing more time allowed for tool retrieval.

Key Issues for Consideration:

DNR required to make honest effort to retrieve tool if it is deemed not reasonable due to well stability then we will grout in place. We are will make decision where to go probably after televising on 2/13/20.

Fiscal Impact (If any):

Original proposal was \$47,000 (90 hours) Do not have extended proposal if one is needed till after 2/13/2020 televising and decision is made on how to proceed.

Requested Action by Committee/Board:

Make recommendation to approve extended proposal if deemed necessary.

Attachments

Will be presented if any at Village Board Meeting.



Committee/Board:	Public Works Committee/Village Board
Topic:	Holding/Septage Waste Refunds
From:	Dave Brown
Department:	Sewer Utility
Presenter:	Dave Brown
Date of Committee Action (if required):	2/19/2019
Date of Village Board Action (if required):	2/19/2019

Information

Subject:

Holding/Septage Waste Refunds

Background Information/Rationale:

Miscommunication led to the mistake of not properly notifying the haulers of the rate increase that went into effect on April 1st 2019.

Key Issues for Consideration:

Inexperience with this procedure and the rules as it is regulated differently than normal rates with PSC.

Fiscal Impact (If any):

Refund Haulers in the sum of \$11,068.90.

Requested Action by Committee/Board:

Village Board to make recommendation to approve refunds as calculated and attached by attorney Mark Blum.

Attachments

Refund calculation sheet as calculated by Attorney Mark Blum.

**HIPPENMEYER, REILLY, BLUM
SCHMITZER, FABIAN & ENGLISH, S.C.**

MARK G. BLUM
THOMAS G. SCHMITZER
LORI J. FABIAN
RONALD E. ENGLISH III

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WAUKESHA, WISCONSIN 53187-0766
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www.hrblawfirm.com

RICHARD S. HIPPENMEYER
(1911-1979)
WILLIAM F. REILLY
(1932-2007)

EMAIL: MGBLUM@HRBLAWFIRM.COM

January 29, 2020

Via Email (dbrown@villageofmukwonago.com) Only

Mr. Dave Brown
Village of Mukwonago Utilities Director
440 River Crest Court
Mukwonago, WI 53149

Re: Sewage Overhaul Charge Refunds

Dear Dave:

As requested, enclosed is a spreadsheet we have prepared reflecting the overhaul charge fees and refunds. As you can see, the amount we have calculated totals \$11,068.90, inclusive of interest at the rate of 1.5% per month. This is based upon the email I have received from you indicating the Village's normal practice for delinquent fees. It would seem reasonable to charge ourselves the same fee we would impose on others.

Please review this and advise if you need any further information from our office in order to process these payments. I would suggest the check reference this is in full and final settlement of the holding tank and septic tank overhaul charges for 2019.

Thank you for your consideration of this matter.

Sincerely,

HIPPENMEYER, REILLY, BLUM,
SCHMITZER, FABIAN & ENGLISH, S.C.



Mark G. Blum

MGB/jb
Enc.

Cc: Ms. Diana Doherty
Ms. Diana Dykstra

Holding Tank													
Hauler	Amount Billed					Corrected Bill							
	April	May	September	October	April	Interest	May	Interest	September	Interest	October	Interest	Total Overcharge
Stan Walters	\$4,678.00	\$1,851.00	\$2,401.37	\$5,135.09	\$4,138.00	\$8.10	\$1,637.00	\$3.21	\$2,124.29	\$4.16	\$4,542.58	\$8.89	\$1,647.95
Doc's	\$340.00	\$275.00	\$97.11	\$311.22	\$301.00	\$0.59	\$243.00	\$0.48	\$85.91	\$0.17	\$275.31	\$0.54	\$119.89
Senft	\$638.00	\$333.00	\$279.77	\$491.96	\$564.00	\$1.11	\$294.00	\$0.59	\$247.49	\$0.49	\$435.20	\$0.86	\$205.09
Associated	\$252.00	\$205.00	\$42.12	\$113.20	\$223.00	\$0.44	\$181.00	\$0.36	\$37.26	\$0.08	\$100.14	\$0.20	\$72.00
Troy	\$427.00	\$156.00	\$348.37	\$1,211.93	\$378.00	\$0.74	\$138.00	\$0.27	\$308.17	\$0.61	\$1,072.09	\$2.10	\$250.76
McDonough	\$627.00	\$181.00	\$393.45	\$428.49	\$555.00	\$1.08	\$160.00	\$0.32	\$348.05	\$0.69	\$379.05	\$0.75	\$190.68
Freds	\$47.00	\$111.00	\$185.19	\$39.74	\$41.00	\$0.09	\$98.00	\$0.20	\$163.82	\$0.32	\$35.16	\$0.07	\$45.63
Sunset	\$392.00	\$18.00	\$82.44	\$79.44	\$347.00	\$0.68	\$16.00	\$0.03	\$72.93	\$0.15	\$689.51	\$1.35	\$148.65
Total	\$7,401.00	\$3,130.00	\$3,829.82	\$8,511.07	\$6,547.00	\$12.83	\$2,767.00	\$5.46	\$3,387.92	\$6.67	\$7,529.04	\$14.76	\$2,680.65

Septic Tank													
Hauler	Amount Billed					Corrected Bill							
	April	May	September	October	April	Interest	May	Interest	September	Interest	October	Interest	Total Overcharge
Stan Walters	\$998.00	\$637.00	\$7,083.77	\$15,117.16	\$825.00	\$2.60	\$526.00	\$1.67	\$5,851.81	\$18.48	\$12,488.09	\$39.44	\$4,207.22
Doc's	\$1,182.00	\$0.00	\$225.40	\$1,392.51	\$977.00	\$3.08	\$0.00	\$0.00	\$186.20	\$0.59	\$1,150.34	\$3.63	\$493.67
Senft													\$0.00
Associated			\$924.60	\$3,574.61					\$763.80	\$2.42	\$2,952.94	\$9.33	\$794.22
Troy*			\$437.64	\$1,176.86					\$361.53	\$1.15	\$972.19	\$3.07	\$4.21
											Nov Overpayment	\$280.78	\$569.99
McDonough			\$1,560.23	\$1,772.56					\$1,288.88	\$4.07	\$1,464.29	\$4.63	\$588.32
Freds			\$2,772.65	\$6,262.30					\$2,290.45	\$7.24	\$5,173.21	\$16.34	\$1,594.87
Sunset				\$792.90							\$655.01	\$2.07	\$139.96
Total	\$2,180.00	\$637.00	\$13,004.29	\$30,088.90	\$1,802.00	\$5.68	\$526.00	\$1.67	\$10,742.67	\$33.95	\$24,856.07	\$78.51	\$8,388.25

Troy was overpaid \$280.78 for November - I added this to Septic because I wasn't sure. I didn't add a column for Nov - just interest

Hauler	Total Refund	\$11,068.90
Stan Walters	\$5,855.17	
Doc's	\$613.56	
Senft	\$205.09	
Associated	\$866.22	
Troy*	\$820.75	
McDonough	\$779.00	
Freds	\$1,640.50	
Sunset	\$288.61	
Total	\$11,068.90	

Holding Tank

Hauler	April 2019		
	Amount Billed	Corrected Bill	Total Refund
Stan Walters	\$4,678.00	\$4,138.00	\$540.00
Doc's	\$340.00	\$301.00	\$39.00
Senft	\$638.00	\$564.00	\$74.00
Associated	\$252.00	\$223.00	\$29.00
Troy	\$427.00	\$378.00	\$49.00
McDonough	\$627.00	\$555.00	\$72.00
Freds	\$47.00	\$41.00	\$6.00
Sunset	\$392.00	\$347.00	\$45.00
Total	\$7,401.00	\$6,547.00	\$854.00

Hauler	May 2019		
	Amount Billed	Corrected Bill	Total Refund
Stan Walters	\$1,851.00	\$1,637.00	\$214.00
Doc's	\$275.00	\$243.00	\$32.00
Senft	\$333.00	\$294.00	\$39.00
Associated	\$205.00	\$181.00	\$24.00
Troy	\$156.00	\$138.00	\$18.00
McDonough	\$181.00	\$160.00	\$21.00
Freds	\$111.00	\$98.00	\$13.00
Sunset	\$18.00	\$16.00	\$2.00
Total	\$3,130.00	\$2,767.00	\$363.00

Hauler	September 2019		
	Amount Billed	Corrected Bill	Total Refund
Stan Walters	\$2,401.37	\$2,124.29	\$277.08
Doc's	\$97.11	\$85.91	\$11.20
Senft	\$279.77	\$247.49	\$32.28
Associated	\$42.12	\$37.26	\$4.86
Troy	\$348.37	\$308.17	\$40.20
McDonough	\$393.45	\$348.05	\$45.40
Freds	\$185.19	\$163.82	\$21.37
Sunset	\$82.44	\$72.93	\$9.51
Total	\$3,829.82	\$3,387.92	\$441.90

Hauler	October 2019		
	Amount Billed	Corrected Bill	Total Refund
Stan Walters	\$5,135.09	\$4,542.58	\$592.51
Doc's	\$311.22	\$275.31	\$35.91
Senft	\$491.96	\$435.20	\$56.76
Associated	\$113.20	\$100.14	\$13.06
Troy	\$1,211.93	\$1,072.09	\$139.84
McDonough	\$428.49	\$379.05	\$49.44
Freds	\$39.74	\$35.16	\$4.58
Sunset	\$779.44	\$689.51	\$89.93
Total	\$8,511.07	\$7,529.04	\$982.03

Septage

Hauler	April 2019		
	Amount Billed	Corrected Bill	Total Refund
Stan Walters	\$998.00	\$825.00	\$173.00
Doc's	\$1,182.00	\$977.00	\$205.00
Senft			\$0.00
Associated			\$0.00
Troy			\$0.00
McDonough			\$0.00
Freds			\$0.00
Sunset			\$0.00
Total	\$2,180.00	\$1,802.00	\$378.00

Hauler	May 2019		
	Amount Billed	Corrected Bill	Total Refund
Stan Walters	\$637.00	\$526.00	\$111.00
Doc's			\$0.00
Senft			\$0.00
Associated			\$0.00
Troy			\$0.00
McDonough			\$0.00
Freds			\$0.00
Sunset			\$0.00
Total	\$637.00	\$526.00	\$111.00

Hauler	September 2019		
	Amount Billed	Corrected Bill	Total Refund
Stan Walters	\$7,083.77	\$5,851.81	\$1,231.96
Doc's	\$225.40	\$186.20	\$39.20
Senft			\$0.00
Associated	\$924.60	\$763.80	\$160.80
Troy	\$437.64	\$361.53	\$76.11
McDonough	\$1,560.23	\$1,288.88	\$271.35
Freds	\$2,772.65	\$2,290.45	\$482.20
Sunset			\$0.00
Total	\$13,004.29	\$10,742.67	\$2,261.62

Hauler	October 2019		
	Amount Billed	Corrected Bill	Total Refund
Stan Walters	\$15,117.16	\$12,488.09	\$2,629.07
Doc's	\$1,392.51	\$1,150.34	\$242.17
Senft			\$0.00
Associated	\$3,574.61	\$2,952.94	\$621.67
Troy	\$1,176.86	\$972.19	\$204.67
McDonough	\$1,772.56	\$1,464.29	\$308.27
Freds	\$6,262.30	\$5,173.21	\$1,089.09
Sunset	\$792.90	\$655.01	\$137.89
Total	\$30,088.90	\$24,856.07	\$5,232.83

Hauler	November 2019		
	Amount Billed	Corrected Bill	Total Refund
Troy	\$2,464.90	\$2,184.14	\$280.78
Total	\$2,464.90	\$2,184.14	\$280.78

2019 JOINT VILLAGE TOWN SETTLEMENT as of 2/12/2020

Cat Descr	Account Descr	Adopted Budget	Revised Budget	YTD Amount as of 12/31/19	Balance Remaining	%YTD Budget	
TAXES	R 150-4100-4111 General Property Tax	218,484.00	218,484.00	218,484.00	0.00		Village Contribution
	R 150-4100-4347 State Fire Dues Program	0.00	0.00	0.00	0.00		
OTHER FINANCING SOURCES	R 150-4900-4910 Transfer from General Fund**	0.00	0.00	0.00	0.00		
	TOTAL FROM VILLAGE	218,484.00	218,484.00	218,484.00	0.00	100%	
INTERGOV T CHARGES FOR SERVICE	R 150-4700-4731 Fire/Ambulance Service to Town	218,484.00	218,484.00	218,484.00	0.00		Town Contribution
	R 150-4700-4347 State Fire Dues Program	0.00	0.00	0.00	0.00		
INTERGOV T CHARGES FOR SERVICE	R 150-4700-4733 Cash Flow Supplement from Town**	0.00	0.00	0.00	0.00		
	TOTAL FROM TOWN	218,484.00	218,484.00	218,484.00	0.00	100%	
INTERGOV T REVENUES	R 150-4300-4342 State Aid or Grant	0.00	0.00	3,385.84	(3,385.84)		Shared Revenue for Year End Settlement
INTERGOV T REVENUES	R 150-4300-4343 County Grant	0.00	0.00	0.00	0.00		
MISC REVENUE	R 150-4800-4370 Private Grants	0.00	0.00	0.00	0.00		
PUBLIC CHARGES FOR SERVICES	R 150-4600-4304 Treasurer s Fees	4,000.00	4,000.00	24.00	3,976.00	1%	
PUBLIC CHARGES FOR SERVICES	R 150-4600-4716 Paramedic Ride-Along Fee	50.00	50.00	0.00	50.00	0%	
PUBLIC SAFETY	R 150-4620-4320 Fire Dept Charges for Services	3,000.00	3,000.00	2,310.00	690.00	77%	
PUBLIC SAFETY	R 150-4620-4325 Ambulance County Collections	20,000.00	20,000.00	31,908.31	(11,908.31)	160%	
PUBLIC SAFETY	R 150-4620-4730 Ebix Ambulance Revenue	536,175.00	536,175.00	412,940.19	123,234.81	77%	
PUBLIC SAFETY	R 150-4620-4737 Ebix Fire Revenue	10,500.00	10,500.00	4,150.00	6,350.00	40%	
PUBLIC SAFETY	R 150-4620-4741 Ebix Interfacility ALS & BLS	327,051.00	327,051.00	343,490.88	(16,439.88)	105%	
PUBLIC SAFETY	R 150-4620-4742 Ebix Interfacility Critical Care	88,620.00	88,620.00	139,689.71	(51,069.71)	158%	
INTEREST REVENUE	R 150-4810-4871 Interest Revenue	700.00	700.00	1,771.41	(1,071.41)	253%	
MISC REVENUE	R 150-4800-4899 Misc Revenue	0.00	0.00	1,067.05	(1,067.05)		
COMMERCIAL REVENUE	R 150-4820-4880 Sale of Owned Property	0.00	0.00	9,650.00	(9,650.00)		
	Revenue to be Shared with the Town	990,096.00	990,096.00	950,387.39	39,708.61	96%	
INTERGOV T REVENUES	R 150-4300-4344 EMS Act102 Grant	6,000.00	6,000.00	6,403.85	(403.85)	107%	Shared when used
MISC REVENUE	R 150-4800-4890 Donations Received	0.00	0.00	5,710.00	(5,710.00)		
OTHER FINANCING SOURCES	R 150-4900-4920 Transfer from Other Funds	0.00	0.00	0.00	0.00		
OTHER FINANCING SOURCES	R 150-4900-4930 Fund Balance Applied	0.00	0.00	0.00	0.00		
	Designated Funds - Share with Town when used	6,000.00	6,000.00	12,113.85	(6,113.85)	202%	
TOTAL REVENUE GUIDELINE		1,433,064.00	1,433,064.00	1,399,469.24	33,594.76	98%	

	Account Descr	Adopted Budget	Revised Budget	YTD Amount as of 12/31/19	Balance Remaining	%YTD Budget
Regular Operating Expenditures	ADMINISTRATIVE & GENERAL	25,827.00	25,827.00	25,843.50	(16.50)	100%
	FIRE ADMINISTRATION	855,623.00	855,623.00	889,612.17	(33,989.17)	104%
	FIRE SUPPRESSION	67,798.00	67,798.00	53,686.05	14,111.95	79%
	FIRE TRAINING	44,631.00	44,631.00	27,452.69	17,178.31	62%
	AMBULANCE	349,915.00	349,915.00	365,326.86	(15,411.86)	104%
	AMBULANCE TRAINING	20,724.00	20,724.00	10,157.59	10,566.41	49%
	Critical Care Transport Expenses	0.00	0.00	0.00	0.00	
	Donated fund expenditure offset by sale of owned property			4,031.31		
	Capital Outlay Expenses	36,000.00	36,000.00	30,059.87	5,940.13	83%
	Total Operating Budget	1,400,518.00	1,400,518.00	1,406,170.04	(1,620.73)	100%
Designated Expenditures	ACT 102 or Designated Fund Expenses	0.00	0.00	4,013.78	(4,013.78)	
	Donated Fund Expenditures	0.00	0.00	1,320.23	(1,320.23)	
	Transfer to Town - YE Settlement	0.00	0.00	0.00	0.00	
	Transfer to Village Fire Dept Designated Acct YE Settlement	0.00	0.00	0.00	0.00	
	Transfer to Designated Fund Balance for Future Ambulance	32,546.00	32,546.00	0.00	32,546.00	0%
	E 150-5900-5925 Transfer to Designated Funds	0.00	0.00	0.00	0.00	
	Other Financing Uses	32,546.00	32,546.00	5,334.01	27,211.99	16%
Total Expenditure Budget		1,433,064.00	1,433,064.00	1,411,504.05	25,591.26	98%

2019 PRELIMINARY Settlement	Actual
Total Shared Revenues	950,387.39
Total Operating	(1,406,170.04)
	(455,782.65)
Town Contribution as of 12/31/19	218,484.00
Village Contribution as of 12/31/19	218,484.00
Revenue Excess (Shortfall):	(18,814.65)
Net effect of designated funds received/spent	
Designated Capital "Placeholder" for future Ambulance in Fund Balance	- Place in Fire Fund Reserve
	(18,814.65)
Revenue Excess (Shortfall):	(9,407.33) Due from Each Entity



Village of Mukwonago

AGENDA ITEM REQUEST FORM

Committee/Board:	Protective Services
Topic:	Sale of used equipment and apparatus
From:	Jeff Stien, Fire Chief
Department:	Fire Department
Presenter:	Jeff Stien
Date of Committee Action (if required):	02-17-2020
Date of Village Board Action (if required):	02-19-2020

Information

Subject:

Sale of used equipment and apparatus

Background Information/Rationale:

Utility vehicle 3481 (1990) - Auction
Engine 3461 (1991) - Auction
Air Compressor (Mako) – Fontana FD possible or auction \$5,000-\$6,000
SCOTT SCBA Harnesses – EBay or auction
LUCAS 2 for \$3500.00 to Big Bend FD

Key Issues for Consideration:

3481 is being replaced in 2020
3461 sell now to avoid costly repairs and annual maintenance and inspections- new Pumper-Tender to be delivered January 2021
SCOTT Harnesses have been replaced with new MSA G1 and cylinders in 2020
LUCAS 2 – replaced in 2020

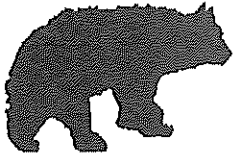
Fiscal Impact (If any):

None. This would be revenue

Requested Action by Committee/Board:

Recommendation to sell equipment as listed

Attachments



Village of Mukwonago

AGENDA ITEM REQUEST FORM

Committee/Board:	Protective Services
Topic:	Purchase of Ballistic Gear
From:	Jeff Stien, Fire Chief
Department:	Fire Department
Presenter:	Jeff Stien
Date of Committee Action (if required):	02-17-2020
Date of Village Board Action (if required):	02-19-2020

Information

Subject:

Purchase of Ballistic Gear

Background Information/Rationale:

Increasing occurrences of active assailants and need to have appropriate response equipment

Key Issues for Consideration:

Equipment quote is from the company WCSD, Wauwatosa FD and East Troy have used. Training will be developed with Village of Mukwonago PD

Fiscal Impact (If any):

Approved in 2020 Capital Budget

Requested Action by Committee/Board:

Recommendation to purchase equipment as listed

Attachments

- Estimate_190910_from_ADVANTAGE_POLICE_SUPPLY_INC

ADVANTAGE POLICE SUPPLY INC.

8362 O'Connells Resort Rd.

Winneconne, WI 54986

Price Quote

ADDRESS

Mukwonago Fire Department
1111 Fox St
Mukwonago, WI 53149
United States

SHIP TO

Mukwonago Fire
Department
1111 Fox St
Mukwonago, WI 53149
United States

PRICE QUOTE # 19-0910**DATE 09/10/2019****SALES REP**

Lapley

ACTIVITY	QTY	RATE	AMOUNT
APS:APS Cummerbund Plate Carrier- BLACK APS Cummerbund Plate Carrier- BLACK - Extendable Drag handle with head support strap allows extraction officer faster movement and a greater ability to cover their threat. - Highly adjustable external cummerbund with side pockets for hard or soft ballistics. - Front and rear panel will accept up to a large SAPI plate (10.25 x 13") with internal adjustment strap.	10	110.00	1,100.00
Buffalo Armor:Level III+ Shooter Cut 10 x 12 steel plate Level III+ Shooter Cut 10 x 12 steel plate 6.3 lbs. each • 13/64 or 5mm thickness • 10" x 12" • NIJ III 0101.06 Certified (P5mmSAN600) • 10 year warranty • Maximum durability • Multi-hit capability • Standard black color • Single curve	20	129.00	2,580.00
APS:PC Squad Bag APS Squad Armor Bag - Designed to ride in the passenger seat of a squad behind the officers duty bag allowing ready access to carrier and helmet. Size: 17" High x 14" Wide x 8" Deep Material 600 Denier padded Polyester 1.5" Poly Web Carrying handles and shoulder Strap Zipper Closure with Velcro flap Black in color	10	37.00	370.00
APS:ID 8 x 3	20	3.50	70.00

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Email: jewellaps@yahoo.com
Phone: 920-235-6003
Fax: 920-233-6952

ACTIVITY	QTY	RATE	AMOUNT
8 x 3" Screened id with Velcro hook back Black with red Lettering "MEDIC"			
REVISION:Helmet:Full cut:Helmet w/ MSS- Full Cut- Black- Large	10	365.00	3,650.00
Batlskin Viper A3 Helmet with MSS - Full Cut Large Black			
LTIIIA 6x8 panel	20	37.50	750.00
LTIIIA 6x8 ballistic panels			
CONDOR:MA64-002 Sidekick Pouch	10	16.95	169.50
Condor sidekick pouch - BLACK			

ATTENTION:

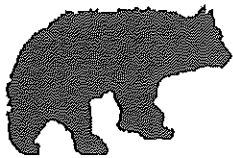
There will be a 3.2% convenience fee when paying with a credit card.

Please let us know if you have any questions or concerns. We look forward to working with you!

SUBTOTAL	8,689.50
SHIPPING	100.00
TOTAL	\$8,789.50

Accepted By

Accepted Date



Village of Mukwonago

AGENDA ITEM REQUEST FORM

Committee/Board:	Protective Services
Topic:	Purchase of 2020 Chevrolet Silverado 3500HD
From:	Jeff Stien, Fire Chief
Department:	Fire Department
Presenter:	Jeff Stien
Date of Committee Action (if required):	02-17-2020
Date of Village Board Action (if required):	02-19-2020

Information

Subject:

Purchase of 2020 Chevrolet Silverado 3500HD

Background Information/Rationale:

Replacement of 1990 utility pickup. Designed primarily for utility vehicle and option to add skid unit for secondary grass rig. K3500 requested due to weight capacity and towing of equipment.

Key Issues for Consideration:

Order cutoff date is March 1. Using Mukwonago Government Bid Assistance due to required options to be installed at factory. The difference is \$854.00 but will come with the Chevrolet warranty and wont void manufacture warranty. Vehicle costs- \$33,221.28. Remaining balance will be used towards aftermarket necessities- lighting, siren, decals and etc.

Fiscal Impact (If any):

Approved in 2020 Capital Budget

Requested Action by Committee/Board:

Recommendation to purchase equipment as listed

Attachments

- 2020 CHEVROLET SILVERADO 3500 Regular CAB 4WD



Vehicle: [Fleet] 2020 Chevrolet Silverado 3500HD (CK30903) 4WD Reg Cab 142" Work Truck (Complete)

Window Sticker

SUMMARY

[Fleet] 2020 Chevrolet Silverado 3500HD (CK30903) 4WD Reg Cab 142" Work Truck

MSRP:\$38,100.00

Interior:Jet Black, Vinyl seat trim

Exterior 1:Red Hot

Exterior 2:No color has been selected.

Engine, 6.6L V8 with Direct Injection and Variable Valve Timing, gasoline

Transmission, 6-speed automatic, heavy-duty

OPTIONS

CODE	MODEL	MSRP
CK30903	[Fleet] 2020 Chevrolet Silverado 3500HD (CK30903) 4WD Reg Cab 142" Work Truck	\$38,100.00
OPTIONS		
1WT	Work Truck Preferred Equipment Group	\$0.00
8S3	Backup alarm, 97 decibels	\$138.00
9L7	Upfitter switch kit, (5)	\$150.00
A52	Seats, front 40/20/40 split-bench (no storage)	\$0.00
AED	Window, power front, passenger express down	Inc.
AQQ	Remote Keyless Entry	Inc.
AU3	Door locks, power	Inc.
AXG	Window, power front, drivers express up/down	Inc.
DBG	Mirrors, outside power-adjustable vertical trailing with heated upper glass	Inc.
E63	Durabed, pickup bed	\$0.00
FE9	Emissions, Federal requirements	\$0.00
G7C	Red Hot	\$0.00
GT4	Rear axle, 3.73 ratio	\$0.00
H2G	Jet Black, Vinyl seat trim	\$0.00
IOR	Audio system, Chevrolet Infotainment 3 system, 7" diagonal color touchscreen, AM/FM stereo.	\$0.00
JFN	GVWR, 11,100 lbs. (5035 kg) with single rear wheels	Inc.

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Data Version: 10301. Data Updated: Feb 10, 2020 10:26:00 PM PST.



Vehicle: [Fleet] 2020 Chevrolet Silverado 3500HD (CK30903) 4WD Reg Cab 142" Work Truck (Complete)

JL1	Trailer brake controller, integrated		\$275.00
K34	Cruise control, electronic	Inc.	
K4B	Battery, auxiliary, 730 cold-cranking amps/70 Amp-hr		\$135.00
KW5	Alternator, 220 amps	Inc.	
L8T	Engine, 6.6L V8 with Direct Injection and Variable Valve Timing, gasoline		\$0.00
MYD	Transmission, 6-speed automatic, heavy-duty		\$0.00
NQH	Transfer case, two-speed active		\$200.00
NZZ	Skid Plates	Inc.	
PYT	Wheels, 18" (45.7 cm) painted steel		\$0.00
QF6	Tires, LT275/70R18E all-terrain, blackwall		\$0.00
QT5	Tailgate, gate function manual with EZ Lift	Inc.	
SRW	Single Rear Wheels		\$0.00
VYU	Snow Plow Prep Package		\$300.00
ZLQ	WT Fleet Convenience Package		\$1,400.00
ZYG	Tire, spare LT275/70R18 all-terrain, blackwall		\$0.00
SUBTOTAL			\$40,698.00
Adjustments Total			\$0.00
Destination Charge			\$1,595.00
TOTAL PRICE			\$42,293.00

FUEL ECONOMY

Est City:N/A

Est Highway:N/A

Est Highway Cruising Range:N/A

* BID PRICE *

\$ 32601.78

+ 450.00

LINE - X
Registration Fees } PLATES + 5.00
Title + 164.50

\$ 33221.28

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Data Version: 10301. Data Updated: Feb 10, 2020 10:26:00 PM PST.

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**An Agreement to Provide Paramedic Intercept Services
between the
Village and Town of Mukwonago
and the
Elkhorn Area Fire Department**

WHEREAS this Agreement is made on January 11, 2020 by and between the Village of Mukwonago and the Town of Mukwonago, which jointly operate the Mukwonago Fire Department, and the Elkhorn Area Fire Department and,

WHEREAS the Mukwonago Fire Department maintains paramedic intercept services and is able and willing to render paramedic intercept services outside of its corporate limits upon reasonable terms, and,

WHEREAS the Elkhorn Area Fire Department is located outside the corporate limits of the Village and Town of Mukwonago and desires to have the Mukwonago Fire Department provide paramedic intercept services from the Mukwonago Fire Department and is willing to compensate the Mukwonago Fire Department for such services,

NOW, THEREFORE, it is agreed between the parties as follows:

1. The Mukwonago Fire Department will furnish paramedic intercept services to the service areas covered by the Elkhorn Area Fire Department.
2. The Mukwonago Fire Department agrees to respond to the scene of the incident with one (1) paramedic and a support vehicle, or to intercept the Elkhorn Area Fire Department en route to the hospital with one (1) paramedic and a support vehicle, and to render such paramedic services as may be required. The Elkhorn Area Fire Department shall conduct the transport of the patient to the hospital. The Mukwonago Fire Department may respond with an ambulance if the support vehicle is unavailable or out of service. The paramedic will assist and supplement the EMTs provided by the Elkhorn Area Fire Department.
3. The geographic area of the Elkhorn Area Fire Department intended for paramedic response by this Agreement includes the entire Elkhorn Area Fire Department response area, as depicted on the map attached to this Agreement and marked as Appendix A.
4. The Elkhorn Area Fire Department recognizes the right and responsibility of the Mukwonago Fire Department to independently assess, upon receipt of a request for paramedic intercept service from the Elkhorn Area Fire Department, whether it is able to dispatch its paramedic as requested. This reservation notwithstanding, the Mukwonago Fire Department will make every effort to respond to each call for service from the Elkhorn Area Fire Department efficiently and effectively. In the event the Mukwonago Fire Department is unable to dispatch a paramedic as requested, the Mukwonago Fire Department will immediately convey its inability to respond to the Elkhorn Area Fire Department.
5. The Elkhorn Area Fire Department agrees to pay the Mukwonago Fire Department as follows:

- a. To pay the Mukwonago Fire Department for each patient treated under this Agreement by the Mukwonago Fire Department.¹ Elkhorn Area Fire Department shall pay its patient fees within 30 days of receipt of the monthly invoice from the Mukwonago Fire Department billing service. The Mukwonago Fire Department shall not charge a fee if the request for paramedic service is canceled or treatment is not rendered by the Mukwonago Fire Department paramedic. It is understood the Elkhorn Area Fire Department, and its respective EMS billing vendor, may bill the patient for the purpose of recovering any costs incurred.
6. The Mukwonago Fire Department and the Elkhorn Area Fire Department agree to be responsible for the acts, errors and omissions of their respective employees while responding to, operating at or returning from an intercept incident. Each party hereby indemnifies and holds the other party harmless for any claim for damages arising out of the acts, errors or omissions of the indemnifying parties' employees.
7. RISK ALLOCATION
 - a. Immunity. All parties (members) to this agreement are governmental entities entitled to governmental immunity under law, including §§893.80, Wis. Stats. Nothing contained herein shall waive the rights and defenses to which each party may be entitled under law, including all of the immunities, limitations and defenses under §§893.80, Wis. Stats. (2005-2006), or any subsequent amendments thereof.
 - b. Members Responsible for Own Actions. Each party shall bear the risk of its own actions, as it does with its day-to-day operations.
 - c. Employee Claims. The employees of a Responding or Requesting party shall be covered by his or her employing organization for purposes of worker's compensation, unemployment insurance, and benefits under Ch. 40, Wis. Stats., regardless of whether their Member employer is a Responding or Requesting Member.
 - d. Insurance. All parties shall maintain an insurance policy or maintain a self-insurance program that covers activities that it may undertake by virtue of membership in WisWARN.
 - e. Survival of Obligations. The obligations set forth in this Article VII shall survive the termination or expiration of this Agreement.
8. This Agreement may be amended by written mutual agreement of the parties.
9. The term of this Agreement shall be on-going, except the Agreement: 1) shall be reviewed every three (3) years by all participating parties, and 2) may be terminated at any time with 120 days written notice by any of the parties that have entered into this Agreement (Village of Mukwonago, Town of Mukwonago, Elkhorn Area Fire Department).
10. All notices, requests, demands and other communications provided for herein or made hereunder shall be in writing, be personally delivered or mailed by Certified Mail, return

¹ The 2020 charge for out-of-district paramedic intercept calls is \$500.00. This charge is reviewed annually and may be adjusted pursuant to Medicare/Medicaid regulations and guidelines.

receipt requested, postage prepaid, or by a recognized overnight carrier which provides proof of receipt and will be addressed to the address below. Each party may change the address to which notices are sent by sending written notice of such change of address to the other party. All notices shall also be provided in writing to the Chief of the Mukwonago Fire Department and to the Chief of the Elkhorn Area Fire Department.

Town of Mukwonago	Village of Mukwonago	Elkhorn Area Fire Department	
Attention: Town Clerk	Attention: Village Clerk	Attention: Chief	
W320 S8315 Beulah Rd	440 River Crest Ct	13 S. Broad St.	
Mukwonago, WI 53149	Mukwonago, WI 53149	Elkhorn, WI 53121	

IN EXECUTION THEREOF, representatives of the constituent municipalities and District have signed as follows:

For the Town of Mukwonago

By: _____
Peter Topczewski, Chairperson
Town of Mukwonago

Attest: _____
Kathy Karalewitz, Administrator
Town of Mukwonago

Dated this ____ day of _____, 2020

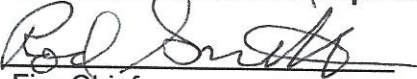
For the Village of Mukwonago

By: _____
Fred Winchowky, President
Village of Mukwonago

Attest: _____
Diana Dykstra, Clerk-Treasurer
Village of Mukwonago

Dated this ____ day of _____, 2020

For the Elkhorn Area Fire Department

By: 
Fire Chief

Attest: _____

Dated this 3rd day of February, 2020

Elle mukwonago

Runs by City

Scene Incident City Name (eScene.17)	Number of Runs	Percent of Total Runs
Village of Mukwonago	130	75.58%
East Troy	16	9.30%
Town of Mukwonago	14	8.14%
Village of North Prairie	4	2.33%
Big Bend	3	1.74%
Eagle	3	1.74%
	1	0.58%
Palmyra	1	0.58%
	Total: 172	Total: 100.00%

Report Filters

Incident Date. is between '01/01/2020' and '01/31/2020'

Runs by Destination Name

Disposition Destination Name Delivered Transferred To (eDisposition.01)	Disposition Destination Code Delivered Transferred To (eDisposition.02)	Number of Runs	Percent of Total Runs
		23	13.37%
Aurora Lakeland Medical Center	132	1	0.58%
Aurora Medical Center - Summit	316	3	1.74%
Aurora Mem Hosp of Burlington	14	1	0.58%
Children's Hospital of Wisconsin (CHOW)	135	2	1.16%
Columbia St Mary's - Milwaukee	53	1	0.58%
Froedtert Memorial Lutheran Hospital	232	7	4.07%
Mooreland Reserve Health Center	233	1	0.58%
Not Transported	6024	11	6.40%
Oconomowoc Memorial Hospital	113	1	0.58%
St. Lukes Medical Center	160	1	0.58%
VA Milwaukee (Clement J Zablocki Veterans Affairs)	125503	2	1.16%
Waukesha Memorial Hospital	41	93	54.07%
Waukesha Memorial Outpatient Center	42	24	13.95%
WHEATON FRANCISCAN HEALTHCARE-ELMBROOK	262	1	0.58%
		Total: 172	Total: 100.00%

Report Filters

Incident Date: Is between '01/01/2020' and '01/31/2020'

Runs by Primary Role of Unit

Response Primary Role Of Unit (eResponse.07)	Number of Runs	Percent of Total Runs
ALS Ground Transport	87	50.58%
BLS Ground Transport	33	19.19%
Critical Care Ground Transport	29	16.86%
Non-Transport	23	13.37%
	Total: 172	Total: 100.00%

Report Filters

Incident Date: is between '01/01/2020' and '01/31/2020'

Incident Type Report (Summary)

Basic Incident Type Code And Description (FD1.21)	Total Incidents	Total Incidents Percent of Incidents	Total Property Loss	Total Content Loss	Total Loss	Total Loss Percent of Total
Incident Type Category (FD1.21): 1 - Fire						
111 - Building fire	1	5.00%				
131 - Passenger vehicle fire	1	5.00%	2,000.00	0.00	2,000.00	100.00%
Total: 2		Total: 10.00%	Total: 2,000.00	Total: 0.00	Total: 2,000.00	Total: 100.00%
Incident Type Category (FD1.21): 3 - Rescue & Emergency Medical Service Incident						
311 - Medical assist, assist EMS crew	2	10.00%				
322 - Motor vehicle accident with injuries	2	10.00%				
324 - Motor vehicle accident with no injuries.	2	10.00%				
Total: 6		Total: 30.00%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
Incident Type Category (FD1.21): 4 - Hazardous Condition (No Fire)						
412 - Gas leak (natural gas or LPG)	2	10.00%				
424 - Carbon monoxide incident	1	5.00%				
445 - Arcing, shorted electrical equipment	1	5.00%				
Total: 4		Total: 20.00%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
Incident Type Category (FD1.21): 5 - Service Call						
551 - Assist police or other governmental agency	1	5.00%				
554 - Assist invalid	1	5.00%				
555 - Defective elevator, no occupants	1	5.00%				
571 - Cover assignment, standby, moveup	1	5.00%				
Total: 4		Total: 20.00%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
Incident Type Category (FD1.21): 6 - Good Intent Call						
611 - Dispatched and cancelled en route	1	5.00%				
652 - Steam, vapor, fog or dust thought to be smoke	1	5.00%				
Total: 2		Total: 10.00%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
Incident Type Category (FD1.21): 7 - False Alarm & False Call						
736 - CO detector activation due to malfunction	1	5.00%				
744 - Detector activation, no fire - unintentional	1	5.00%				
Total: 2		Total: 10.00%	Total: 0.00	Total: 0.00	Total: 0.00	Total: 0.00%
Total: 20		Total: 100.00%	Total: 2,000.00	Total: 0.00	Total: 2,000.00	Total: 100.00%

02/06/2020		Intercept Report		Page: 1	
CAITLIN		VILLAGE OF MUKWONAGO			
MFDINTER2		Posting Dates: 01/01/2020 - 01/31/2020			
Financial Class		Charges		Payments	
EAGLE FIRE DEPT		Encounters	Procedures	Adjustments	Proc/Enc
EAST TROY EMS		0	0	.00	.00
PALMYRA FIRE DISTRICT		10	9	.00	.90
		0	0	.00	.00
				4,500.00	450.00
Report Total		10	9	4,500.00	450.00
				9,405.00	

02/06/2020
 User: CAITLIN
 Qry: MPDINTERF2
 Type Procedures
 Interfacility Summary
 Posting Dates: 01/01/2020 - 01/31/2020
 Procedures

		Charges	Minutes	Payments	Adjustments
DNG	A0382	BASIC SUPPORT ROUTINE SUPPLIES	17	86.46	
DNG	A0392	ALS DEFIBRILLATION SUPPLIES	6	660.00	2.53
DNG	A0394	ALS IV DRUG THERAPY SUPPLIES	1	4.09	12.60
DNG	A0398	ALS ROUTINE DISPOSABLE SUPPLIES	38	2,688.94	.00
DNG	A0422	AMBUANCE 02 LIFE SUSTAINING	52	1,103.96	28.30
DNG	A0425	GROUND MILEAGE	922	7,027.60	9.79
DNG	A0427	ALS-EMERGENCY INTERFACILITY	12	305.00	132.62
DNG	A0429	BLS-EMERGENCY DNG	1	1,300.00	.00
DNG	A0433	ALS 2 RESIDENT	27	6,571.44	.00
DNG	A0434	CRITICAL CARE DNG	18	11,703.93	224.67
DNG	J7030	NORMAL SALINE SOLUTION INFUS	14	10,391.84	109.24
DNG	93005	ELECTROCARDIOGRAM, TRACING	1	5.35	19.00
DNG	94760	NONINVASIVE EAR OR PULSE OXIMETRY	1	.00	694.74
DNG	TOTAL		1,119	41,955.42	1,235.45
Other	A0380	BLS - BASIC LIFE SUPPORT MILEAGE	24	602.50	.00
Other	A0382	BASIC SUPPORT ROUTINE SUPPLIES	1	12.19	.00
Other	A0390	ALS - ADVANCED LIFE SUPPORT MILEAGE	50	796.59	.00
Other	A0392	ALS DEFIBRILLATION SUPPLIES	0	.00	.00
Other	A0394	ALS IV DRUG THERAPY SUPPLIES	0	.00	.00
Other	A0398	ALS ROUTINE DISPOSABLE SUPPLIES	0	.00	.00
Other	A0422	AMBUANCE 02 LIFE SUSTAINING	3	34.59	.00
Other	A0425	GROUND MILEAGE	2	27.27	.00
Other	A0427	ALS-EMERGENCY INTERFACILITY	0	.00	.00
Other	A0429	BLS-EMERGENCY INTERFACILITY	1	2,600.00	.00
Other	TOTAL		83	5,273.14	.00
TOTAL			1,202	47,228.56	1,235.45

edix, Inc.

02/06/2020
User: CARLIN
QTY: MFDALSLA
Year Run Category

VILLAGE OF MUKMONAGO
Five Year Run Summary

Page: 1

2020 DNG	Run Type	Qty	Charges	Amount Paid	Amount Adjusted	Balance
Intercept	Intercept Subtotal	14	7,000.00	.00	.00	7,000.00
Interfacility	ALS1 BLS CRIT CARE Subtotal	4 1 1 6	5,200.00 1,200.00 1,800.00 8,200.00	.00 .00 .00 .00	.00 .00 .00 .00	5,200.00 1,200.00 1,800.00 8,200.00
Non-Resident	ALS1 BLS Subtotal	23 2 25	9,700.00 2,100.00 11,800.00	.00 .00 .00	.00 .00 .00	9,700.00 2,100.00 11,800.00
Non-Transport	BLS Non-Transpo Lift Assist Subtotal	1 5 6	125.00 625.00 750.00	.00 .00 .00	.00 .00 .00	125.00 625.00 750.00
Resident	ALS1 ALS2 BLS Subtotal	34 1 18 53	36,625.00 1,200.00 14,925.00 52,750.00	845.00- .00 1,460.99- 2,305.99-	2,232.67- .00 687.59- 2,920.26-	33,547.33 1,200.00 12,776.42 47,523.75
	TOTAL	163	110,023.68	3,446.41-	2,943.53-	103,633.74
2019 DNG	ALS1 ALS2 BLS CRIT CARE Subtotal	341 1 178 194 714	147,364.53 950.00 64,777.78 143,257.16 356,349.45	143,408.41- 931.00- 63,481.95- 139,683.10- 347,504.46-	2,920.40- 19.00- 1,258.11- 2,834.84- 7,072.35-	1,035.72 .00 2,30- 739.22 1,772.64

edix, Inc.

*VILLAGE OF MUKWONAGO
POLICE DEPARTMENT*



MONTHLY REPORT

January 2020

Citation Totals by Offense

All Departments

Violation Date: 01/01/2020 through 01/31/2020

Court	Agency	Offense Code	Offense Description	Total
MKPD				
	Adult			
		346.14(1m)	Automobile Following Too Closely	1
		346.78	Bike Rules-Ride Play Vehicles On Roadway	1
		341.15(1m)(a)	Fail/Attach Rear Regis. Decal/Tag	1
		341.15(1)	Fail/Display Vehicle License Plates	3
		343.22(1)	Fail/Notify Address/Name Change	1
		343.22(3)	Fail/Notify/Name Change	1
		346.04(2)	Fail/Obey Traffic Officer-Work Area	1
		346.46(1)	Fail/Stop At Stop Sign	1
		346.57(2)	Failure To Keep Vehicle Under Control	1
		346.68	Hit And Run-Unattended Vehicle	1
		346.31(2)	Improper Right Turn	1
		346.89(1)	Inattentive Driving	2
		341.04(1)	Non-Registration Of Auto, Etc	26
		341.03(1)	Operate After Rev/Susp Of Registration	6
		344.62(1)	Operate Motor Vehicle W/O Insurance	22
		347.14(1)	Operate Vehicle W/O Stopping Lights	4
		343.18(1)	Operate W/O Carrying License	2
		343.05(3)(a)	Operate W/O Valid License	3
		343.44(1)(a)	Operating After Suspension	7
		346.05(1)	Operating Left Of Center Line	1
		346.63(1)(a)	Operating While Intox.	1
		58-31(A)	Park And Playground Hours (Open 9a-9p)	1
		961.573(1)	Possess Drug Paraphernalia	1
		54-103	Possession of Cigarette by Minor	1
		961.41(3g)(b)	Possession of Controlled Substance	4
		346.62(2)	Reckless Driving-Endanger Safety	1
		943.50(1m)(b)	Retail Theft-Intentionally Take(<=\$2500)	2
		346.57(4)(gm)2	Speeding on Freeway	27
		346.57(5)	Speeding Zone And Posted Limits	36
		346.94(11)	Towing Occupied Sled/Bicycle On Hwy	1
		347.06(3)	Unclean/Defective Lights Or Reflectors	25
		14-27(11)	Unlicensed Dog	1
		347.48(2m)(b)	Vehicle Operator Fail/Wear Seat Belt	3
		346.37(1)(c)1	Violate Red Traffic Signal	3
		346.37(1)(b)	Violate Yellow Signal	1
Adult Grand Total				194

Citation Totals by Offense

All Departments

Violation Date: 01/01/2020 through 01/31/2020

Court	Agency	Offense Code	Offense Description	Total
MKPD				
	Juvenile			
		82-2	Display Of Power	1
		54-103	Possession of Cigarette by Minor	1
		961.41(3g)(b)	Possession of Controlled Substance	1
			Juvenile Grand Total	3

Mukwonago Police Department
Tickets Totals (by Violation)

02/05/2020 9:20AM

Page: 1

Issue Date: 01/01/2020 through 01/31/2020

Violation Description	Violation Code	Area	Total
Fire Lane Violation	82-194		1
		By Violation:	1
Handicapped Parking Violation	82-180		4
		By Violation:	4
Mhs - Park W/O Permit	82-212		11
		By Violation:	11
Park 24hr - Abandoned	82-1(K)		3
		By Violation:	3
Park Less Than 10' - Hydrant	82-1(C)		1
		By Violation:	1
Park Less Than 15' - Crosswalk	82-1(D)		2
		By Violation:	2
Park More Than 12" From Curb	82-1(B)		1
		By Violation:	1
Park No Parking Anytime	82-192		1
		By Violation:	1
Park On Wrong Side - Winter	82-227		33
		By Violation:	33
Park Time Zone 1hr/2hr	82-1(E)		1
		By Violation:	1
Park W/O Permit - Winter	82-226		102

Mukwonago Police Department
Tickets Totals (by Violation)

Issue Date: 01/01/2020 through 01/31/2020

Violation Description	Violation Code	Area	Total
		By Violation:	102
Restrictions: Winter/Sth 83/Etc	82-191		1
		By Violation:	1
		Total Tickets:	161



Monthly Case Overview Report

Printed On: 02/05/20 09:26

Reporting Period: 01/01/2020 - 01/31/2020

Village of Mukwonago Police - 1122

	Total
	39
Administrative/Informational	9
Animal Complaints-Bite	2
Disorderly Conduct	1
DOA - Sudden Death, Etc.	1
Enticement of Minor for Indece	1
Hit and Run	2
Juvenile Possession of Tobacco	1
Marijuana-Possession	2
Miscellaneous Information	1
Narcotic Equip-Possession	1
OWI/DWI-Liquor	1
Possess Forged	2
Public Order Crimes	2
Retail Theft <\$50	2
Sex Asslt	1
Simple Assault	3
Station Contact	1
Theft - All	1
Traffic Offense/Traffic Other	1
Traffic Stop	2
Trespassing	1
Vehicle in the Ditch	1



Arrests by Statute Report

Printed On: 02/05/20 09:26

Reporting Period: 01/03/20 - 01/30/20

This report contains all arrest charges.

	Total	Felony	Misdemeanor	Non-Criminal
14-28(3) - Barking Dog	1			1
346.63(1)(a) - Operating While Intoxicated - 1st Offense	1			1
54-1(1) - Retail Theft (Shoplifting)	3			3
54-1(V) - Possession of a Controlled Substance	3			3
54-1(V1) - Possession of Drug Paraphernalia	1			1
54-1(Y) - Criminal Trespass to a Dwelling	1			1
54-103 - Possession of Cigarettes/Tobacco by a Minor	1			1
940.19(1) - Battery	3		3	
940.235 - Strangulation and Suffocation	1	1		
943.38(2) - Forgery-Uttering	3	3		
943.41(3)(a) - Credit Card-Theft by Acquisition	1		1	
943.41(4)(a) - Credit Card-Forgery (Alteration, etc.)	1	1		
948.093 - Underage Sexual Activity	1		1	
FUGF - Fugitive Warrant - Federal	1		1	
FUGM - Fugitive Warrant Other Municipal	1			1
Total	23	5	6	12



Traffic Crash List

Printed On: 02/05/20 09:27

Village of Mukwonago Police							
Date Time	Case#	Crash#	Officer	Total Units	Total Injured	Total Killed	Crash Type
01/28/2020 06:30		20-000017	Zajichek, Taylor-tzaj36	2	0	0	C
01/31/2020 15:01		20-000016	Wilson, Chet F-cwil47	2	1	0	C
01/26/2020 08:58		20-000015	Wilson, Chet F-cwil47	2	0	0	C
01/25/2020 22:11		20-000014	Rogers, Richard J-rrog49	2	0	0	C
01/24/2020 19:10		20-000013	DeMotto, Christopher-cdem46	1	0	0	C
01/26/2020 12:02		20-000012	Wilson, Chet F-cwil47	2	0	0	C
01/21/2020 08:21	20-004231	20-000011	Wilson, Chet F-cwil47	2	0	0	C
01/24/2020 23:47		20-000010	Pinkowski, Shaun-spin42	2	0	0	C
01/23/2020 14:54		20-000009	Schubel, John-jsch48	2	0	0	C
01/17/2020 00:00		20-000008	Pinkowski, Shaun-spin42	1	0	0	C
01/18/2020 17:27		20-000007	Kubiak, Michael L-mkub41	1	0	0	C
01/18/2020 16:09		20-000006	Kubiak, Michael L-mkub41	2	0	0	C
01/18/2020 08:39	20-003554	20-000005	Schubel, John-jsch48	1	0	0	C
01/15/2020 00:00		20-000004	Kirkpatrick, Cory-ckir37	2	0	0	C
01/11/2020 09:15		20-000003	Kirkpatrick, Cory-ckir37	1	0	0	C
01/07/2020 17:30		20-000002	Rogers, Richard J-rrog49	2	0	0	C
01/03/2020 11:34		20-000001	Kreiser, Robert S-rkre39	2	1	0	C
Village of Mukwonago Police				29	2	0	

17

Police Contacts - Village

First Shift	2190
Second Shift	1576
Third Shift	655
911 Calls	112
TOTAL CALLS	4533

Eagle Lake Patrol

Stops/All Calls	0
-----------------	---

Police Contacts - Town

First Shift	413
Second Shift	1026
Third Shift	803
911 Calls	44
TOTAL CALLS	2286

Phantom Lake Patrol

Stops/All Calls	0
-----------------	---

Mukwonago Fire Department

All Calls for Service	239
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<u>TOTAL CONTACTS</u>	7058
------------------------------	-------------

FLEET MILES AND GAS USAGE

	<u>24</u> <u>18 Ford</u>	<u>26</u> <u>10 Ford</u>	<u>28</u> <u>16 Ford</u>	<u>30</u> <u>19 Ford</u>	<u>32</u> <u>18 Ford</u>	<u>33</u> <u>19 Chev</u>	<u>34</u> <u>17 Ford</u>	<u>36</u> <u>16 Ford</u>	<u>38</u> <u>19 Ford</u>
Speed End	46210	79821	21183	14832	72984	3589	113540	76622	26519
Speed Beg	45184	79649	21183	10591	72750	3167	113462	75578	21841
Total Miles	1026	178	0	4241	234	422	78	1044	4678
Total Gas	85	30	12	308	25	47	15	93	354

Respectfully Submitted,

Chief Kevin Schmidt
Village of Mukwongo Police Department

**HIPPENMEYER, REILLY, BLUM,
SCHMITZER, FABIAN & ENGLISH S.C.**

MARK G. BLUM
THOMAS G. SCHMITZER
LORI J. FABIAN
RONALD E. ENGLISH III
MATTHEW R. GRALINSKI

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RICHARD S. HIPPENMEYER
(1911-1979)

WILLIAM F. REILLY
(1932-2007)

EMAIL: MGRALINSKI@HRBLAWFIRM.COM

January 29, 2020

Via Email (ddykstra@villageofmukwonago.com)

Ms. Diana Dykstra
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

Via Email (jweidl@villageofMukwonago.com)

Mr. John Weidl
Village of Mukwonago
440 River Crest Court
Mukwonago, WI 53149

Re: Comments on Proposed Cooperative Boundary Agreement

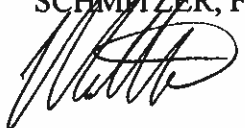
Dear Diana and John:

As you know, a proposed cooperative boundary agreement between the Town of Vernon and the Town of Waukesha has been submitted to the Wisconsin Department of Administration for review. Our office was asked by the Village to review this plan and draft some comments and objections to the plan. Please find attached a number of written objections and comments to this proposed plan that we have compiled in the form of a letter to the Department's Municipal Boundary Review. The Village, as an interested party in the Waukesha-Vernon Boundary Agreement, would submit these written comments. For your information, the Department of Administration has scheduled a public hearing on the plan to be held on February 13, 2020 at the Town of Waukesha Town Hall. However, the notice and agenda for that public hearing provides that written comments may also be submitted to the Department either prior to that public hearing or until Monday, February 24, 2020.

In any event, please review the above and attached and let us know if you have any questions or concerns. Thank you for your attention to this matter.

Sincerely,

HIPPENMEYER, REILLY, BLUM,
SCHMITZER, FABIAN & ENGLISH, S.C.


Matthew R. Gralinski

MRG/kr
Att.

Cc. Attorney Mark G. Blum (via Email only)

Municipal Boundary Review Program
Division of Intergovernmental Relations
Department of Administration
Attn: Erich Schmidtke
P.O. Box 1645
Madison, WI 53702

Re: Village of Mukwonago's Comments to Proposed Town of Vernon-Town of Waukesha
Boundary Plan

Dear Mr. Schmidtke:

It is our understanding that, per Wisconsin Statute Section 66.0307(5)(b), a public hearing has been requested on the proposed Town of Waukesha-Town of Vernon Cooperative Boundary Plan. According to the notice and agenda provided by the Department, that public hearing will be held February 13, 2020. The notice also provides that interested parties may present written comments on the Plan by submitting them to the Department prior to the public hearing or within ten (10) days following the hearing. The Village of Mukwonago has now had an opportunity to review the proposed Plan and offers the following comments and objections. The Village of Mukwonago appreciates the opportunity to offer these comments and would appreciate the Department's full consideration of them as part of their statutory review process.

In sum, the Village of Mukwonago has serious concerns with the proposed Boundary Plan. Its vague terms and lack of concrete rationale or purpose make it highly unlikely that the Plan can withstand the scrutiny required in Wis. Stats. §66.0307(5)(c).

After reviewing the supposed purposes provided in Section 3 of the proposed Plan, it is still unclear what the predominant purpose of this Plan is and what it is meant to accomplish. The stated purpose offers a number of declarations and platitudes promising "an environment of cooperation" and "effective and efficient planning," but fails to adequately describe how the Plan would accomplish those goals. Moreover, as the Plan apparently does nothing more than maintain the status quo relationship between two Towns, it is unclear from Section 3 what this Plan actually accomplishes or why it is required at this juncture. If the Plan is to be believed, Vernon and Waukesha already enjoy a cooperative relationship through shared municipal services and shared planning. As both parties are Towns, there is not currently a mechanism for either party to annex or otherwise take territory from the other. The only way they may adjust their borders is by mutual agreement. Of course, the Plan speaks of hypotheticals if one of the parties should incorporate or if state statutes suddenly change to allow Towns to annex, but neither of those scenarios are reality. The Plan does not sufficiently describe why it is needed at this time. It makes several promises about cooperation and efficiency, but fails to either (a) describe how efficiency and cooperation will be achieved or (b) describe why this Plan offers additional efficiencies or cooperation over the status quo. Thus, it is unclear whether this Plan

genuinely guides or accomplishes a “coordinated, adjusted, and harmonious development” of Plan territory, as required by Wis. Stats. §66.0307(3)(b).

As both parties are towns, both are constrained by county planning requirements as well as county shoreland, wetland, and floodplain zoning restrictions. Despite these constraints, Waukesha County is not included in either the drafting or implementation of this proposed plan. Waukesha County’s role in planning and zoning in unincorporated land is not addressed in the Plan’s content. The Plan’s impact on shoreland, floodplain, and wetland zoning is not addressed. The submitted record contains no comments from Waukesha County, who will presumably play an outsized role in implementing the terms of this plan. The parties do not adequately explain how they hope to implement key portions of the Plan which necessarily implicate county planning and zoning authority.

Next, the proposed Plan provides merely for the continued sharing of services that the parties already share. In Section 3, the Plan claims continued sharing will “continue and increase governmental efficiency.” Again, in Section 6, the Plan provides that the parties will continue to provide and deliver services “on the same schedule” as currently provided. The Plan also vaguely provides that, despite this promise that services will be provided at current levels, there are still “possibilities that the level of services can be modified in the future.” However, the Plan does not elaborate on what those potential modifications will look like. Section 7 G. states the Plan allows for “additional alternatives for services,” but it is unclear where the Plan allows for such alternatives or in what cases alternatives to the status quo may be required. In reviewing these Plan sections, it is clear that the Plan simply maintains services at current levels. However, it is unclear why a Boundary Agreement is needed to maintain these shared services. If the parties wish to continue to share services and provide services to these areas as they have done in the past, they are free to do so. Nothing requires them to enter into a Boundary Agreement to do that. Further explanation is needed on why this Plan is needed to maintain these municipal services.

Additionally, Wis. Stats. §66.0307(3)(d) requires a boundary plan “describe the services to be provided to the territory covered by the plan [and] identify the providers of those services” and further requires a statement explaining how provision of necessary municipal services is adequate. The proposed Plan fails to meet this requirement. Section 6 of the Plan only offers the conclusory statement that “residents and property owners of both Vernon and Waukesha are generally satisfied with the level of services currently provided and thus the services provided are adequate.” Section 7 D. merely repeats this conclusory statement. The Plan provides no data or information to support these statements. Merely stating that services are adequate does not make them so. Meanwhile, at other points in the Plan, the parties appear to substitute a determination of whether services are “adequate” (as the statute requires) with promises that the Plan will lead to greater “governmental efficiency” and “elimination of duplicative or unnecessary expenditures.” See Section 6 B. Nowhere does the Plan describe what supposed inefficiencies currently exist that necessitate this Boundary Plan or how efficiencies would be created. If anything, it seems that the proposed Shared Services Committee created under the Plan would lead to greater inefficiencies. The Plan does not explain why adding another layer of bureaucracy to the current shared services framework, in the form of a committee who can only offer non-binding, advisory (but mandatory) opinions, would lead to greater efficiency in

planning for the delivery of services. The Plan fails to describe why the delivery of municipal services to the proposed plan territory is adequate. It fails to explain why any change to the parties' current shared service arrangement is needed. Finally, it fails to explain why a Boundary Agreement must be the agent for any such change.

Further, neither party, as a Town, has the ability or the capacity to offer core utility service to its residents, including water or sewer. Planning for water and sewer extension is a keystone of planning for future development, yet the proposed Plan is silent on this issue. Frankly, the Plan does not address water and sewer because the parties are unable to address it. However, failure to address these core services leads to an incomplete plan, falling short of the requirements in §66.0307(3)(d). Moreover, a plan which fails to at least address a cornerstone of development planning cannot truly lead to "coordinated, adjusted, and harmonious development." Further explanation of this issue, outside of the possibility that the parties can simply revisit the issue once one or both incorporates, is required.

Wis. Stats. §66.0307 requires a proposed Boundary Plan maintain consistency with the parties' comprehensive plans. Merely providing a conclusory statement that a plan is "consistent with the comprehensive plan" or excerpting snippets of a comprehensive plan will not be sufficient. Yet, that is what Waukesha and Vernon attempt to do here. Section 5 provides that maintaining the historical common border is indeed consistent with the comprehensive plan but does not indicate how or why such an action is consistent. The parties include the comprehensive plan as an exhibit to the proposed boundary plan. They also include a letter from their shared planner which claims to evidence specific ways in which the Boundary Plan is consistent with the comprehensive plans. While these statements repeat the comprehensive plan's broader goals, including eliminating duplicative services or entering into boundary agreements to promote cooperation, they still do not explain why the Boundary Plan itself accomplishes or furthers those goals. The failure to connect the Plan's specific content to the goals and requirements of the comprehensive plan is a failure to explain how and why the boundary plan is consistent with these comprehensive plans. The Plan's conclusory promises of consistency and cherry-picked excerpts from the comprehensive plans are not enough to describe how the Boundary Plan is consistent with Waukesha's and Vernon's comprehensive plans. The Plan falls short of the requirement found in Wis. Stat. §66.0307(3)(c).

The proposed Plan also creates a "Joint Planning Committee" which, again, merely acts as an advisory, informal body whose suggestions are not binding on either Vernon or Waukesha. How, then, is this committee supposed to assure orderly development and planning? Indeed, the terms of the Plan limit the Committee's purview to reviewing and opining on comprehensive plan amendments in the Joint Planning Area. See Plan Section 5 B. If the goal is to really "assure" a cooperative and orderly planning atmosphere, why is the committee so limited in both scope and authority? Moreover, it is unclear why such a committee is even necessary at this juncture or why a boundary agreement is necessary to create such a committee. The deficiencies in the structure and authority of this committee are in turn deficiencies in the requirements of Wis. Stat. §66.0307(3)(b), as it is unclear how or why such a toothless committee furthers the purpose of coordinated development.

Wis. Stat. §66.0307(3)(e) requires a Boundary Plan clearly describe how the plan is consistent with “current state and federal laws, county shoreland ordinances, municipal regulations, and administrative rules that apply to” the Plan Territory. Section 7 I. of the proposed Plan only makes the conclusory statement that the Plan is consistent with these current laws and ordinances. The Plan does not define what federal, state, or local law is applicable to the Plan Territory. The Plan does not state how it is consistent with any applicable federal, state, or local law. The Plan states that the parties currently believe they are in compliance, so they will stay in compliance under the Plan. However, such a conclusory statement is not enough under the statute. A specific statement and description is required.

Finally, the proposed Plan is silent on whether it is enforceable by any potential successor entities to the Town of Waukesha or Town of Vernon. Presently, the entire agreement could become moot if one party incorporates and becomes an entirely different entity than the one that entered into this Agreement. If the incorporated successor party then decides to argue it is not bound by an agreement entered into by its unincorporated predecessor, the so-called protections and promises of the agreement will be worthless to the remaining the unincorporated party.

In summary, the proposed Plan does not meet the requirements found in Wis. Stats. §§66.0307(3)(b), (3)(c), (3)(d) 5, 6, and 7., and (3)(e). The Department does not have enough information to make determinations on the approval criteria contained in §66.0307(5)(c). This proposed Plan cannot be approved as currently constructed.

This proposed Boundary Agreement is a solution to a nonexistent problem. As rationales, the Plan references potential incorporation and changes to state law giving towns the power to annex. However, the parties’ fears on that front lack foundation. There does not currently appear to be an incorporation petition from either Vernon or Waukesha before the Department. There are no proposed changes to state statute granting Towns annexation power. There is no explanation whatsoever as to why this agreement must be completed now, when both parties are still Towns and can only adjust their mutual borders by mutual agreement. There is no explanation why the parties cannot wait to enter into this agreement until after their hypotheticals become realities and the respective parties’ interests are clarified. Presently, the Plan protects nothing except the status quo. As constructed, it accomplishes nothing new and offers protections for a danger that does not presently exist for either party. Without further explanation or rationale, the plan is a blatant attempt to merely cross off an item on the checklist for fast-tracked incorporation under Wis. Stats. §66.02162.

The Village of Mukwonago appreciates the opportunity to submit these comments to the Municipal Review Board as they formally review this proposed Boundary Plan. We ask that these comments and objections be duly considered as the Board reviews the Plan.

Sincerely,

**HIPPENMEYER, REILLY, BLUM
SCHMITZER, FABIAN & ENGLISH, S.C.**

MARK G. BLUM
THOMAS G. SCHMITZER
LORI J. FABIAN
RONALD E. ENGLISH III

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RICHARD S. HIPPENMEYER
(1911-1979)
WILLIAM F. REILLY
(1932-2007)

EMAIL: MGBLUM@HRBLAWFIRM.COM

January 29, 2020

Via Email (art.baumann@dot.wi.gov) ONLY

Mr. Art Baumann
Wisconsin Department of Transportation
Southeast Region
141 NW Barstow Street
Waukesha, WI 53186

Re: WisDOT – Memorandum of Understanding

Dear Mr. Baumann:

I am writing to follow up on the proposed MOU that you provided concerning the access to the lands east of the intersection of State Highway 83 and Boxhorn Drive.

I have attached a redlined version of the MOU, which reflects changes made to the Village Responsibilities section based on our recent meeting. I have also attached a clean version of the MOU incorporating these changes.

Thank you for your consideration of these comments, and we look forward to your response.

Sincerely,

HIPPENMEYER, REILLY, BLUM,
SCHMITZER, FABIAN & ENGLISH, S.C.



Mark G. Blum
Village Attorney

MGB/jb
Enc.

Cc: Mr. John Weidl
Mr. Jerad Wegner
Mr. Ryan Antmann

Memorandum of Understanding
 between
THE VILLAGE OF MUKWONAGO
 and
THE WISCONSIN DEPARTMENT OF TRANSPORTATION

This memorandum summarizes the agreement for access to WIS 83 between the VILLAGE OF MUKWONAGO (Village) and the WISCONSIN DEPARTMENT OF TRANSPORTATION (State) for the Mukwonago TID #5 (Banker Wire) development site (Log #247568) located on lands on the northeast side of WIS 83 opposite of Boxhorn Drive.

GENERAL

- Nothing in this memorandum of understanding (MOU) shall limit or otherwise affect the sovereign immunity of the State of Wisconsin or the Village of Mukwonago.
- This MOU shall not be construed to create third-party beneficiaries, nor to create a partnership between the Village and State.
- This MOU contains the entire agreement between the parties; all prior negotiations and discussions have been merged into and are superseded by this MOU.
- This MOU may be signed in counterparts.
- The alteration of highway features is a police power and does not entitle any person, public or private, to any damages or compensation for such work. This MOU shall not be construed to create in any person a property interest in a median opening or any other feature within WisDOT's highway.
- Nothing in this MOU referencing costs that could be or will be incurred by the Village is intended to limit the Village's ability to pass those costs on to land owners or developers through development agreements, zoning approvals, special assessments, impact fees, and/or any other lawful method.

VILLAGE RESPONSIBILITIES

1. Require the platting and dedication of ~~sufficient~~ right-of-way through the parcel on the northeast side of WIS 83 ~~as depicted in the map attached hereto as Exhibit A within Area 1 on the attached exhibit to the property line of the southerly parcel within Area 2 to accommodate a future public roadway.~~
2. Provide a copy of the Village Board resolution allowing construction of a private driveway within public right of way to service the lands within Area 1 on the northeast side of WIS 83 and require ~~that developer of any lands within Area 1 which seek access WIS 83 to obtain the approval of WisDOT for such access and to construct any improvements that may be required by WisDOT for said access the installation of any improvements on WIS 83 as determined by WisDOT to accommodate the driveway. Only the lands within Area 1 will be allowed to use the private driveway.~~
3. Require the preparation of a Traffic Impact Analysis and have it submitted to WisDOT for review and acceptance prior to the Village's approval of any development application for

construction of improvements in any roadways or buildings within Area 2 for which access to WIS 83 will be sought.

4. Require the developer of any lands within Area 2 to obtain the consent of WisDOT for access to WIS 83 and to construct any improvements by WisDOT to accommodate said access~~construction of any improvements requested by WisDOT to mitigate the impacts of development within Area 2.~~

STATE RESPONSIBILITIES

1. Allow for the installation of a private driveway within the platted right-of-way to service the lands within Area 1 on the northeast side of WIS 83 until the lands within Area 2 are developed.
2. Review and issue necessary permits to the private property owner for construction of the private driveway, and to the Village for the required improvements within State right-of-way driven by the development of Area 2. All permit work shall conform to the standards of the State's Facilities Development Manual (FDM).
3. Review any required land divisions and approve those meeting requirements of State Statutes.
4. Review any future updated TIAs for this development and accept those that are technically correct.

Village of Mukwonago

By: _____

Title: _____

Date: _____

Wisconsin Department of Transportation

By: _____

Title: _____

Date: _____

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Village of Mukwonago

By: _____

Title: _____

Date: _____

Wisconsin Department of Transportation

By: _____

Title: _____

Date: _____



January 27 , 2020
Village of Mukwonago
Mr. John Weidl
Village Administrator
PO Box 206
Mukwonago, WI 53149-0206

Dear Mr. Weidl,

The Waukesha County Center for Growth appreciates your leadership and commitment to support our county-wide economic development efforts. We met with a number of businesses on Business Retention and Expansion Visits in 2019, and our Small Business Consultant worked with several businesses in the community. We were pleased to play a role in helping Super Products, Inc. to identify a site in Mukwonago as the location for its new headquarters and manufacturing plant. As you know we continue to receive interest in sites in and near the village's industrial park. As we move forward with the GROW Fund this year, we believe it will be an attractive source of low-interest capital to encourage business expansion and new development in our partner communities.

We have prepared an amendment to the contract between the Center for Growth and the Village of Mukwonago, to continue our partnership for 2020. We have also enclosed an invoice for the amount of your contribution. If there are specific requirements you have to process this disbursement, please contact Susan Pedersen, SVP of Finance and Operations at (262) 409-2625, or Tim Casey, Director of Economic Development at (262) 409-2643.

We would be happy to meet with your leadership based on your schedule. Please contact me to let me know a date and time that works for you.

We look forward to working with you to accelerate our collective economic development efforts. Waukesha County and our communities are well positioned to help our existing companies expand and we are confident that 2020 will be a strong year for continued growth.

Sincerely,

A handwritten signature in black ink, appearing to read "Tim Casey".

Tim Casey
Director of Economic Development

**ECONOMIC DEVELOPMENT COOPERATION CONTRACT
BETWEEN
WAUKESHA COUNTY CENTER FOR GROWTH, INC.
AND THE
VILLAGE OF MUKWONAGO**

This Contract is by and between the Waukesha County Center for Growth Inc., 2717 North Grandview Boulevard, Suite 300, Waukesha, Wisconsin 53188, referred to herein as Growth Center, and the Village of Mukwonago, a Wisconsin municipal corporation, PO Box 206, Mukwonago, WI 53149, referred to herein as Village. Together, Growth Center and Village are referred to as the Parties.

Recitals

WHEREAS, the Village and the Growth Center both recognize the need to provide for a central point of contact for businesses looking for workforce, financial management, growth and site selection technical assistance and be able to connect businesses to the organizations providing those resources.

WHEREAS, Village wishes to engage the Growth Center to conduct economic development services for the Village, and the Growth Center has the resources to provide such services and is willing to do so.

Therefore, in consideration of the mutual promises of the Parties contained herein, they agree, and contract as follows:

1. **Growth Center Services.** Services to be provided to Village by the Growth Center include the following:
 - a. Work with the Village to prepare a community profile for the Village that is specific to business and developer audiences.
 - b. Assist the Village in promoting the availability of existing and proposed business parks, industrial parks, and redevelopment areas.
 - c. Outreach to local chambers of commerce to coordinate business expansion, retention and recruitment efforts.
 - d. Coordinate the development of recruitment proposals and site-specific proposals for development consideration. The recruitment proposals will be actively provided to developers, brokers, franchises and commercial and industrial development interests. This information could also be placed on the Village website.
 - e. Establish an on-going business expansion and retention program that consists, at a minimum, of the following:
 - i. A coordinated business outreach program including an interview with prominent Village industries. The program will assist in providing direct assistance to these industries including, but not limited to, physical expansion referral to appropriate local officials, workforce development and financial assistance, as well as guide in developing new, and refining existing programs for all businesses.
 - ii. Identification of first-stage companies (companies with fewer than 20 employees) and second-stage companies (companies with between 20 and approximately 100 employees and no more than \$50 million in annual sales), and the development and offering of cooperative programs and technical assistance to them.

- f. Assist existing businesses per direct contact or referral from the (Mayor, President, Chair) or designee and report findings and resolution to the respective party. When meeting with local companies, Growth Center staff will provide information on existing state and federal economic development assistance programs that provide funding to help meet the needs of local businesses, including those that offer low-interest loans, tax credit programs and workforce development assistance.
- g. Continue the implementation of a targeted business recruitment program that includes emphasis on the following:
 - i. Second-stage companies or those companies with between 20 and approximately 100 employees and no more than \$50 million in sales.
 - ii. Milwaukee 7 or regional industry targets.
- h. Provide assistance through the development of customized proposals to businesses interested in establishing a location within the Village from reliable sources. This activity includes providing copies of such proposals (unless deemed confidential), when requested, to the (Mayor, President, Chair) and provide status updates on proposals presented to businesses.
- i. Access to commercial research and market data in a recognized commercial real estate database.
- j. Evaluate and potentially participate in the following if the Parties deem it beneficial:
 - i. Trade show events, commercial real estate events.
 - ii. Milwaukee 7 marketing activities.
- k. Author press releases and engage in other media relations promoting economic development/workforce development issues.
- l. Provide a written annual report summarizing activities conducted through this Contract and in-person updates as requested by the (Mayor, President, Chair).
- m. Coordinate economic development initiatives with the following agencies:
 - i. Milwaukee 7.
 - ii. Southeastern Wisconsin Regional Planning Commission.
 - iii. U.S. Economic Development Administration.
 - iv. U.S. Small Business Administration.
 - v. UWM at Waukesha.
 - vi. Waukesha County Technical College
 - vii. Waukesha-Ozaukee-Washington Workforce Development Board and Forward Careers.
 - viii. Wisconsin Economic Development Corporation.
 - ix. Wisconsin Department of Administration.
 - x. University of Wisconsin Small Business Development Center.

- xi. University of Wisconsin-Extension
 - xii. Any other agencies that provide similar services or attempt to achieve similar objectives and may benefit the economic development of the Village.
- n. In general, throughout the term of this Contract, the Growth Center will act as the Village economic development advocate and will exercise its best good-faith efforts to promote business recruitment, business retention and expansion, community development and business finance.
2. **Term.** The term of this Contract will commence upon its execution (herein referred to as Commencement Date) and its initial term will terminate on the date one year after the commencement of the obligation to provide the services listed in section 1. Thereafter, this Contract may be renewed for one-year renewal terms, by written amendment to this Contract executed by the Parties. Renewal terms shall commence on the anniversaries of the Commencement Date.
 3. **Payment.** The Village shall pay the Growth Center \$6,108.56 for its services for each year in which this Contract remains in effect within 2 months after the Commencement Date. Payment shall be made upon receipt of invoices from the Growth Center.
 4. **Standard of Work.** Growth Center will perform the Work according to generally-accepted industry practices.
 5. **Changes.** This Contract can only be amended by the written, mutual agreement of the Parties. No change to the scope of services, or the total amount to be paid to the Growth Center, shall be effective unless done by the written mutual agreement of the Parties.
 6. **Insurance.** The CONTRACTOR shall be solely responsible to meet CONTRACTOR'S insurance needs as detailed in the Certificate of Insurance herein attached and incorporated by reference as Attachment 3 during the terms of this Contract or any extension thereof. CONTRACTOR shall not allow subcontractors, if any, to commence work until the aforementioned documents, where applicable, have been obtained from the subcontractor(s).
 7. **Records.** Records shall be maintained by the Growth Center with respect to all matters covered by this Contract. The records shall be maintained for a period of three (3) years after receipt of final payment under this Contract, except as otherwise authorized through this Contract or applicable State and federal regulations.
 8. **Documentation of Cost.** - All costs shall be supported by properly executed payrolls, time records, invoices, contracts or vouchers, or other official documentation evidencing in proper detail the nature and propriety of other accounting documents pertaining in whole or in part to this Contract and shall be clearly identified and readily accessible.
 9. **Cooperation by Village.** The Village shall cooperate with the Growth Center in the performance of the services, and shall respond timely to all reasonable requests for information.
 10. **Parties Are Independent Contractors.** Nothing in this Contract shall be construed to create any relationship between the Parties other than independent contractors. Unless specifically provided in this Contract, the Parties are not agents for one another, have no authority to bind the other to contracts, and have no vicarious liability for the other's acts or omissions.
 11. **Indemnification and Defense of Suits:**
 - a. The Growth Center agrees to indemnify, hold harmless, and defend the Village, its officers, agents, and employees from any and all liability including claims, demands, damages, actions or causes of action; together with any and all losses, costs, or expense, including reasonable attorney fees, where

such liability is founded upon or grows out of the acts, errors, or omissions of the Growth Center, its employees, agents or subcontractors.

- b. The Village agrees to indemnify, hold harmless, and defend the Growth Center, its officers, agents, and employees from any and all liability including claims, demands, damages, actions or causes of action; together with any and all losses, costs, or expense, including reasonable attorney fees, where such liability is founded upon or grows out of the acts, errors, or omissions of the Village, its employees, agents or subcontractors.
 - c. Notwithstanding the foregoing, nothing in this Contract, including the indemnification provision above, shall in any way constitute a waiver by the Village of any immunity, liability limitation, limitation on the amount recoverable, or other protections applicable to the under Section 893.80, Wis. Stats., or any other applicable statute or law.
12. **Assignment Prohibited.** This Contract, and the Growth Center's responsibility to perform the services under this Contract, may not be assigned by the Growth Center without the Village written consent.
13. **Notices.** All notices required by this Contract, and all other communications between the Parties, shall be addressed as follows:
- To Village: Village of Mukwonago, Village Administrator, PO Box 206, Mukwonago, WI 53149
- To Growth Center: Economic Development Director, 2717 N Grandview Blvd, Ste 300, Waukesha, WI 53188
14. **Severability.** If any term of this Contract is held unenforceable by a court having jurisdiction, then to the extent the unenforceable term can be severed from the remainder of this Contract without affecting the enforceability of the remainder of this Contract or substantially frustrating its purpose, it will be so severed, and the remainder of this Contract will remain in effect and enforceable.
15. **Governing Law and Jurisdiction.** This Contract will be construed and enforced according to the laws of Wisconsin. If a lawsuit arises out of this Contract, it shall be filed in the state Circuit Court for Waukesha County, Wisconsin. The Parties consent to personal and subject-matter jurisdiction in Wisconsin, and waive all jurisdictional defenses.

VILLAGE

(Mayor, President, Chair)

Clerk

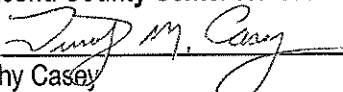
By (print name)

By (print name)

Date: _____

Date: _____

Waukesha County Center for Growth, Inc.



Timothy Casey
Director, Economic Development
Date: 1/27/2020



EAST TROY

COMMUNITY SCHOOL DISTRICT

Committed to the Growth & Success of Each Student, Each Year

Dr. Christopher G. Hibner, District Administrator
Katherine Zwirgzdas, Administrator of Business Services
Amy Foszpanczyk, Director of Teaching & Continuous
Improvement of Student Learning
Katherine Lieske Harder, Director of Pupil Services

Dear Mr. Fred Winchowky (President),

As you likely know, the ETCSD School Board is presenting a referendum question for the community's consideration this spring. District residents will vote in an election on Tuesday, April 7.

Our district has some pressing operations and maintenance needs. Our current projections indicate future deficits averaging \$470,000 per year for the next five years, due to expense increases outpacing revenues from the state.

In addition, we are facing some large-scale maintenance needs in the future. These upgrades, if budgeted for within the operational funds for education, would require significant cuts to programs and services, impeding our ability to compete well with other districts in our region.

Please know that the district has been balancing its budget and reducing such deficits. In the past 13 years, our district has implemented \$7.8 million in budget-balancing efforts.

I would like to share a recent news release and a letter to our parents/guardians, which are both attached. I also wanted to let you know that we would be happy to have one of our school board members make a brief presentation about the referendum at any time. Please do not hesitate to reach out if you would like to set this up.

To learn more about the referendum and the question on the ballot, please visit <https://www.easttroy.k12.wi.us/board/operational-referendum.cfm>.

I look forward to hearing from you. As always, thank you for all you do for our community.

Sincerely,

Dr. Chris Hibner, Superintendent
East Troy Community School District

FOR IMMEDIATE RELEASE: December 18, 2019



East Troy Residents to Vote on Referendum to Address Financial Needs

School board approves operational referendum question for April 7, 2020 ballot

EAST TROY, WI — At its Monday meeting, the East Troy Community School District Board of Education officially approved a referendum question that will appear on the ballot April 7, 2020.

If approved by a majority of voters, the \$1.6 million referendum for each of 5 years would address the district's most urgent needs and provide greater financial stability for ETCSD over the next five years. It would have an estimated tax impact of \$98 per \$100,000 of assessed property value.

The district's needs are tied to a state-imposed revenue limit, which dates back to 1993 and restricts the amount of money available to ETCSD. In fact, East Troy currently has one of the lowest per-pupil revenue limits in southeastern Wisconsin. The district's projections indicate future deficits averaging \$470,000 per year for the next five years.

To assess the district's needs, the board has engaged in a community-based process to develop and prioritize solutions based on their cost and potential impact to ensure the best return on taxpayers' investments in their local schools. This included a fall 2018 survey, which the board has used in preparing for a referendum.

In summer 2019, an ad-hoc committee—comprising of municipal officials, business leaders, parents and community members—met to review the survey results and examine school finance and its impact on the district's budget.

"Over the past two years, the district and board have been working through a process that involved numerous discussions, a survey, and an ad-hoc committee toward determining the proper direction toward addressing a number of ongoing pressing needs to ensure students continue to have access to a quality educational experience," said Dr. Chris Hibner, ETCSD Superintendent. "The board is now presenting a sound solution for the community's consideration on April 7. We look forward to having more productive conversations about the future of our local schools in the weeks and months ahead."

For more information on the district's financial needs and the April 2020 referendum, please visit <https://www.easttroy.k12.wi.us/board/operational-referendum.cfm>.

###

East Troy Board of Education to Pursue Operational Referendum, Continues to Discuss Ongoing Budget Challenges

EAST TROY, WI — At its November 11 meeting, the East Troy Community School District Board of Education unanimously voted to develop a resolution question for an April 2020 operational referendum. The final vote for the question's placement on the ballot will take place at the board's December 16 meeting.

After years of difficult budget balancing processes, the board decided last year to explore an operational referendum to address its financial challenges. In November 2018, a survey was sent to all district residents, seeking feedback on the district's financial and facilities-related needs, along with how it should best address those needs.

Survey respondents shared that if the district were to pursue a referendum, it should consider doing so with a tax impact of \$98 or less per \$100,000 of assessed property value. Respondents also said that funding should be used primarily to address building maintenance needs, enhance middle school security, enhance middle school science areas and maintain course offerings.

After considerable dialogue and debate regarding next steps, the Board of Education directed district administration to form an ad-hoc committee to explore several options. This committee—made up of community members, municipal representatives, parents, business owners and two school board members—met several times during the summer. District Business Manager Kathy Zwirgzdas and other administrators facilitated the meetings. Throughout the process, committee members reviewed the survey results and examined school finance and its impact on the district's budget.

Upon reviewing feedback from the committee in August, the board asked to have the topic on all upcoming board agendas to facilitate a dialogue with the community and carefully review all relevant information. The board also aimed to effectively prepare for a potential referendum in April 2020.

At a board meeting on August 26, ETCSD Director of Building and Grounds/District Safety Coordinator Bob Ellis presented the current maintenance budget. He then shared maintenance projects that need to be addressed. The following were a few examples that were shared:

- Replacement of roof sections at all district locations, except Little Prairie
- Replacement of the boilers at Prairie View and the high school
- Replacement/retrofitting furnace and boiler at DB (both are originals) / 150' x 4 156 0's
- Replacement of asphalt as needed (high priority at middle school)
- Relocate middle school office to ensure access to the building takes place at office
- Replace single-pane windows at the middle school
- Remodel/update science rooms at the middle school
- Continue installation of LED lighting at all district buildings, except Little Prairie

Business manager Kathy Zwirgzdas also shared five-year revenue and expense projections, along with a recent history indicating that 2018-19 state revenues for the district were the same as in 2010-11.

"In Wisconsin, the amount of money a school district receives is restricted by a revenue limit. Every district has its own revenue limit, impacted by the state budget every two years, and this limit dictates most of the operational budget," Zwirgzdas said. "State budgets have not increased revenue limits to keep up. We

have seen notable increases in costs related to inflation and maintaining our technology and facilities infrastructure. The structure of open enrollment payments and declining enrollment also decreases the revenue limits, creating problems in balancing the budget every year, even without the consideration of adding large-scale maintenance projects. Over the years, we have had to prioritize and choose what can be funded, and when we choose programs for the students in the classroom, we simply do not have the funding for high-expense maintenance replacements."

The resolution currently being drafted is in the amount of \$1.6 million for five years, for the purposes of maintenance, operations and safety and security. The projected tax impact is \$98 per \$100,000 of assessed property value.

"This referendum amount would not address all our needs, nor would it fix the annual budgeting process entirely," said Dr. Christopher Hibner, ETCSD Superintendent. "We will continue to make cost-effective changes to budget line items every year, but these funds would help make the annual gaps between revenue and expenses smaller. They would also address a significant portion of our maintenance needs. We must balance our schools' needs with the needs of our community members and taxpayers."

The referendum question will be in front of the board again for final approval at its next meeting, which will take place Monday, December 16 at 6 p.m. at East Troy Middle School.

###

January 27, 2020

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

RE: DeBack Drive Infrastructure

Dear Ms. Dykstra:

Bids for the above project were opened on October 23, 2019 at 10:00 a.m. at the Village Hall and were as follows:

BIDDER	Base Bid with Mandatory Alternate
1. Musson Brothers, Inc.	\$3,989,190.84
2. Globe Contractors, Inc.	\$4,678,142.95
3. Fischer Excavating	\$4,451,672.74
4. UPI, LLC	\$4,518,730.93
5. Super Excavators, Inc.	\$5,160,975.50
6. Veit & Company, Inc.	\$4,547,090.79

We reviewed the documentation submitted by the apparent low bidder and found that:

1. The Bid Form has been appropriately completed.
2. We have no objections to the low bidder, nor to the proposed major subcontractors and suppliers.
3. Low bidder has successfully completed similar projects over the last several years according to references we have contacted.

On these bases, we recommend that Musson Brothers, Inc. be awarded the DeBack Drive Infrastructure Base Bid with Mandatory Alternate contract, in the amount of \$3,989,190.84. (Eliminating Base Bid Items No. 11 and 12 and adding Mandatory Alternate Bid Items MA-1 through MA-19.) The Mandatory Alternate Bid Items are for the outlot infilling and the associated mass grading at the remaining 31 acre parcel in TID #5 to complete the work. This amount is based on the bid unit prices and estimated quantities. Actual quantities, and therefore the final contract price, may vary. On all construction projects, and especially complex ones like this, unpredictable factors may increase the final contract amount. For this reason we recommend that the Village include a 10 percent contingency when preparing the financial plan for this work.

Our review did not include an evaluation of bidder's current financial condition nor of their permanent safety program.

Should you decide to accept our recommendation, we have prepared the enclosed Notice of Award for your use. After Board approval has been received, please have the appropriate official sign where indicated and forward all three signed copies of the Notice of Award to our office. We will then fill in the date at the top of page one and forward it, with contracts for execution, to the Contractor. One fully completed Notice of Award will be returned to you for your records.

Ms. Diana Dykstra, CMC
Village of Mukwonago
January 27, 2020
Page 2

Bids remain subject to acceptance until February 20, 2020, unless Bidder agrees to an extension. Please advise us of your award decision, or call if there are any questions.

Respectfully,

RUEKERT & MIELKE, INC.



Michael E. Michalski
Project Engineer
mmichalski@ruekert-mielke.com

MEM:sjs

Encl: Notice of Award
Bid Tabulation

cc: John Weidl, Village of Mukwonago
Jerad J. Wegner, P.E., Ruekert & Mielke, Inc.

COST COMPARISON OF BIDDERS

OWNER: Village of Mukwonago
PROJECT: DeBack Drive Infrastructure
BID OPENING DATE: October 23, 2019

BASE BID				MUSSON BROS, INC.		GLOBE CONTRACTORS, INC.		FISCHER EXCAVATING	
ITEM #	ITEM DESCRIPTION	UNIT	QTY.	UNIT \$	TOTAL	UNIT \$	TOTAL	UNIT \$	TOTAL
1	Mobilization (limited to maximum of 5% of Total Bid)	L.S.	1	\$140,000.00	\$140,000.00	\$150,000.00	\$150,000.00	\$40,376.59	\$40,376.59
2	Traffic control	L.S.	1	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$4,568.00	\$4,568.00
3	Tracking pad	S.F.	2,400	\$2.58	\$6,192.00	\$3.00	\$7,200.00	\$1.54	\$3,696.00
4	Project identification signs	L.S.	1	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$1,200.00	\$1,200.00
5	Sediment traps	EA.	3	\$22,485.78	\$67,457.34	\$10,550.00	\$31,650.00	\$3,215.83	\$9,647.49
6	Silt fence	L.F.	4,870	\$1.35	\$6,574.50	\$1.60	\$7,792.00	\$1.55	\$7,548.50
7	Manufactured slope interruption device	L.F.	85	\$4.00	\$340.00	\$13.00	\$1,105.00	\$12.95	\$1,100.75
8	Inlet sediment guards, Type D	EA.	24	\$125.00	\$3,000.00	\$125.00	\$3,000.00	\$125.00	\$3,000.00
9	Clearing, grubbing and tree removal	L.S.	1	\$14,500.00	\$14,500.00	\$16,000.00	\$16,000.00	\$19,950.00	\$19,950.00
10	Temporary seed and mulch	S.Y.	1,200	\$0.25	\$300.00	\$0.50	\$600.00	\$0.49	\$588.00
11	Storm water detention facility improvements	L.S.	1	\$164,830.44	\$164,830.44	\$308,236.00	\$308,236.00	\$64,928.16	\$64,928.16
12	Storm water facility dewatering	L.S.	1	\$76,895.32	\$76,895.32	\$175,000.00	\$175,000.00	\$259,538.22	\$259,538.22
13	Heavy rip rap	TON	100	\$94.37	\$9,437.00	\$125.00	\$12,500.00	\$58.69	\$5,869.00
14	Heavy field stone rip rap	TON	100	\$94.37	\$9,437.00	\$150.00	\$15,000.00	\$68.47	\$6,847.00
15	Temporary stone weeper	EA.	1	\$8,742.89	\$8,742.89	\$2,000.00	\$2,000.00	\$1,659.95	\$1,659.95
16	Dust control using calcium chloride	100 LBS.	10	\$119.86	\$1,198.60	\$100.00	\$1,000.00	\$30.54	\$305.40 ***
17	Dust control using water	1,000 GAL.	10	\$69.95	\$699.50	\$150.00	\$1,500.00	\$1.53	\$15.30 ****
18	Full depth saw cutting	L.F.	174	\$3.00	\$522.00	\$3.00	\$522.00	\$8.00	\$1,392.00
19	Rock removal - If Required	C.Y.	1,500	\$157.22	\$235,830.00	\$130.00	\$195,000.00	\$97.45	\$146,175.00
20	Sanitary sewer, 36-inch, w/granular backfill	L.F.	75	\$583.00	\$43,725.00	\$583.00	\$43,725.00	\$438.67	\$32,900.25
21	Sanitary sewer, 18-inch, w/granular backfill	L.F.	553	\$395.00	\$218,435.00	\$395.00	\$218,435.00	\$643.19	\$355,684.07
22	Sanitary sewer, 12-inch, w/granular backfill	L.F.	50	\$446.00	\$22,300.00	\$446.00	\$22,300.00	\$494.90	\$24,745.00
23	Sanitary sewer manholes, 48-inch w/frame and cover	V.F.	85.78	\$230.00	\$19,729.40	\$230.00	\$19,729.40	\$463.45	\$39,754.74
24	Sanitary sewer manhole replacement, 72-inch w/frame and cover	V.F.	19.83	\$360.00	\$7,138.80	\$360.00	\$7,138.80	\$1,364.59	\$27,059.82
25	Sanitary sewer lateral, 8-inch with cleanout	L.F.	112	\$257.00	\$28,784.00	\$257.00	\$28,784.00	\$289.78	\$32,455.36
26	Internal/external sanitary manhole chimney seal	EA.	5	\$625.00	\$3,125.00	\$625.00	\$3,125.00	\$299.34	\$1,496.70
27	Water main, 8-inch, w/granular backfill	L.F.	113	\$126.25	\$14,266.25	\$95.00	\$10,735.00	\$119.34	\$13,485.42
28	Water main, 12-inch, w/spoil backfill	L.F.	653	\$82.04	\$53,572.12	\$76.00	\$49,628.00	\$71.14	\$46,454.42
29	Water main, 12-inch, w/granular backfill	L.F.	2,269	\$102.53	\$232,640.57	\$107.00	\$242,783.00	\$124.95	\$283,511.55
30	Water main, 12-inch, w/slurry backfill	L.F.	42	\$324.70	\$13,637.40	\$240.00	\$10,080.00	\$1,307.44	\$54,912.48
31	Water main, 16-inch, w/spoil backfill	L.F.	5	\$3,060.68	\$15,303.40	\$500.00	\$2,500.00	\$2,135.81	\$10,679.05
32	24-inch steel casing pipe in open cut	L.F.	65	\$310.75	\$20,198.75	\$240.00	\$15,600.00	\$118.21	\$7,683.65 *****
33	Hydrant lead, 6-inch	L.F.	193	\$122.81	\$23,702.33	\$110.00	\$21,230.00	\$222.67	\$42,975.31
34	Hydrant assembly w/6-inch valve	EA.	10	\$6,863.75	\$68,637.50 *	\$6,000.00	\$60,000.00	\$6,446.28	\$64,462.80
35	Temporary hydrant assembly	EA.	1	\$6,097.55	\$6,097.55	\$5,000.00	\$5,000.00	\$5,088.78	\$5,088.78

COST COMPARISON OF BIDDERS

OWNER: Village of Mukwonago
PROJECT: DeBack Drive Infrastructure
BID OPENING DATE: October 23, 2019

BASE BID				MUSSON BROS, INC.		GLOBE CONTRACTORS, INC.		FISCHER EXCAVATING	
ITEM #	ITEM DESCRIPTION	UNIT	QTY.	UNIT \$	TOTAL	UNIT \$	TOTAL	UNIT \$	TOTAL
36	Water main valves, 8-inch gate valve	EA.	2	\$2,119.90	\$4,239.80	\$2,000.00	\$4,000.00	\$1,924.15	\$3,848.30 *****
37	Water main valves, 12-inch gate valve	EA.	13	\$3,373.54	\$43,856.02	\$3,200.00	\$41,600.00	\$3,212.54	\$41,763.02
38	Storm sewer main, 12-inch RCP, w/granular backfill	L.F.	199	\$65.28	\$12,990.72	\$80.00	\$15,920.00	\$87.74	\$17,460.26
39	Storm sewer main, 15-inch RCP, w/granular backfill	L.F.	731	\$62.11	\$45,402.41	\$82.00	\$59,942.00	\$85.30	\$62,354.30
40	Storm sewer main, 18-inch RCP, w/granular backfill	L.F.	164	\$67.16	\$11,014.24	\$87.00	\$14,268.00	\$86.82	\$14,238.48
41	Storm sewer box culvert, 8' x 4' RCP, w/granular backfill	L.F.	168	\$632.15	\$106,201.20	\$688.00	\$115,584.00	\$984.02	\$165,315.36
42	Storm sewer box culvert, 8' x 5' RCP, w/granular backfill	L.F.	192	\$673.97	\$129,402.24	\$715.00	\$137,280.00	\$896.48	\$172,124.16
43	Concrete storm sewer end sections, 15-inch	EA.	2	\$1,003.74	\$2,007.48	\$580.00	\$1,160.00	\$993.88	\$1,987.76
44	Concrete storm sewer end sections, 18-inch, w/end grate	EA.	1	\$1,760.91	\$1,760.91	\$1,100.00	\$1,100.00	\$1,051.31	\$1,051.31
45	8' x 4' precast concrete box culvert end sections	EA.	2	\$7,030.40	\$14,060.80	\$6,300.00	\$12,600.00	\$6,928.46	\$13,856.92
46	Twin 8' x 5' concrete box wingwall sections	EA.	2	\$17,028.16	\$34,056.32	\$32,000.00	\$64,000.00	\$12,500.00	\$25,000.00
47	Storm sewer manholes, 48-inch w/frame and cover	EA.	4	\$2,210.46	\$8,841.84	\$1,600.00	\$6,400.00	\$3,699.84	\$14,799.36
48	Catch basin, w/frame and grate	EA.	16	\$2,950.50	\$47,208.00	\$2,200.00	\$35,200.00	\$2,870.97	\$45,935.52
49	Storm frame and grate replacement	EA.	1	\$1,616.43	\$1,616.43	\$2,300.00	\$2,300.00	\$10,559.42	\$10,559.42
50	Construct roadway to subgrade	L.S.	1	\$162,000.00	\$162,000.00	\$125,500.00	\$125,500.00	\$303,615.71	\$303,615.71
51	Excavation below subgrade	C.Y.	880	\$13.98	\$12,302.40	\$13.00	\$11,440.00	\$25.81	\$22,712.80
52	Geotextile subgrade stabilization	S.Y.	2,640	\$3.55	\$9,372.00	\$4.00	\$10,560.00	\$4.11	\$10,850.40
53	Excavation below subgrade (EBS) backfill	TON	1,760	\$27.08	\$47,660.80	\$28.00	\$49,280.00	\$28.77	\$50,635.20
54	Crushed aggregate for road base	TON	5,730	\$16.29	\$93,341.70	\$22.00	\$126,060.00	\$21.69	\$124,283.70
55	30-inch concrete curb and gutter	L.F.	2,815	\$9.04	\$25,447.60	\$16.60	\$46,729.00	\$21.17	\$59,593.55
56	Concrete curb and gutter replacement	L.F.	48	\$79.76	\$3,828.48	\$38.00	\$1,824.00	\$87.78	\$4,213.44
57	Asphaltic concrete binder course	TON	1645	\$72.39	\$119,081.55	\$60.00	\$98,700.00	\$66.75	\$109,803.75
58	Asphaltic concrete surface course	TON	675	\$75.07	\$50,672.25	\$72.00	\$48,600.00	\$68.75	\$46,406.25
59	Colored stamped concrete island	S.F.	252	\$28.57	\$7,199.64	\$25.00	\$6,300.00	\$32.41	\$8,167.32
60	Concrete sidewalk and curb ramp	S.F.	13,400	\$4.90	\$65,660.00	\$5.00	\$67,000.00	\$5.42	\$72,628.00
61	Detectable Warning Field	S.F.	140	\$42.41	\$5,937.40	\$55.00	\$7,700.00	\$40.00	\$5,600.00
62	Decorative metal fence	L.F.	1,035	\$67.50	\$69,862.50	\$67.50	\$69,862.50	\$78.40	\$81,144.00
63	Pavement marking, epoxy, 18-inch, stop bar	L.F.	53	\$14.00	\$742.00	\$14.00	\$742.00	\$14.00	\$742.00
64	Pavement marking, epoxy, 12-inch yellow diagonal	L.F.	18	\$7.00	\$126.00	\$7.00	\$126.00	\$7.00	\$126.00
65	Pavement marking, epoxy, 6-inch white crosswalk	L.F.	690	\$13.00	\$8,970.00	\$13.00	\$8,970.00	\$13.00	\$8,970.00
66	Pavement marking, epoxy, 4-inch yellow	L.F.	2,264	\$0.99	\$2,241.36	\$1.00	\$2,264.00	\$0.99	\$2,241.36
67	Pavement marking, epoxy, 4-inch white	L.F.	2,410	\$0.99	\$2,385.90	\$1.00	\$2,410.00	\$0.99	\$2,385.90
68	Pavement marking, arrows Type 2	EA.	4	\$225.00	\$900.00	\$225.00	\$900.00	\$225.00	\$900.00
69	Topsoil, turf grass seed, fertilizer and Class I, Urban, Type A erosion matting	S.Y.	18,700	\$5.02	\$93,874.00	\$6.25	\$116,875.00	\$7.15	\$133,705.00
70	Topsoil, native seeding and Class II, Type B erosion mat	S.Y.	4,920	\$8.00	\$39,360.00	\$8.50	\$41,820.00	\$9.40	\$46,248.00

COST COMPARISON OF BIDDERS

OWNER: Village of Mukwonago
PROJECT: DeBack Drive Infrastructure
BID OPENING DATE: October 23, 2019

BASE BID				MUSSON BROS, INC.		GLOBE CONTRACTORS, INC.		FISCHER EXCAVATING	
ITEM #	ITEM DESCRIPTION	UNIT	QTY.	UNIT \$	TOTAL	UNIT \$	TOTAL	UNIT \$	TOTAL
71	Traffic signs	EA.	27	\$120.00	\$3,240.00	\$250.00	\$6,750.00	\$250.00	\$6,750.00
72	Traffic sign posts	EA.	27	\$165.00	\$4,455.00	\$150.00	\$4,050.00	\$150.00	\$4,050.00
TOTAL OF ALL ESTIMATED PRICES (ITEMS 1 - 72)					\$2,836,068.65		\$3,059,714.70		\$3,317,821.31

MANDATORY ALTERNATE BIDS

MA-1	Traffic control	L.S.	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$1,685.00	\$1,685.00
MA-2	Tracking pad	S.F.	2400	\$2.32	\$5,568.00	\$3.00	\$7,200.00	\$1.54	\$3,696.00
MA-3	Silt fence	L.F.	5690	\$1.35	\$7,681.50	\$1.70	\$9,673.00	\$1.55	\$8,819.50
MA-4	Manufactured slope interruption device	L.F.	555	\$4.00	\$2,220.00	\$12.00	\$6,660.00	\$10.95	\$6,077.25
MA-5	Inlet sediment guards, Type D	EA.	4	\$125.00	\$500.00	\$132.00	\$528.00	\$125.00	\$500.00
MA-6	Clearing, grubbing and tree removal	L.S.	1	\$3,500.00	\$3,500.00	\$5,250.00	\$5,250.00	\$10,500.00	\$10,500.00
MA-7	Temporary seed and mulch	S.Y.	12000	\$0.25	\$3,000.00	\$0.55	\$6,600.00	\$0.49	\$5,880.00
MA-8	Grading - Borrow Site	L.S.	1	\$34,157.83	\$34,157.83	\$241,500.00	\$241,500.00	\$61,098.06	\$61,098.06
MA-9	Placement and compacting Borrow Site excavated material - Outlot Infilling	L.S.	1	\$371,333.20	\$371,333.20	\$340,200.00	\$340,200.00	\$482,601.40	\$482,601.40
MA-10	Storm water detention facility improvements	L.S.	1	\$489,061.34	\$489,061.34	\$646,145.00	\$646,145.00	\$186,135.17	\$186,135.17
MA-11	Storm water facility dewatering	L.S.	1	\$81,741.06	\$81,741.06	\$288,750.00	\$288,750.00	\$141,470.58	\$141,470.58
MA-12	Heavy rip rap	TON	12	\$94.37	\$1,132.44	\$125.00	\$1,500.00	\$58.73	\$704.76
MA-13	Storm sewer main, 54-inch RCP, w/granular backfill	L.F.	307	\$188.68	\$57,924.76	\$290.00	\$89,030.00	\$166.65	\$51,161.55
MA-14	Concrete storm sewer end sections, 54-inch, w/ end grate	EA.	1	\$6,254.78	\$6,254.78	\$5,000.00	\$5,000.00	\$4,704.42	\$4,704.42
MA-15	Storm sewer manholes, 96-inch w/frame and cover	EA.	2	\$39,569.02	\$79,138.04	\$8,400.00	\$16,800.00	\$10,398.06	\$20,796.12
MA-16	Topsoil, turf grass seed, fertilizer, and hydro-mulch	S.Y.	8600	\$6.40	\$55,040.00	\$5.25	\$45,150.00	\$5.67	\$48,762.00
MA-17	Topsoil, no-mow seed and hydro-mulch	S.Y.	52400	\$2.77	\$145,148.00	\$5.25	\$275,100.00	\$5.79	\$303,396.00
MA-18	Topsoil, native seeding, and Class II, Type B erosion mat	S.Y.	12525	\$3.88	\$48,597.00	\$8.93	\$111,848.25 **	\$9.40	\$117,735.00
MA-19	Class III, Type B or C turf reinforcement mat	S.Y.	100	\$8.50	\$850.00	\$27.30	\$2,730.00	\$25.95	\$2,595.00
TOTAL OF ALL MANDATORY ALTERNATE BIDS (MA1-19)					\$1,394,847.95		\$2,101,664.25		\$1,458,317.81

*-Musson bid: \$2,835,798.65 Actual: \$2,836,068.65, \$270 difference

**-Globe bid: \$111,785.63, should be: \$111,848.25

***-Fischer bid: \$3,054.00 should be: \$305.40

****-Fischer bid: \$1,530.00 should be: \$15.30

*****-Fischer bid: \$7,677.80 should be: \$7,683.65

*****-Fischer bid: \$3,848.40 should be: \$3,848.30

COST COMPARISON OF BIDDERS

OWNER: Village of Mukwonago
PROJECT: DeBack Drive Infrastructure
BID OPENING DATE: October 23, 2019

BASE BID				UPI, LLC		SUPER EXCAVATORS, INC.		VEIT & COMPANY, INC.	
ITEM #	ITEM DESCRIPTION	UNIT	QTY.	UNIT \$	TOTAL	UNIT \$	TOTAL	UNIT \$	TOTAL
1	Mobilization (limited to maximum of 5% of Total Bid)	L.S.	1	\$42,000.00	\$42,000.00	\$50,000.00	\$50,000.00	\$149,000.00	\$149,000.00
2	Traffic control	L.S.	1	\$15,300.00	\$15,300.00	\$20,000.00	\$20,000.00	\$10,500.00	\$10,500.00
3	Tracking pad	S.F.	2,400	\$2.70	\$6,480.00	\$2.50	\$6,000.00	\$5.00	\$12,000.00
4	Project identification signs	L.S.	1	\$5,100.00	\$5,100.00	\$1,500.00	\$1,500.00	\$1,850.00	\$1,850.00
5	Sediment traps	EA.	3	\$11,300.00	\$33,900.00	\$4,000.00	\$12,000.00	\$4,350.00	\$13,050.00
6	Silt fence	L.F.	4,870	\$1.50	\$7,305.00	\$2.00	\$9,740.00	\$1.80	\$8,766.00
7	Manufactured slope interruption device	L.F.	85	\$4.50	\$382.50	\$100.00	\$8,500.00	\$4.95	\$420.75
8	Inlet sediment guards, Type D	EA.	24	\$135.00	\$3,240.00	\$50.00	\$1,200.00	\$146.75	\$3,522.00
9	Clearing, grubbing and tree removal	L.S.	1	\$20,800.00	\$20,800.00	\$20,000.00	\$20,000.00	\$17,500.00	\$17,500.00
10	Temporary seed and mulch	S.Y.	1,200	\$0.30	\$360.00	\$1.00	\$1,200.00	\$1.00	\$1,200.00
11	Storm water detention facility improvements	L.S.	1	\$356,600.00	\$356,600.00	\$150,000.00	\$150,000.00	\$128,000.00	\$128,000.00
12	Storm water facility dewatering	L.S.	1	\$316,000.00	\$316,000.00	\$300,000.00	\$300,000.00	\$72,000.00	\$72,000.00
13	Heavy rip rap	TON	100	\$76.00	\$7,600.00	\$60.00	\$6,000.00	\$75.50	\$7,550.00
14	Heavy field stone rip rap	TON	100	\$87.00	\$8,700.00	\$62.00	\$6,200.00	\$144.00	\$14,400.00
15	Temporary stone weeper	EA.	1	\$10,100.00	\$10,100.00	\$3,000.00	\$3,000.00	\$1,650.00	\$1,650.00
16	Dust control using calcium chloride	100 LBS.	10	\$400.00	\$4,000.00	\$1.00	\$10.00	\$365.00	\$3,650.00
17	Dust control using water	1,000 GAL	10	\$160.00	\$1,600.00	\$61.00	\$610.00	\$275.00	\$2,750.00
18	Full depth saw cutting	L.F.	174	\$4.00	\$696.00	\$5.00	\$870.00	\$6.00	\$1,044.00
19	Rock removal - If Required	C.Y.	1,500	\$156.00	\$234,000.00	\$75.00	\$112,500.00	\$154.50	\$231,750.00
20	Sanitary sewer, 36-inch, w/granular backfill	L.F.	75	\$612.00	\$45,900.00	\$600.00	\$45,000.00	\$1,400.00	\$105,000.00
21	Sanitary sewer, 18-inch, w/granular backfill	L.F.	553	\$392.00	\$216,776.00	\$480.00	\$265,440.00	\$880.50	\$486,916.50
22	Sanitary sewer, 12-inch, w/granular backfill	L.F.	50	\$345.00	\$17,250.00	\$550.00	\$27,500.00	\$2,168.00	\$108,400.00
23	Sanitary sewer manholes, 48-inch w/frame and cover	V.F.	85.78	\$410.00	\$35,169.80	\$300.00	\$25,734.00	\$915.00	\$78,488.70
24	Sanitary sewer manhole replacement, 72-inch w/frame and cover	V.F.	19.83	\$911.00	\$18,065.13	\$450.00	\$8,923.50	\$1,200.00	\$23,796.00
25	Sanitary sewer lateral, 8-inch with cleanout	L.F.	112	\$98.00	\$10,976.00	\$300.00	\$33,600.00	\$342.00	\$38,304.00
26	Internal/external sanitary manhole chimney seal	EA.	5	\$604.00	\$3,020.00	\$300.00	\$1,500.00	\$565.00	\$2,825.00
27	Water main, 8-inch, w/granular backfill	L.F.	113	\$99.00	\$11,187.00	\$100.00	\$11,300.00	\$645.00	\$72,885.00
28	Water main, 12-inch, w/spoil backfill	L.F.	653	\$96.00	\$62,688.00	\$70.00	\$45,710.00	\$160.75	\$104,969.75
29	Water main, 12-inch, w/granular backfill	L.F.	2,269	\$117.00	\$265,473.00	\$100.00	\$226,900.00	\$177.00	\$401,613.00
30	Water main, 12-inch, w/slurry backfill	L.F.	42	\$246.00	\$10,332.00	\$450.00	\$18,900.00	\$838.00	\$35,196.00
31	Water main, 16-inch, w/spoil backfill	L.F.	5	\$3,150.00	\$15,750.00	\$3,000.00	\$15,000.00	\$3,350.00	\$16,750.00
32	24-inch steel casing pipe in open cut	L.F.	65	\$430.00	\$27,950.00	\$300.00	\$19,500.00	\$289.00	\$18,785.00
33	Hydrant lead, 6-inch	L.F.	193	\$79.00	\$15,247.00	\$115.00	\$22,195.00	\$123.00	\$23,739.00
34	Hydrant assembly w/6-inch valve	EA.	10	\$7,111.00	\$71,110.00	\$7,500.00	\$75,000.00	\$8,200.00	\$82,000.00
35	Temporary hydrant assembly	EA.	1	\$5,700.00	\$5,700.00	\$7,000.00	\$7,000.00	\$9,400.00	\$9,400.00

COST COMPARISON OF BIDDERS

OWNER: Village of Mukwonago
PROJECT: DeBack Drive Infrastructure
BID OPENING DATE: October 23, 2019

BASE BID				UPI, LLC		SUPER EXCAVATORS, INC.		VEIT & COMPANY, INC.	
ITEM #	ITEM DESCRIPTION	UNIT	QTY.	UNIT \$	TOTAL	UNIT \$	TOTAL	UNIT \$	TOTAL
36	Water main valves, 8-inch gate valve	EA.	2	\$2,100.00	\$4,200.00	\$2,400.00	\$4,800.00	\$2,300.00	\$4,600.00
37	Water main valves, 12-inch gate valve	EA.	13	\$3,350.00	\$43,550.00	\$3,200.00	\$41,600.00	\$3,675.00	\$47,775.00
38	Storm sewer main, 12-inch RCP, w/granular backfill	L.F.	199	\$65.00	\$12,935.00	\$115.00	\$22,885.00	\$70.00	\$13,930.00
39	Storm sewer main, 15-inch RCP, w/granular backfill	L.F.	731	\$65.00	\$47,515.00	\$85.00	\$62,135.00	\$74.00	\$54,094.00
40	Storm sewer main, 18-inch RCP, w/granular backfill	L.F.	164	\$85.00	\$13,940.00	\$90.00	\$14,760.00	\$90.00	\$14,760.00
41	Storm sewer box culvert, 8' x 4' RCP, w/granular backfill	L.F.	168	\$660.00	\$110,880.00	\$950.00	\$159,600.00	\$804.00	\$135,072.00
42	Storm sewer box culvert, 8' x 5' RCP, w/granular backfill	L.F.	192	\$735.00	\$141,120.00	\$1,000.00	\$192,000.00	\$833.00	\$159,936.00
43	Concrete storm sewer end sections, 15-inch	EA.	2	\$1,235.00	\$2,470.00	\$1,500.00	\$3,000.00	\$1,800.00	\$3,600.00
44	Concrete storm sewer end sections, 18-inch, w/end grate	EA.	1	\$1,615.00	\$1,615.00	\$2,300.00	\$2,300.00	\$1,860.00	\$1,860.00
45	8' x 4' precast concrete box culvert end sections	EA.	2	\$6,100.00	\$12,200.00	\$10,000.00	\$20,000.00	\$8,560.00	\$17,120.00
46	Twin 8' x 5' concrete box wingwall sections	EA.	2	\$25,400.00	\$50,800.00	\$60,000.00	\$120,000.00	\$29,000.00	\$58,000.00
47	Storm sewer manholes, 48-inch w/frame and cover	EA.	4	\$2,370.00	\$9,480.00	\$1,800.00	\$7,200.00	\$3,300.00	\$13,200.00
48	Catch basin, w/frame and grate	EA.	16	\$2,780.00	\$44,480.00	\$2,600.00	\$41,600.00	\$3,300.00	\$52,800.00
49	Storm frame and grate replacement	EA.	1	\$1,700.00	\$1,700.00	\$1,500.00	\$1,500.00	\$903.00	\$903.00
50	Construct roadway to subgrade	L.S.	1	\$133,700.00	\$133,700.00	\$405,000.00	\$405,000.00	\$115,000.00	\$115,000.00
51	Excavation below subgrade	C.Y.	880	\$14.00	\$12,320.00	\$15.00	\$13,200.00	\$30.00	\$26,400.00
52	Geotextile subgrade stabilization	S.Y.	2,640	\$4.00	\$10,560.00	\$5.00	\$13,200.00	\$2.75	\$7,260.00
53	Excavation below subgrade (EBS) backfill	TON	1,760	\$26.00	\$45,760.00	\$25.00	\$44,000.00	\$19.75	\$34,760.00
54	Crushed aggregate for road base	TON	5,730	\$24.90	\$142,677.00	\$25.00	\$143,250.00	\$16.00	\$91,680.00
55	30-inch concrete curb and gutter	L.F.	2,815	\$20.00	\$56,300.00	\$18.00	\$50,670.00	\$23.00	\$64,745.00
56	Concrete curb and gutter replacement	L.F.	48	\$83.00	\$3,984.00	\$60.00	\$2,880.00	\$90.00	\$4,320.00 **
57	Asphaltic concrete binder course	TON	1645	\$75.00	\$123,375.00	\$65.00	\$106,925.00	\$75.00	\$123,375.00
58	Asphaltic concrete surface course	TON	675	\$74.00	\$49,950.00	\$80.00	\$54,000.00	\$83.00	\$56,025.00
59	Colored stamped concrete island	S.F.	252	\$29.00	\$7,308.00	\$25.00	\$6,300.00	\$32.00	\$8,064.00
60	Concrete sidewalk and curb ramp	S.F.	13,400	\$5.00	\$67,000.00	\$5.00	\$67,000.00	\$5.00	\$67,000.00
61	Detectable Warning Field	S.F.	140	\$43.00	\$6,020.00	\$60.00	\$8,400.00	\$46.00	\$6,440.00
62	Decorative metal fence	L.F.	1,035	\$72.00	\$74,520.00	\$75.00	\$77,625.00	\$74.00	\$76,590.00
63	Pavement marking, epoxy, 18-inch, stop bar	L.F.	53	\$9.00	\$477.00	\$15.00	\$795.00	\$16.25	\$861.25
64	Pavement marking, epoxy, 12-inch yellow diagonal	L.F.	18	\$6.00	\$108.00	\$8.00	\$144.00	\$8.00	\$144.00
65	Pavement marking, epoxy, 6-inch white crosswalk	L.F.	690	\$3.50	\$2,415.00	\$14.00	\$9,660.00	\$15.00	\$10,350.00
66	Pavement marking, epoxy, 4-inch yellow	L.F.	2,264	\$3.00	\$6,792.00	\$1.00	\$2,264.00	\$1.00	\$2,264.00
67	Pavement marking, epoxy, 4-inch white	L.F.	2,410	\$3.00	\$7,230.00	\$1.00	\$2,410.00	\$1.00	\$2,410.00
68	Pavement marking, arrows Type 2	EA.	4	\$208.00	\$832.00	\$250.00	\$1,000.00	\$262.00	\$1,048.00
69	Topsoil, turf grass seed, fertilizer and Class I, Urban, Type A erosion matting	S.Y.	18,700	\$9.00	\$168,300.00	\$9.00	\$168,300.00	\$6.00	\$112,200.00

COST COMPARISON OF BIDDERS

OWNER: Village of Mukwonago
PROJECT: DeBack Drive Infrastructure
BID OPENING DATE: October 23, 2019

BASE BID				UPI, LLC		SUPER EXCAVATORS, INC.		VEIT & COMPANY, INC.	
ITEM #	ITEM DESCRIPTION	UNIT	QTY.	UNIT \$	TOTAL	UNIT \$	TOTAL	UNIT \$	TOTAL
70	Topsoil, native seeding and Class II, Type B erosion mat	S.Y.	4,920	\$5.00	\$24,600.00	\$12.00	\$59,040.00	\$8.70	\$42,804.00
71	Traffic signs	EA.	27	\$120.00	\$3,240.00	\$250.00	\$6,750.00	\$290.00	\$7,830.00
72	Traffic sign posts	EA.	27	\$180.00	\$4,860.00	\$100.00	\$2,700.00	\$175.00	\$4,725.00
TOTAL OF ALL ESTIMATED PRICES (ITEMS 1 - 72)					\$3,355,970.43		\$3,497,425.50		\$3,733,615.95
MANDATORY ALTERNATE BIDS									
MA-1	Traffic control	L.S.	1	\$15,300.00	\$15,300.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00
MA-2	Tracking pad	S.F.	2400	\$2.70	\$6,480.00	\$2.50	\$6,000.00	\$4.00	\$9,600.00
MA-3	Silt fence	L.F.	5690	\$1.50	\$8,535.00	\$2.00	\$11,380.00	\$1.75	\$9,957.50
MA-4	Manufactured slope interruption device	L.F.	555	\$4.50	\$2,497.50	\$100.00	\$55,500.00	\$4.70	\$2,608.50
MA-5	Inlet sediment guards, Type D	EA.	4	\$135.00	\$540.00	\$50.00	\$200.00	\$1.46	\$5.84 ***
MA-6	Clearing, grubbing and tree removal	L.S.	1	\$11,200.00	\$11,200.00	\$9,000.00	\$9,000.00	\$3,900.00	\$3,900.00
MA-7	Temporary seed and mulch	S.Y.	12000	\$0.30	\$3,600.00	\$1.00	\$12,000.00	\$0.58	\$6,960.00
MA-8	Grading - Borrow Site	L.S.	1	\$254,065.00	\$254,065.00	\$500,000.00	\$500,000.00	\$45,000.00	\$45,000.00
MA-9	Placement and compacting Borrow Site excavated material - Outlot Infilling	L.S.	1	\$340,200.00	\$340,200.00	\$100,000.00	\$100,000.00	\$368,000.00	\$368,000.00
MA-10	Storm water detention facility improvements	L.S.	1	\$655,618.00	\$655,618.00	\$200,000.00	\$200,000.00	\$166,575.00	\$166,575.00
MA-11	Storm water facility dewatering	L.S.	1	\$275,000.00	\$275,000.00	\$500,000.00	\$500,000.00	\$92,000.00	\$92,000.00
MA-12	Heavy rip rap	TON	12	\$78.00	\$936.00	\$60.00	\$720.00	\$124.00	\$1,488.00
MA-13	Storm sewer main, 54-inch RCP, w/granular backfill	L.F.	307	\$217.00	\$66,619.00	\$325.00	\$99,775.00	\$180.00	\$55,260.00
MA-14	Concrete storm sewer end sections, 54-inch, w/ end grate	EA.	1	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00	\$4,975.00	\$4,975.00
MA-15	Storm sewer manholes, 96-inch w/frame and cover	EA.	2	\$12,000.00	\$24,000.00	\$9,000.00	\$18,000.00	\$8,600.00	\$17,200.00
MA-16	Topsoil, turf grass seed, fertilizer, and hydro-mulch	S.Y.	8600	\$9.00	\$77,400.00	\$9.00	\$77,400.00	\$3.00	\$25,800.00
MA-17	Topsoil, no-mow seed and hydro-mulch	S.Y.	52400	\$1.00	\$52,400.00	\$7.00	\$366,800.00	\$2.55	\$133,620.00
MA-18	Topsoil, native seeding, and Class II, Type B erosion mat	S.Y.	12525	\$2.80	\$35,070.00	\$11.00	\$137,775.00	\$5.00	\$62,625.00
MA-19	Class III, Type B or C turf reinforcement mat	S.Y.	100	\$9.00	\$900.00	\$20.00	\$2,000.00	\$29.00	\$2,900.00
TOTAL OF ALL MANDATORY ALTERNATE BIDS (MA1-19)					\$1,835,360.50 *		\$2,113,550.00		\$1,013,474.84

* UPI Total: \$1,653,473.50 Should be: \$1835,360.50

** Veit Total: \$3,600 Should be: \$4,320

*** Veit total: \$584.00 Should be: \$5.84

NOTICE OF AWARD - REVISED

Date of Issuance: _____

Contract: DeBack Drive Infrastructure
Bidder: Musson Brothers, Inc.
Address: 1522 Pearl Street
Waukesha, WI 53186

Owner: Village of Mukwonago
Engineer: Ruekert & Mielke, Inc.
Engineer's Project No.: 12-10096.200

TO BIDDER:

You are notified that your Bid dated October 23, 2019, for the above Contract has been accepted by Owner and you are the Successful Bidder and are awarded a Contract for:

DeBack Drive Infrastructure with Mandatory Alternate

The Contract Price of your Contract is: \$ 3,989,190.84

Two (2) copies of the proposed Contract Documents (except Drawings) accompany this Notice of Award, or have been transmitted or made available to Bidder electronically.

Two (2) sets of the Drawings will be delivered separately, or otherwise made available to Bidder electronically.

Bidder must comply with the following conditions precedent within 15 days of the date of issuance of this Notice of Award:

1. Deliver to Engineer one (1) fully executed counterparts of the Contract Documents.
2. Deliver with the executed Agreement the Bid security as specified in the Instructions to Bidders (Article 21), General Conditions (Paragraph 6.01), and Supplementary Conditions (Paragraph SC-6.01).
3. Deliver with the executed Agreement certificates and other evidence of insurance as specified in the General Conditions (Article 6) and the Supplementary Conditions modifying Article 6 of the General Conditions.
4. Village reserves the right to withdraw Mandatory Alternate within 60 days of authorization, in accordance with email correspondence from Contractor dated February 10, 2020.

Failure to comply with these conditions within the time specified will entitle Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within 10 days after you comply with the above conditions, Engineer will return to you one fully executed counterpart of the Agreement.

Owner: VILLAGE OF MUKWONAGO

By: _____
Authorized Signature

Title: _____

Date: _____

Copy: Engineer

00 51 00-1

02/11/20

~12-10096 Deback Drive Infrastructure > 200 Design > Bidding > Recommendation - Mandatory Alternate > 00 51 00 Notice of Award-
Revised.doc~

Ruekert & Mielke, Inc.

Wegner, Jerad

From: Robert Draths <rdraths@mussonbrothers.com>
Sent: Monday, February 10, 2020 1:49 PM
To: Michalski, Michael
Cc: Wegner, Jerad
Subject: RE: Mukwonago Village DeBack Drive

Mike,

Musson Brothers agrees to the 60-day extension as detailed below to allow the Village of Mukwonago to work out the funding for the Mandatory Alternate. It is understood that if Mukwonago is unable to obtain the necessary funding, Mukwonago may elect to withdraw the Mandatory Alternate and just award the Base Bid.

Thank you for the update.

Bob Draths
Musson Brothers, Inc.
1522 Pearl Street
Waukesha, WI 53186
Mobile: (414) 322-9203 | Office: (262) 790-5060

From: Michalski, Michael <mmichalski@ruekert-mielke.com>
Sent: Friday, February 7, 2020 12:43 PM
To: Robert Draths <rdraths@mussonbrothers.com>
Cc: Wegner, Jerad <jwegner@ruekert-mielke.com>
Subject: Mukwonago Village DeBack Drive

Hi Bob,

As we discussed on the phone, the Committee of the Whole voted to approve the Base Bid with the Mandatory Alternate for the DeBack Drive project. The approval must go in front of the Village Board on February 19th for final approval. Due to the overall project cost, the Village is working to secure additional monies to fund the Mandatory Alternate. The Village is requesting a 60 day extension to work out the funding for the Mandatory Alternate and the ability to pull that portion of the project if needed. Regardless, the Village will be constructing the Base Bid of the project and will move forward in Executing the Contract after the Village Board meeting. Thank you for considering this request and we look forward to your decision. If you have any question and/or concerns please feel free to call. Have a great weekend!

Best Regards,
Mike

Michael E. Michalski
Project Engineer



☎ 262-953-3004
☎ 262-391-3552



January 10, 2019

Ms. Cheryl Marotta
Business Manager
St. James Catholic Parish
830 County Road NN East
Mukwonago, WI 53149

RE: Appraisal Report
St. James Parish Excess Land
830 E. Veteran Way
Mukwonago (Village), Waukesha County, Wisconsin 53149

Dear Ms. Marotta:

In accordance with your request, we have performed an appraisal of the above referenced property. This appraisal report sets forth the pertinent data gathered, the techniques employed, and the reasoning leading to our value opinion. This letter of transmittal is not valid if separated from the appraisal report.

The property being appraised represents the excess land of St. James Catholic Parish. The appraised property is located at 830 E. Veteran Way, Mukwonago (Village), Waukesha County, Wisconsin. The site is comprised of one tax parcel, MUKV1967996, which contains a total of approximately 96.47 acre. As noted, we are appraising the excess land of St. James Parish, which was determined to contain approximately 80.78 acres excludes approximately 15.69 acres of land in which St. James Parish improvements are located. The Village of Mukwonago Department of Public Works is in discussions with the owner to purchase approximately 12 acres of the excess land that is adjacent to the Department of Public Works property along the western parcel boundary of the subject property.

The primary purpose of the appraisal is to develop an opinion of the current market value of the entire excess land property. In addition, we have been requested to provide opinions of the market value of the following four components of the excess land assuming they are subdivided as separate legal parcels and have been approved for different land uses:

- Parcel 1 consists of the approximately 12 acres of the excess land that is adjacent to the Department of Public Works property along the western parcel boundary of the subject property. This appraisal assumes institutional or commercial type land use for this parcel.
- Parcel 2 consists of the approximate 4 acres along County Road NN that are in between the main Parish site and Parcel 1. Commercial or institutional use is assumed for Parcel 2.
- Parcel 3 consists of approximately 38.78 acres in the middle of the site is north of the Parish improvements; this area would be proposed for single family residential development.
- Parcel 4 consists of about 26 acres at the north end of the parcel targeted for multi-family residential development. Parcel 4 includes about 12 acres of unbuildable environmental corridor area at the northern edge of the property; the remaining 14 acres is slated for multi-family use.

The client in this assignment is St. James Catholic Parish. The intended use of the report is to assist the property owner with internal planning as the owner considers selling the property. We developed our analyses, opinions, and conclusions and prepared this report in conformity with the Uniform Standards of Professional Appraisal Practice (USPAP) of the Appraisal Foundation; the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute; and the requirements of our client as we understand them.

The acceptance of this appraisal assignment and the completion of the appraisal report submitted herewith are subject to the General Assumptions and Limiting Conditions contained in the report. The findings and conclusions are further contingent upon the following extraordinary assumptions and/or hypothetical conditions, which might have affected the assignment results:

Extraordinary Assumption(s):

- We have made an extraordinary assumption that the land sizes of the various components of the hypothetically split parcels that are estimated using the Waukesha County GIS are correct. If found to be significantly different than the size estimates, we reserve the right to amend the appraisal accordingly.

Hypothetical Condition(s):

- The value of the entire site assumes it has been legally split off from the larger church parcel. In addition to the value of the overall excess land parcel, we have been requested to provide opinions of the market value of four components of the excess land assuming they are subdivided as separate legal parcels and have been approved for different land uses. These four components are identified as Parcels 1-4.

Based on the analysis contained in the following report, our value conclusion is summarized as follows:

CONCLUDED VALUES

Value Type	Value Premise	Value Perspective	Interest Appraised	Effective Date	Indicated Value
Market Value (Whole Site)	As Is	Current	Fee Simple	12/17/2018	\$2,830,000
Values Assuming Rezoned and Split					
Parcel 1 (12 Ac - Institutional)	As Is	Current	Fee Simple	12/17/2018	\$600,000
Parcel 2 (4 Ac - Commercial)	As Is	Current	Fee Simple	12/17/2018	\$300,000
Parcel 3 (38.78 Ac - Single Family)	As Is	Current	Fee Simple	12/17/2018	\$1,090,000
Parcel 4 (26 Ac - Multi Family)	As Is	Current	Fee Simple	12/17/2018	\$910,000

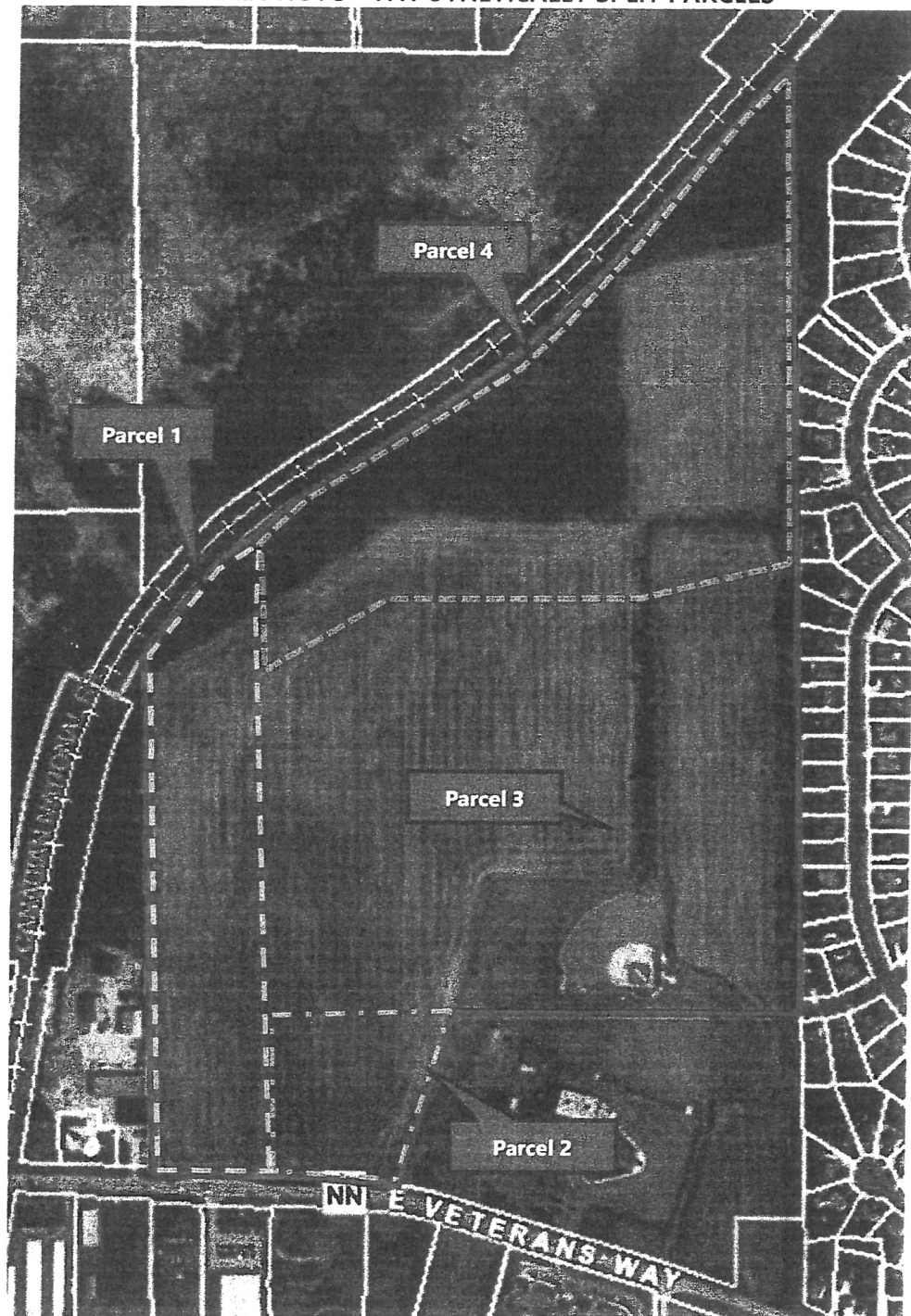
Summary of Salient Facts

Property Name:	St. James Parish Excess Land
Property Location:	830 E. Veteran Way Mukwonago (Village), Waukesha County, Wisconsin
Assessor's Parcel Number:	MUKV1967996 (includes the Parish main site)
Property Rights Appraised:	Fee Simple
Zoning:	R-2, Single-Family Village Residential District
Site Size (Gross Acres):	80.780 acres (per Waukesha County GIS measurements excluding main Parish site)
Parcel 1:	± 12 acres (estimated using Waukesha County GIS)
Parcel 2:	± 4 acres (estimated using Waukesha County GIS)
Parcel 3:	± 38.78 acres (estimated using Waukesha County GIS)
Parcel 4:	± 26 acres (estimated using Waukesha County GIS)
Property Type:	Raw unentitled land
Existing Improvements:	The Parish site is excluded from our analysis; no improvements are included in our analysis.
Highest and Best Use As Vacant:	A mixture of a single-family subdivision, low density multi-family development and commercial use along E. Veterans Way.
Dates of Inspections:	December 4, 2018 and December 17, 2018
Effective Date of Value:	December 17, 2018
Date of Report:	January 10, 2019

VALUE INDICATIONS

Value Type	Value Premise	Value Perspective	Interest Appraised	Effective Date	Indicated Value
Market Value (Whole Site)	As Is	Current	Fee Simple	12/17/2018	\$2,830,000
Values Assuming Rezoned and Split					
Parcel 1 (12 Ac - Institutional)	As Is	Current	Fee Simple	12/17/2018	\$600,000
Parcel 2 (4 Ac - Commercial)	As Is	Current	Fee Simple	12/17/2018	\$300,000
Parcel 3 (38.78 Ac - Single Family)	As Is	Current	Fee Simple	12/17/2018	\$1,090,000
Parcel 4 (26 Ac - Multi Family)	As Is	Current	Fee Simple	12/17/2018	\$910,000

AERIAL PHOTO – HYPOTHETICALLY SPLIT PARCELS



GROUND LEASE

This Ground Lease ("Lease") is made and entered into by and between The Village of Mukwonago, a municipal corporation, having an address at 440 River Crest Court, Mukwonago, Wisconsin 53149, hereinafter referred to as "Landlord," and United States Cellular Operating Company LLC, a Delaware limited liability company, having an address at Attention: Real Estate Lease Administration, 8410 West Bryn Mawr Avenue, Chicago, Illinois 60631, hereinafter referred to as "Tenant."

WHEREAS, Landlord is the fee owner of property with an address of 995 Greenwald Court, Mukwonago, Wisconsin located in the Village of Mukwonago, County of Waukesha, State of Wisconsin legally described in Exhibit A attached hereto and incorporated by reference (the "Landlord's Parcel").

WHEREAS, The Landlord and Tenant, as its predecessor-in-interest, entered into a previous Lease Agreement on January 14, 2002, which is expiring on January 31, 2022; and,

WHEREAS, Tenant desires to continue to occupy, and Landlord is willing to provide Tenant such Premises (as hereinafter defined) on the Landlord's Parcel for Tenant's use, as set forth in this Lease.

NOW THEREFORE, in consideration of the mutual promises, conditions, and other good and valuable consideration of the parties hereto, it is covenanted and agreed as follows:

1. **Option to Lease.**

Landlord hereby grants to Tenant an option (the "Option") to lease from Landlord the following described parcel (the "Leasehold Parcel"):

Approximate dimensions: 30' x 21'

Approximate square footage: 630 sq ft plus existing access and utility easements

Legal descriptions of the Landlord's Parcel and the Tenant's Premises are attached hereto as Exhibit A and a Site Plan of the Leasehold Parcel is attached to the lease as Exhibit B.

2. **Grant of Easements.** Landlord hereby grants to Tenant an access easement thirty (30) feet in width from the Leasehold Parcel to the nearest accessible public right-of-way (the "Access Easement") and a utility easement twelve (12) feet in width to the nearest suitable utility company-approved service connection points (the "Utility Easement"); the Access Easement and the Utility Easement are collectively referred to herein as the "Easements"; the lands underlying the Access Easement and the Utility Easement are collectively referred to herein as the "Easement Parcels," which Easement Parcels are further described in Exhibits "A" & "B" attached hereto and incorporated herein). The Easements granted herein shall include, but not be limited to,

- a. The right to clear vegetation, cut timber, and move earthen materials upon the Easement Parcels,
- b. The right to improve an access road within the Access Easement Parcel,

- c. The right to place use, repair, replace, modify and upgrade utility lines and related infrastructure and equipment within the Utility Easement Parcel,
 - d. The right to enter and temporarily rest upon Landlord's adjacent lands for the purposes of
 - (i) Installing, repairing, replacing and removing the Improvements (as defined below) and any other personal property of Tenant from the Leasehold Parcel and
 - (ii) Improving the Easement Parcels, including the right to bring in and use all necessary tools and machinery, and
 - e. The right of pedestrian and vehicular ingress and egress to and from the Leasehold Parcel at any time over and upon the Access Easement Parcel. The Leasehold Parcel and the Easement Parcels are collectively referred to herein as the "Premises." Landlord agrees to make such additional direct grants of easement, such grants not to be unreasonably withheld, conditioned or delayed, as Tenant may request in order to further the purposes for which Tenant has been granted the easements set forth in this Section 2.
3. Use of the Premises. Tenant shall be entitled to use the Premises to construct, operate, modify as necessary, and maintain thereon a communications facility, an access road, one or more equipment buildings, back-up power devices and a security fence, together with all necessary lines, anchors, connections, devices, legally required signage and equipment for the transmission, reception, encryption, and translation of voice and data signals by means of radio frequency energy and landline carriage (collectively, the "Improvements"); Tenant's use described in this Section 3 is hereinafter referred to as the ("Permitted Use"). Tenant shall have unlimited access to the Premises 24 hours per day, 7 days a week.
4. Term of Lease. The initial Lease term will be five (5) years (the "Initial Term"), commencing upon February 1, 2022 (the "Commencement Date") and terminating at midnight on the day in which the fifth (5th) anniversary of the Commencement Date falls.
5. Option to Renew. The Initial Term of this Lease shall automatically extend for up to three (3) additional terms of five (5) years each (each, a "Renewal Term"), upon a continuation of all the same provisions hereof, unless Tenant gives Landlord written notice of Tenant's intention to terminate the Lease at least sixty (60) days before the expiration of the Initial Term or any Renewal Term.
6. Option to Terminate. Tenant shall have the unilateral right to terminate this Lease at any time by giving Landlord written notice of the date of such termination ("Termination Date"). The Indemnification obligations of each party contained in Section 12 and Tenant's requirement to remove improvements as provided in Section 20 shall survive termination of the Lease.
7. Rent. Tenant shall pay Rent to Landlord in the amount of One Thousand Nine Hundred Seventy-seven and 30/100 dollars (\$1,977.30) per month, the first payment of which shall be due within thirty (30) days of the Commencement Date, and installments thereafter on the first day of each calendar month, provided that Landlord shall submit to Tenant a complete and accurate IRS form W9 prior to Tenant's first payment of Rent. Landlord shall specify the name, address, and taxpayer identification number of a sole payee (or maximum two joint

payees) who shall receive Rent on behalf of the Landlord. Rent will be prorated for any partial month. Any change to the Payee must be requested in accordance with the Notice provision herein, and a new IRS form W9 must be supplied prior to payment by Tenant to the new Payee.

8. Adjusted Rent. At the beginning of each Renewal Term throughout the duration of the Lease as renewed and extended, the Rent shall be increased by twenty percent (20%) over the previous term's Rent.
9. Utilities. Tenant shall solely and independently be responsible for all costs of providing utilities to the Premises, including the separate metering, billing, and payment of utility services consumed by Tenant's operations. The word "utilities" shall mean any service that is necessary for the Tenant to conduct its operations on the Premises and "utility services" shall mean any provider who provides utility services or utility related infrastructure so that the Tenant can conduct its Permitted Use on the Premises.
10. Property Taxes. Landlord shall pay prior to delinquency any real estate taxes attributable to Landlord's Parcel. Tenant shall pay prior to delinquency any personal property taxes levied against Tenant's Improvements. Tenant shall pay to Landlord upon Landlord's demand, any increase in real property taxes levied against Landlord's Parcel which is attributable to Tenant's use or Improvements, provided that Landlord agrees to furnish reasonable documentation of such increase to Tenant. Furthermore, Landlord agrees to give timely notice to Tenant in the event it is notified of an assessment valuation change, or a change in property status. Landlord agrees that Tenant shall have the right to appeal any such change in status or any increase in real estate assessment for the Leasehold Parcel or Tenant's Improvements, and Landlord will reasonably cooperate, but at no cost to Landlord, with any such appeal by Tenant. Tenant shall only be responsible for property tax reimbursements requested by Landlord within one (1) year of payment of such property taxes by Landlord. Landlord's requests to Tenant for reimbursement of such property taxes should be addressed to:

U. S. Cellular
Attention: Mukwonago South/784479
P.O. Box 31369
Chicago, IL 60631-0369

In order to ensure that Tenant's leasehold interest is not extinguished in the event that the real property taxes related to Landlord's Parcel become delinquent, Tenant shall have the right, but not the obligation, to pay delinquent real property taxes related to Landlord's Parcel. Tenant shall be entitled to take a credit against the Rent under this lease for any such taxes paid by Tenant that exceed Tenant's proportionate share thereof.

11. Repairs and Maintenance. Tenant shall be responsible for all repairs and maintenance of the Improvements, including, if applicable, snow removal if Tenant has exclusive control over its access road, and may at its own expense alter or modify the Improvements to suit its needs consistent with the intended use of the Premises. Landlord will maintain the areas surrounding Tenant's Premises. Landlord's maintenance shall include, but is not limited to, if applicable, snow removal if all of or part of the Access Easement is shared between the parties.

12. Mutual Indemnification.

- a. To the extent permitted by law, Tenant agrees to defend, indemnify and save harmless Landlord from and against all claims, losses, costs, expenses, or damages from a third party, arising from
 - (i) The negligence or willful misconduct of Tenant, or its agents, employees, or contractors; or
 - (ii) Any material breach by Tenant of any provision of this Lease. This indemnity and hold harmless agreement will include indemnity against all reasonable costs, expenses, and liabilities incurred in or in connection with any such claim, and the defense thereof. Notwithstanding the foregoing, Tenant will have no liability to Landlord to the extent any claims, losses, costs, expenses, or damages arise out of or result from any act, omission, or negligence of Landlord, or of Landlord's agents, employees or contractors.
- b. To the extent permitted by law, Landlord agrees to defend, indemnify and save harmless Tenant from and against all claims, losses, costs, expenses, or damages from a third party, arising from
 - (i) The negligence or willful misconduct of Landlord or its agents, employees, or contractors; or
 - (ii) Any material breach by Landlord of any provision of this Lease. This indemnity and hold harmless agreement will include indemnity against all reasonable costs, expenses, and liabilities incurred in or in connection with any such claim, and the defense thereof. Notwithstanding the foregoing, Landlord will have no liability to Tenant to the extent any claims, losses, costs, expenses, or damages arise out of or result from any act, omission, or negligence of Tenant, or of Tenant's, agents, employees or contractors.

13. Insurance.

- a. Tenant shall maintain commercial general liability insurance insuring against liability for bodily injury, death or damage to personal property with combined single limits of One Million and No/100 Dollars (\$1,000,000). In addition, Tenant shall maintain worker's compensation in statutory amounts, employer's liability insurance with combined single limits of One Million and No/100 Dollars (\$1,000,000); automobile liability insurance insuring against claims for bodily injury or property damage with combined single limits of One Million and No/100 Dollars (\$1,000,000); and all risk property insurance covering all personal property of Tenant for full replacement value. Tenant shall provide Landlord with evidence of such insurance in the form of a certificate of insurance prior to obtaining occupancy of the Premises and throughout the term of this Lease or any Renewal Term.
- b. Landlord shall maintain general liability insurance insuring against liability for bodily injury, death or damage to personal property with combined single limits of One Million and No/100 Dollars (\$1,000,000). In addition, to the extent required by law, Landlord shall maintain worker's compensation in statutory amounts and employer's liability insurance with combined single limits of One Million and No/100 Dollars (\$1,000,000). Landlord shall provide Tenant with evidence of such insurance in the form of a

certificate of insurance prior to Tenant obtaining occupancy and throughout the term of this Lease or any Renewal Term.

14. Default. Tenant shall be in default of this Lease if Tenant fails to make a payment of rent when due and such failure continues for fifteen (15) days after Landlord notifies Tenant in writing of such failure. If Landlord or Tenant fails to comply with any non-monetary provision of this Lease, the other party shall serve written notice of such failure upon the defaulting party, whereupon a grace period of thirty (30) days shall commence to run during which the defaulting party shall undertake and diligently pursue a cure of such failure at its sole cost and expense. Such grace period shall automatically be extended for an additional thirty (30) days, provided the defaulting party makes a good faith showing that efforts toward a cure are continuing.
15. Compliance with Laws. Tenant shall, at Tenant's cost and expense, comply with all federal, state, county or local laws, rules, regulations and ordinances now or hereafter enacted by any governmental authority or administrative agency having jurisdiction over the Premises and Tenant's operations thereupon.
16. Assignment of Lease by Tenant. This Lease shall be freely assignable by the Tenant to any other party without the necessity of obtaining Landlord's consent. Tenant's right to effect an outright transfer of the Lease, and the right of any collateral assignee to seize the Premises as defaulted security, is subject only to the limitation that the Premises shall be used for the purposes permitted herein. Tenant shall notify Landlord in writing of the name and address of any assignee or collateral assignee.
17. Subleasing. Tenant shall have the unreserved and unqualified right to sublet or license all or any portion of the Premises to subtenants without the necessity of obtaining Landlord's consent.
17. Right of First Refusal. Tenant (or its successor in interest, assignee or designee) shall have a right of first refusal ("Right of First Refusal") to purchase (a) all or any part of the fee ownership of the Premises; (b) any easement rights in or over all or any part of the Premises; (c) all or any part of Landlord's interest in or rights under this Lease, including, without limitation, the right to collect rents, or (d) any other legally recognizable interest in the Premises that Landlord may seek to transfer (each, "Landlord's Interest") whenever Landlord receives a bona fide offer from an unrelated third party to purchase, directly or indirectly, all or any part of Landlord's Interest that Landlord desires to accept ("Offer"). If the Offer is part of a larger transaction, including, without limitation, involving Landlord's Parcel, equity of Landlord or a larger package of assets which includes the Landlord's Interest, Landlord shall make a good faith estimate of the portion of such larger offer price attributable to the Landlord's Interest and provide that price to Tenant. Prior to accepting such Offer, Landlord shall give Tenant a copy of the Offer and other relevant documents, including the price and the terms and conditions upon which Landlord proposes to transfer Landlord's Interest (collectively, the "Right of First Refusal Notice"). Tenant shall have forty-five (45) days from the receipt of such notice to agree to purchase Landlord's Interest for the price and upon the terms and conditions specified in the Offer ("Tenant Approval Period").

If Tenant elects to so purchase Landlord's Interest, Tenant shall give to Landlord written notice thereof within said Tenant Approval Period ("Acceptance Notice"). If Tenant delivers an Acceptance Notice as provided herein, then Landlord and Tenant shall enter into a

mutually acceptable purchase and sale agreement pertaining to such Landlord's Interest (the "Purchase and Sale Agreement"), reflecting the terms of the Offer, as well as other customary covenants, representations and warranties contained in purchase and sale agreements for similar acquisitions in the metropolitan area in which the Premises is located. The parties agree to act reasonably and cooperatively in negotiating, executing and delivering the Purchase and Sale Agreement. Except as otherwise specified in the Offer, at the closing for the sale of all or any part of the Premises, Landlord shall deliver to Tenant a special warranty deed (or local equivalent), sufficient to convey to Tenant fee simple title. In the case of an assignment of the Lease or the grant of an easement, Landlord shall instead deliver to Tenant a customary assignment of the Lease or a customary easement.

If Tenant does not exercise the Right of First Refusal during the Tenant Approval Period, then Landlord may proceed to transfer Landlord's Interest upon the same terms and conditions set forth in the Offer; provided such transfer occurs within three (3) months following the end of the Tenant Approval Period, the transfer is made in accordance with all the other terms and conditions of this Lease, and such purchaser assumes the obligations of Landlord under this Lease including, without limitation, this Right of First Refusal which shall be an ongoing Right of First Refusal during the lease term. If Landlord has not transferred Landlord's Interest within such three (3) month period, or in the event any terms or conditions of the proposed deal change from the terms and conditions provided in the initial Right of First Refusal Notice, then Landlord shall not thereafter transfer Landlord's Interest to an unrelated third party without first renewing the Right of First Refusal Notice to Tenant in the manner provided above. Tenant's failure to exercise its Right of First Refusal or its express waiver of its Right of First Refusal in any instance shall not be deemed a waiver of Tenant's Right of First Refusal for subsequent instances when Landlord proposes to transfer Landlord's Interest to an unrelated third party during the lease term. Notwithstanding the foregoing, Landlord's right to sell all or any part of the Premises to a third party shall not be encumbered or restricted, except to the extent set forth in this Section.

18. Execution of Other Instruments. Landlord agrees to execute, acknowledge, and deliver to Tenant such other instruments respecting the Premises as Tenant or Tenant's lender may reasonably request from time to time. Such instruments may include, but are not limited to, a memorandum of lease that may be recorded in the appropriate local land records. Landlord also agrees to cooperate with Tenant's efforts to obtain all private and public consents related to Tenant's use of the Premises, including, but not limited to zoning and permitting applications. If it is needed for the Tenant's permitting purposes, Landlord grants to Tenant and its employees, representatives, agents, and consultants a limited power of attorney to prepare execute, submit, file and present on behalf of Landlord building, permitting, zoning, or land-use applications with appropriate local, state, and/or federal agencies necessary to obtain land use changes, special exceptions, zoning variances, conditional use permits, special use permits, administrative permits, construction permits, and or building permits.
19. Removal of Improvements. The Improvements are agreed to be Tenant's personal property and shall never be considered fixtures to the Premises. Tenant shall at all times be authorized to remove the Improvements from the Premises. Upon the expiration or earlier termination of this Lease, Tenant shall remove the above ground improvements from the Premises.

Tenant shall be entitled to abandon, in place, all footings, foundations and other below ground improvements.

20. Quiet Enjoyment. Landlord covenants that Tenant shall have quiet and peaceable possession of the Premises throughout the Initial Lease Term and any Renewal Term, if any, as the case may be, and that Landlord will not intentionally disturb Tenant's enjoyment thereof as long as Tenant is not in default under this Lease.
21. Title, Access and Authority. Landlord covenants and warrants to Tenant that Landlord presently owns a legally defined interest in and to Landlord's Parcel; that the Premises are served by legal access from a public way; that Landlord is duly authorized and empowered to enter into this Lease; and that the person executing this Lease on behalf of the Landlord warrants himself to be duly authorized to bind the Landlord hereto.
22. Subordination and Non-Disturbance. Tenant agrees to subordinate this Lease to any mortgage or trust deed which may hereafter be placed on the Premises, provided the mortgagee or trustee thereunder shall ensure to Tenant the right to possession of the Premises and other rights granted to Tenant herein so long as Tenant is not in default beyond any applicable grace or cure period, such assurance to be in writing and otherwise in form and substance reasonably satisfactory to Tenant. If requested by Tenant, Landlord agrees to use Landlord's best efforts to assist Tenant in obtaining from any holder of a security interest in Landlord's Parcel a non-disturbance agreement in form and substance reasonably satisfactory to Tenant.
23. Environmental Warranty. Landlord hereby represents and warrants to Tenant that Landlord has never generated, stored, handled, or disposed of any hazardous waste or hazardous substance upon the Premises, and that Landlord has no knowledge of such uses historically having been made of the Premises or such substances historically having been introduced thereon. Notwithstanding the foregoing, Landlord agrees to protect, indemnify and hold harmless Tenant from and against any claims or losses arising out or related to the presence or release of any hazardous substances at, on or beneath the Premises, whether existing prior to the date hereof or migrating onto the Premises during any portion of the Term, except to the extent caused by a spill or release of hazardous substances specifically brought on the Premises by or for the benefit of Tenant after the Commencement Date.
24. Notices. Any notice, request or demand required or permitted to be given pursuant to this Lease shall be in writing and shall be deemed sufficiently given if delivered by messenger at the address of the intended recipient, sent prepaid by Federal Express (or a comparable guaranteed overnight delivery service), or deposited in the United States first class mail (registered or certified, postage prepaid, with return receipt requested), addressed to the intended recipient at the address set forth below or at such other address as the intended recipient may have specified by written notice to the sender in accordance with the requirements of this paragraph. Any such notice, request, or demand so given shall be deemed given on the day it is delivered by messenger at the specified address, on the day after deposit with an overnight delivery service), on the date the receipt is refused, or on the day that is five (5) days after deposit in the United States mail, as the case may be.

TENANT: United States Cellular Operating Company LLC
Attention: Real Estate Lease Administration

8410 West Bryn Mawr Avenue
Chicago, Illinois 60631
Phone: 1-866-573-4544

LANDLORD: The Village of Mukwonago
c/o Mark Blum, Village Attorney
720 Clinton Street
P.O. Box 766
Waukesha Wisconsin 53187-0766
Phone: 262-549-8181

25. Contingencies. Tenant shall have the right to terminate this Lease upon written notice to Landlord, relieving both parties of all further obligations hereunder, if Tenant, acting reasonably and in good faith, shall be unable to obtain any or all licenses or permits required to construct its intended improvements upon the Premises or conduct Tenant's business at the Premises at any time during the Term; if Tenant's technical reports fails to establish to Tenant's satisfaction that the Premises are capable of being suitably engineered to accomplish Tenant's intended use of the Premises; if the Premises are taken by eminent domain by a governmental entity or a title commitment or report obtained by Tenant with respect to the Premises shows as exceptions any encumbrances or restrictions which would, in Tenant's opinion, interfere with Tenant's intended use of the Premises.
26. Attorneys' Fees. In any action on this Lease at law or in equity, the prevailing party shall be entitled to recover from the other party the reasonable costs incurred by such party in such action, including reasonable attorneys' fees and costs of appeal.
27. Governing Law. This Lease will be governed by and construed in accordance with the laws of the State in which the Premises is located.
28. Binding Effect. All of the covenants, conditions, and provisions of this Lease shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.
29. Entire Agreement; Waiver. This Lease constitutes the entire agreement of the parties, and may not be modified except in writing signed by the party against whom such modification is sought to be enforced. No waiver at any time of any of the provisions of the Lease will be effective unless in writing. A waiver on one occasion will not be deemed to be a waiver at any subsequent time.
30. Modifications. This Lease may not be modified, except in writing signed by both parties.
31. Recording. Each party, on request of the other, agrees to execute a short form lease in recordable form and complying with applicable laws and reasonably satisfactory to both parties, which will be recorded in the appropriate public records.
32. Holdover. In the event Tenant remains in possession of the Premises after the expiration of this Lease, this Lease will become a year to year tenancy, that can be terminated by either Landlord or Tenant with thirty (30) day notice before the end of the first year to year tenancy. Tenant shall pay, as Rent, during such holdover, a rent equal to one hundred-ten percent (110%) of the Rent payable immediately prior to the expiration or earlier Termination Date of this Lease. Except as otherwise provided for herein, all other covenants and conditions of

this Lease shall remain unchanged and in full force and effect. Provided that the Landlord and Tenant are diligently working on the renewal and/or extension of the Lease, the increase in the Rent shall not be applied for any period after the expiration of the Lease.

33. Headings. The section headings throughout this instrument are for convenience and reference only, and are not to be used to explain, modify, amplify or aid in the interpretation, construction or meaning of the provisions of this Lease.
34. Invalidity of Particular Provision. If any term or provision of this Lease, or the application of such term or provision to any person or circumstance, to any extent, is invalid or unenforceable, the remainder of this Lease, or the application of such term or provision to persons or circumstances other than those as to which it is invalid or unenforceable, will not be affected and each term and provision of this Lease will be valid and be enforced to the fullest extent permitted by law.
35. Remedies. The parties shall be entitled to the application of all appropriate remedies available to them under state and federal law in the enforcement of this Lease.
36. Errors and Omissions. Landlord and Tenant agree as part of the basis of their bargain for this Ground Lease to cooperate fully in executing any and all documents (including amendments to this Ground Lease) necessary to correct any factual or legal errors, omissions, or mistakes, and to take any and all additional action, that may be necessary or appropriate to give full force and effect to the terms and intent of this Ground Lease.
37. Non-Binding Until Full Execution. Both parties agree that this Lease is not binding on either party until both parties execute the Lease.
38. Electronic Reproductions. The Parties agree that a scanned or electronically reproduced copy or image of this Lease, as executed, shall be deemed an original 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.

[END OF LEASE - SIGNATURE PAGE FOLLOWS]

SIGNATURE PAGE

IN WITNESS WHEREOF, the parties hereto bind themselves to this Ground Lease as of the date of full execution of this Ground Lease.

LANDLORD: Village of Mukwonago

TENANT: United States Cellular Operating
Company LLC

By: _____

By: _____

Printed: _____

Printed: _____

Title: _____

Title: Vice President

Date: _____

Date: _____

[NOTARY PAGE TO FOLLOW]

STATE OF Wisconsin)
COUNTY OF Waukesha)

I, the undersigned, a notary public in and for the State and County aforesaid, do hereby certify that The Village of Mukwonago Village Board and Fred Winchowky, President, known to me to be the same person(s) whose name(s) (is) (are) subscribed to the foregoing Ground Lease, appeared before me this day in person and (severally)acknowledged that (he) (she) (they) signed the said Lease as (his) (her) (their) free and voluntary act for the uses and purposes therein stated.

Given under my hand and seal this ____ day of _____, 20__.

Notary Public

My commission expires_____

STATE OF ILLINOIS)
COUNTY OF COOK)

I, the undersigned, a notary public in and for the State and County aforesaid, do hereby certify that _____, Vice President, for United States Cellular Operating Company LLC, known to me to be the same person whose name is subscribed to the foregoing Ground Lease, appeared before me this day in person and acknowledged that, pursuant to his authority, he signed the said Lease as his free and voluntary act on behalf of the named Tenant, for the uses and purposes therein stated.

Given under my hand and seal this ____ day of _____, 20__.

Notary Public

My commission expires_____

Exhibit A

Legal Descriptions

The land referred to herein below is situated in the City of Mukwonago, County of Waukesha, State of Wisconsin and is described as follows:

Tract 1:

Parcel 2 of Certified Survey Map #6320 being a subdivision of that part of the East 1/2 of the NE 1/4 of Section 35, T5N, R18E, in the Village of Mukwonago, Waukesha County, Wisconsin.

Tract 2:

Outlot Four (4) Mukwonago Estates, being Part of the Southeast One-Quarter (1/4) of Section Thirty-Five (35), Township Five (5) North, Range Eighteen (18) East, in the Village of Mukwonago, County of Waukesha, State of Wisconsin.

Parcel ID #MUKV2012218 and MUKV2009978002

This being a portion of the same property conveyed to Greenwald Family Limited Partnership, a Wisconsin limited partnership from Darwin N. Greenwald and Donna E. Greenwald, husband and wife in a deed dated April 29, 2002 and recorded April 30, 2002, as Instrument No. 2795848.

This being the same property conveyed to Village of Mukwonago, a municipal corporation from Waukesha County, a municipal corporation, in a deed dated October 15, 1985 and recorded October 17, 1985, as Instrument No. 1317277.

Property Commonly Known As: **995 Greenwald Court Mukwonago, WI 53149**

Exhibit B

Site Plan