



Office of the Clerk/Treasurer
W240 N3065 Pewaukee Road
Pewaukee WI 53072
Phone: 262-691-0770

**COMMON COUNCIL
MEETING NOTICE AND AGENDA
Monday, June 15, 2026
6:30 PM**

Pewaukee City Hall Common Council Chambers
W240N3065 Pewaukee Road, Pewaukee, WI

1. Call to Order and Pledge of Allegiance
2. Public Comment - Please limit your comments to two minutes. If further time for discussion is needed, please contact your District Alderperson prior to the meeting.
3. Consent Agenda
 - 3.1 Approve the Appointment of Doug Brahm to the Fire Commission - Term Ending 5/1/2031 (*Replacing Lloyd Bertram*) [Chief Bierce]
 - 3.2 Approve Common Council Meeting Minutes Dated March 2, 2026 [Tarczewski]
 - 3.3 Approve Common Council Meeting Minutes Dated April 20, 2026 [Tarczewski]
 - 3.4 Approve Common Council Meeting Minutes Dated May 18, 2026 [Tarczewski]
 - 3.5 Approve Common Council Meeting Minutes Dated June 1, 2026 [Tarczewski]
 - 3.6 Approve the Accounts Payable Listing Submitted June 15, 2026 [Tarczewski]
4. Licensing
 - 4.1 **PUBLIC HEARING**, Discussion and Possible Action Regarding the 2026-2027 Liquor License Renewal Requests and Agent Appointments [Tarczewski]
5. Water & Sewer Utility
 - 5.1 Discussion and Possible Action Regarding **Resolution 26-06-14** Wisconsin Department of Natural Resources NR208 Compliance Maintenance Resolution 2025 [Wagner/Mueller]
 - 5.2 Discussion and Possible Action to Adopt **Ordinance 06-04** Sanitary Sewer Ordinance (*First Reading*) [Wagner/Mueller]
 - 5.3 Discussion and Possible Action Regarding the 2025 Annual Consumer Confidence Report [Mueller/Kincaid]
 - 5.4 Discussion and Possible Action Regarding Mandatory Sewer Connections on Various Assessment Districts [Wagner/Mueller]
 - 5.5 Discussion and Possible Action Regarding Well #8 PFAS Pilot Study [Mueller/Kincaid]
 - 5.6 Discussion and Possible Action to Adopt **Resolution 26-06-15** Relocation Order for the Kopmeier

Bay Sanitary Sewer Replacement [Wagner]

- 5.7 Discussion and Possible Action regarding Safe Drinking Water Loan Applications [Wagner/Mueller]
 - 1. Adopt **Resolution 26-06-16** Declaring Official Intent to Reimburse Expenditures for Safe Drinking Water Fund Program Well #8 PFAS Treatment Facility and Improvements
 - 2. Adopt **Resolution 26-06-17** Acknowledging Magdelene Wagner, P.E., Director of Public Works, as Authorized Representative for the City of Pewaukee Well #8 Treatment System, Improvements, and All Related Activities.
 - 3. Adopt **Resolution 26-06-18** Declaring Official Intent to Reimburse Expenditures for Safe Drinking Water Fund Program Well #13 Source Well Replacement and Related Improvements.
 - 4. Adopt **Resolution 26-06-19** Acknowledging Magdelene Wagner, P.E., Director of Public Works, as Authorized Representative for the City of Pewaukee Well #13 Source Well Replacement and All Related Activities.

6. Engineering

- 6.1 Discussion and Possible Action Regarding The Courtyard [Wagner]
 - 1. Approve the Developer's Agreement
 - 2. Approve the Financial Guarantee value of \$675,000.

7. New Business

- 7.1 Discussion and Possible Action on Whether to Hold, Reschedule or Cancel the First Meeting In September Due to the Labor Day Holiday [Mayor Bierce]

8. Public Comment - Please limit your comments to two minutes. If further time for discussion is needed, please contact your District Alderperson prior to the meeting.

9. Adjournment

Kelly Tarczewski
Clerk/Treasurer
June 11, 2026

NOTICE

It is possible that members of other governmental bodies of the municipality may be in attendance to gather information that may form a quorum at the above stated meeting. No action will be taken by any governmental body other than the governmental body specifically referred to above in this notice.

Any person who has a qualifying disability under the Americans with Disabilities Act that requires the meeting or materials at the meeting to be in an accessible format must contact the Clerk/Treasurer, Kelly Tarczewski, at (262) 691-0770 three business days prior to the meeting so that arrangements may be made to accommodate your request.

In Attendance: Mayor Bierce, Alderpersons C. Brown, B. Dziwulski, R. Reinbold, S. Tabbert, P. Vetterkind and J. Wamser.

Also In Attendance:

Attorney S. Riffle, Administrator S. Klein, DPW Director M. Wagner, Utility Manager J. Mueller and City Planner & Community Development Director N. Fuchs.

1. Call to Order and Pledge of Allegiance

Mayor Bierce called the meeting to order at 6:30 p.m. and asked everyone to stand for the Pledge of Allegiance.

2. Public Hearing

2.1 Public Hearing, Discussion, and Possible Action Regarding the Wethersfield Road Rehabilitation Project

1. Accept the Preliminary Engineers Report
2. Award the Contract to the Lowest Qualified Bidder, Payne & Dolan, in the Amount of \$1,307,289.09

Ms. Wagner stated the road rehabilitation project for Wethersfield Subdivision includes Long Valley Court, Long Valley Road, Ridgeside Court, and Wethersfield Road. She said the roads all have a PAZER rating of 4. She reminded the Council that the rating goes from 1 to 10, with 10 being a newly paved road and 1 almost being a gravel road. Ms. Wagner stated all the existing asphalt will be removed, any unstable roadway base will be repaired, and any unstable subgrade will be undercut and repaired and new asphalt will be laid. She also said minor curb and gutter repairs will be done. They will also work on water valves, sewer manholes, storm inlets, and hydrants as needed.

Ms. Wagner stated a public information meeting was held on November 18, 2025 which was well attended.

Ms. Wagner stated four bids were received with the highest bid being \$1,508,253, and the low bid was from Payne and Dolan in the amount of \$1,307,289.09. She said Payne and Dolan has done previous work for the City and they have no concerns about awarding the contract to them.

Ms. Wagner stated since 1984 the City has assessed the properties that benefitted from the road projects based on their address, driveway, or public access to the roadway that is being paved. She said the road assessment projects are capped for residential properties and the 2026 rate is \$3,411. She said there are some lowland conservancy lots within this project that are capped at \$1,079. She said the capped assessments within this project only cover 18 percent of the total project costs.

Ms. Wagner explained that assessment methods are based off of front footage, acreage, or by unit to determine what is most equitable. She stated in this case they are using the per unit method. She noted that this project is unique because the

condominiums are on a private road, but they will still receive an assessment since they access their properties from the public roadway.

Ms. Wagner stated the compiled Engineers' report indicates the per unit price would have been \$18,818.05 per unit without the residential cap. She again stated the capped rate was \$3,411 per unit. She explained the property owner could pay over a 10-year period and would accrue simple annual interest on any unpaid balance. This portion would be placed on their annual tax bill. She stated the interest rate has not been determined yet. Yet is based off the rate the City borrows for the project plus an additional 1 percent. The other option they have is to pay in full before October 31st of the year the final assessment notices are sent to the property owners. She indicated that assessments would be finalized once the project is complete and closed out, which is typically 2 years after the completion of the project.

Ms. Wagner stated access is going to be maintained but told the residents they should expect delays during construction. She said driveways will be ramped to allow for easier access. She warned that driveways may be impacted if there are concrete or curb repairs that need to be done, but they will work with the property owner. She said if the property owner's driveway is disturbed it will be replaced with whatever is currently there, so if it is asphalt it will be replaced with asphalt and if it is concrete it will be replaced with concrete.

Ms. Wagner stated notices would be sent to the property owners if there were any impediments within the right-of-way such as landscaping, sprinklers system, or dog fences. The property owner will be asked to either mark or remove them prior to construction.

Ms. Wagner stated the total cost of the project, including engineering services is \$1,699,475.82. The City would be paying \$1,241,991.21. She noted only \$750,000 was allotted for the 2026 budget. She explained the discrepancy was because Wethersfield Road was not part of their original estimate. She said the Storm Water Utility will be paying \$370,313.11 but they had only budgeted \$200,000 for the project. Ms. Wagner stated they did not realize the amount of storm sewer that needed lining. She said since we will be borrowing for this project this year, we will just borrow extra funds to cover the difference. She said the projected cost of the Water Utility is \$41,931.50 and the Sewer Utility cost is \$45,240. Both have adequate funding.

Ms. Wagner recommended the Council approve the preliminary Engineer's report and award the Wethersfield Road rehabilitation project to the lowest qualified bidder of Payne and Dolan in the amount of \$1,307,289.09.

At this time Mayor Bierce opened the Public Hearing.

Charlie Mayer (W224 N3599 Ridgeside Court) asked if all the facts and figures that have been listed were available to the residents. Ms. Wagner stated they are currently available on the City's website. He also asked if the residents of the condominiums that are on the side road near the entrance by the silo would be assessed the same amount. Ms. Wagner stated yes.

Tom Wieland (N35 W22430 Wethersfield Court) stated he was the President of the Wethersfield Condo Association. He asked for clarification on how their properties

about the project since they have no land that abuts the project. He said they have one entry and one exit. He said they are paying ten times the amount of any other property. Mayor asked Mr. Wieland if he was counting their ten condominiums as one unit. Mr. Wieland stated yes. He said the other 50 units have their own driveways and their own access. He said they take care of the road themselves and do all the plowing, but they are still being charged for City plowing services on their tax bill.

Mayor Bierce assured Mr. Wieland at the time of their development the City wasn't in favor of private roads but the Developer insisted and stated the owners of the condominiums would know they are responsible for road repairs. Mayor Bierce stated that may work in theory for the first-time purchaser of the units, but that understanding was not guaranteed when the units are sold and purchased by others. Mayor Bierce stated since they were designated private roads the Developer was able to put in more units because the roads aren't to City standards.

Mr. Wieland said since the City allowed the Developer to do whatever he wanted, and there are ten properties paying assessments for an abutting road. Ms. Wagner stated his private road abuts to the public road which he uses to gain access to his unit. He argued it was just one access point, and they shouldn't be paying for ten. Ms. Wagner stated they believe the residential unit assessment method is the most equitable.

Mr. Reinbold stated the condominiums in Five Fields were assessed the residential unit assessment for one road, as well as Broken Hill for the frontage road where the townhouses are.

Ms. Brown added Meadowbrook Farms was assessed per unit as well and it equated to hundreds of units for the Fieldhack Project.

A gentleman asked if the project cost was divided by the number of units. Ms. Brown stated the units within the project area were only paying 18 percent of the total project costs. She said the remaining was being paid by taxpayers. Ms. Wagner stated there were a total of 66 units within the project area.

At this time, no one else expressed an interest in speaking and Mayor Bierce closed the Public Hearing.

Mr. Reinbold asked if the project cost could be lower if the contractor doesn't take out all the stone in the base. Ms. Wagner stated the City estimates the amount of undercutting and it could fluctuate. She said only what is necessary is taken out.

A motion was made and seconded (R. Reinbold, C. Brown) to accept the Engineer's preliminary report and award the contract to the lowest qualified bidder, Payne and Dolan. Motion Approved: 6-For, 0-Against.

3. **Public Comment** – None.

4. **Consent Agenda**

4.1 Approval of Accounts Payable Listing Dated February 26, 2026

A motion was made and seconded (B. Dziwulski, R. Reinbold) to approve the Consent Agenda. Motion Approved: 6-For, 0-Against.

5. Water & Sewer Utility

5.1 Discussion and Possible Action Regarding Village of Lisbon Request for Municipal Water Service to a Targeted Service Area

Ms. Wagner stated the City received a formal letter from the Village of Lisbon (Lisbon) requesting retail water services for a small section of their community which is towards the northeast part of our community. She stated a study of this area was performed back in May of 2025 which was presented to the Public Works Committee (PWC). She stated her records didn't indicate that it was ever presented to the Council. Ms. Brown stated it was discussed at some point asking the Council for their willingness to entertain it and we agreed to the study.

Ms. Wagner stated a well capacity study was completed but with the PFAS situation and our wells on reduced service, we didn't have the capacity to serve them at that time. She stated the Department is going through the process of designing a PFAS treatment system and being part of a pilot study. She said in June they will be submitting an application for a Safe Drinking Water Loan for that project. We expect the construction to take a year and be online about mid-2027, which is the time the Lisbon customers would be coming online after they put in the water main. She said the timing will most likely line up to have the capacity to be able to serve Lisbon. She added several governmental agencies would have to approve of this plan including the Department of Natural Resources (DNR) and the Public Service Commission (PSC). Ms. Wagner stated a rate case study would also have to be performed. She stated Lisbon would be required to pay for installing the water main through that neighborhood, in accordance with our designs and specifications.

Ms. Wagner stated Lisbon wants to install the infrastructure and then turn it over the City, but she stated she is not in favor of that. She wants more control over what that infrastructure looks like if we're going to own and maintain it. She said they can design and bid it, and we oversee it and review the design. The City can then accept the improvements once they are completed.

Ms. Wagner stated she wanted to make sure the Council was in favor of this and whether or not they had additional requirements.

Mayor Bierce asked if the Council was generally on board with servicing Lisbon. Ms. Brown stated she was originally against it since we didn't know what was happening with our own water supply. She said she is still not 100 percent on board but feels some significant progress has been made in solving some of our own water problems. She voiced her concerns about the large plot of land that the property will also hook up to water when it is available. She stated she hoped that was taken under consideration while the study was being done. Ms. Wagner assured her that the build-out for that area was accounted for.

Mr. Tabbert stated he was willing to consider it, but it must be mutually beneficial to both communities. He asked if there was any additional benefit to the City in providing the service.

Mr. Wamser stated he could envision an elevated water tower site in that area to help increase water pressure for our residents. Ms. Wagner stated the pressure in that area is actually very good. She said we would need additional water storage for emergencies in the future, especially if we use Lake Michigan water. She said the homes in this area will be required to connect to water immediately and their wells will be abandoned. Ms. Wagner stated they will pay for the RCAs. She said the benefit would be the newly connected customers who will be using the water and paying the infrastructure costs. She said there may be increased reliability in that area.

Mr. Reinbold asked if this would provide more fire protection in that area. Ms. Wagner stated no, the water pressure is good in that area.

Mr. Klein stated the City provides fire service to Lisbon and thought it would be more beneficial to have public water in that area. Ms. Wagner agreed that a municipal fire hydrant with a municipal feed system would be a better option.

Mayor Bierce asked if those hydrants would be subjected to the City's hydrant fee. Ms. Wagner said yes.

Ms. Brown stated there have been several projects that Engineering has put so much time, energy and resources toward to have the Council deny the project due to the extreme costs. She asked if Lisbon could ultimately decide to cancel the project due to the cost concerns. Ms. Wagner stated she doesn't know all the details, but Lisbon has worked out a deal with the quarry to help finance the project. They have a vested interest in having the wells abandoned. She believes the funds are available and the project will go through.

Mr. Vetterkind stated people are still going to come out and complain because they won't want to abandon their well and they won't want quarterly bills. Attorney Riffle stated he represents Lisbon and the payment will come from the quarry but installation to the house will be the property owners' responsibility.

Ms. Wagner stated our treatment system to bring Well #8 back fully online and operating at 100 percent would give us the capacity to serve Lisbon. She said that project will be done at the same time as they are ready to make those connections. She said they would be building that needed infrastructure this year into next year. She said our PFAS treatment is need whether we stayed with ground water or moved to diversion, because Well #8 would be a backup well.

Mayor Bierce stated he did not see a reason not to continue because we aren't really locking into anything yet but asked if we were being unfair to Lisbon. He doesn't want them to be "stuck" without water. Ms. Wagner stated Lisbon is talking with Sussex to serve the same area. She said we aren't their only hope.

Mr. Dziwulski asked if he was correct in hearing that Ms. Wagner wanted to oversee the installation of the infrastructure in the Town of Lisbon, since the City would own it. Ms. Wagner stated he was correct. He asked who would pay for the replacement in the event something would happen to it. She said it would be the City's infrastructure and we would be responsible to replace it. Mr. Dziwulski asked if the City residents would be expected to pay for it or could the City bill back Lisbon. Attorney Riffle

stated there would be an inter-municipal agreement whereby there would be a pass through of special assessments.

Mr. Klein asked if there were any concerns about infrastructure being placed under private roads or roads that the City doesn't own. Ms. Wagner stated Lisbon would have to dedicate a permanent easement for the City so that we could go in and do anything that was needed to operate the system. She added we would have to repair the road if we opened it up.

Mr. Vetterkind asked if this would be a benefit to the City's rate payers. Ms. Wagner stated this is a difficult question to answer since the City has to maintain the infrastructure. She said that would be a long-term cost for the City. She said Lisbon would be paying their fair share. She said the Public Service Commission (PSC) will look at the total service area, not separate the City of Pewaukee and the Town of Lisbon.

Attorney Riffle stated what he heard was that the new infrastructure most likely would not need repair for about 50 years and in the interim the Lisbon customers would be contributing towards the costs that would be distributed across a broader base of customers.

Mr. Vetterkind stated the service area is sparsely populated.

Ms. Brown stated the letter that was submitted for approval gave the impression that the City is on board, but the conversation tonight doesn't give the same impression.

Mr. Tabbert stated he feels the same way about the letter. He stated he'd like to see the City gain more benefits.

Ms. Wagner stated at this point there isn't much more to learn, until we can look at agreements and determine if a new rate is allowed. Lisbon is asking if we would serve it or not.

Mr. Klein asked if we could sell the water wholesale and let Lisbon bill separately. Ms. Wagner stated they don't have the staff, nor do they want to add staff to do this. She stated they are asking for a retail service.

Mayor Bierce asked what the timeline would be to get a rate from the PSC. Ms. Wagner stated the City would have to submit an application to them which would require a study related to volumes and submit agreements, which we do not have.

Attorney Riffle suggested looking into charging an extra 25 percent surcharge for an extraterritorial fee, even on a retail basis. Ms. Wagner stated they specifically asked the PSC that and we were told we would have to treat them as regular retail customers.

Mayor Bierce suggested holding off until Ms. Wagner could get definitive answers to whether we find an attorney to argue with the PSC to allow the 15 percent surcharge and how we can handle repairs in the future and fully charge Lisbon for them. The Council agreed to hold off on taking action at this time.

6. Engineering

- 6.1 Discussion and Possible Action Regarding Cedar Gables Development
1. Approve the Second Amendment to the Development Agreement.
 2. Approve Additional Financial Guarantee in the Amount of \$131,409.30 for the Phase II Storm Water Management Pond in the Form of a Bond.
 3. Approve the Letter of Credit Second Reduction from \$1,593,053.05 to \$1,224,961.05 (A Reduction of \$368,092.00), Replacing this Value with a Bond.

Ms. Wagner stated Cedar Gables has a Developers Agreement and Letter of Credit for Phase I of their development. She said as they were working through their storm water management plan, they found out that Phase 1 depends on the pond in Phase II to fully meet the storm water ordinance. She said the City is requesting additional financial guarantee in the amount of \$131,409.30 and revision to their Developers Agreement to include the construction of the Phase II pond. She said they want to post a bond.

She stated Cedar Gables also wants to reduce the original Letter of Credit down to \$1,224,961.05 and posting that value in the form of a bond totaling \$499,501.30.

Mayor Bierce asked what the difference between a bond and a letter of credit is. Attorney Riffle stated if the developer defaults on something it is an invitation for the municipality to sue the Bond Company. He stated this form of guarantee requires a great deal of managing and hoops to jump through if the City needs to take care of issues that are unresolved by the developer.

Ms. Brown asked when they would be able to get occupancy in Phase I as soon as the pond in Phase II is completed. Attorney Riffle stated they can have occupancy when the road is in and all the utilities are in. Ms. Wagner stated if the developer doesn't put in the pond, the City has the funds to do so.

A motion was made and seconded (R. Reinbold, B. Dziwulski) to approve the second amendment of the developer's agreement, approve the additional financial guarantee in the form of a bond, and approve the replacement of the letter of credit with a larger value bond. Motion Passed: 6-For, 0-Against.

- 6.2 Discussion and Possible Action Regarding Meadowbrook Farms Phase 3 Road Rehabilitation
1. Accept the Final Engineer's Report
 2. Adopt **Resolution 26-03-01** Levying the Final Special Assessments for Meadowbrook Farms Phase 3 Subdivision Pavement Reconditioning and Related Facilities Pursuant to Section 66.0703, Wisconsin Statutes

Ms. Wagner stated Meadowbrook Farms Phase 3 road construction was bid, a public hearing was held, and a contract was awarded and completed in 2023. She said the final punch list was completed at the end of 2025. She said all that is needed is for the Council to accept the final Engineer's report and adopt the resolution.

Ms. Brown asked if there was a lien on the properties if they sold between 2023 and 2026. Ms. Wagner stated the City would list the project as a preliminary special assessment on all title reports. It is the property owner's responsibility to disclose that to any future buyer but it doesn't become due until the final assessment is levied. Ms. Wagner stated we don't get involved in property sales, and we refer them back to the title company. She said the levy is placed on the property, not the owner.

Attorney Riffle stated usually at closing the seller takes a deduction off of the sale price to pay for that.

A motion was made and seconded (C. Brown, B. Dziwulski) to approve the final Engineer's report and levying the final assessments. Motion Passed: 6-For, 0-Against.

- 6.3 Discussion and Possible Action Regarding ALTA Ridgeview Apartments
1. Adopt **Resolution 26-03-02** Accepting Public Utilities ALTA Ridgeview Apartments Development
 2. Approve the Letter of Credit First Reduction from \$490,000 to \$45,000 (A Reduction of \$445,000)

Ms. Wagner stated the public infrastructure has been constructed consisting of water and sewer. She said the roads and storm sewer are private. She said the one-year guarantee will start once the City accepts the public utilities. She said there are a few minor punch list items that need to be completed. She added that some funds are being kept because they need to complete their surface paving and we worry about our valves and manholes.

Mayor Bierce asked why we won't be happy if they built the houses before the final lift of asphalt. He questioned if the trucks would hurt the asphalt. Attorney Riffle stated inspectors need to get to the work sites as well as emergency vehicles if needed. He added we want hydrants on site. He said it's primarily for public safety.

A motion was made and seconded (J. Wamser, R. Reinbold) to approve the resolution and reduction of the Letter of Credit. Motion Passed: 6-For, 0-Against.

7. New Business

- 7.1 Discussion and Possible Action Regarding the Audit Contract with Baker Tilly Lasting Through 2028

Mayor Bierce stated there have been internal discussions related to Baker Tilly and our accounting firm Lauterbach and Amen (L&A).

Ms. Brown stated she was surprised by what took place at the February 2, 2026 Council meeting, specifically hearing that Paul Frantz from Baker Tilly was disengaging from the auditing contract. She also voiced her concerns related to receiving the 2024 audit report in February of 2026, stating the numbers were stale at that point and no corrections could be made. She said she heard staff and L&A have been struggling with meeting the timelines to get information to Baker Tilly. Ms. Brown stated the City previously engaged in a contract with Baker Tilly until 2028 and disengaging the contract is without the Council's approval. She said the first time she heard of this was when the Finance Committee was asked to look at Request for Proposals (RFPs) received. She stated she didn't feel there was enough transparency related to how we got to this point in the first place. Ms. Brown stated she also voiced her concerns to Mr. Frantz about the amount of money the City pays above the contracted costs. He told her that was due to the timelines constantly changing and not receiving what they need and therefore they took on more work to get items ready. Ms. Brown stated we have a professional accounting firm that

should be providing the information timelier. She said the audit is crucial for budgeting purposes. Ms. Brown stated L&A shouldn't have said they didn't like Baker Tilly as an auditing firm and prepared an RFP for their replacement. Ms. Brown stated she trusts Baker Tilly and appreciates their honesty.

She asked the Council whether or not we should invite Baker Tilly to give us another proposal or if they wanted to direct the Finance Committee to move forward and find a new auditing firm. She stated her preference would be to keep Baker Tilly.

Mr. Dziwulski asked how this process would be made better. Ms. Brown stated she did not know but wanted to get this information out to the Council before making any further decisions. She stated she felt the bigger issue was addressing L&A overstepping and dismissing the agreement that was in place.

Mr. Dziwulski stated the Council members were shocked after hearing that Baker Tilly was disengaging from the contract that evening.

Mr. Klein confirmed the City has been paying Baker Tilly more for the audit services due to staffing shortages. He admitted it has taken a while to get L&A up to speed and believes most of the staff is doing a better job than we had. He said this year there were emails going back and forth between Baker Tilly and L&A with what they needed to complete the audit. He stated he didn't feel they were responding as quickly as they should, so he pushed them a bit.

Mr. Klein stated has a good working relationship with Mr. Frantz and at the time he was advising the City on how to move forward and was possibly willing to take over accounting services for a different firm to audit.

Mr. Klein stated he thought this was the last year of their engagement. It's not an actual contract so it is feasible that either party could opt out of the service. He said there were constant snags with getting the needed information and timing to complete due to other commitments. He said he felt both sides were pointing fingers at the other. He said a meeting was held with staff members and Mr. Frantz. Mr. Klein got the impression that Baker Tilly was not interested in continuing with the services. He said it was L&A's suggestion that the City could go out to look for another auditing firm. Mr. Klein stated Baker Tilly was giving the same letter as other firms were given requesting an RFP. He said it was at that time that Baker Tilly decided to disengage. Mr. Klein stated four proposals were received and staff dwindled it down to two.

Mayor Bierce asked if he knew the letter of engagement went to 2028 if we'd be here today. He asked if he was comfortable with the working relationship with Baker Tilly. Mr. Klein stated if he was asked this question back in October 2025, he would not have been comfortable with Baker Tilly or L&A.

Mr. Frantz was in attendance. He stated it wasn't his intention to share that he was planning on disengaging from the contract at the last meeting he attended but learned that the governing body did not know what had taken place and he felt it was his obligation as the exiting auditor to tell them. He stated from a scheduling standpoint the 2024 audit was scheduled in March of 2025 but due to the loss of staff it had to be pushed out. He stated the 2024 – 2028 engagement letter spelled out what needed to change with L&A to ensure a better execution of the auditing process

moving forward. Mr. Frantz stated when they came out in March it was clear certain items were not completed and left a large “to-do” list and rescheduled the field work into May, made that attempt but needed to reschedule to June and then again to July. He said he spent administrative time shuffling all his clients to ensure adequate time could be spent on the City’s finances. In his frustration he then said Baker Tilly would not touch anymore of the City’s audit until all the required pieces were fully ready to proceed. In September they were able to proceed and shared with Mr. Klein why there was a delay in the audit process. He stated it is his opinion that Baker Tilly communicated at each exit point with management and L&A why there were continued pauses in the work.

Mr. Frantz stated they have served the City since 2019 and said there has not been a year that the City wasn’t billed for out-of-service work. He said L&A needs to provide a senior staff member to review the work that has been done and who will take responsibility for the same.

He said the reason Baker Tilly disengaged was simply because the City asked them to disengage. He stated the reason they did not bid on the RFP was because he asked to have a discussion with staff related to the things that needed to be changed and no one reached out to him to discuss. He said from a business standpoint that was everything he needed to know and that’s why he didn’t bid. Baker Tilly was not wanted. He stated if the City wants to keep them as their auditing firm he would reconsider, but would not be submitting an RFP and could provide a new engagement letter.

He said he was only here this evening simply to share the transparency of the events that took place.

Mayor Bierce asked what Baker Tilly’s timeframe would be. Mr. Frantz stated he was not prepared to respond at this time. He said if everything was 100 percent ready the audit could be done in 2 weeks, and the reporting within 4-6 weeks, potentially at the end of August.

Mr. Reinbold stated we’d have to assume that L&A is prepared.

Mayor Bierce asked if this was all about work product, not misrepresentation related to the City’s funds. Mr. Frantz stated he was not concerned about anything from a material standpoint. He stated he didn’t feel L&A were fully prepared and unable to answer questions that came up.

Mr. Klein stated he feels L&A is getting better.

Ms. Brown stated L&A was chosen because they had government experience, but yet we were given associates who did not possess those skills. Ms. Brown stated she would have thought the audit process would have been better with the level of experience they were supposed to provide the City, not prolong the process. She stated L&A did not have the right to suggest the City disengage our Baker Tilly agreement.

Mr. Klein defended L&A stating they advised us as our accountant. He stated he has had discussions with the president of the company, and they have made changes to better our service.

Mr. Tabbert stated this isn't acceptable and needs to be solved.

Ms. Brown stated hiring a new auditing firm is not going to change what is happening with the City's finances on a month to month and day to day basis. She stated Mr. Frantz has shared what is expected of the City to provide in order for his firm to complete auditing services timely. She stated the City is paying L&A over \$200,000 annually. They are supposedly taking on more than what the previous accountant had done, yet we are being charged more for the auditing services because the documentation that is being produced is not adequate. She stated that's a great deal of money for the taxpayers to endure.

Mr. Klein suggested the Finance Committee hear from L&A. Mayor Bierce disagreed and stated it will be determined at the Council level.

Mr. Klein stated the Council is only hearing Baker Tilly's side of what happened. He said L&A keeps stepping up and he feels we are close to where we should be.

Mayor Bierce stated he feels this is a matter of "he said / she said". He added he did not feel the City was in any position to fire our accountant or our auditing firm. He suggested the Finance Committee meet a few times this year to oversee the process.

Mr. Reinbold stated he doesn't understand why the City's accounting firm cannot provide the documents needed in a timely manner. He stated he also wants a senior partner reviewing the information quarterly with the Finance Committee. He stated they need to be held accountable.

Mr. Klein took exception to that. He said L&A gave the documents to the auditor in midsummer.

Mr. Tabbert stated the worse thing about this was that Council was unaware of these issues until now. Mr. Klein stated that wasn't true. He said Council was updated regarding the delays during the budget process.

Mayor Bierce stated Sikich and CLA should be notified that we are withdrawing the RFPs. He suggested the Finance Committee meet and decide on what is needed from both the accounting firm and the auditors to keep on an appropriate schedule. He stated having both parties there would be useful.

Ms. Brown thanked Mr. Frantz for his honesty. She stated an audit is important for budgeting process and feels it is crucial for decision making.

Mayor Bierce asked Mr. Klein to extend the invitation to L&A to attend a future Council meeting if they wanted to express their frustrations.

7.2 Discussion and Possible Action Regarding Addressing the City's Travel Per Diem

Mayor Bierce stated that currently, the City's per diem is \$8 for breakfast, \$10 for lunch, and \$20 for dinner with receipts. He suggested increasing them to \$110 per day; \$20 for breakfast, \$30 for lunch, and \$50 for dinner. He said he didn't think we should require receipts and just pay them out right. He stated he received kickback for his suggestion.

Mr. Dziwulski stated he thought \$110 was too high.

Mayor Bierce defended his position by stating he used a typical lunch from a casual sit-down restaurant such as Panera's or Applebee's with tip. He said dinners cost more.

Ms. Brown stated she agreed with providing a receipt.

Mr. Reinbold did not like the idea of just giving employees \$110 daily. He said \$110 is more than he gets.

Mr. Wamser stated if an employee is staying at a hotel, breakfast is typically provided.

Attorney Riffle stated he was highly against reimbursing for alcoholic beverages.

After further discussion, a motion was made and seconded (C. Brown, S. Tabbert) to establish the City's travel per diem up to \$100 per day with itemized receipts and not allowing the reimbursement of alcoholic beverages. Motion Passed: 6-For, 0-Against.

7.3 Discussion and Possible Action Regarding Extension of the Lake Patrol Joint Agreement

Mr. Reinbold stated the Pewaukee Lake Patrol Advisory Committee met and they were informed that the 5-year contract is expiring at the end of March and this is a formal request to extend the contract another 5-years. He said there were no changes from the previous contract.

A motion was made and seconded (C. Brown, B. Dziwulski) to extend the Lake Patrol contract for 5 years. Motion Passed: 6-For, 0-Against.

8. Public Comment – None.

9. Closed Session – You are hereby notified that the Common Council and staff of the City of Pewaukee will convene into closed session after all regular scheduled business has been concluded and upon motion duly made and seconded and acted upon by roll-call vote as required under §19.85(1)(a), Stats. The purpose of the closed session is for the following:

- §19.85(1)(e): Deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, where're competitive or bargaining reasons require a closed session specifically regarding Meadowbrook Trail property acquisition.

A motion was made and seconded (R. Reinbold, P. Vetterkind) to convene into Closed Session at approximately 8:45 p.m. Motion Passed Via Roll Call Vote: 6-For, 0-Against.

10. Adjournment – The meeting adjourned at 9:00 p.m. No additional information is available.

Respectfully Submitted

Kelly Tarczewski
Clerk/Treasurer

In Attendance:

Mayor Bierce, Alderpersons: C. Brown, B. Dziwulski, R. Reinbold, S. Tabbert, and J. Wamser. P. Vetterkind was absent and excused.

Also In Attendance:

Attorney S. Riffle, Administrator S. Klein, DPW Director M. Wagner, City Planner & Community Development Director N. Fuchs, and Clerk/Treasurer K. Tarczewski.

1. Call to Order and Pledge of Allegiance

Mayor Bierce called the meeting to order at 6:30 p.m. and asked everyone to stand for the Pledge of Allegiance.

2. Public Comment

Kim Bvocik (N17 W25010 Bluemound Road) stated she was here to address some serious drainage issues that have gone unaddressed for 10-12 years and are now causing structure and safety issues with her home.

Mayor Bierce stated during Public Comment the members of the Council are not allowed to respond to their remarks.

Ms. Bvocik said she sent an email to the Mayor and Alderman Wamser and would appreciate a response. She said she lives across the street from Lakeland and her and her neighbors' properties have completely turned into wetlands.

Mayor Bierce directed her to resend the email again and include Alderman Dziwulski and DPW Director Wagner. He said Ms. Wagner would most likely be the one getting back to her.

3. Consent Agenda

- 3.1 Common Council's Acknowledgment of Receiving the Pewaukee Fire Department's Standard of Cover and Strategic Plan
- 3.2 Approve the Accounts Payable Listing Submitted on April 20th, 2026
- 3.3 Approve the Agent Change for the Heart of America Group Properties: Thunder Bay Grille, The Machine Shed, Holiday Inn and Wildwood Lodge to Keanen Kopplin

Mayor Bierce removed Item #3.1 stating it will be moved to a different agenda.

A motion was made and seconded (J. Wamser, R. Reinbold) to approve the remaining items on the Consent Agenda. Motion Passed: 5-For, 0-Against.

4. Ordinances and Resolutions

- 4.1 Discussion and Possible Action Regarding **Resolution 26-04-09** Updating the Court Costs on the 2026 Fee Schedule

Attorney Riffle stated State law changed, allowing municipalities to increase the

minimum forfeiture amount. He stated that Judge Fuchs supports this changed and asked the Council to approve it.

A motion was made and seconded, (C. Brown, B. Dziwulski) to approve Resolution 26-04-09 raising the City's Court costs. Motion Passed: 5-For, 0-Against.

5. Plan Commission Reports and Recommendations

5.1 Discussion and Possible Action Regarding **Ordinance 26-03** Related to an Accessory Structure Zoning Code Amendment to Revise Section 340-2.9(B)(1)(a) Related to the Size and Quantity of Accessory Structures Allowed on Residential Properties (*Seconded Reading*)

Mr. Fuchs stated recently an issue came up with the current regulations which allow for one larger accessory structure up to 1,200 square feet and a second smaller structure up to 200 square feet. It was strictly worded to allow for a larger detached garage and a smaller shed. He said the proposed ordinance puts it in aggregate, which will allow up to two buildings with the combined footage of up to 1,500 square feet. He stated both Plan Commission and staff recommended approval. Mr. Fuchs added the maximum allowed would still be up to 1,200 square feet. He also mentioned that there were no changes to the setbacks and lot coverage requirements.

A motion was made and seconded (C. Brown, J. Wamser) to approve Ordinance 26-03. Motion Passed: 5-For, 0-Against.

6. Public Comment - None.

7. Closed Session – You are hereby notified that the Common Council and staff of the City of Pewaukee will convene into closed session after all regular scheduled business has been concluded and upon motion duly made and seconded and acted upon by roll-call vote as required under 19.85(1)(a), Stats. The purpose of the closed session is for the following:

- For considering employment, promotion, compensation or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility pursuant to §19.85(1)(c); specifically, to be discussed are City Department Head(s).

You are further notified that at the conclusion of the Closed Session, the Common Council may convene into open session pursuant to 19.85(2), Stats., for possible additional discussion and action concerning any matters discussed in closed session and for adjournment.

Mayor Bierce announced there was no need to go into Closed Session at this time.

8. Adjournment

A motion was made and seconded (B. Dziwulski, C. Brown) to adjourn the meeting at 6:37 p.m. Motion Passed: 5-For, 0-Against.

Respectfully Submitted

Kelly Tarczewski
Clerk/Treasurer

In Attendance:

Mayor Bierce, Alderpersons C. Brown, B. Dziwulski, R. Reinbold, S. Tabbert, and P. Vetterkind. Alderman J. Wamser was absent and excused.

Also In Attendance:

Attorney S. Riffle, Administrator S. Klein, DPW Director M. Wagner, and Clerk/Treasurer K. Tarczewski.

1. Call to Order and Pledge of Allegiance

Mayor Bierce called the meeting to order at 6:30 p.m. and asked everyone to stand for the Pledge of Allegiance.

2. PUBLIC HEARING, Discussion, and Possible Action Regarding Greenhill/Yench Road Reconstruction Project

1. Approve Preliminary **Resolution 26-05-12** Declaring Intent to Exercise Special Assessment Powers Authorizing the Construction of Greenhill/Yench Area Rehabilitation, Drainage, Utility and Related Facilities.
2. Approve **Resolution 26-05-13** Declaring Official Intent to Reimburse Expenditures Greenhill/Yench Rehabilitation, Drainage Improvements, and Miscellaneous Improvements.
3. Accept the Preliminary Engineers Report
4. Award the Contract to the Lowest Qualified Bidder, Musson Brothers, Inc., in the Amount of \$774,412.50.

Ms. Wagner stated Common Council authorized this project in 2024 and it was delayed in 2025 due to potential development that was being discussed in the area, which did not happen, and then the road project became part of the 2026 budget.

She said the road reconstruction includes Greenhill Court, Greenhill Drive, and Yench Road (STH 16 to Lynndale Road (CTH JK)). Ms. Wagner stated the PASER rating of these roads was a "2". She reminded the Council that PASER ratings are rated from 1 to 10 with 10 being a newly paved road.

Ms. Wagner stated the project would consist of removing all the existing asphalt and stone base, repair any unstable subgrade, place new stone base, place new asphalt, culvert replacement, and ditch regrading. She added that a new curb and gutter will be placed on the east side of Yench Road from Lyndale Road to Greenhill Drive due to the steep grade of the roadway and the desire to preserve the healthy mature trees along the route. Ms. Wagner stated a new storm sewer will be placed to accommodate the new curb and gutter which will outlet to the existing ditches along Yench Road and Greenhill Drive.

She said a public informational meeting related to the projects was held on March 12, 2026 at City Hall and was well attended by the residents.

Ms. Wager stated the project was publicly bid in accordance with all State regulations. She said despite the initial interest shown by the various contractors, the

project only had one bidder. Ms. Wagner stated Musson Brothers, Inc., was the sole bid at \$774,412.50. She said even though only one bid was received, the bid is in alignment with the anticipated cost for the project and the City has worked with them in the past and doesn't have any objections to awarding this contract to them.

Ms. Wagner stated since 1984 the City has assessed road projects and curb extensions to the benefited properties with their address or driveway on the roadway being paved. She said the 2026 residential road and curb assessments is capped at \$3,411 and lots that are zoned Lowland / Conservancy are capped at \$1,079.

Ms. Wagner stated assessments are allowed to be calculated in one of three ways: front footage, acreage, or unit. She stated analysis was completed using all three methods and it was determined the unit method was the most fair and equitable for this assessment district. She noted there were significant differences in the front footage for some of the properties for those located within a cul-de-sac or a corner lot. She also said there are several properties with significant acreages with only one residential home and felt this wasn't an equitable way to distribute the cost either. Ms. Wagner stated some of the larger lots could potentially subdivide and therefore included deferred assessments for some. She added the deferred assessments will only become active if the lot further subdivides within 5 years of the final assessment resolution. She stated the deferred assessment rate is not capped.

Ms. Wagner stated the project will be funded in part by the Local Road Improvement Program (LRIP) in the amount of \$30,934.31 and are allocated to the road construction costs reducing the amount assessed to the property owners.

Ms. Wagner stated the preliminary Engineers Report was compiled using the bids and assessment notices were mailed to the affected properties. She said if it wasn't for the residential road cap, the assessment would be \$14,154.58 per unit. She said with the cap it is only 24 percent of the cost. She said one of the lots is zoned lowland conservancy, which has a cap of \$1,079 per unit, which equates to 7.6 percent of the cost. The installation of a new curb along the East side of Yench Road is also assessed at 50 percent of the cost. The other 50 percent of the cost is allocated to the Storm Water Utility. The curb assessment is \$5,077.02 per unit, which is capped at \$3,411 per unit, which equates to 67 percent of the cost.

Ms. Wagner stated the City of Pewaukee allows assessments to be paid over 10 years with any unpaid balance accruing simple, annual interest. She said the assessments will be finalized after the project is complete and closed out, at which time the final resolution would be passed by the Council levying the final assessment values. She said the property owners will have the option to pay the assessment in full (avoiding all interest charges) by October 31st of the year the final resolution is sent to the affected parcels, or it will automatically begin a 10-year payment plan, which is a special charge on the annual tax bill and interest accrues on any unpaid balance. She said the interest rate will be determined by the 2026 borrowing later this year.

Ms. Wagner reported access will be maintained, but residents should expect delays during the construction. She said the driveways will be ramped for access. When curbs are constructed at driveways or culverts are replaced, the contractor will work with the resident for access. She said any driveway removal will be replaced in kind.

She said concrete would be replaced with concrete, and asphalt would be replaced with asphalt. She warned the residents in attendance that any impediments, such as landscaping, sprinkler systems, dog fences, etc. within the City's right of way will need to be marked or removed prior to construction.

Ms. Wagner stated the project came in under the 2026 budgeted amount. She said the lowest bid received was \$774,412.50 and then when engineering, administration, and contingency were added, the total construction project cost was \$1,006,736.25. She stated the project would be allocated in the following manner; the City would pay \$639,581.28, the curb costs would also be paid by the City in the amount of \$20,308.08, and the Stormwater Utility would pay \$346,846.89.

At this time, Mayor Bierce opened the Public Hearing.

Joan Wintersberger (W272 N4542 Yench Road) stated she owns a second parcel, but it is basically a dead-end and it has a gate across the front of the property and has a gravel road. She asked if the gate was going to be torn down and if the road would be extended all the way to Highway 16 or if the gate would stay. Ms. Wagner stated the gate will stay and the project ends at the gate. Ms. Wintersberger asked why the property is being assessed when there is no access to Yench Road. Ms. Wagner stated regardless of whether the property has direct or indirect access and despite the fact that there is a gate across the property, its access is considered to be on Yench Road. That is why Ms. Wintersberger is receiving a special assessment. Ms. Wintersberger stated it wasn't part of the assessment process last time. Mayor Bierce asked Ms. Wagner to look into it further.

Steve Jacobs (W272 N4797 Yench Road) he stated he is the only one losing trees, and will be having his planters and mailbox removed. He asked why he has to pay for a curb. He said they have no water or sewer in that area. He said there are no drainage problems. Ms. Wagner stated curb and gutter were going in on the east side of Yench Road to save the trees. She said if curb and gutters weren't installed, they would have to do ditching along that entire stretch to make sure there is adequate drainage along that right-of-way to accommodate the flows coming down from the hill. She said they would be tearing through the roots of the trees. She said they thought the trees have value, especially the large oak at the intersection of Greenhill Drive and Yench Road. Mr. Jacobs stated they already have a ditch. He said the pine trees on his property that are listed to be removed are close to the culvert that is going to be replaced and the rest of the pine trees have been next to the ditch for 40 years. He said he didn't understand how a curb was going to make a difference. Ms. Wagner stated minimal grading would be needed to install a curb. She said the work needed to regrade the ditches would damage the shallow root system of the pine trees. She said the trees would die within five years. Again, Mr. Jacobs stated he didn't understand why a ditch would hurt the trees. He said all a curb would do would be to speed up the water flow down the hill. He said they don't have a water or drainage problem in that area. Ms. Wagner responded that they plan on putting in the curbs to save the mature trees. She said cutting into their roots would result in a high probability of killing those trees. She said steep ditch swales are hard to stabilize, and they do not want to constantly restore the area. Mr. Jacobs continued asking the same questions regarding the need for the curbs.

David Stromberg (N47 W27115 Greenhill Court) asked how high the gutter was going

to be because it would be difficult to mow grass next to a curb. Ms. Wagner stated the curbing would eliminate the ditch on the property side. She said the land would be flush with the back of the curb.

Kent Rice (W272 N4791 Yench Road) stated they have never had water in their culverts nor flow down Greenhill Drive. He asked who the brilliant consultant was to suggest a curb was needed to solve a problem that doesn't exist. Again, Ms. Wagner stated the curb and gutter was proposed to save the mature trees. Mr. Rice stated there was no reason to save those trees.

Mayor Bierce asked if they were his trees. Mr. Rice said he did not own the trees; they were across the street. Mayor Bierce responded that his neighbor might feel different about their removal.

Mr. Rice said everything he read was that the curbs were being installed to control the water coming down from Yench Road. He stated that problem does not exist. Ms. Wagner stated the curb is multi-functional. She said there is a concern that when they regrade the ditch it will have a steep slope and it will be difficult to stabilize. She added there is water on that side of the roadway. She said there is probably less on the west side. She said if they regrade the ditches the trees would be lost. She said even though the trees are in the right-of-way and they have the right to remove them, they want to save the trees based on their age and condition.

Ms. Wintersberger suggested pitching the road toward the west so the grade of the road would take care of the water. She said there wouldn't be a need for deeper ditches or installing the curb.

Joe Wartzluft (N47 W27215 Greenhill Drive) stated the oak tree was on his property. He asked if it was possible to change the grading. Ms. Wagner stated the oak would be removed without the curb and gutter. She said it is dead center of the swale.

Jeff Mierow stated he is the owner of 30 acres on the west side of the road. He said they had an issue with developing his property due to issues with the storm water. He said the City has a different perception regarding what they think the water does to what the neighbors actually see. He said hardly any water goes down the road. He said the slope is a high spot on the property and north of there the water travels west, and east of there the water travels south. He said some of the water pools at his property. He said he would like a small ditch on his side so that the water stays off his property and would like a culvert installed so that he can access his property.

Debbie Brown (N47 W27100 Greenhill Court) asked what the City is going to do two to three years from now when their design fails and people have water in their basements. She said they have never had a problem with drainage. Ms. Wagner stated there may be various reasons a basement floods but, it doesn't mean the City caused the issue. She said if there was an issue, the property owner would submit a claim to the City, and it would be reviewed. Sometimes we would ask consultants to review as well. After that point it would come to the Council to determine whether or not there was any fault on our end and if necessary, it would go to our insurance company as a claim. In that case they would do their own evaluation and then would come back to the Council. Ms. Brown asked if the City would consider installing the

curb only 20 feet before Greenhill Court. She stated she worried about the snowplows coming through and damaging the curbs. Ms. Wagner stated our snowplow drivers prefer the curbs. She stated the City is trying to save more than just that one oak tree. Ms. Brown stated it would be cheaper to replace trees than to be assessed for this project.

Mr. Stromberg asked if anything was going to be done with Yench Road and the pitch going up to Highway JK. He said the residents need an all-wheel drive to get out of the subdivision in winter. He asked if it was possible to do tree clearing at the top of the hill so that the teenage drivers could see better. Ms. Wagner stated the City could look at site clearing. She did acknowledge that they did look at the elevation of Highway JK but substantial grading would have needed to be done.

Mr. Rice asked what would happen to the mailboxes. Ms. Wagner stated they would be reset.

Aaron Frank (W271 N4717 Greenhill Court) stated the original plans showed a curb installed between him and his neighbor and asked if that was still the case. Ms. Wagner stated there is a 10-foot section to push water to both sides. He said at the informational meeting it wasn't known if that was not going to be part of the assessment or absorbed by the project. Ms. Wagner stated it is not part of the assessment, and it would be 100 percent paid by the Storm Water Utility. Mr. Frank asked if the interest rate was known. Ms. Wagner stated it will be based on the City's upcoming borrowing, with an additional one percent added for administrative fee.

Someone from the audience asked when the project would start. Ms. Wagner stated nothing has been scheduled at this time, but notices will be sent to the property owners that will include contact information. She speculated to start mid-to-late June, and estimated the project would take two months.

Ms. Wintersberger stated she was contacted by the contractor asking about dumping the old asphalt on her property. She said they'd take care of the permits but was concerned because her property is considered wetland. She asked how she should respond to the contractor. Ms. Wagner stated she was not aware of this. She said typically the contractor would take the old asphalt to a milling plant and grind it up and reuse some of the product in their asphalt mix. She stated they would need DNR permits.

Mr. Jacobs asked if they were going to survey gas and electric lines again. Ms. Wagner stated they have been in contact with the utilities and believe WE Energy Gas is doing something ahead of our project. She said there was nothing from WE Energies or cable that was coming as part of the project.

Mayor Bierce closed the Public Hearing at this time.

Ms. Brown stated she wanted to verify the curb and gutter amount. She said she understands 50 percent will be paid by the Stormwater Utility and the other 50 percent will be paid by the property owners. She asked what the total cost was. Ms. Wagner stated the total cost was \$40,000 so the utility would be paying \$20,000 and the other \$20,000 would be assessed to the property owners. Ms. Brown stated this was a unique situation installing the curbs to save the trees and avoid the steep ditches.

A motion was made and seconded (C. Brown, R. Reinbold) to approve Resolutions 26-06-12 and 26-06-13, accept the Engineer's preliminary report and award the contract to Munson Brothers in the amount of \$774,412.50.

Motion Passed: 5-For, 0-Against.

3. Public Comment

John Brown (N47 W27100 Greenhill Court) stated he has a great ditch that measures 24 inches and would like it to stay that way.

4. Consent Agenda

4.1 Approve the Appointment of Doug Brahm to the Fire Commission - Term Ending 5/1/2031 (*Replacing Lloyd Bertram*)

4.2 Approval of the Accounts Payable Listing Submitted May 18, 2026

Ms. Brown asked that Item #4.1 be removed for discussion.

A motion was made and seconded (C. Brown, P. Vetterkind) to approve the remaining item on the consent agenda. Motion Passed: 5-For, 0-Against.

4.1 Approve the Appointment of Dough Brahm to the Fire Commission

Ms. Brown asked why he was being presented for appointment when no information was provided about him. Mr. Klein stated Mr. Brahm was the former Fire Chief in Lisbon and would be Lisbon's representative.

Mayor Bierce stated this item would be brought back at a future meeting with more information.

5. Public Comment - None

6. Adjournment

A motion was made and seconded (B. Dziwulski, C. Brown) to adjourn the meeting at 7:18 p.m. Motion Passed: 5-For, 0-Against.

Respectfully Submitted

Kelly Tarczewski
Clerk/Treasurer

In Attendance: Mayor Bierce, Alderpersons C. Brown, B. Dziwulski, R. Reinbold, S. Tabbert and J. Wamser. Alderman P. Vetterkind was absent and excused.

Also In Attendance:

Attorney S. Riffle, Administrator S. Klein, DPW Director M. Wagner, City Planner & Community Development Director N. Fuchs, Library Director N. Champe and Clerk/Treasurer K. Tarczewski.

1. Call to Order and Pledge of Allegiance

Mayor Bierce called the meeting to order at 6:30 p.m. and asked everyone to stand for the Pledge of Allegiance.

2. Public Comment

Todd Vogelsang (N29 W22232 Kathryn Court) stated road resurfacing work is being done on Marjean Lane and he requested that the foundation be packed down with a roller to give the road more longevity. He also mentioned that no one is paying attention to the “no parking” signs on the road and thinks it should be monitored by Police Services more.

3. Plan Commission Reports and Recommendations

3.1 **PUBLIC HEARING**, Discussion and Possible Action Regarding a Recommendation to the Common Council for a Conditional Use Permit for Solveig Spa Skola to Allow for a Spa Service Business to be Located at N27 W23960 Paul Road (PWC 0918-998-024)

Mr. Fuchs stated this Conditional Use Permit request is for a spa and educational training use. The business wants to be located within an existing 400 square foot tenant space. They would provide spa services and wellness type treatments. Mr. Fuchs stated the owner also teaches CPR and basic life support. He said she is willing to work with the State of Wisconsin to teach and assist students who are seeking to be certified in different State licensed-type occupations such as massage therapy, cosmetology and nail technicians. Mr. Fuchs stated the hours of operation would be 8:00 a.m. to 8:00 p.m. Monday through Thursday, 8:00 a.m. to 5:00 p.m. Friday and Saturday, and closed on Sunday. He said the existing parking lot is adequate for the proposed use. Mr. Fuchs stated staff does not see any adverse impact and he said staff and the Plan Commission recommend approval.

Mayor Bierce opened the Public Hearing. No one indicated an interest in speaking, so it was immediately closed. The Council did not indicate they had any questions or concerns.

A motion was made and seconded (B. Dziwulski, S. Tabbert) to approve the Conditional Use Permit. Motion Passed: 5-For, 0-Against.

4. New Business

4.1 Discussion and Possible Action to Approve the Replacement of the Pewaukee Public Library's HVAC Controls in the Amount not to Exceed \$16,000

Ms. Champe stated this capital project was for the replacement of the HVAC control system. She said six bids were received and the lowest qualified bidder was Southport Engineered Systems in the amount of \$69,964. The project also includes an additional \$10,000 for technical services to be provided by Harwood Consulting and IT support from Taylor Computing in the amount of \$3,000. She said, per the Library agreement, the City is asked to pay 20 percent of the costs, not to exceed \$16,000.

Ms. Champe stated Harwood Consulting wrote the technical specs for the Request for Proposal (RFP) and will make sure everything is installed correctly and they will also work with the contractor regarding the set points. Ms. Champe stated she has made application to WE Energies for a \$3,000 grant.

Ms. Brown asked if the Library could create a process moving forward for reimbursement guidance. Ms. Champe stated the Village was willing to front the initial expense and would bill the City for their portion. Ms. Brown asked if a procedure could be put into writing. Ms. Champe stated she could either do a Memo of Understanding (MOU) or add it to the Library's Financial Policy.

Ms. Brown asked Mr. Klein if he had a preference. He stated he didn't have a preference.

Mayor Bierce noted that the City already spent the Contingency Funds for this year, so the money above what was budgeted for the Library's capital expenses would have to be earmarked out of a different account. Mr. Klein suggested it be taken out of the Undesignated Fund Balance.

A motion was made and seconded (B. Dziwulski, J. Wamser) to approve the reimbursement to the Village in an amount not to exceed \$16,000 with the majority of the funds to come from the Library Capital Budget and the remaining funds from the Undesignated Fund Balance. Motion Passed: 5-For, 0-Against.

4.2 Discussion and Possible Action Regarding a Letter of Support for a FRA CRISI Grant Application for the Amtrak Hiawatha West Project and Station Located Along the North Side of Marjean Lane and West of Duplainville Road

Mr. Fuchs stated within the packet is a draft letter of support for the federal grant for the Hiawatha West Project. He reminded Council they previously expressed their support. He stated the State is requesting written proof of our support so that it can become part of their grant application.

Mr. Fuchs stated he has had conversations with Amtrak and the parking lot, platform and other improvements could be included in the grant but would most likely require the City to contribute financially as well. He said the amount is unknown at this time and would be brought back to the Council for approval.

Mr. Fuchs said Amtrak is requesting a high-level engineering review.

Mr. Reinbold asked if the railroad has narrowed down their decision as to where they want to install the platform. Mr. Fuchs stated they are focused on Marjean Lane and Duplainville Road for their grant application unless the City tells them we are not interested.

Ms. Brown said she spoke to multiple people within her district and they appear to be neutral about it. They said they don't think they would ever use it but don't want tax dollars to go towards it. She stated she felt the ridership should be subsidizing the station improvements.

Mr. Wamser stated Council previously discussed charging for parking to subsidize police presence and other security measures such as installing cameras and having a police presence.

Mr. Dziwulski stated Pewaukee is a great location and feels people may opt to use it more than the downtown or the airport stations. He said he was in favor of charging for parking.

Ms. Brown asked if there were potentially any concerns with the Amazon facility being so close to that area.

Mr. Tabbert stated this investment is forward thinking and fully supports the project.

A motion was made and seconded (R. Reinbold, S. Tabbert) to send a letter supporting the Amtrak Hiawatha FRA CRISI grant application relating to the West Project and station located on the north side of Marjean Lane and west of Duplainville Road. Motion Passed: 5-For, 0-Against.

4.3 Discussion Related to the 2027 Budgeting Process

Mr. Fuchs presented the proposed time frame of the 2027 budget process. He stated it was similar to previous years and there were no significant changes.

4.4 Discussion and Possible Action Regarding the Accounts Payable Listing Submitted June 1, 2026

A motion was made and seconded (C. Brown, B. Dziwulski) to approve the accounts payable listing. Motion Passed: 5-For, 0-Against.

5. Engineering

5.1 Discussion and Possible Action Regarding MEA Forward LLC (Lake Country Eye Surgery) Easement Agreement.

Ms. Wagner stated this building will be going in on Busse Road where there is an existing sanitary sewer easement on the front portion of the lot. The developer is looking to install a driveway, parking lot, signage and some landscaping within that easement. She said the proposed agreement would state the City is not responsible for maintenance or replacement of any items within the easement, even if we would have to replace our sewer in that easement area. Ms. Wagner stated the City Attorney has reviewed it and it is basically a standard agreement. Attorney Riffle stated he had no concerns.

A motion was made and second (S. Tabbert, C. Brown) to approve the easement agreement. Motion Passed: 5-For, 0-Against.

- 5.2 Discussion and Possible Action to Send a Letter of Support to the U.S. Department of Transportation on Behalf of Waukesha County's CTH K Grade Crossing Elimination Project.

Ms. Wagner stated Waukesha County previously brought this before the Council when they applied for a Build Grant. They are now applying for a Railroad Crossing Safety Grant. They are looking for a letter of support to send to the Wisconsin Department of Transportation (DOT).

Mayor Bierce asked if she had seen any revised maps. Ms. Waner stated they have not done any additional engineering work on the project. They are waiting on the award of the grant to begin the project design.

A motion was made and seconded (B. Dziwulski, R. Reinbold) to send a letter to the U.S. Department of Transportation supporting the County's CTH K grade crossing elimination project. Motion Passed: 5-For, 0-Against.

- 5.3 Discussion and Possible Action Regarding The Glen at Springdale
1. Approve the Stockpile & Grading Agreement
 2. Approve the Financial Guarantee in the amount of \$250,000.

Ms. Wagner stated The Glen at Springdale, also known as the Esser Farm, is developing condos and single-family homes. She said they want to do some early grading and stockpiling before they get their development plans approved and establish a developer's agreement. She stated the City Attorney has approved the agreement. Ms. Wagner added they would like to establish a \$250,000 financial guarantee.

Ms. Brown asked where the developer was going to stockpile the fill. Ms. Wagner stated they plan on bringing it in and grading it immediately. She said there could potentially be small stockpiling near Springdale Road.

Joe Bukovich was present for this item. He stated they would be coming in off of Springdale Road and traveling on the north side of the homes.

Ms. Brown asked when they plan on starting the development. He responded as soon as they can get through the developer agreement and plans. He said they have had meetings with the Building Department and Engineering. They worked out the issues and resubmitted their plans and are waiting on the City's final approval. He figured they could begin in August.

Ms. Brown wanted assurance that the roads were posted so that trucks weren't going through the subdivision. Mr. Bukovich stated he understood the importance of keeping the trucks out. Ms. Wagner stated there is a provision in the Developers Agreement related to truck traffic.

Mayor Bierce asked when the houses will be razed. Mr. Bukovich stated they will be closing on the sale in June, so, sometime after that.

Ms. Brown asked if they would be cleaning up every night. Ms. Wagner stated yes.

Mr. Reinbold asked if they would be using flaggers or have some sort of traffic control. Mr. Bukovich stated it would depend on the amount of dirt coming in. He said typically they would not.

A motion was made and seconded (B. Dziwulski, C. Brown) to approve the stockpile and grading agreement for The Glen at Springdale and set the financial guarantee in the amount of \$250,000. Motion Passed: 5-For, 0-Against.

6. Public Comment - None

7. Adjournment

A motion was made and seconded (S. Tabbert, B. Dwizulski) to adjourn the meeting at 7:08 p.m. Motion Passed: 5-For, 0-Against.

Respectfully Submitted

Kelly Tarczewski
Clerk/Treasurer

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 100 GENERAL FUND							
05/29/2026	400	145993*#	A&M CLEANING SOLUTIONS	HIGHWAY - CONTRACTED JANITORIAL	52400	53100	906.66
05/29/2026	400	145994	AIR ONE EQUIPMENT	FIRE PROTECTIVE SERVICES - EQUIP REPAIR	52430	52230	67.27
05/29/2026	400	145996	AMERICAN RED CROSS	EMPLOYEE SERVICES - TRAINING	52980	51430	1,515.50
05/29/2026	400	145998*#	BAKER TILLY US LLP	AUDIT SERVICES	52120	51510	5,528.13
05/29/2026	400	145999	BATTERY SYSTEMS	HIGHWAY - EQUIP REPAIR & MAINT	52430	53100	87.98
05/29/2026	400	146000	BATZNER PEST CONTROL	PARKS - BUILDING REPAIRS & MAINT	52410	55200	97.20
				PARKS - BUILDING REPAIRS & MAINT	52410	55200	97.20
				PARKS - BUILDING REPAIRS & MAINT	52410	55200	193.21
				CHECK 400 146000 TOTAL FOR FUND 100:			387.61
05/29/2026	400	146001	BRAHM ENTERPRISES LLC	FIRE ADMINISTRATION - BUILDING REPAIRS	52410	52210	470.55
				FIRE ADMINISTRATION - BUILDING REPAIRS	52410	52210	1,691.31
				CHECK 400 146001 TOTAL FOR FUND 100:			2,161.86
05/29/2026	400	146002	BREDAN MECHANICAL SYSTEMS INC	FIRE ADMINISTRATION - BUILDING REPAIRS	52410	52210	1,309.50
05/29/2026	400	146003	BUELOW VETTER BUIKEMA OLSON &	ATTORNEY'S FEES	52100	51430	5,468.00
05/29/2026	400	146004*#	CINTAS	HIGHWAY - OPERATING SUPPLIES	53400	53100	70.88
05/29/2026	400	146005#	CONLEY MEDIA	CLERK/TREASURER - NOTICES &	53470	51420	105.04
				PLANNER - NOTICES & PUBLICAT	53470	56300	58.12
				BOARD OF APPEALS - NOTICES &	53470	56400	70.76
				CHECK 400 146005 TOTAL FOR FUND 100:			233.92
05/29/2026	400	146006	ELLIOTTS ACE HARDWARE	PARKS - GROUNDS MAINTENANCE	52420	55200	21.67
05/29/2026	400	146008	FIRE SERVICE INC	FIRE PROTECTIVE SERVICES - VEHICLE	52440	52230	482.54
				FIRE PROTECTIVE SERVICES - VEHICLE	52440	52230	3,762.31
				CHECK 400 146008 TOTAL FOR FUND 100:			4,244.85
05/29/2026	400	146009	FOTH INFRASTRUCTURE &	PLANNER - OTHER PROFESSIONAL SERVICES	52190	56300	234.00
05/29/2026	400	146012	GRENZ SERVICE CO. LLC	FIRE ADMINISTRATION - BUILDING REPAIRS	52410	52210	596.50
05/29/2026	400	146014	HOPKINS SPORTS CAMPS	RECREATION PROGRAM - CONTRACTED	52190	55300	2,108.00
05/29/2026	400	146015	JAMES IMAGING SYSTEMS	IT - OTHER PROFESSIONAL SERVICES	52190	51450	65.00

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 100 GENERAL FUND							
05/29/2026	400	146016	JENNIFER SCHOLTKA	RECREATION PROGRAM - CONTRACTED	52190	55300	1,092.00
05/29/2026	400	146017	JX ENTERPRISES, INC.	HIGHWAY - EQUIP REPAIR & MAINT	52430	53100	1,991.62
				HIGHWAY - EQUIP REPAIR & MAINT	52430	53100	21.49
				HIGHWAY - EQUIP REPAIR & MAINT	52430	53100	1,460.46
				CHECK 400 146017 TOTAL FOR FUND 100:			<u>3,473.57</u>
05/29/2026	400	146018	KAESTNER AUTO ELECTRIC CO.	FIRE PROTECTIVE SERVICES - VEHICLE	52440	52230	20.52
05/29/2026	400	146019	KARMEN LEHMAN	RECREATION PROGRAM - CONTRACTED	52190	55300	945.00
05/29/2026	400	146021	LIFE-ASSIST INC	FIRE PROTECTIVE SERVICES - EMS	53450	52230	1,485.00
05/29/2026	400	146022	LINCOLN CONTRACTORS	HIGHWAY - OPERATING SUPPLIES	53400	53100	34.92
05/29/2026	400	146024*#	MENARDS	CITY HALL - BUILDING REPAIRS & MAINT	52410	51600	54.24
				FIRE ADMINISTRATION - OPERATING	53400	52210	203.88
				FIRE ADMINISTRATION - OPERATING	53400	52210	15.49
				FIRE ADMINISTRATION - OPERATING	53400	52210	33.46
				FIRE ADMINISTRATION - OPERATING	53400	52210	56.97
				PARKS - BUILDING REPAIRS & MAINT	52410	55200	14.50
				PARKS - GROUNDS MAINTENANCE	52420	55200	68.08
				PARKS - GROUNDS MAINTENANCE	52420	55200	105.86
				PARKS - NEW EQUIPMENT	53950	55200	33.03
				CHECK 400 146024 TOTAL FOR FUND 100:			<u>585.51</u>
05/29/2026	400	146026	NAPA	FIRE PROTECTIVE SERVICES - VEHICLE	52440	52230	19.74
				FIRE PROTECTIVE SERVICES - VEHICLE	52440	52230	79.02
				CHECK 400 146026 TOTAL FOR FUND 100:			<u>98.76</u>
05/29/2026	400	146029	PROHEALTH PHARMACY WAUKESHA	FIRE PROTECTIVE SERVICES - EMS	53450	52230	840.11
05/29/2026	400	146030	R&R INSURANCE SERVICES	WORKER'S COMPENSATION	55110	51930	17,018.00
05/29/2026	400	146032	RUSS'S MULCH & TOPSOIL	PARKS - GROUNDS MAINTENANCE	52420	55200	216.00
				PARKS - GROUNDS MAINTENANCE	52420	55200	432.00
				CHECK 400 146032 TOTAL FOR FUND 100:			<u>648.00</u>
05/29/2026	400	146033	SCBAS	FIRE PROTECTIVE SERVICES - EQUIP REPAIR	52430	52230	458.44
05/29/2026	400	146034	SOFT WATER, INC.	FIRE ADMINISTRATION - OPERATING	53400	52210	30.00
05/29/2026	400	146035	STACI JOERS	RECREATION PROGRAM - CONTRACTED	52190	55300	640.00

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 100 GENERAL FUND							
05/29/2026	400	146036	STEVEN & SHEREEN WOODS	BUILDING PERMITS	44300	00000	168.75
05/29/2026	400	146037	TK ELEVATOR CORPORATION	CITY HALL - BUILDING REPAIRS & MAINT	52410	51600	280.26
05/29/2026	400	146038*#	TKK ELECTRONICS	FIRE PROTECTIVE SERVICES - EQUIP REPAIR	52430	52230	284.00
05/29/2026	400	146039	TOTAL TOOL	PARKS - NEW EQUIPMENT	53950	55200	395.51
05/29/2026	400	146040	UNIFIRST CORP	FIRE ADMINISTRATION - OPERATING	53400	52210	72.97
05/29/2026	400	146043	WI EMPLOYMENT RELATIONS COMMISSION	ATTORNEY'S FEES	52100	51430	400.00
05/29/2026	400	146044	WOLF PAVING	HIGHWAY - ROAD REPAIRS	53730	53100	196.50
06/05/2026	400	146047	AIRGAS USA	FIRE PROTECTIVE SERVICES - EMS	53450	52230	94.50
06/05/2026	400	146049	AMRIZE MID-AMERICA INC	PARKS - GROUNDS MAINTENANCE	52420	55200	3,195.52
06/05/2026	400	146050	AMY WHITE	RECREATION PROGRAM - MILEAGE	53300	55300	58.00
06/05/2026	400	146051	ARROW TERMINAL, LLC	HIGHWAY - OPERATING SUPPLIES	53400	53100	925.88
06/05/2026	400	146053	BATZNER PEST CONTROL	PARKS - BUILDING REPAIRS & MAINT	52410	55200	370.08
				PARKS - BUILDING REPAIRS & MAINT	52410	55200	108.13
				CHECK 400 146053 TOTAL FOR FUND 100:			<u>478.21</u>
06/05/2026	400	146054	Bielinski Homes	BOB25-0035	23175	00000	500.00
06/05/2026	400	146056	BREDAN MECHANICAL SYSTEMS INC	CITY HALL - BUILDING REPAIRS & MAINT	52410	51600	1,756.16
06/05/2026	400	146057	BUMPER TO BUMPER	PARKS - VEHICLE REPAIR & MAINT	52440	55200	40.09
06/05/2026	400	146058	CITY OF PEWAUKEE	COURT PENALTIES	45110	00000	255.00
06/05/2026	400	146060	COREY OIL	HIGHWAY - FUEL	53420	53100	4,712.76
				HIGHWAY - FUEL	53420	53100	1,922.71
				CHECK 400 146060 TOTAL FOR FUND 100:			<u>6,635.47</u>
06/05/2026	400	146061	DLT SOLUTIONS	IT - SOFTWARE MAINTENANCE & UPDATES	52480	51450	9,911.40
06/05/2026	400	146062*#	EHLERS	CITY HALL - DATA PROCESSING	52160	51600	3,700.00
06/05/2026	400	146063	ELEVITY GORDON FLESCH CO INC	IT - SOFTWARE MAINTENANCE & UPDATES	52480	51450	551.00
06/05/2026	400	146064*#	ELLIOTTS ACE HARDWARE	PARKS - GROUNDS MAINTENANCE	52420	55200	38.96
06/05/2026	400	146067	FIRE & POLICE SELECTION, INC	FIRE ADMINISTRATION - EMPLOYMENT	52150	52210	400.00

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 100 GENERAL FUND							
06/05/2026	400	146068*#	FORWARD TS	CLERK/TREASURER - EQUIP REPAIR & MAINT	52430	51420	196.23
				ENGINEERING - OPERATING SUPPLIES	53400	53110	72.07
				CHECK 400 146068 TOTAL FOR FUND 100:			<u>268.30</u>
06/05/2026	400	146072	JAMES JAESCHKE	BOARD OF REVIEW - MEETING FEES	51410	51535	55.41
06/05/2026	400	146073	JOHNS DISPOSAL SERVICE	RECYCLE - GARBAGE COLLECTION	52800	53620	76,764.03
06/05/2026	400	146075	KMB ELECTRIC	CITY HALL - BUILDING REPAIRS & MAINT	52410	51600	565.10
06/05/2026	400	146076	LAUTERBACH & AMEN, LLP	CLERK/TREASURER - OTHER ACCOUNTING	52130	51420	17,850.00
06/05/2026	400	146077	LIFE-ASSIST INC	FIRE PROTECTIVE SERVICES - EMS	53450	52230	373.24
				FIRE PROTECTIVE SERVICES - EMS	53450	52230	60.06
				CHECK 400 146077 TOTAL FOR FUND 100:			<u>433.30</u>
06/05/2026	400	146078	LINCOLN CONTRACTORS	HIGHWAY - OPERATING SUPPLIES	53400	53100	165.36
06/05/2026	400	146079	MARY FIRNROHR	RECREATION PROGRAM - CONTRACTED	52190	55300	490.00
06/05/2026	400	146080*#	MENARDS	FIRE PROTECTIVE SERVICES - EQUIP REPAIR	52430	52230	312.46
				FIRE PROTECTIVE SERVICES - VEHICLE	52440	52230	14.32
				FIRE PROTECTIVE SERVICES - VEHICLE	52440	52230	63.44
				FIRE PROTECTIVE SERVICES - VEHICLE	52440	52230	21.44
				HIGHWAY - OPERATING SUPPLIES	53400	53100	126.70
				HIGHWAY - OPERATING SUPPLIES	53400	53100	64.28
				PARKS - BUILDING REPAIRS & MAINT	52410	55200	20.99
				PARKS - GROUNDS MAINTENANCE	52420	55200	39.98
				PARKS - GROUNDS MAINTENANCE	52420	55200	34.75
				PARKS - EQUIP REPAIR & MAINT	52430	55200	26.97
				PARKS - EQUIP REPAIR & MAINT	52430	55200	4.99
				PARKS - OPERATING SUPPLIES	53400	55200	70.81
				PARKS - SAFETY EQUIPMENT	53480	55200	5.99
				PARKS - NEW EQUIPMENT	53950	55200	20.99
				CHECK 400 146080 TOTAL FOR FUND 100:			<u>828.11</u>
06/05/2026	400	146081	NONN'S FLOORING, LLC	COURT PENALTIES	45110	00000	553.64
06/05/2026	400	146083	PAYNE & DOLAN	HIGHWAY - ROAD REPAIRS	53730	53100	286.89
06/05/2026	400	146086*#	REINDERS, INC.	PARKS - EQUIP REPAIR & MAINT	52430	55200	40.73
				PARKS - EQUIP REPAIR & MAINT	52430	55200	14.66
				PARKS - EQUIP REPAIR & MAINT	52430	55200	177.64
				PARKS - EQUIP REPAIR & MAINT	52430	55200	50.38

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 100 GENERAL FUND							
				CHECK 400 146086 TOTAL FOR FUND 100:			283.41
06/05/2026	400	146087	RESCUE READY RESOURCES LLC	RECREATION PROGRAM - CONTRACTED	52190	55300	368.00
06/05/2026	400	146088	RUSS'S MULCH & TOPSOIL	PARKS - GROUNDS MAINTENANCE	52420	55200	324.00
				PARKS - GROUNDS MAINTENANCE	52420	55200	108.00
				CHECK 400 146088 TOTAL FOR FUND 100:			432.00
06/05/2026	400	146089	SILVER LAKE TOWING AND RECOVERY	FIRE PROTECTIVE SERVICES - VEHICLE	52440	52230	150.00
06/05/2026	400	146092	STARK PAVEMENT CORP	HIGHWAY - ROAD REPAIRS	53730	53100	1,749.91
06/05/2026	400	146093	STATE OF WI COURT FINES & ASSMTS	COURT PENALTIES	45110	00000	4,423.43
06/05/2026	400	146094	STONERIDGE MART	COURT PENALTIES	45110	00000	29.96
06/05/2026	400	146095*#	SUNBELT RENTALS, INC	HIGHWAY - EQUIPMENT RENTAL	55310	53100	671.90
06/05/2026	400	146096	UNIFIRST CORP	FIRE ADMINISTRATION - OPERATING	53400	52210	133.35
06/05/2026	400	146097	VERIZON	FIRE ADMINISTRATION - PHONE & CELL	52260	52210	21.06
06/05/2026	400	146098	VILLAGE OF PEWAUKEE	PARK RESERVATION FEES	46720	00000	615.00
06/05/2026	400	146099	WAUKESHA CO TECHNICAL COLLEGE	FIRE PROTECTIVE SERVICES - TRAINING	52980	52230	1,115.00
06/05/2026	400	146100#	WAUKESHA CO TREASURER	COURT PENALTIES	45110	00000	1,338.80
				POLICE - CONTRACT FOR SERVICES	52160	52100	313,763.33
				CHECK 400 146100 TOTAL FOR FUND 100:			315,102.13
06/05/2026	400	146102	WE ENERGIES	PARKS - ELECTRICITY	52210	55200	24.71
06/05/2026	400	146103	WILL ENTERPRISES	RECREATION PROGRAM - UNIFORMS	53410	55300	1,619.88
06/05/2026	400	146104	WOLF PAVING	HIGHWAY - ROAD REPAIRS	53730	53100	147.00
06/10/2026	400	146105	ADP SCREENING & SELECTION SERVICES	EMPLOYEE SERVICES - EMPLOYMENT EXAMS	52150	51430	283.14
06/10/2026	400	146106	ALEX MLACHNIK	SHARP SHOOTER DEER MANAGEMENT	52990	54155	600.00
06/10/2026	400	146107	BIERCE, STEVE	FIRE ADMINISTRATION - CPSI ACCREDIATION	53450	52210	488.87
06/10/2026	400	146109	BUELOW VETTER BUIKEMA OLSON &	ATTORNEY'S FEES	52100	51430	2,204.50
06/10/2026	400	146110	CHARLIE DWYER	BUILDING SERVICES - MILEAGE & FUEL	53300	52400	65.97
06/10/2026	400	146111	FROEDTERT HEALTH /	EMPLOYEE SERVICES - EMPLOYEE WELLNESS	52700	51430	487.50
06/10/2026	400	146112	MENARDS	PARKS - NEW EQUIPMENT	53950	55200	117.49
06/10/2026	400	146113	MIKE HADLEY	BUILDING SERVICES - MILEAGE & FUEL	53300	52400	801.13

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 100 GENERAL FUND							
06/10/2026	400	146114#	MUNICIPAL CODE ENFORCEMENT, LLC	BUILDING SERVICES - OTHER PROFESSIONAL PLANNER - OTHER PROFESSIONAL SERVICES	52190 52190	52400 56300	3,735.44 1,420.00
CHECK 400 146114 TOTAL FOR FUND 100:							5,155.44
06/10/2026	400	146115	PROHEALTH CARE MEDICAL GROUP	EMPLOYEE SERVICES - EMPLOYMENT EXAMS EMPLOYEE SERVICES - EMPLOYMENT EXAMS EMPLOYEE SERVICES - EMPLOYMENT EXAMS	52150 52150 52150	51430 51430 51430	61.00 183.00 244.00
CHECK 400 146115 TOTAL FOR FUND 100:							488.00
06/10/2026	400	146116	PUBLIC ADMINISTRATION ASSOCIATES	CONTINGENCY APPROPRIATION	59910	51980	6,583.33
06/10/2026	400	146117	THE SHERWIN WILLIAMS CO	PARKS - BUILDING REPAIRS & MAINT	52410	55200	255.21
06/10/2026	400	146119	VILLAGE OF LISBON	AMBULANCE RUNS	46230	00000	17,654.43
06/10/2026	400	146120#	VILLAGE OF PEWAUKEE	BUILDING SERVICES DUE TO VILLAGE AMBULANCE RUNS CONTRACTED BUILDING INSPECTION BUILDING CODE ENFORCEMENT BUILDING SERVICES - OPERATING SUPPLIES	24400 46230 47380 47390 53400	00000 00000 00000 00000 52400	10,589.97 51,120.25 (1,298.82) (834.00) (1,784.75)
CHECK 400 146120 TOTAL FOR FUND 100:							57,792.65
06/10/2026	400	146122	WILL ENTERPRISES	RECREATION PROGRAM - UNIFORMS RECREATION PROGRAM - UNIFORMS	53410 53410	55300 55300	3,225.60 836.16
CHECK 400 146122 TOTAL FOR FUND 100:							4,061.76
06/10/2026	400	146123	WISCONSIN DEPARTMENT OF	EMPLOYEE SERVICES - EMPLOYMENT EXAMS EMPLOYEE SERVICES - EMPLOYMENT EXAMS	52150 52150	51430 51430	95.00 230.00
CHECK 400 146123 TOTAL FOR FUND 100:							325.00
Total for fund 100 GENERAL FUND							605,226.64

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 230 STORM WATER MANAGEMENT							
05/29/2026	400	145993*#	A&M CLEANING SOLUTIONS	CONTRACTED JANITORIAL	52400	53650	453.34
05/29/2026	400	145995*#	ALL-WAYS CONTRACTORS, INC	DITCH & CULVERT MAINT - DITCH	53520	53652	66.00
05/29/2026	400	146004*#	CINTAS	OPERATING SUPPLIES	53400	53650	35.45
05/29/2026	400	146024*#	MENARDS	OPERATING SUPPLIES	53400	53650	148.99
				OPERATING SUPPLIES	53400	53650	38.54
				CHECK 400 146024 TOTAL FOR FUND 230:			187.53
05/29/2026	400	146028	POMP'S TIRE SERVICE, INC.	EQUIPMENT REPAIR & MAINT	52430	53650	845.70
06/05/2026	400	146046	AECOM TECHNICAL SERVICES, INC	PROJECTS - CITY STORM WATER STUDY	58210	57340	40,318.08
06/05/2026	400	146068*#	FORWARD TS	OPERATING SUPPLIES	53400	53650	72.06
06/05/2026	400	146074	JX ENTERPRISES, INC.	EQUIPMENT REPAIR & MAINT	52430	53650	28.92
06/05/2026	400	146090	SITEONE LANDSCAPE SUPPLY LLC	DITCH & CULVERT MAINT - DITCH	53520	53652	202.84
				DITCH & CULVERT MAINT - DITCH	53520	53652	762.81
				CHECK 400 146090 TOTAL FOR FUND 230:			965.65
06/05/2026	400	146095*#	SUNBELT RENTALS, INC	EQUIPMENT RENTAL	55310	53650	335.96
06/10/2026	400	146121	WI DNR ENVIRONMENTAL FEES	PERMIT COMPLIANCE - PERMIT FEES	53550	53656	2,000.00
				Total for fund 230 STORM WATER MANAGEMENT			45,308.69

06/10/2026 09:18 AM
User: FIORENTINO
DB: City Of Pewaukee

CHECK DISBURSEMENT REPORT FOR PEWAUKEE
CHECK DATE FROM 05/29/2026 - 06/10/2026

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 450 CITY HALL REMODEL							
06/10/2026	400	146118	THRIVE ARCHITECTS	CITY HALL REMODEL	58100	57700	1,300.00
Total for fund 450 CITY HALL REMODEL							1,300.00

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 490 CAPTIAL EQUIPMENT							
05/29/2026	400	146013	HASTINGS	FIRE ADMINISTRATION - CAPITAL EQUIPMENT	58100	57220	1,458.82
05/29/2026	400	146025	MONROE TRUCK EQUIPMENT INC	HIGHWAY - CAPITAL EQUIPMENT	58100	57331	30,927.00
05/29/2026	400	146038*#	TKK ELECTRONICS	FIRE ADMINISTRATION - CAPITAL EQUIPMENT	58100	57220	1,891.62
06/05/2026	400	146045	10-8 VIDEO	FIRE ADMINISTRATION - CAPITAL EQUIPMENT	58100	57220	5,898.00
06/05/2026	400	146055	BLUE SKY SOLAR	SOLAR PANELS - DPW	58100	57700	50,486.00
06/05/2026	400	146069	FRIENDS OF THE PARKS OF PEWAUKEE	DONATIONS FOR DOG PARK	48907	00000	4,200.00
06/10/2026	400	146108*#	BS&A SOFTWARE	IT - CAPITAL EQUIPMENT	58100	57160	20,796.00
Total for fund 490 CAPTIAL EQUIPMENT							115,657.44

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 600 WATER UTILITY							
05/29/2026	400	145995*#	ALL-WAYS CONTRACTORS, INC	TRANS & DIST MAINT-TRANS& DISTR MAINS	52400	10673	130.00
05/29/2026	400	145997*#	AT&T MOBILITY	TRANS & DIST MAINT-SCADA MAINT	52100	10678	24.74
				ADMIN & GEN OPS-PHONE, INTERNET CELL	52230	10921	311.96
				CHECK 400 145997 TOTAL FOR FUND 600:			<u>336.70</u>
05/29/2026	400	145998*#	BAKER TILLY US LLP	ADMIN & GEN OPS-AUDIT/ACCOUNTANT	52120	10923	2,341.56
05/29/2026	400	146007	FERGUSON WATERWORKS #1476	TRANS & DIST MAINT-TRANS& DISTR MAINS	52400	10673	234.84
05/29/2026	400	146010*#	GRAINGER	TRANS & DIST MAINT-SCADA MAINT	52100	10678	89.36
				TRANS & DIST MAINT-SCADA MAINT	52100	10678	(81.26)
				CHECK 400 146010 TOTAL FOR FUND 600:			<u>8.10</u>
05/29/2026	400	146020	KMB ELECTRIC	BULK WATER FILL STATION	12842	00107	3,395.76
05/29/2026	400	146024*#	MENARDS	SOURCE OPS- SUPPLIES AND EXPENSES	53400	10603	5.39
				SOURCE OPS- SUPPLIES AND EXPENSES	53400	10603	34.40
				SOURCE MAINT-BUILDINGS AND GROUNDS	52310	10611	21.11
				SOURCE MAINT-BUILDINGS AND GROUNDS	52310	10611	13.94
				TRANS & DIST MAINT-RESERVOIRS &	52400	10672	10.97
				CHECK 400 146024 TOTAL FOR FUND 600:			<u>85.81</u>
05/29/2026	400	146027	NORTHERN LAKE SERVICE, INC	TREATMENT OPS-WATER TESTING & LAB EXPS	52310	10642	124.00
05/29/2026	400	146031	ROB KINCAID	ADMIN & GEN OPS-MILEAGE	53300	10921	52.20
05/29/2026	400	146041#	USA BLUEBOOK	SOURCE OPS-SAFETY	52200	10603	87.91
				TREATMENT OPS-WATER TESTING & LAB EXPS	52310	10642	729.55
				CHECK 400 146041 TOTAL FOR FUND 600:			<u>817.46</u>
05/29/2026	400	146042	WATER REMEDIATION TECHNOLOGY	TREATMENT MAINT-WRT RADIUM TREATMENT	52900	10652	4,453.00
06/05/2026	400	146048*	ALL CITY COMMUNICATIONS INC.	ADMIN & GEN OPS-ANSWERING SERVICE	52331	10921	45.00
06/05/2026	400	146052	BADGER METER	CUSTOMER ACCTS OPS-METER READING WAGES	51200	10902	580.50
06/05/2026	400	146059	CITY OF WAUKESHA TREASURER	ADMIN & GEN OPS-OUTSIDE ENGINEERING	52170	10923	16,734.45
06/05/2026	400	146064*#	ELLIOTTS ACE HARDWARE	PUMPING OPS-MISC EXPENSE	53400	10626	67.73
06/05/2026	400	146065	FAITH LEAK DETECTION SERVICES LLC	TRANS & DIST MAINT-MAINT OF HYDRANTS	52400	10677	9,990.00

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 600 WATER UTILITY							
06/05/2026	400	146066	FERGUSON WATERWORKS #1476	TRANS & DIST MAINT-MAINT OF SERVICES	52400	10675	646.54
06/05/2026	400	146070	GRAINGER	SOURCE MAINT-MAINT OF WELLS	52400	10614	15.30
06/05/2026	400	146071	HAWKINS, INC.	TREATMENT OPS-CHEMICALS	53410	10641	6,405.81
06/05/2026	400	146080*#	MENARDS	PUMP MAINT-BUILD & GROUNDS	52310	10631	27.96
06/05/2026	400	146082	NORTHERN LAKE SERVICE, INC	TREATMENT OPS-WATER TESTING & LAB EXPS	52310	10642	93.00
06/05/2026	400	146084	POLLARDWATER	TRANS & DIST MAINT-MAINT OF HYDRANTS	52400	10677	456.27
06/05/2026	400	146085	PROFESSIONAL SERVICE INDUSTRIES	PFAS TREATMENT PROJECT	12818	00107	6,476.00
06/05/2026	400	146086*#	REINDERS, INC.	TRANS & DIST MAINT-TRANS& DISTR MAINS	52400	10673	84.00
				TRANS & DIST MAINT-MAINT OF SERVICES	52400	10675	84.00
				CHECK 400 146086 TOTAL FOR FUND 600:			168.00
06/10/2026	400	146108*#	BS&A SOFTWARE	CUSTOMER ACCTS OPS-CUST RECORDS BILL	52401	10903	2,232.50
				Total for fund 600 WATER UTILITY			55,918.49

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 650 SEWER UTILITY							
05/29/2026	400	145997*#	AT&T MOBILITY	SCADA/TELEMETRY MAINT	52100	01831	24.74
				ADMIN & GEN OPS PHONE INTERNET CELL	52230	10921	311.97
				CHECK 400 145997 TOTAL FOR FUND 650:			<u>336.71</u>
05/29/2026	400	145998*#	BAKER TILLY US LLP	ADMIN & GEN OPS-AUDITOR/ACCOUNTANT	52120	10923	2,341.56
05/29/2026	400	146010*#	GRAINGER	MAINTENANCE OF GENERAL PLANT STRUCTURE	52400	01834	57.40
05/29/2026	400	146011#	GREGG MARTIN INSTRUMENTATION	OTHER GENERAL EQUIPMENT	18571	01380	5,255.00
				MAINTENANCE/SCS - FLOWMETER	52420	01831	3,080.00
				CHECK 400 146011 TOTAL FOR FUND 650:			<u>8,335.00</u>
05/29/2026	400	146024*#	MENARDS	SUPPLIES AND EXPENSES	53400	01827	5.38
				SUPPLIES AND EXPENSES	53400	01827	34.39
				MAINTENANCE OF GENERAL PLANT STRUCTURE	52400	01834	21.12
				MAINTENANCE OF GENERAL PLANT STRUCTURE	52400	01834	13.93
				CHECK 400 146024 TOTAL FOR FUND 650:			<u>74.82</u>
06/05/2026	400	146048*	ALL CITY COMMUNICATIONS INC.	ADMIN & GEN OPS-ANSWERING SERVICE	52331	10921	45.00
06/05/2026	400	146062*#	EHLERS	ADMIN & GEN OPS-AUDITOR/ACCOUNTANT	52120	10923	5,000.00
06/05/2026	400	146091	STAAB CONSTRUCTION CORP	Gun Club Sewer Study	12831	00107	15,000.00
06/05/2026	400	146101	WAUKESHA WATER UTILITY	SEWER SERVICE CHARGE - WCC	52344	01827	32,265.98
06/10/2026	400	146108*#	BS&A SOFTWARE	CUSTOMER ACCTS OPS CUST RECORDS BILL	52401	10903	2,232.50
				Total for fund 650 SEWER UTILITY			65,688.97

06/10/2026 09:18 AM
User: FIORENTINO
DB: City Of Pewaukee

CHECK DISBURSEMENT REPORT FOR PEWAUKEE
CHECK DATE FROM 05/29/2026 - 06/10/2026

Check Date	Bank	Check #	Payee	Description	Account	Dept	Amount
Fund: 800 CEMETERY							
05/29/2026	400	146023	MATTHEWS INTERNATIONAL	CEMETERY - OPERATING SUPPLIES	53400	54910	212.04
				CEMETERY - OPERATING SUPPLIES	53400	54910	5.25
				CHECK 400 146023 TOTAL FOR FUND 800:			<u>217.29</u>
				Total for fund 800 CEMETERY			217.29
			TOTAL - ALL FUNDS				889,317.52

'*'-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE FUND
'#'-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE DEPARTMENT

Doing Business As	Owner/Applicant or Agent	Application Type	Renewal Type	2025 - 2026 Premises Request	2026 - 2027 Premises Request	Cigarette Application	Amusement Application	Total Amuse Items	Hotel Application	Health Inspect.
Battle House MKE LLC	Brian Nielsen	RENEWAL	Class "B" Beer & Class C Wine	Bar area just past entry way.	Indoor Laser tag with lounge area. Beer is stored in commerical refrigerator.	NO	NO	0	NO	PASSED
The Loft & Chapel	Jeffery R. Becker	RENEWAL	Class "B" Beer & "Class B" Liquor	Reception Halls, Bar Areas, Dance Floors, Outdoor Gazebo & Patio	PREMISES DESCRIPTION REMAINS THE SAME: Reception Halls, Bar Areas, Dance Floors, Outdoor Gazebo & Patio	NO	NO	0	NO	PASSED
The Beer Depot	Patrick J. Mischker	RENEWAL	Class "A" Beer & "Class A" Liquor	Alcoholic beverages are stored on the premises and sold at the register, back stock in basement, records kept in basement	PREMISES DESCRIPTION REMAINS THE SAME: Alcoholic beverages are stored on the premises and sold at the register, back stock in basement, records kept in basement	YES	NO	0	NO	PASSED
Marriott - Milwaukee West	Francis Edward Dorsey III	RENEWAL	Class "B" Beer & "Class B" Liquor	LOUNGE: 40 seats and 9 stools. RESTAURANT: consisting of 124 seats ROOM SERVICE: 281 guest rooms BANQUET HALL: 9,980 square feet of space STORAGE: Main liquor room off of kitchen, walk-in cooler in the kitchen, Lounge area has several coolers and cabinets. Banquet rooms have stand-up coolers. RECORDS: Stored in Administrative office and cloud-based storage.	PREMISES DESCRIPTION REMAINS THE SAME: LOUNGE: 40 seats and 9 stools. RESTAURANT: consisting of 124 seats ROOM SERVICE: 281 guest rooms BANQUET HALL: 9,980 square feet of space STORAGE: Main liquor room off of kitchen, walk-in cooler in the kitchen, Lounge area has several coolers and cabinets. Banquet rooms have stand-up coolers. RECORDS: Stored in Administrative office and cloud-based storage.	NO	NO	0	YES	PASSED
Mug Shotz Bar & Grill	Craig Werner	RENEWAL	Class "B" Beer & "Class B" Liquor	Bar & Grill - Email from 6/17/2025 Revising: sold over the bar, in the basement.	PREMISES DESCRIPTION REMAINS THE SAME: Bar & Grill: sold over the bar, and stored in the basement.	YES	YES	9	NO	PASSED

Doing Business As	Sheriff Inspect.	Fire Inspect.	Building Inspect.	Agent Check	Delinquent Real Estate Taxes	Fees Due	Amount Paid	Balance Due	Requested Action
Battle House MKE LLC - Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$225	\$225	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services.
The Loft & Chapel Continued...	PASSED	PASSED	PENDING	PENDING	NO	\$627	\$627	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services. *Receiving favorable background check of agent.
The Beer Depot Continued...	PASSED	PASSED	PASSED	PASSED	NO	\$727	\$727	\$0	Approve
Marriott - Milwaukee West Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$652	\$652	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.
Mug Shotz Bar & Grill Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$717	\$717	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.

Doing Business As	Owner/Applicant or Agent	Application Type	Renewal Type	2025 - 2026 Premises Request	2026 - 2027 Premises Request	Cigarette Application	Amusement Application	Total Amuse Items	Hotel Application	Health Inspect.
Curly's Waterfront	Ryan P. Gardner	RENEWAL	Class "B" Beer & "Class B" Liquor	Main bar level, outside deck, downstairs walk-in coolers and liquor room, outside walk-in beer cooler. Records are kept in office downstairs	PREMISES DESCRIPTION REMAINS THE SAME: Main bar level, outside deck, downstairs walk-in coolers and liquor room, outside walk-in beer cooler. Records are kept in office downstairs	NO	YES	5	NO	PASSED
Davians, Inc.	Amy E. Masterman	RENEWAL	Class "B" Beer & Class C Wine	GE Healthcare Institute - Conference Center, Kitchen, Cafeteria, Storage Room & Offices	PREMISES DESCRIPTION REMAINS THE SAME: GE Healthcare Institute - Conference Center, Kitchen, Cafeteria, Storage Room & Offices	NO	NO	0	NO	PASSED
Docs Dry Dock Inc.	Joshua K. Goodman	RENEWAL	Class "B" Beer & "Class B" Liquor	14 seat bar & 5 tables for dine-in sales, storage in basement & behind the bar.	14 seat bar & 5 tables for dine-in sales, storage in basement & behind the bar.	NO	YES	1	NO	PASSED
Sunset Grill of Pewaukee Lake	Bernie Kook	RENEWAL	Class "B" Beer & "Class B" Liquor	SECOND FLOOR: two offices for use by the management. MAIN LEVEL: this level is approx. 4126 square feet. Alcohol and beer will be sold and consumed in all areas of this floor, which is comprised of a bar/dining area in the lakeside part of the building, waiting area, kitchen, restrooms and in the street side game room of the building also. There is also an attached deck. There are 2 wine/liquor display areas on this floor used for the display and storage of liquor and wine. LOWER LEVEL: This level is approx. 4125 square feet. Alcohol will be sold and consumed in all areas of this floor, which is comprised of a private rental room, walk in cooler & freezer, dry storage area, beer cooler and liquor room. This level also has a patio area, beach area and an existing outside bar.	PREMISES DESCRIPTION REMAINS THE SAME: SECOND FLOOR: two offices for use by the management. MAIN LEVEL: this level is approx. 4126 square feet. Alcohol and beer will be sold and consumed in all areas of this floor, which is comprised of a bar/dining area in the lakeside part of the building, waiting area, kitchen, restrooms and in the street side game room of the building also. There is also an attached deck. There are 2 wine/liquor display areas on this floor used for the display and storage of liquor and wine. LOWER LEVEL: This level is approx. 4125 square feet. Alcohol will be sold and consumed in all areas of this floor, which is comprised of a private rental room, walk in cooler & freezer, dry storage area, beer cooler and liquor room. This level also has a patio area, beach area and an existing outside bar.	NO	YES	5	NO	PASSED

Doing Business As	Sheriff Inspect.	Fire Inspect.	Building Inspect.	Agent Check	Delinquent Real Estate Taxes	Fees Due	Amount Paid	Balance Due	Requested Action
Curly's Waterfront Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$675	\$675	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.
Davians, Inc. Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$227	\$227	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.
Docs Dry Dock Inc. Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$637	\$637	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.
Sunset Grill of Pewaukee Lake Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$677	\$677	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.

Doing Business As	Owner/Applicant or Agent	Application Type	Renewal Type	2025 - 2026 Premises Request	2026 - 2027 Premises Request	Cigarette Application	Amusement Application	Total Amuse Items	Hotel Application	Health Inspect.
5 O'Clock Club of Pewaukee LTD	Richard D. Knutson	RENEWAL	Class "B" Beer & "Class B" Liquor	Liquor/Beer: Main bar room, three dining rooms, outdoor deck and lower patio entry area, back lawn area toward garden (east) Basement 2 rooms, 1 with beer cooler, 1 with liquor storage cage, kitchen and 1st floor hallway. Record Storage: 2nd floor 2 offices, 1 store room 3rd floor attic - old record storage.	PREMISES DESCRIPTION REMAINS THE SAME: Liquor/Beer: Main bar room, three dining rooms, outdoor deck and lower patio entry area, back lawn area toward garden (east) Basement 2 rooms, 1 with beer cooler, 1 with liquor storage cage, kitchen and 1st floor hallway. Record Storage: 2nd floor 2 offices, 1 store room 3rd floor attic - old record storage.	NO	NO	0	NO	PASSED
Gina's Sports Dock	Gina M. Schwister	RENEWAL	Class "B" Beer & "Class B" Liquor	Alcohol is stored in basement in locked liquor rooms. Main Bar and Beach Bar. All product is stored on premise in main building. All alcohol is consumed at main bar or seasonal beach area.	PREMISES DESCRIPTION REMAINS THE SAME: Alcohol is stored in basement in locked liquor rooms. Main Bar and Beach Bar. All product is stored on premise in main building. All alcohol is consumed at main bar or seasonal beach area.	NO	YES	5	NO	PASSED
Holiday Inn	Keanen Kopplin	RENEWAL	Class "B" Beer & "Class B" Liquor	Three-story hotel with basement & outdoor area.	Three-story hotel with basement & outdoor area.	NO	NO	0	YES	PASSED
Wildwood Lodge	Keanen Kopplin	RENEWAL	Class "B" Beer & "Class B" Liquor	Three Story Hotel with Basement	Three-story hotel with basement & outdoor area.	NO	NO	0	YES	PASSED
Jack's Café	John M. Cameron	RENEWAL	Class "B" Beer & Class C Wine	Cafe seats 30 inside 1860's Building. Summer & Fall outdoor seating on two patios which seats 35. Serving Lunch only.	Cafe seats 30 inside 1860's Building. Summer & Fall outdoor seating on two patios which seats 35. Serving Lunch only.	NO	NO	0	PENDING	PASSED

Doing Business As	Sheriff Inspect.	Fire Inspect.	Building Inspect.	Agent Check	Delinquent Real Estate Taxes	Fees Due	Amount Paid	Balance Due	Requested Action
5 O'Clock Club of Pewaukee LTD Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$627	\$627	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services.
Gina's Sports Dock Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$675	\$675	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services.
Holiday Inn Continued...	PASSED	PASSED	PASSED	PENDING	NO	\$652	\$652	\$0	Approve Contingent upon the following: *Receiving favorable background check of agent.
Wildwood Lodge Continued...	PASSED	PASSED	PASSED	PENDING	NO	\$650	\$650	\$0	Approve Contingent upon the following: *Receiving favorable background check of agent.
Jack's Café Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$252	\$227	\$25	Approve Contingent upon the following: *Receiving favorable report from Building Services. *Receiving application and fee for hotel license.

Doing Business As	Owner/Applicant or Agent	Application Type	Renewal Type	2025 - 2026 Premises Request	2026 - 2027 Premises Request	Cigarette Application	Amusement Application	Total Amuse Items	Hotel Application	Health Inspect.
Andrea's Red Rooster	Natasha Koput	RENEWAL	Class "B" Beer & "Class B" Liquor	Dining room, bar, patio, liquor room, beer cooler, liquor closet, beer storage shelves by beer cooler	PREMISES DESCRIPTION REMAINS THE SAME: Dining room, bar, patio, liquor room, beer cooler, liquor closet, beer storage shelves by beer cooler	NO	YES	3	NO	PASSED
Kwik Trip #396	Jared Lavin	RENEWAL	Class "A" Beer & Class C Wine	One story frame construction with storage in lockable walk in cooler & cabinetry. Records kept in office area.	One story frame construction with storage in lockable walk in cooler & cabinetry.	YES	NO	0	NO	PASSED
Machine Shed	Keanen Kopplin	RENEWAL	Class "B" Beer & "Class B" Liquor	Single Story Restaurant, consumed on-property.	Single story restaurant, alcohol is purchased from a distributor, sold as retail, consumed on-property.	NO	NO	0	NO	PASSED
BP Pantry 41	Punjab Walia	RENEWAL	Class "B" Beer & Class C Wine	Cold beer stored inside walk-in cooler. Displayed for retail in the north side glass door cooler. Both doors are closest to registers. Wine sold on shelf facing east, middle section top shelf, in view of registers. All sold at register.	PREMISES DESCRIPTION REMAINS THE SAME: Cold beer stored inside walk-in cooler. Displayed for retail in the north side glass door cooler. Both doors are closest to registers. Wine sold on shelf facing east, middle section top shelf, in view of registers. All sold at register.	YES	NO	0	NO	PASSED
Point Burger Bar	Noelle Schiefelbein	RENEWAL	Class "B" Beer & "Class B" Liquor	Restaurant and outdoor patio in single story commerical building. Liquor kept behind the bar on shelves and coolers and in storage room behind the bar. Beer, wine and alcoholic beverages will be served at the bar, in the dining room, in the arcade area, in the viewing area, in two event rooms and on the outdoor patio.	PREMISES DESCRIPTION REMAINS THE SAME: Restaurant and outdoor patio in single story commerical building. Liquor kept behind the bar on shelves and coolers and in storage room behind the bar. Beer, wine and alcoholic beverages will be served at the bar, in the dining room, in the arcade area, in the viewing area, in two event rooms and on the outdoor patio.	NO	YES	52	NO	PASSED

Doing Business As	Sheriff Inspect.	Fire Inspect.	Building Inspect.	Agent Check	Delinquent Real Estate Taxes	Fees Due	Amount Paid	Balance Due	Requested Action
Andrea's Red Rooster Continued...	PASSED	PASSED	PASSED	PASSED	YES	\$657	\$657	\$0	Approve Contingent upon the following: *Pay delinquent real estate taxes.
Kwik Trip #396 Continued...	PASSED	PASSED	PENDING	PENDING	NO	\$327	\$327	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services. *Receiving favorable background check of agent.
Machine Shed Continued...	PASSED	PASSED	PENDING	PENDING	NO	\$627	\$627	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services. *Receiving favorable background check of agent.
BP Pantry 41 Continued...	PASSED	PASSED	PASSED	PASSED	NO	\$327	\$327	\$0	Approve
Point Burger Bar Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$1,147	\$0	\$1,147	Approve Contingent upon the following: *Receive favorable report from Building Services. *Receiving outstanding balance due.

Doing Business As	Owner/Applicant or Agent	Application Type	Renewal Type	2025 - 2026 Premises Request	2026 - 2027 Premises Request	Cigarette Application	Amusement Application	Total Amuse Items	Hotel Application	Health Inspect.
Queen of Apostles Congregation	James Heinen	RENEWAL	Class "B" Beer & "Class C" Wine	Parish Hall, Gathering Space, Kitchen, Office and Storage Areas	PREMISES DESCRIPTION REMAINS THE SAME: Parish Hall, Gathering Space, Kitchen, Office and Storage Areas	NO	NO	0	NO	PASSED
Smokey's	John Heimsch	RENEWAL	Class "A" Beer	Beer is sold and stored on first floor. Cooler is right inside front door on the left.	PREMISES DESCRIPTION REMAINS THE SAME: Beer is sold and stored on first floor. Cooler is right inside front door on the left.	NO	NO	0	NO	PASSED
Stenny's Lake Country	Brittney Stenstrup	RENEWAL	Class "B" Beer & "Class B" Liquor	bar area with dining room, basement liquor storage, game room, enclosed fenced area behind bar, walk-in cooler in basement.	PREMISES DESCRIPTION REMAINS THE SAME: bar area with dining room, basement liquor storage, game room, enclosed fenced area behind bar, walk-in cooler in basement.	NO	YES	9	NO	PASSED
Stoneridge Market LLC	Sukhdeep Garcha	RENEWAL	Class "A" Beer & "Class C" Wine	Beer stored inside walk-in cooler, displayed for retail in last two north side coolers, doors closest to register, wine stored and displayed on shelves facing east, middle section by register, all sold in stor, check out and at registers.	PREMISES DESCRIPTION REMAINS THE SAME: Beer stored inside walk-in cooler, displayed for retail in last two north side coolers, doors closest to register, wine stored and displayed on shelves facing east, middle section by register, all sold in stor, check out and at registers.	YES	NO	0	NO	PASSED
The Station Pub & Grill	Jason R. Zinda	RENEWAL	Class "B" Beer & "Class B" Liquor	First floor bar & restaurant area, basement storage, kitchen, cooler, freezer, back store room, office, patio, horsehoses and soccer golf area.	PREMISES DESCRIPTION REMAINS THE SAME: First floor bar & restaurant area, basement storage, kitchen, cooler, freezer, back store room, office, patio, horsehoses and soccer golf area.	NO	YES	5	NO	PASSED
Thunder Bay Grille	Keanen Kopplin	RENEWAL	Class "B" Beer & "Class B" Liquor	Single Story Restaurant consumed on property	Single story restaurant, alcohol is purchased from a distributor, sold as retail.	NO	NO	0	NO	PASSED

Doing Business As	Sheriff Inspect.	Fire Inspect.	Building Inspect.	Agent Check	Delinquent Real Estate Taxes	Fees Due	Amount Paid	Balance Due	Requested Action
Queen of Apostles Congregation Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$227	\$227	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.
Smokey's Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$127	\$127	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.
Stenny's Lake Country Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$717	\$717	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.
Stoneridge Market LLC Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$327	\$327	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.
The Station Pub & Grill Continued...	PASSED	PASSED	PENDING	PENDING	NO	\$677	\$677	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services. *Receiving favorable background check of agent.
Thunder Bay Grille Continued...	PASSED	PASSED	PENDING	PENDING	NO	\$627	\$627	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services. *Receiving favorable background check of agent.

Doing Business As	Owner/Applicant or Agent	Application Type	Renewal Type	2025 - 2026 Premises Request	2026 - 2027 Premises Request	Cigarette Application	Amusement Application	Total Amuse Items	Hotel Application	Health Inspect.
The Waters	Emily Lancaster	RENEWAL	Class "B" Beer & "Class C" Wine	Café, Dining Room, Private Dining Room, Patio Off of Café / Dining Room and Specialty Care Dining Room	PREMISES DESCRIPTION REMAINS THE SAME: Café, Dining Room, Private Dining Room, Patio Off of Café / Dining Room and Specialty Care Dining Room	NO	NO	0	NO	PASSED
Waukesha Gun Club	Bradley S. Patterson	RENEWAL	Class "B" Beer & "Class C" Wine	Clubhouse and adjoining patio	PREMISES DESCRIPTION REMAINS THE SAME: Clubhouse and adjoining patio	NO	NO	0	NO	PASSED
Pewaukee Golf Club	Frank J. Romano	RENEWAL	Class "B" Beer & "Class B" Liquor	Club House Golf Bar and Golf Shop. Clubhouse East wall storage closet. Golf Course 18 holes and clubhouse patio.	PREMISES DESCRIPTION REMAINS THE SAME: Club House Golf Bar and Golf Shop. Clubhouse East wall storage closet. Golf Course 18 holes and clubhouse patio.	NO	NO	0	NO	PASSED
Wonderland Tap	Robert J. Boehnen	RENEWAL	Class "B" Beer & "Class B" Liquor	Bar room, walking cooler, liquor room, outdoor horseshoe pits	PREMISES DESCRIPTION REMAINS THE SAME: Bar room, walking cooler, liquor room, outdoor horseshoe pits	NO	YES	6	NO	PASSED
The Crossings Restaurant	Dolores Dominguez	RENEWAL	Class "B" Beer & "Class B" Liquor	Single-story restaurant with main dinning area, kitchen, front service counter, two restrooms, small storage room.	PREMISES DESCRIPTION REMAINS THE SAME: Single-story restaurant with main dinning area, kitchen, front service counter, two restrooms, small storage room.	NO	NO	0	NO	PASSED

Doing Business As	Sheriff Inspect.	Fire Inspect.	Building Inspect.	Agent Check	Delinquent Real Estate Taxes	Fees Due	Amount Paid	Balance Due	Requested Action
The Waters Continued...	PASSED	PASSED	PENDING	PENDING	NO	\$227	\$227	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services. *Receiving favorable background check of agent.
Waukesha Gun Club Continued...	PASSED	PASSED	PENDING	PENDING	NO	\$225	\$225	\$0	Approve Contingent upon the following: *Receiving favorable report from Building Services. *Receiving favorable background check of agent.
Pewaukee Golf Club Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$627	\$617	\$10	Approve Contingent upon the following: *Receiving favorable report from Building Services. *Receiving balance of fees due.
Wonderland Tap Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$687	\$687	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.
The Crossings Restaurant Continued...	PASSED	PASSED	PENDING	PASSED	NO	\$627	\$627	\$0	Approve Contingent upon the following: *Receive favorable report from Building Services.

City of Pewaukee - New Agenda Item

Agenda Language:

Discussion and Possible Action Regarding **Resolution 26-06-14** Wisconsin Department of Natural Resources NR208 Compliance Maintenance Resolution 2025
[Wagner/Mueller]

Sub Item Agenda Language:

Background Provided By:

Magdelene Wagner/Jane Mueller

Background:

Compliance Maintenance Annual Report (CMAR) rule is for publicly and privately owned domestic wastewater treatment works required by Wisconsin Statute NR208. The CMAR is a self-evaluation tool that promotes the owner's awareness and responsibility for wastewater collection and treatment needs, measures the performance of a wastewater treatment works during a calendar year, and assesses its level of compliance with permit requirements.

Attached is the draft CMAR which indicates a grade of A for our collection system.

Fiscal Impact:

Recommended Motion:

Council Approve the CMAR Resolution.

Compliance Maintenance Annual Report

Pewaukee City Sewage Collection System

Last Updated: Reporting For:
6/8/2026 **2025**

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 80%;" type="text" value="Jane E. Mueller"/></p> <p>Telephone: <input style="width: 30%;" type="text" value="(262)691-0804"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 80%;" type="text" value="jem@pewaukee.wi.us"/></p>																	
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p>● Yes (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ No (40 points)</p> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised? Year: <input style="width: 150px;" type="text" value="2025"/></p> <p>● 0-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A (private facility)</p> <p>2.3 Did you have a special account (e.g., CFWP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?</p> <p>● Yes (0 points)</p> <p>○ No (40 points)</p>	0																
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]																	
<p>3. Equipment Replacement Funds</p> <p>3.1 When was the Equipment Replacement Fund last reviewed and/or revised? Year: <input style="width: 150px;" type="text" value="2025"/></p> <p>● 1-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A</p> <p>If N/A, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>3.2 Equipment Replacement Fund Activity</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">3.2.1 Ending Balance Reported on Last Year's CMAR</td> <td style="width: 5%;"></td> <td style="width: 5%; text-align: right;">\$</td> <td style="width: 30%; text-align: center;"><input style="width: 90%;" type="text" value="2,853,023.73"/></td> </tr> <tr> <td>3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$</td> <td style="text-align: center;"><input style="width: 90%;" type="text" value="121,492.30"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: center;"><input style="width: 90%;" type="text" value="2,974,516.03"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$</td> <td style="text-align: center;"><input style="width: 90%;" type="text" value="3,187.00"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR		\$	<input style="width: 90%;" type="text" value="2,853,023.73"/>	3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	+	\$	<input style="width: 90%;" type="text" value="121,492.30"/>	3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 90%;" type="text" value="2,974,516.03"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 90%;" type="text" value="3,187.00"/>	
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Compliance Maintenance Annual Report

Pewaukee City Sewage Collection System

Last Updated: Reporting For:
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3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -

\$ 0.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 2,977,703.03

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

3.3 What amount should be in your Replacement Fund?

\$ 2,728,600.08

0

Please note: If you had a CFWP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

- Yes
- No

If No, please explain.

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

- Yes - If Yes, please provide major project information, if not already listed below.
- No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Kopmeier sanitary sewer relay/replace. We have an approximately 400ft section of truss pipe (we think) that lies at the bottom of a bay in Pewaukee Lake. There are some major sags in the line, and the upstream manhole needs some rehab. Our consultant has recommended pipe bursting this section of sewer. We are currently preparing plans & specifications in 2025 with bidding late summer for winter 2025 - 2026 construction.	\$850,000	2026
2	Sewer line repairs. Includes repairs to areas in which the City will be reconstructing the roadway. Also to include other repairs as needed.	\$150,000	2026
3	Pipe Lining I-94 easement	\$200,000	2027
4	Engineering study Gun Club Lift station service area and pipe condition evaluation study.	\$30,000	2027
5	Rehabilitation of the Spice Creek lift station including upgrades of controls and pumps. Also evaluate collection system improvements to remove lift station.	\$250,000	2027
6	Evaluate collection system improvements to consolidate flow basins to eliminate/consolidate sewage flows to one central lift station.	\$50,000	2027

5. Financial Management General Comments

The Utility reviewed the rates in 2025 which determined a need to increase the rates. A rate study is currently being completed to determine the new sewer rate which is anticipated to be implemented in fall of 2026.

Compliance Maintenance Annual Report

Pewaukee City Sewage Collection System

Last Updated: Reporting For:
6/8/2026 **2025**

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations:

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	19,252	60
February	21,133	71
March	19,704	58
April	18,087	58
May	15,991	61
June	15,291	81
July	11,862	56
August	13,258	70
September	15,057	78
October	12,349	60
November	13,453	55
December	19,824	99
Total	195,261	807
Average	16,272	67

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- Comminution or Screening
- Extended Shaft Pumps
- Flow Metering and Recording
- Pneumatic Pumping
- SCADA System
- Self-Priming Pumps
- Submersible Pumps
- Variable Speed Drives
- Other:

Our new Gun Club Lift Station was set up with the most updated control logic to run with flow pacing with the level indicator.

6.2.2 Comments:

6.3 Has an Energy Study been performed for your pump/lift stations?

- No
- Yes

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<p>Year: <input style="width: 150px;" type="text" value="2021"/></p> <p>By Whom: <input style="width: 300px;" type="text" value="Wisconsin Rural Water Association"/></p> <p>Describe and Comment:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>The study recommended implementing variable speed drive units on the pump motors and upgrade the light fixtures to LED.</p> </div> <p>6.4 Future Energy Related Equipment</p> <p>6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>The Utility will consider the installation of VFD's and other energy efficient fixtures in future lift station construction or lift station upgrades.</p> </div>	
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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Pewaukee City Sewage Collection System

Last Updated: Reporting For:
6/8/2026 2025

Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

- Yes
- No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

- Yes
- No (30 points)
- N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

- Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

Clean 33% of all sewers and manhole inspections. Compile and create a comprehensive list of pipe and manhole lining and repairs needed.

Did you accomplish them?

- Yes
- No

If No, explain:

- Organization [NR 210.23 (4) (b)]

Does this chapter of your CMOM include:

- Organizational structure and positions (eg. organizational chart and position descriptions)
- Internal and external lines of communication responsibilities
- Person(s) responsible for reporting overflow events to the department and the public

- Legal Authority [NR 210.23 (4) (c)]

What is the legally binding document that regulates the use of your sewer system?

Sewer Use Ordinance

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 1996-09-23

Does your sewer use ordinance or other legally binding document address the following:

- Private property inflow and infiltration
- New sewer and building sewer design, construction, installation, testing and inspection
- Rehabilitated sewer and lift station installation, testing and inspection
- Sewage flows satellite system and large private users are monitored and controlled, as necessary
- Fat, oil and grease control
- Enforcement procedures for sewer use non-compliance
- Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

- Equipment and replacement part inventories
- Up-to-date sewer system map

Compliance Maintenance Annual Report

Pewaukee City Sewage Collection System

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- A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation
- A description of routine operation and maintenance activities (see question 2 below)
- Capacity assessment program
- Basement back assessment and correction
- Regular O&M training

Design and Performance Provisions [NR 210.23 (4) (e)]

What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?

- State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
- Construction, Inspection, and Testing
- Others:

City of Pewaukee Construction Standards.

Overflow Emergency Response Plan [NR 210.23 (4) (f)]

Does your emergency response capability include:

- Responsible personnel communication procedures
- Response order, timing and clean-up
- Public notification protocols
- Training
- Emergency operation protocols and implementation procedures

Annual Self-Auditing of your CMOM Program [NR 210.23 (5)]

Special Studies Last Year (check only those that apply):

- Infiltration/Inflow (I/I) Analysis
- Sewer System Evaluation Survey (SSES)
- Sewer Evaluation and Capacity Management Plan (SECAP)
- Lift Station Evaluation Report
- Others:

Phase 1 evaluation of the sewer utility's finances. Phase 2 will be identifying the new sewer rate.

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	36	% of system/year
Root removal	0	% of system/year
Flow monitoring	95	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	5	% of system/year
Manhole inspections	38	% of system/year
Lift station O&M	18	# per L.S./year
Manhole rehabilitation	.1	% of manholes rehabbed
Mainline rehabilitation	0	% of sewer lines rehabbed
Private sewer inspections	0	% of system/year

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Private sewer I/I removal % of private services
 River or water crossings % of pipe crossings evaluated or maintained

Please include additional comments about your sanitary sewer collection system below:

3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

<input type="text" value="39.87"/>	Total actual amount of precipitation last year in inches
<input type="text" value="32.26"/>	Annual average precipitation (for your location)
<input type="text" value="67.7"/>	Miles of sanitary sewer
<input type="text" value="12"/>	Number of lift stations
<input type="text" value="0"/>	Number of lift station failures
<input type="text" value="0"/>	Number of sewer pipe failures
<input type="text" value="0"/>	Number of basement backup occurrences
<input type="text" value="0"/>	Number of complaints
<input type="text" value="1.5"/>	Average daily flow in MGD (if available)
<input type="text" value="5"/>	Peak monthly flow in MGD (if available)
<input type="text"/>	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

<input type="text" value="0.00"/>	Lift station failures (failures/year)
<input type="text" value="0.00"/>	Sewer pipe failures (pipe failures/sewer mile/yr)
<input type="text" value="0.00"/>	Sanitary sewer overflows (number/sewer mile/yr)
<input type="text" value="0.00"/>	Basement backups (number/sewer mile)
<input type="text" value="0.00"/>	Complaints (number/sewer mile)
<input type="text" value="3.3"/>	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
<input type="text" value="0.0"/>	Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **

Date	Location	Cause	Estimated Volume
None reported			

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

- Yes
- No

If Yes, please describe:

5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?

- Yes

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<ul style="list-style-type: none"> ● No <p>If Yes, please describe:</p> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div>	
<p>5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:</p> <div style="border: 1px solid black; padding: 2px;">NA</div>	
<p>5.4 What is being done to address infiltration/inflow in your collection system?</p> <div style="border: 1px solid black; padding: 2px;">The Utility televises a portion of the sanitary sewer annually. Efforts are being made to put together a plan to repair leaking manholes and sewer lines.</div>	

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Pewaukee City Sewage Collection System

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Grading Summary

WPDES No: 0047341

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			4	16
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:

- A = Voluntary Range (Response Optional)
- B = Voluntary Range (Response Optional)
- C = Recommendation Range (Response Required)
- D = Action Range (Response Required)
- F = Action Range (Response Required)

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

City of Pewaukee

Date of Resolution or
Action Taken:

2026-06-15

Resolution Number:

2026-06-14

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Financial Management: Grade = A

Current rate study will determine new rate for 2026 Q3.

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4.00

RESOLUTION #26-06-14

**Wisconsin Department of Natural Resources
NR 208 – Compliance Maintenance Resolution
2025**

WHEREAS, it is a requirement under a Wisconsin Pollutant Discharge Elimination System (WPDES) permit issued by the Wisconsin Department of Natural Resources to file a Compliance Maintenance Annual Report (CMAR) for the City of Pewaukee Wastewater collection system under Wisconsin Administrative Code NR 208; and,

WHEREAS, it is necessary to acknowledge that the governing body has reviewed the Compliance Maintenance Annual Report (CMAR) for 2025; and,

WHEREAS, all sections within the Compliance Maintenance Annual Report (CMAR) received a grade of B or better which results in a Grade Point Average (GPA) of 3.0 or greater.

NOW, THEREFORE, BE IT RESOLVED that the Common Council of the City of Pewaukee does hereby agree to commit reasonable and fiscally prudent funding to operate the City’s sewer utility effectively and maintain an acceptable point average.

Dated this 15th day of June 2026.

CITY OF PEWAUKEE

Steve Bierce, Mayor

This is to certify that this is a true and accurate copy of Resolution 26-06-14 which was adopted by the Common Council of the City of Pewaukee.

Kelly Tarczewski, Clerk-Treasurer

City of Pewaukee - New Agenda Item

Agenda Language:

Discussion and Possible Action to Adopt **Ordinance 06-04** Sanitary Sewer Ordinance
(*First Reading*) [Wagner/Mueller]

Sub Item Agenda Language:

Background Provided By:

Magdelene Wagner/Jane Mueller

Background:

The Sewer Utility has been operating with a sewer ordinance dating back to the mid-1990's when it was a Sanitary District. We have updated the ordinance to reflect the City oversight over the Sewer Utility and brought the ordinance up to date with current standards. This is a full replacement of the existing outdated ordinance.

This is the first reading for this ordinance and will be on the next agenda for full adoption.

Fiscal Impact:

Recommended Motion:

No Action due to First Reading of the ordinance.

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§300-2 **Title**
§300-3 **Adoption of Administrative Codes**
§300-4 **Definitions**
§300-5 **Management**
§300-6 **Application**
§300-7 **Rules and Regulations**
§ 300-8 **Right of Entry**
§ 300-9 **Permits**
§ 300-10 **Prohibited Discharges**
§ 300-11 **Accidental Discharges**
§ 300-12 **Pretreatment Facilities**
§ 300-13 **Grease, Oil, Sand Traps and Inspection Manholes**
§ 300-14 **Wastewater Measurement and Sampling**
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§ 300-16 **Sewer Service Charges and Reserve Capacity Assessment**
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§ 300-18 **Equipment Replacement Account**
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§ 300-22 **Miscellaneous**
§ 300-23 – **Residential Equivalency Connection Table**

SUBCHAPTER I. – GENERAL

§300-1 - Scope

The City of Pewaukee Sewer System consists of the collection system (as hereinafter defined), waste collection and disposal operations, system of sewerage and all other appurtenances and equipment used for such purposes or Wastewater Works (as hereinafter referred to as the “Sewer Utility”).

§300-2 - Title

The ordinance shall be known and cited as the Sanitary Sewer Service Ordinance.

§ 300-3 – Adoption of Administrative Codes

The following Wisconsin Administrative Codes, their referenced codes and standards, and subsequent revisions are hereby made a part of this document by reference and adopted for enforcement by the City:

Chapters SPS 381-387	Plumbing Code
Chapters NR 100-199	Environmental Protection General
Chapters NR 200-299	Wisconsin Pollutant Discharge Elimination System

§ 300-4 - Definitions

A. As used in this Ordinance the following terms shall have the meanings indicated:

- (1) “ACT” means the Federal Water Pollution Control Act as amended, 33 U.S.C. 1251 et seq. as implemented or supplemented by Wis. Admin. Code NR 200.
- (2) “Administrative Expenses” means any and all expenses associated with the administration of the Sewer Utility as defined by the Public Service Commission’s Uniform System of Accounts.
- (3) “Approving Authority” means the City of Pewaukee Common Council or its duly authorized deputy, agent or representative.
- (4) “BOD” (biochemical oxygen demand) means the quantity of oxygen expressed in milligrams per liter (mg/l), utilized in the bio-chemical oxidation of organic matter under standard laboratory conditions for five days at a temperature of 20 degrees centigrade. The laboratory determinations shall be made in accordance with procedures set forth in “Standard Methods”.
- (5) “Building Sewer”, “Lateral”, or “Service Pipe” means a sewer which carries only Sewage and Industrial Wastes from the building plumbing to the Public Sanitary Sewer. The private sewer is that portion the building sewer up to the connection to the mainline sewer. This portion of the sewer line is the responsibility of the property owner to maintain.
- (6) “Collection System” means the system of sewers and appurtenances for the collection, transportation and pumping of domestic wastewater and industrial waste.
- (7) “CMAR” Compliance Maintenance Annual Report” means the annual report required to be submitted by the Sewer Utility to the WDNR under Wis. Admin.

Code NR 208, documenting the condition, operation and financial states of the wastewater collection system.

- (8) "Debt Retirement" means all annual principal and interest requirements and obligations of the Sewer Utility for the Wastewater Works.
- (9) "Domestic Wastewater" means water-borne wastes normally being discharged from the sanitary conveniences of dwellings, institutions, free of industrial wastes and in which the average concentration of suspended solids is established at or below 200/mg/l and the BOD is established at or below 250 mg/l.
- (10) "Flow Proportional Composite Sample" means a sample consisting of portions of waste taken in proportion to the volume of flow of said wastes.
- (11) "Industrial Cost Recovery" means recovery by the City from the industrial users of Wastewater Works of the amount allowable to the treatment of wastes from such users pursuant to Section 204(b) of the Federal Water Pollution Control Act, 33 U.S.C. Section 1284(b).
- (12) "Industrial User" means any non-governmental, non-residential user of publicly owned Wastewater Works which discharges more than the equivalent of 2,000 gallons per day (GPD) of sanitary wastes and whose activities are identified in the Standard Industrial Classification Manual, 1972, Office of Management and Budget, as amended and supplemented, under the following divisions:
 - Division A. Agriculture, Forestry and Fishing
 - Division B. Mining
 - Division D. Manufacturing
 - Division E. Transportation, Communications, Electric Gas and Sanitary Services
 - Division I. Services

In determining the amount of a user's discharge for purposes of industrial and cost recovery, the Sewer Utility may exclude domestic wastes or discharges from sanitary conveniences. After applying the sanitary waste exclusion, dischargers in the above divisions that have a volume exceeding 2,000 GPD or the weight of biochemical oxygen demand (BOD) or suspended solids (SS) equivalent to that weight found in 2,000 GPD of sanitary waste are considered industrial users. Sanitary wastes, for purposes of this calculation of equivalency, are the wastes discharged from residential users. Any non-governmental user of a publicly-owned Wastewater Works which discharges wastewater to the Wastewater Works which contains toxic pollutants or poisonous solids, liquids or gases in sufficient quantity either singly or by interaction with other wastes, to contaminate the sludge of any municipal systems, or to injure or to interfere with any sewage treatment process, or which constitutes a hazard to humans or animals, creates a public nuisance, or creates any hazard in or has an adverse effect on the waters receiving any discharge from the treatment works, shall be an industrial user, even if it does not discharge the equivalent of 2,000 gallons per day of sanitary wastes.

- (13) "Industrial Waste" means any water-borne solids, liquids or gaseous wastes other than domestic wastewater, resulting from discharging from, flowing from or escaping from any commercial, industrial, manufacturing or food processing operation or process or from the development of any natural resource, or any mixture of these with water or domestic wastewater.

- (14) “Infiltration” means water other than wastewater that enters the sewage system (including laterals) from the ground through such sources as defective pipes, pipe joints, connections or manhole walls. Infiltration does not include and is distinguished from inflow.
- (15) “Inflow” means water other than wastewater that enters a sewerage system (including laterals) from sources such as roof leaders, cellar drains, yard drains, area drains, foundation drains, drains from springs and swampy areas, manhole covers, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, storm waters, surface runoff, street wash waters or drainage. Inflow does not include and is distinguished from infiltration.
- (16) “Intercepting Sewer” means a sewer constructed to receive the dry water flow of untreated or inadequately treated sewage from one or more existing sanitary Sewer System terminals other than from a dwelling or building that presently discharges or formerly discharged flow directly into any waters of the state, and convey the flow to a treatment works, or is to serve in lieu of an existing or proposed treatment works.
- (17) “May” is permissive.
- (18) “Natural Outlet” means any outlet into a watercourse, pond, ditch, lake or other body of surface or ground water.
- (19) “Normal Sewage” means sanitary sewage in which BOD, Suspended Solids, or phosphorus concentrations do not exceed normal concentrations of:
- (a) A 5-day 20-degree Celsius BOD of not more than 250 parts per million;
 - (b) A Suspended Solids concentration of not more than 200 parts per million; or
 - (c) Phosphorus not more than 5 parts per million.
- (20) “Operation and Maintenance Cost” means the actual sums spent by the Department in the operation and maintenance of its Wastewater Works consisting of but not limited to, each and all of the following purposes:
- (a) Wages and salaries and employee-related expenses of operating, maintenance, clerical, laboratory and supervisory personnel, together with fringe benefits and premiums paid on such wages and salaries for the State of Wisconsin Workmen's Compensation coverage.
 - Electrical power.
 - Chemicals, fuel and other operating supplies.
 - (a) Repairs to and maintenance of the Sewer System.
 - (b) Premiums for hazard insurance.
 - (c) Premiums for insurance providing coverage against liability for the injury to persons (d) and/or property.
 - (e) Rents and leasing costs.
 - (f) Operation, licensing and maintenance costs for trucks and heavy equipment.
 - (g) Consultant and legal fees.
 - (e) Wastewater treatment, processing and transportation charges.
- (21) “Parts Per Million” means a weight-to-weight ratio; the parts per million value multiplied by the factor of 8.34 shall be equivalent to pound per million gallons of water. Parts per million (ppm) is equivalent to milligrams per liter (mg/l).
- (22) “Persons” means any and all persons, natural or artificial, including any individual, firm, company, municipal or private corporation, association, governmental agency or other entity and agents, servants or employees.

- (23) “pH” means the logarithm (base 10) of the reciprocal of the hydrogen ion concentration expressed in moles per liter. It shall be determined by one of the procedures outlined in the "Standard Methods".
- (24) “Pretreatment” means an arrangement of devices and structures, for the preliminary treatment or processing of wastewater required to render such wastes acceptable for admission to the public sewers
- (25) “Public Sewer” means a sewer in which all owners or abutting properties have equal rights and is controlled or owned by a public authority.
- (26) “Replacement” means expenditures for obtaining and installing mechanical equipment, accessories and appurtenances or major repairs to mechanical equipment which are necessary during the useful life of the Wastewater Treatment Facilities, Wastewater Pumping Stations, Flow Metering Devices, and Standby and Auxiliary Pumping Equipment to maintain the capacity and performance for which such items were designed, constructed or purchased.
- (27) “Reserve Capacity Assessment” is the flow proportional share of the capital costs expended for the sanitary sewer collection system.
- (28) “Residential Equivalent Connection/Unit” is the wastewater flow to the system equivalent to that contributed by an average residential family. One household equals 2.9 people x 68 gallons used per person per day per capita or 200 gal/day/household = 72,000 gallons per year.
- (29) “Sanitary Sewer” means a sewer that conveys domestic wastewater or industrial waste or a combination of both, and into which storm, surface and ground waters or unpolluted industrial wastewater are not intentionally passed.
- (30) “Sewer Service Charge” means the charges levied on users for the Operation and Maintenance and Administrative costs of providing sanitary sewer service.
- (31) “Sewer System” means all facilities for collecting, pumping, treating, and disposing of domestic wastewater and industrial wastes.
- (32) “Shall” is mandatory.
- (33) “Slug” means any discharge of water or wastewater which in concentration of any given constituent or in quantity of flow exceeds for any period longer than 15 minutes more than 5 times the average 24-hour concentration or flows during normal operation and shall adversely affect the collection system and/or performance of the wastewater treatment works.
- (34) “Standard Methods” means the examination and analytical procedures set forth in the latest edition of “Standard Methods for the Examination of Water and Wastewater” as prepared, approved and published jointly by the American Public Health Association and the Water Pollution Control Federation.
- (35) “Storm Sewer” means a sewer which carries storm and surface drainage but excludes domestic wastewater and industrial wastes.
- (36) “Suspended Solids” means solids that either float on the surface of, or are in suspension in water, sewage or other liquids, and which are removable by a laboratory filtration device. Quantitative determination of suspended solids shall be made in accordance with procedures set forth in “Standard Methods”.
- (37) “Unpolluted Water” is water of quality equal to or better than the effluent criteria in effect or water that would not cause violation of receiving water quality standards and would not be benefited by discharging to the sanitary sewers and wastewater treatment facilities provided.

- (38) “User” means any person discharging domestic wastewater or industrial wastes into the collection system.
- (39) “Utility Manager” means the Superintendent of the wastewater treatment or conveyance facilities who shall oversee and supervise the operations and functions of the wastewater treatment or conveyance facilities.
- (40) “Sewer Utility” means the City of Pewaukee Water & Sewer Utility established by this Chapter.
- (41) “Waste” means any solids, liquid or gaseous material or combination thereof discharged from any residences, business building, institutions and industrial establishments into the collection system or storm sewer.
- (42) “Wastewater” means a combination of the water-carried waste discharged into the collection system from residences, business buildings, institutions and industrial establishments, together with such ground surface and storm water as may be present.
- (43) “Wastewater Pumping Station” means a pumping facility utilized to pump wastewater within the collections system.
- (44) “Wastewater Treatment Facilities” means any facilities, devices and structures used for receiving and treating wastewater from the Sewer Utility’s collection system.
- (45) “WPDES Permit” means a permit to discharge pollutants obtained under the Wisconsin Pollutant Discharge Elimination System (WPDES) pursuant to Wis. Stat. Chapter 283.
- (46) “Wastewater Works” means any facilities, devices and structures used for receiving wastewater from the Sewer Utility’s collection system.

§ 300-5 – Management

- A. The operation, management and control of the Sewer Utility is hereby vested in the Common Council of the City of Pewaukee and is referred to as the "Sewer Utility" or the "Approving Authority". All records of the Sewer Utility shall be kept by the City Clerk and Utility Manager in the Sewer Utility Office or other officially designated place. The Sewer Utility shall have all the powers of a utility commission under Wis. Stat. §66.076.
- B. The Utility Manager shall have, except where otherwise provided, the general management and control of all matters pertaining to the sanitary system and shall enforce all state laws, ordinances and lawful orders relating to the construction, alteration, repair, removal, discharge and safety of sewer system infrastructure, buildings and structures associated with the system.
- C. In case of the absence, workloads or the inability of the Utility Manager to act, the City may appoint one or more assistants who shall assist in the daily functions of the City as necessary for the efficient enforcement of this chapter.
- D. The rules, regulations and rates hereinafter set forth shall be considered part of the contract with every individual or entity connected to the Sewer System. Said rules, regulations and rates may be changed from time to time as determined by the Common Council and the right is reserved to make special rates and contracts in all proper cases.

- E. The Utility Manager or authorized agent(s) may at all reasonable hours, for any proper purpose, enter upon any public or private premises and make inspection, and may require the repair of the private system, removal of any illegal discharges into the system, the production of the permit for any plumbing lateral work being done, or the required license to conduct such work. No person shall interfere with or refuse to permit access to any such premises to the representatives of the City while in the performance of their duties.

§ 300-6 - Application

The application of this Chapter, its rules, regulations and rates shall apply to all individuals, firms, corporations and institutions residing within the Sewer Service limits of the City of Pewaukee, and any person, firm or corporation, by attachment to the Sewer System or otherwise by contract or agreement coming within the City of Pewaukee sewer service area subsequent to the effective date hereof.

§ 300-7 – Rules and Regulations

- A. Declaration of Policy
The Common Council of the City of Pewaukee finds and declares that public health, comfort and safety is preserved and enhanced by the provisions of the Sewer System in the promotion of a clean and healthful environment and that the failure to connect to the Sewer System is contrary to minimum health standards.
- B. The City of Pewaukee has entered into agreements for wastewater treatment with the City of Waukesha, and as co-owner of the regional wastewater treatment facility, Fox River Water Pollution Control Center in the City of Brookfield. The Sewer Utility hereby adopts by reference herein the City of Waukesha and the City of Brookfield’s sewer use ordinances. All City of Pewaukee Sewer Utility Customers shall comply with Sewer Use ordinance requirements of these ordinances in addition to this ordinance together with any revisions or updates to these respective ordinances that may be enacted from time to time.
- C. Connection
 - (1) To assure preservation of public health, comfort and safety, the owner of any houses, buildings, or properties used for human occupancy, employment, recreation, or other habitations, situated within the City of Pewaukee and adjacent to a Public Sewer or in a block through which a Public Sewer extends, or is otherwise reasonably available, is hereby required at his/her expense to install suitable toilet facilities therein, and to connect such facilities directly to the proper Public Sewer in accordance with the provisions of this Ordinance.
 - (a) Sanitary sewer main that is extended in an area with existing buildings. Sanitary sewer connection is required upon septic system failure, if the property is on a holding tank or if an immediate health hazard exists within 30 days upon receipt

- of notice from the County Health Officer or City of Pewaukee Plumbing Inspector, or 15 years from the “notice of sanitary sewer availability”.
- (b) Non-residential properties are required to connect at the end of the 5-year period from the date of the “notice of availability”.
 - (c) Mandatory sewer connections for new buildings that are erected where sanitary sewer is available.
 - (d) Mandatory connections for parcels approved for development or subdivision where land division is proposed for development of residences of less than 2 acres, and all non-residential developments.
- (2) If a property owner fails to comply with the said notice to connect within the given period of time, the Sewer Utility may, at its option:
- (a) Cause such connection to be made and bill the property owner for such costs. If such costs are not paid within 30 days, the delinquent costs shall be assessed as a special tax lien against the property. The entire amount of the delinquent costs shall be placed upon the property owner’s tax bill unless the owner, within 30 of receipt of the bill, files a written notice with the Sewer Utility selecting the option for a levy not to exceed 5 equal annual installments, with interest at the rate of 10% per annum. Full payment shall be due at time of sale of property.
 - (b) Impose a standby charge for the period in excess of 12 months that such failure continues after the date the Public Sewer first becomes operational, following 10 days written notice to any owner failing to make a connection to the Sewer System, for an amount equal to 150% of the Sewer Service Equivalency Charge, payable quarterly for the period in which the failure to connect continues. Upon failure to make such payment, all charges shall be levied as a tax against the lot or parcel to which sewerage service was furnished.
- D. Alternative Disposal Prohibited No person shall construct or maintain any privy, privy vault, septic tank, cesspool, or other facility intended to be used for the disposal of domestic wastewater, if a Public Sewer is available.
- E. No person shall discharge to any Natural Outlet within the Sewer Utility in any area under the jurisdiction of the Sewer Utility, sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this Ordinance.
- (1) Plumbers
No plumber or other person will be permitted to engage in or work at any plumbing in connection with the Wastewater Works without first receiving a license from the State of Wisconsin, Department of Safety and Professional Service.
 - (2) Maintenance of Services
All sewer services within the limits of the Sewer Utility at the point of connection to the street main and all street mains, shall be maintained and repaired by the Sewer Utility without expenses to the property owner, except

when damaged by negligence, carelessness or intentional acts on the part of the property owner or occupant, in which case they will be repaired at the expense of the property owner. All Building Sewers from the point of connection at the street main to and throughout the premises served must be maintained free of defective conditions by and at the expense of the owner or occupant of the property served.

(3) Users

- (a) Application for Service: Every person requesting connection to the Sewer System shall file an application in writing to the Sewer Utility, in such form as is prescribed for that purpose. The application must state fully and truly all the uses which will be presently made. If any change in use from that set forth is contemplated, the user must obtain further application and permission from the Sewer Utility. If the applicant is not the owner of the premises, the written consent of the owner must accompany the application.
- (b) Applications for service for a property with more than one building, or more than one building with multiple units through one service connection will require separate applications.
- (c) If it appears that the service applied for cannot be provided by the Sewer Utility, the Sewer Utility may reject the application. If the Sewer Utility approves the application, it shall issue a permit for services as shown on the application.
- (d) All expenses relating to the connection to the Wastewater Works shall be paid by the applicant or owner.
- (e) Tap Permits: No connections to the sewer main shall be made without a Tap Permit. Tap Permit applications must be completed prior to issuance of the Plumbing permit and payment of all applicable fees. Notification to the Sewer Utility must be made 48 hours prior to the tapping to allow for Utility/Engineering inspection of service tap. Obtaining a Tap Permit does not relieve a permittee of its duty to obtain all other necessary permits, or pay fees required by any city, county, state and federal laws, including those required by the State of Wisconsin Plumbing Code. After sewer connections have been installed into any building or upon any premises, no plumber shall make any alterations, extensions, or attachments, unless the party ordering such tapping or other work shall obtain and exhibit the proper permit for the same from the Sewer Utility.
- (f) User to Keep in Repair: All users shall, at their own risk and expense, keep their service pipes in good repair and protected from frost, and shall prevent any unnecessary overburdening of the Sewer System. The

user is responsible for their service pipe from the street main through their facility.

- (g) User's Use Only: No user shall allow other persons to connect to, or permit other uses to be made of, the Sewer System through his/her lateral.
- (h) User to Permit Inspection: Every user shall permit the Sewer Utility or its duly authorized agent, at all reasonable hours of the day, to enter their premises or building to examine the pipes and fixtures, and the manner in which the drains and sewer connections operate; and they must at all times, frankly and without concealment, answer all questions put to them relative to its use.
- (i) Responsibility: No claim shall be made against the Sewer Utility or its agents or employees by reason of the breaking, clogging, stoppage, or freezing of any service pipe; nor from any damage arising from repairing mains, making connections or extensions or any other work that may be deemed necessary by the Sewer Utility, absent legal liability. The Sewer Utility may cut off the service at any time for the purpose of repairs or any other necessary purpose, any permit granted or regulation to the contrary notwithstanding.
- (j) Whenever it becomes necessary to shut off the sewer service within an area of the Sewer Utility, the Sewer Utility shall, if practicable, give reasonable notice to each affected user.

F. Excavations

Excavation requirements in the public right-of-way shall be as specified and required by the Sewer Utility over said right-of-way. In all cases, a permit is required.

(1) Laterals

(a) All laterals on private property shall be installed in accordance with State of Wisconsin Administrative Code as amended from time to time.

(b) The Building Sewer shall be inspected by the City Plumbing Inspector or his/her designee upon completion of placement of the pipe and before backfilling and tested before and after backfilling. The City Plumbing Inspector or his/her designee may order any pipes exposed and removed if said pipes were covered before inspection.

(2) Tapping the Main

(a) No person(s), except those having special permission from the Utility Manager or its designee, or persons in their service and approved by them, shall be permitted under any circumstances to tap the Public Sanitary Sewers. The kind and size of the connection to the Public Sanitary Sewers shall be that specified in the Sewer Tap Permit or order from the Sewer Utility. A minimum 48-hour notice shall be given to

the Sewer Utility prior to tapping any main to coordinate inspection of the tap on the Public Sewer Main.

(b) Pipes should always be tapped at the side, and not within 6 inches of the joint, or within 24 inches of another lateral connection.

(c) When any Building Sewer service is to be re-laid and there are two or more buildings on such service, each building shall be disconnected from such service, and a new and separate Building Sewer shall be installed for each building. Each non-residential building shall install an inspection manhole.

§ 300-8 – **Right of Entry** The Sewer Utility, its' agents and employees, shall be permitted to gain access to such properties as may be necessary for the purpose of inspection, observation, measurement, sampling and testing, in accordance with provisions of this Ordinance, pursuant to Wis. Stat. § 66.121 through § 66.125.

§ 300-9 - **Permits**

A. PERMITS REQUIRED (DOMESTIC WASTEWATER) - No connection, disconnection or reconnection shall be made to any of the sewers of the City from any building, premises, excavation place or property of any kind whatsoever by any building drain, tap or building sewer intended or designed to, or capable of, discharging any matter whether fluid or solid, into the sewers of the City unless a permit has first been issued.

(1) **APPLICATION FOR PERMITS** - Application for a permit shall be made in writing upon a form to be furnished by the City and shall state the name and address of the owner of the building and the owner of the land on which it is to be erected, the name and address of the contractor, the location of the building, the house number thereof and such other information as the Utility Manager may require. With such application there shall be submitted to the City a complete set of plans or a copy of a survey or site plan detailing the proposed location of the sanitary sewer.

(2) **WAIVER OF REQUIREMENTS** - At the option of the Utility Manager, plans, data, specifications and survey need not be submitted with an application for permit to execute minor alterations and repairs to any sewer lateral, private sewer main or private equipment, provided the proposed construction is sufficiently described in the application for permit.

(3) **REVOKING PERMITS**

(a) The Utility Manager may revoke any permit issued under the regulations of this code and may stop construction for any of the following reasons:

1. Whenever there is a violation of any regulation of this code or of any other ordinance, law, and orders, Wisconsin Statute or Wisconsin Administrative Code relating to the same subject matter;

2. Whenever the continuance of any construction becomes dangerous to life or property;
 3. Whenever there is any violation of any condition or provision of the application for permit or of the permit;
 4. Whenever any false statement or misrepresentation has been made in the application for permit, plans, drawings, data, specifications or plot plan on which the issuance of the permit or approval was based;
- (b) Whenever there is a violation of any of the conditions of an approval for the use of any new materials, equipment, methods of construction devices or appliances.
- (c) The notice to revoke a permit, certificate of compliance or approval shall be in writing and shall be served upon the applicant for the permit, owner of the premises and his agent, if any, and on the person in charge of construction. A “stop work order” shall be posted on the construction site.
- (d) After the notice is served upon the persons and posted, it shall be unlawful for any person to proceed thereafter with any construction operation whatsoever on the premises and the permit which has been so revoked shall be null and void. Before any construction or operation is again resumed, a new permit, as required by this code, shall be procured and fees paid therefore and thereafter the resumption of any construction or operation shall be in compliance with the regulation of this code.
- (4) FEES – All applications for a permit must be accompanied by the proper fee. Permit fees shall be set from time to time by resolution of the Commission.
- (5) EXPIRATION OF PERMIT
- (a) The permit shall become void unless construction is commenced within six (6) months from the date the permit is issued or if the work authorized by such permit is suspended at any time after work is commenced, for a period of more than sixty (60) days. The permit shall expire twelve (12) months from the date the permit is issued. Time periods referenced herein may be extended by the Utility Manager if the delay was due to conditions beyond the control of the applicant. No additional permits for the same work shall be issued unless a timetable of completion is agreed upon by the Utility Manager.
 - (b) Before commencing or recommencing work after the expiration of a permit, a new application and appropriate fee shall be submitted and issued.

B. WASTEWATER DISCHARGE PERMIT (NONDOMESTIC WASTEWATER)

- (1) Wastewater Discharge Permit: A wastewater discharge permit is required under this section if a person’s discharge into the Sewer Utility’s Wastewater Works has any of the following components or is otherwise required by the Brookfield or Waukesha Ordinance:

- (a) A BOD greater than 250 mg/l
- (b) A total suspended solids concentration greater than 300 mg/l.
- (c) A volume of 25,000 gallons per day or greater is discharged by any user at one or more points of discharge.
- (d) Any of the characteristics listed under Section [REDACTED].
- (e) Phosphorus 5mg/l.
- (f) Ammonia nitrogen NH₃N 25mg/l

Any person planning to discharge, changing the characteristics of discharge or whose discharge permit has expired shall make application to the Utility Manager or its designee within 60 days prior to the discharge. All persons currently discharging shall make application to the Utility Manager or its designee within 60 days after passage of this Ordinance and must have an executed permit within 60 days of application to discharge or shall discontinue discharging. A discharge permit shall be required for each separate point of discharge into the Sewer Utility's Wastewater Works. No person shall discharge waste or wastewater into the Sewer Utility Wastewater Works without a wastewater discharge permit, if required by the section.

- (2) Permit Application: Users seeking a wastewater discharge permit shall complete and file an application with the Sewer Utility office on the form prescribed by the Sewer Utility. In support of this application, the user shall submit the following information:
 - (a) Name, address, and standard industrial classification number of applicant.
 - (b) Average daily volume of wastewater to be discharged.
 - (c) Wastewater constituents and characteristics as determined by a method approved by the Utility Manager or its designee.
 - (d) Time and duration of discharge.
 - (e) Average and peak wastewater flow rates, including daily, monthly and seasonal variations, if any.
 - (f) Site plans, floor plans, mechanical and plumbing plans and details to show all sewers and appurtenances by size, location and elevation.
 - (g) Description of activities, facilities and plant processes on the premises including all materials and types of materials which are, or could be, discharged.
 - (h) Each product produced by type, amount and rate of production.
 - (i) Number and type of employees and hours of work.
 - (j) Any other information as may be deemed by the Sewer Utility to be necessary to evaluate the permit application.
- (3) Permit Conditions: Wastewater discharge permits shall be expressly subject to all provisions of this Ordinance and all other regulations, user charges and fees established by the Approving Authority. The conditions of wastewater discharge permits shall be uniformly enforced by the Sewer Utility in accordance with this Ordinance, and applicable State and Federal regulations. Permit conditions shall include the following:

- (a) The Residential Equivalency Charge, Sewer Use Charge and Schedule for Surcharge fees for the wastewater to be discharged to the Wastewater Works.
 - (b) The average and maximum wastewater constituents and characteristics.
 - (c) Limits on rate and time of discharge or requirements for flow regulations and equalization.
 - (d) Requirements for installation of control manholes.
 - (e) Pretreatment requirements.
 - (f) Requirements for maintaining plant records relating to wastewater discharges as specified by the Sewer Utility and affording the Sewer Utility access thereto.
 - (g) Average and maximum pollutant concentrations and total daily average, and maximum pollutant discharges for all pollutants subject to limitations and prohibitions which are present in the user's wastewater discharge.
 - (h) Entering into a contractual agreement with the Sewer Utility. The contractual agreement shall contain the conditions set forth in the discharge permit, requirements for industrial cost recovery charges and other items deemed necessary by the Approving Authority.
 - (i) Other conditions as deemed appropriate by the Sewer Utility to ensure compliance with this Ordinance.
- (4) Duration of Permits: A permit shall be issued for 1 year, or on a case-by-case basis, and shall be automatically renewed on a year-to-year basis thereafter, unless the person is notified by the Utility Manager or its designee within 60 days prior to the expiration of the permit or any renewal thereof. After such notification by the Utility Manager or its designee, the permit shall expire at the end of that year. The terms and conditions of the permit shall be subject to modification and change by the Utility Manager or its designee or the Fox River Water Pollution Control Center during the life of the permit, if required because of any Ordinances, statutes or rules and regulations of the Approving Authority of any applicable state or federal body. The person shall be informed of any proposed changes in his/her permit at least 60 days prior to the effective date of change. Any changes or new conditions in the permit shall include a reasonable time schedule for compliance.
- (5) Transfer of a Permit: Wastewater discharge permits are issued to a specific user for a specific operation. A wastewater discharge permit shall not be reassigned or transferred or sold to a new owner, new user, different premises, or a new or changed operation.
- (6) Revocation of Permit: Any user who violates any of the conditions of their permit contractual agreement, or this Ordinance; or the Brookfield Industrial Wastes Code 13.20 as updated from time to time; or of applicable State and Federal regulations, is subject to having their permit revoked.

§ 300-10 - Prohibited Discharges

- A. No person shall discharge or cause to be discharged any storm water, ground water, roof runoff, yard drainage, yard fountain, swimming pool or pond overflow into the collection system. Unpolluted water or waste shall be discharged to only storm sewers or to a natural outlet.
- B. No person shall discharge or cause to be discharged to the collection system either directly or indirectly any of the following described wastes or wastewater:
- (1) Any liquid having a temperature higher than 140 degrees Fahrenheit (60 degrees Celsius). Using test methods specified in 40 CFR Section 261.121.
 - (2) Any wax, grease, or oil, plastic or any other substance that will solidify or become discernibly viscous at temperatures between 32 degrees to 150 degrees Fahrenheit (0 degrees to 65 degrees Celsius).
 - (3) Any solids, liquids or gases which by themselves or by interaction with other substances may cause fire, explosion, hazards, create toxic fumes or in any other way be injurious to persons or property involved in the operation or maintenance of the Sewer System.
 - (4) Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the Wastewater Works, such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails, paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders.
 - (5) Any premoistened non-woven disposable wipe marketed as a baby wipe or diapering wipe; any premoistened non-woven disposable wipe that is composed entirely of or in part of petrochemical-derived fibers and is marketed as cleaning wipes, disinfecting wipes, hand sanitizing wipes, antibacterial wipes, personal care wipes, or hygiene wipes. Additional care should be taken to avoid washing human and pet hair down the drain.
 - (6) Any garbage that has not been properly comminuted or shredded to such a degree that all particles will be carried freely in suspension in the municipal sewers (100% passing ½ inch screen, 90% passing ¼ inch screen).
 - (7) Any noxious or malodorous substance, which either singly or by interaction with other substances is capable of causing odors objectionable to persons of ordinary sensitivity.
 - (8) Any wastes or wastewater having a pH lower than 5.5 or higher than 9.0 or having any corrosive property capable of causing damage or hazards to the Sewer System.
 - (9) Any wastes or wastewater of such character and quantity that unusual attention or expense is required to handle them in the Sewer System.
 - (10) Any wastewater or wastes containing a toxic or poisonous substance such as plating or heat treating wastes in sufficient quantity to injure or interfere with wastewater treatment process, to constitute a hazard to humans or animals, to

create any hazard in the Sewer System, or which would cause the Sewer Utility wastewater treatment facilities to discharge any of the following pollutants in quantities in excess of the limitations established in the Wisconsin Administrative Code or WPDES Permit: cyanide, hexavalent chromium, trivalent chromium, copper, nickel, cadmium, zinc, phenols, iron and tin.

- (11) Any radioactive wastes greater than allowable releases as specified by the current United States Bureau of Standards Handbooks dealing with the handling and release of radioactivity.
 - (12) Free or emulsified oil and grease exceeding on analysis an average of 300 mg/L of either or both of combinations of free or emulsified oil and grease, if, in the opinion of the Utility Manager it appears probable that such wastes or wastewater: See Section § 300-13 Fats, Oils, and Grease and sand trap installations.
 - (13) Any cyanides or cyanogen compounds capable of liberating hydrocyanic gas or acidification in excess of 0.5 mg/l by weight as cyanide in the wastes.
 - (14) Wastes or wastewater which:
 - (a) Cause unusual concentrations of solids or composition; as for example, in total suspended solids of inert nature (such as Fuller's Earth) and/or in total dissolved solids (such as sodium chloride, or sodium sulfate).
 - (b) Cause excessive discoloration in the wastewater treatment facilities discharge.
 - (c) Has BOD in excess of "normal strength" defined as waste not exceeding 250 mg/l, 300mg/l of Total Suspended Solids (TSS), 5 mg/l of Phosphorous or 25mg/l of ammonia nitrogen (NH₃N) based upon a 24-hour composite sample.
 - (d) Is discharged without application for a wastewater discharge permit or contractual agreement.
 - (e) Cause damage to the collection system or impair the treatment process.
- C. No person shall allow the discharge of slugs of water or wastes to the collection system which may be harmful to the operation of the Sewer System. Where, in the opinion of the Utility Manager, slugging does occur, each person producing such a discharge into the collection system shall construct and maintain at his/her own expense, a storage reservoir of sufficient capacity with flow control equipment to ensure an equalized discharge over a 24-hour period.
- (1) No person shall discharge any waste or wastewater which would cause the wastewater treatment facilities to be in violation of any of the requirements of their WPDES permit.
 - (2) No person shall connect to and discharge to the collection system, unless there is capacity available in all downstream components of the Sewer System as determined by the Sewer Utility.

§ 300-11 - Accidental Discharges

Any person who accidentally discharges wastes or wastewater prohibited into the sanitary sewers or storm sewers shall immediately report such discharge to the Sewer Utility.

§ 300-12 - Pretreatment Facilities

- A. The Approving Authority may require pretreatment facilities of any person discharging or planning to discharge industrial waste, if the waste or wastewater:
- (1) Could cause damage to the collections system.
 - (2) Impair the treatment process.
 - (3) Cause the Utility to incur treatment costs exceeding those of domestic wastewater.
 - (4) Have any of the characteristics of the “Prohibited Discharges” described in Ordinance **Section** .
 - (5) Cause the wastewater treatment facilities to exceed its total design loading for volume BOD, suspended solids or pollutant.
 - (6) Cause a particular industry to exceed its design allocation for volume, BOD, suspended solids or any other pollutant.
- B. Construction, operation and maintenance of pretreatment facilities shall be at the expense of the person discharging the industrial waste.
- C. Plans, specifications and any other pertinent information relating to proposed pretreatment facilities shall be submitted for review of the Utility Manager prior to the start of construction.
- D. In accordance with Wis. Admin. Code NR 114, all pretreatment facilities shall be operated by qualified personnel holding certificate of the proper class issued by the WDNR.

§ 300-13 - Grease, Oil, Sand Traps and Inspection Manholes

All Commercial Establishments and other users as described in this Section shall comply with the provisions set forth herein.

- A. Commercial Establishments are those involved in the preparation of food for commercial purposes (i.e., preparing, serving or otherwise making available for consumption foodstuffs) and that use one of the following preparations activities: cooking by frying, baking, grilling, sautéing, rotisserie cooking, broiling, blanching, roasting, poaching, infrared heating, searing, barbecuing, and other food preparation activities that produce a hot, non-drinkable food product in or on a receptacle that requires washing. These facilities include, but are not limited to restaurants, bakeries, cafeterias, hotels, motels, hospitals, nursing homes, grocery stores, schools, churches, caterers, convenience stores, movie theaters, and other users as determined by the City of Pewaukee who discharge applicable waste. Commercial Establishments also include those that discharge grease and/or oil to the sanitary drain system such as oil change garages, car washes automobile repair facilities or any facility engaged with petroleum or mineral based materials.
- B. Any new or existing Commercial Establishments or a facility that produces Fats, Oils, and Grease (FOG) shall be required to submit a FOG control plan that will effectively control the discharge of undesirable materials into the wastewater collection system. This will include but not be limited to best management practices (BMP) and grease and/or sand interceptors. Existing facilities will not be exempt nor “grandfathered” from this requirement. Grease, oil,

and sand interceptors or traps shall be provided for the proper handling of liquid wastes containing fats, oils or grease in excessive amounts, sand and other harmful ingredients except that such interceptors or traps shall not be required for private living quarters or residential dwelling units.

C. Installation Requirements

- (1) All interceptors or traps shall be of a type and capacity approved by the WDNR and Wis. Admin. Code SPS 382.34 and shall be located so as to be readily and easily accessible for cleaning and inspection, and to be effective in capturing fats, oils, and grease to cool enough for these to be trapped. They shall be constructed of impervious materials capable of withstanding abrupt and extreme changes in temperatures and shall be of substantial construction, gas tight, watertight, and equipped with easily removable covers.
- (2) All sewer flows from toilets, urinals, lavatories, etc., shall not be discharged into the grease interceptor. These flows shall be conveyed separately to the sanitary sewer service lateral.
- (3) Only floor drains which discharge or have the potential to discharge grease shall be connected to a grease interceptor.
- (4) Garbage disposals if used must be connected to the grease interceptor.
- (5) Commercial dishwashers must be connected to grease interceptors. Interceptors must be sized to allow enough detention time to allow water to cool and solidify and float to the top of the interceptor.
- (6) Grease interceptors shall be constructed and sized in accordance with the State of Wis. Admin. Code SPS 382.34.
- (7) Approval of proposed facilities or equipment by the WDNR or the Wisconsin Department of Safety and Professional Services does not in any way guarantee that these facilities or equipment will function in the manner described by their constructor or manufacturer nor shall it relieve a Fats, Oils or Grease Producing facility of the responsibility of enlarging, relocating or otherwise modifying such facilities to accomplish the intended purposes.
- (8) Access to grease interceptors shall be available at all times to allow for proper maintenance and inspection.

D. Multi-tenant buildings shall have constructed and maintained means for access for sampling and measure flow of all discharges to the sanitary sewer for each tenant to the satisfaction of the City of Pewaukee. This includes but is not limited to the construction of a sampling manhole for each tenant. All monitoring facilities shall be constructed and maintained in accordance with all applicable state and local construction standards and specifications. Plans for the installation of monitoring facilities and related equipment shall be submitted for review and approved by the Utility Manager prior to the beginning of construction.

E. All grease, oil, and sand interceptors or traps shall be maintained by the user at his/her expense in continuously efficient operation and meet the discharge limits at all times. Grease interceptors must be pumped out completely at a minimum of every 90 days. Some interceptors

may require pumping on a more frequent basis. Maintenance of grease trap shall include the complete removal of floating and settled solids and inspecting and/or repairing any portion of the interceptor that is not functioning properly. Grease hauling shall be performed by a qualified licensed hauler.

- F. Users must provide documentation with the following information at the request of city inspectors.
- (1) Date
 - (2) Condition of interceptor after pumping, including needed repairs
 - (3) Name and license number of haulers
 - (4) Phone number of haulers
 - (5) Quantity pumped (volume)
 - (6) Waste disposal site location and contact information
 - (7) A copy of the original manifest for the waste hauler

Documentation must be retained for a period of no less than 3 years and made available upon request by the City of Pewaukee.

- G. The City of Pewaukee shall have the right to inspect grease interceptors and traps to determine compliance with the requirements of this title. The discharger shall allow the Utility Manager or his/her designee to enter upon the premises of the discharger at all reasonable hours for purposes of inspection, sampling or records examination. Upon written notification by the City of Pewaukee, the facility shall be required to perform maintenance and submit a remediation report to the City of Pewaukee within a timeframe deemed reasonable by the Sewer Utility Manager. Upon inspection by the City of Pewaukee, the facility may be required to install at their expense, additional controls to provide a complete system that prevents discharges of undesirable materials into the wastewater collection system.
- H. Chemical treatments such as drain cleaners, acid or other chemical additives to emulsify or remove grease are strictly prohibited. The introduction of grease or fat into a grease interceptor shall be prohibited per Wis. Admin. Code 382.34(5)(e).

§ 300-14 - Wastewater Measurement and Sampling

- A. Wastewater flows shall be assigned in accordance with the Residential Equivalency Connection Table provided in Section § 300-23 unless:
- (1) Any lot, parcel of land, building or premises discharging domestic wastewater or industrial waste into the collection system, the owner or occupant of such property installs necessary metering equipment as approved by the Sewer Utility Manager to measure the quantity of water pumped or discharged to the collection system. The user charge shall be based on the quantity of water so measured. Whenever the person fails to install such metering equipment, or where it is not practicable to measure the water consumed on any premises by a meter or meters, the Sewer Utility Manager shall determine the estimated volume of water discharged into the Wastewater Works.

- (2) The City of Pewaukee may require the installation of devices for metering the volume of waste discharged if those volumes cannot otherwise be determined or if the user discharges over 25,000 gallons on any day for significant industrial users. The metering devices shall be owned and maintained by the property owner or user and may not be removed without consent of the Sewer Utility Manager.
- (3) Control Manholes/Inspection Manholes: All persons discharging non-residential wastes into the Wastewater Works shall construct and maintain control manholes in suitable and accessible positions on public property, public right-of-way or easement to facilitate the observation, measurement and sampling of all wastes or wastewater. Control manholes shall be located and constructed in a manner approved by the Sewer Utility Manager. Plans shall be submitted to the Sewer Utility Manager prior to construction.
- (4) Multi-tenant, non-residential buildings must have constructed and maintained means for access for sampling and measuring flow of all discharges to the sanitary sewer for each tenant to the satisfaction of the Sewer Utility Manager. All monitoring facilities shall be constructed and maintained in accordance with all applicable state and local construction standards and specifications. Plans for the installation of monitoring facilities and related equipment shall be submitted for review and approval to the Sewer Utility Manager prior to the beginning of construction.

§ 300-15 - Industrial Waste Analysis

- A. The City of Pewaukee, Fox River Water Pollution Control Center or its designee shall collect samples and perform laboratory tests on industrial waste discharges as necessary to verify quantity of flow and character and concentration of an industrial waste. The test results shall be used to determine the applicable surcharge.
- B. Waste or wastewater discharge may be sampled manually or by the use of mechanical equipment as necessary to obtain a representative 24-hour composite sample. Samples shall be taken at intervals as determined by the Sewer Utility Manager or the Fox River Water Pollution Control Center.
- C. When Wis. Admin. Code NR 202 requires the submittal of the character, and concentration of wastes, waste volume and production information to the City of Pewaukee or Fox River Water Pollution Control Center or WDNR, the user shall have the waste character and concentration determined by a WDNR certified testing laboratory. A copy of the test results and WDNR reports shall be submitted to the Sewer Utility Manager.
- D. All measurements and test analysis of the characteristics of industrial wastes shall be determined in accordance with "Standard Methods".

§ 300-16 – Sewer Service Charges and Reserve Capacity Assessment

- A. Basis for Sewer Service Charges - The sewer service charge imposed under this section shall generate sufficient revenues to pay the total operation and maintenance costs necessary to the proper operation and maintenance (including replacement) of the Sewer System. Such system of sewer service charges shall maintain the proportional distribution of operation and maintenance costs among user classes.
- B. Sewer Service Charge
- (1) A Sewer Service Charge is hereby imposed upon each building or premise (user) served by the Sewer System or otherwise discharging sewage, including non-domestic and industrial wastes, into the system. The annual Sewer Service Charge shall be the sum of the following components, rounded to the nearest 10th of a dollar when computed on a quarterly basis:
 - (a) One Administrative Component;
 - (b) The product of the Operation and Maintenance Component times the number of residential equivalent connections assigned to a user; and
 - (c) The product of the Debt Service Component times the number of residential equivalent connections assigned to the user.
 - (2) The Administrative Component shall be the product of 50% of the Utility's budgeted administration costs divided by the base number of sewer users.
 - (3) The Operation and Maintenance Component shall be the product of the budgeted sewer system operating and maintenance costs divided by the base number of residential equivalent connections. Depreciation expense shall be included in the Operation and Maintenance Component of the Sewer Service Charge. The depreciation expense included in the Utility's budget for operation and maintenance shall be computed on a basis consistent with generally accepted accounting principles. At a minimum, depreciation included in the Operation and Maintenance Component of the Sewer Service Charge shall equal the yearly replacement costs as defined by Wis. Admin. Code NR 128.3, and 40 CFR 35.2005(30)(i) and (ii) of the Federal Register.
 - (4) The Debt Service Component shall be the product of the debt service requirement necessary to make the subsequent year's payments on the Wisconsin Clean Water Fund Loan, or any other financing used to upgrade and expand the Fox River Water Pollution Control Center, Interceptors with shared flow between the Lake Pewaukee Sanitary District, Town of Brookfield Sanitary District No. 4 and the City of Brookfield, and the Village of Pewaukee's force main and lift stations, and any other costs as assigned by the Common Council of the City of Pewaukee divided by the base number of residential equivalent connections.

- (5) The Debt Service Component is intended to accumulate, by the end of each calendar year, funds sufficient to meet the subsequent year's debt service needs. The Utility has established a Reserve Capacity Assessment (RCA) to finance, among other projects, the costs of new, upgraded, and existing capacity in the Fox River Water Pollution Control Center. Any and all funds collected through the RCA may be used to offset the Debt Service Component of the Sewer Service Charge. The Common Council shall determine, in conjunction with the approval of the annual Sewer Service Charge, the amount, if any, of accumulated RCA funds to be used to offset the Debt Service Component of the Sewer Service Charge.
- (6) The Base Number of Residential Equivalent Units shall be the number of residential equivalent connections serviced by the Utility as of the last day of the preceding fiscal year.
- (7) The Base Number of Sewer Users shall be the number of sewer users serviced by the Utility as of the last day of the preceding fiscal year.

C. Quarterly Billings: Users shall be billed quarterly for one quarter of the annual Sewer Service Charge. Such bills become due and payable on the 10th of the month following the period for which service is rendered. A late payment charge of 1.0% per month shall be added to bills not paid within 20 days of issuance. The late payment charge shall be applied to the total unpaid balance for utility service, including unpaid late payment charges. The late payment charge is applicable to all customers.

D. Prorated Billings: Quarterly billings of the Sewer Service Charge shall be prorated for new service connections based upon the number of months of service during the quarter. Service starting on or before the 15th day of the month shall be treated as occurring on the first day of that month. Service starting after the 15th day of the month shall be treated as occurring on the 1st day of the subsequent month.

- (1) Excess Revenues: Excess Revenues collected from a user class within a fiscal year shall be applied to that user class for the Operation and Maintenance Component of the Sewer Service Charge in the subsequent year. Excess revenues shall be computed by the end of the second quarter of the subsequent fiscal year and shall be applied equally to the Sewer Service Charge for the second, third and fourth quarter of the fiscal year. Excess Revenues shall be defined as that amount of revenue generated by the Sewer Service Charge in excess of the sum of:
 - (a) Actual Operation and Maintenance Costs, including 100% of actual depreciation expense computed on a basis consistent with generally accepted accounting principles,
 - (b) Administrative Costs allocated to the sewer utility,
 - (c) All debt service costs allocated to the sewer utility, and
 - (d) A rate of return of 8.5% on the sewer utility's Net Investment Rate Base.

- (2) Net Investment Rate Base: shall be the larger of zero or the average net book value of sewer system assets, including assets constructed jointly with other governmental agencies, individuals, or other organizations, less the average of contributions in aid of construction.
- (3) Notification: Users shall be notified annually of the portion of the Sewer Service Charge attributable to wastewater treatment services.
- E. Industrial and Commercial Charges for Other Than Domestic Wastewater and Surcharge for Discharging Conventional Pollutants.

- (1) Charges for Wastewater other than Domestic Wastewater shall be based on Flow, BOD, Suspended Solids, Phosphorus and such other constituents which affect the cost of the collection and treatment. All persons discharging wastes into the Sewer System are subject to a surcharge, in addition to any other wastewater service charge, if their wastewater has a concentration greater than Domestic Wastewater concentrations. The volume of flow used for computing waste surcharges shall be the metered water consumption, or the actual volume of waste as determined by an industrial waste meter in installation. The amount of surcharge shall reflect the cost incurred by the Sewer Utility in removing BOD, Suspended Solids, Phosphorus, and other pertinent constituents. The surcharge shall be computed on the basis of Model No. 2, Federal Register, Vol. 39, No. 29, Feb. 11, 1974, p. 5270.

$$\text{Surcharge} = [B (B) + S (S) + P (P)] V$$

- (2) Surcharge for Discharge of Toxic Pollutants
Users discharging toxic pollutants prohibited by this ordinance, shall in addition to any fines or penalties levied by the Sewer Utility pay for any increased operating, maintenance, including depreciation, and administrative costs attributable to such discharge.

F. Reserve Capacity Assessments

The City has levied and assessed upon each lot or parcel of land currently within the Sewer Utility, but not having an existing connection to the Sewer System and upon land subsequently attached to the Sewer Utility, a Reserve Capacity Assessment (RCA). Each RCA charge shall be payable as herein provided and shall be on the basis of one RCA charge for each Residential Equivalent Connection connected to the Sewer System.

- (1) Schedule of Charges: The Reserve Capacity Assessment for a single-family residence shall be as determined by resolution by the Common Council which shall also be the unit of charge for a Residential Equivalent Connection. The Director of Public Works/City Engineer shall determine the residential equivalency units for all other categories of buildings. Special charges may be

determined by the Approving Authority for large commercial or industrial users. The RCA charge shall be increased as required from time to time by the Sewer Utility.

- (2) Payments: Payments of the RCA charge for future connections shall be made in full prior to the issuance of a building or plumbing permit.
- G. Special Rates: The approving authority may at any time hereafter, set special rates for any large commercial service, industrial use of any other unique user that does not readily fit into other categories of users.
- H. Special Assessments - Nothing contained in this Ordinance shall prohibit or preclude the City from levying, from time to time, special assessments in the manner provided by law.

§ 300 –17 - Annual Budget and Method of Payment of Charges

- A. Annually, before November 1st, the Sewer Utility shall prepare a budget for the subsequent fiscal year which shall be separated into the following sections, 1) Operation, 2) General Maintenance and Administration, and 3) Debt Service.
- B. Billing: The property owner is held responsible for all sewer bills on premises that they own. All sewer bills and notices of any nature, relative to the sewer service, shall be addressed to the owner and/or occupant and delivered to the addressee by first class mail.
- C. Failure to Receive Bill No Penalty Exemption: Reasonable care shall be exercised in the proper delivery of sewer bills. Failure to receive a sewer bill, however, shall not relieve any person of the responsibility for payment of sewer rates within the prescribed period, nor exempt any person from any penalty imposed for delinquency in the payment thereof.
- D. Delinquent Bills: On the 15th day of October each year, notice shall be given to the owner or occupant of all lots or parcels of real estate to which service has been furnished prior to October 1 and payment for which is owing and in arrears at the time of giving such notice. The Utility Clerk shall furnish the City Treasurer with a list of all such lots or parcels of real estate, and the notice shall be given by the City Treasurer. The Utility Clerk shall notice all delinquent accounts. Notice shall be in writing and shall state the amount of such arrears, including any penalty assessed pursuant to the rules of such Sewer Utility; that unless the same is paid by the 31st day of October, the same shall be assessed a 10% penalty. Any remaining arrears as of November 15th shall be levied as a special charge on the real estate tax bill against the lot or parcel of real estate to which service was furnished and for which payment is delinquent as above specified. Such notice may be served by delivery to either such owner or occupant personally, or by letter addressed to such owner or occupant at the post office address of such lot or parcel of real estate. On the 16th day of November, the City Treasurer

issuing the notice shall certify and file with the Sewer Utility a list of all lots or parcels of real estate, giving the legal description thereof and the amount of unpaid arrears and penalty. Each such delinquent amount, including such penalty, shall thereupon become a lien upon the lot or parcel of real estate to which the service was furnished and payment for which is delinquent, and the Sewer Utility shall insert the same as a tax against such lot or parcel of real estate pursuant to Wis. Stat. § 66.0809. All proceedings in relation to the collection of general property taxes and special assessments and to the return and sale of property for delinquent taxes and special assessments shall apply to said tax if the same is not paid within the time required by law for payment of taxes upon real estate.

§ 300 –18 - Equipment Replacement Account

- A. The Sewer Utility shall establish a segregated replacement account for the purpose of accumulating cash reserves. Such reserves shall be available for the Replacement Costs of the Sewer System as necessary for the purpose of extending the useful life of mechanical equipment. The account was initially funded with cash in an amount equal to the depreciation accumulated on all mechanical equipment associated with the operation and maintenance of the Sewer System incurred through December 31, 1988.
- B. The Sewer Utility shall periodically, but at least annually, deposit cash in the Equipment Replacement Account equal to the yearly depreciation computed on mechanical equipment associated with the Sewer System.
- C. Depreciation for this purpose shall be computed using the half year convention on the straight-line method over the estimated useful life of the mechanical equipment.

§ 300-19 – Records

The City shall keep a record of all applications for connections, disconnection or reconnection permits, and each permit shall be regularly numbered in the order of its issue, and a record showing the number, description, and size of all laterals installed indicating the kind of materials used and the location of such lateral shall be kept. In addition, the City shall keep a record of all inspections made, the removal of buildings or their laterals, and a record of all fees collected showing the date of their receipt.

§ 300-20 Confidentiality of Critical Information

When requested by the user furnishing a report or permit application or questionnaire, the portions of the report, or other document, which might disclose trade secrets or secret processes shall, to the extent legally permissible, remain confidential.

§ 300-21 Violations

- A. Any person who fails to comply with any of the provisions of this Ordinance or with an order of the Approving Authority issued in pursuance of this Ordinance, or shall tamper with metering or sampling, shall be liable to the Utility for any expense, loss or damage occasioned by such violation including reasonable attorney fees and other expenses of litigation and upon conviction of any violation of this Ordinance, shall be

fined not less than \$200 nor more than \$5,000 per violation, plus damages. Each day a condition is allowed to exist which is contrary to all, or any part of this Ordinance shall constitute a new violation. Change of ownership or occupancy of premises delinquent under the provisions of this Ordinance shall not be cause for reducing or eliminating charges due and penalties for violations

- B. If any user shall discharge waste or wastewater with a BOD concentration of 900 mg/l or greater, said user shall pay a penalty of \$1,000 per violation. Each day a violation occurs shall constitute a separate violation. Said penalty shall be added to the monthly or quarterly billing statement.
- C. In addition to the Court proceedings and penalties described in the foregoing sections of this Ordinance, whenever a person violates any provision of this Ordinance or fails to comply with any order of the Approving Authority, the Approving Authority may order that an action be commenced on behalf of the Utility/City of Pewaukee in the Circuit Court for Waukesha County for the purpose of obtaining an injunction restraining the person violating the Ordinance or failing to comply with the Order, from making any further discharges into the Sewer System of the Utility.
- D. Any existing or new FOG-producing facility not submitting a FOG and food waste control plan within the timeframe determined by the Utility Manager or its designee shall be fined no more than \$50 per day for each day the plan is late.
- E. Any FOG producing facility, after inspection by the City of Pewaukee, that has not made the necessary repairs or remediation and submitted a remediation report as ordered by the City of Pewaukee within the designated timeframe shall be fined no more than \$100 per day for each day the plan is late.
- F. Any FOG producing facility found using chemical and/or biological additives to emulsify or remove grease shall be fined no more than \$100 for the 1st offense, \$200 for the 2nd offense, \$1,000 for 3rd offense and \$2,000 for each offense thereafter.
- G. Any user exceeding the maximum daily concentration of 300 mg/l of grease shall be fined no more than \$500 per offense.
- H. Facilities whose discharge causes a deposit or obstruction or in any manner causes damage to or impairs the public sewerage collection system and wastewater treatment facility shall be liable for any expense, loss caused by such violation or discharge. The Utility shall bill the user for the cost incurred for any cleaning, repair, and replacement of the public sewerage collection system or restoration of receiving water damaged by any discharges from the public sewerage collections system.
- I. Facilities found guilty of falsifying maintenance and manifest records shall be fined \$500 for 1st offense, \$1,000 for 2nd offense, \$2,000 for 3rd offense and \$5,000 for each subsequent offense. In addition, further criminal charges and penalties may be applicable.

- J. REMEDIES CUMULATIVE - All remedies provided for in this Ordinance and in the City of Pewaukee Sewer Use Ordinance are distinct and cumulative to any other right or remedy under this Ordinance or any other City of Pewaukee Ordinance or afforded by law or equity; and may be exercised by the Commission concurrently, independently, or successively.

§ 300.22 – **Miscellaneous**

- (1) SUPERSEDING PREVIOUS SEWER SERVICE CHARGE ORDINANCES - This Ordinance establishing sewer service charges and user regulations shall supersede and replace all previous sewer service ordinances of the City.

§ 300.23 – **Residential Equivalency Connection Table**

The following list of users will be assigned R.E.C.’s as listed:

A. RESIDENTIAL

<u>Description</u>	<u>R.E.C.</u>
Single Family	1
Duplex	2 (1 per Unit)
2 Units and Up to 7 Units	0.8 (per Unit)
Multi-Family (8 or More Units)	0.75 (per Unit)
Vacant Lot	0

B. COMMERCIAL / INDUSTRIAL

<u>SIC CODE</u>	<u>DESCRIPTION</u>	<u>GALLONS PER EMPLOYEE HOURS</u>
0742	Veterinary Services for Animal Specialties	20.0
0752	Animal Specialty Services	16.0
0782	Lawn and Garden Services	10.0
1446	Industrial Sand	5.0
1521	General Contractors – Residential	2.3
1541	General Contractors - Industrial Bldgs. & Warehouses	2.3
1611	General Contractors - Public Works	2.3
1711	Plumbing, Heating & Air Conditioning	2.3
1731	Electrical Work	2.3
1761	Roofing and Sheet Metal Work	2.3
1799	Special Trade Contractors, N.E.C.	2.3
2013	Sausage & Other Prepared Meats	110.0
2065	Candy and Other Confectionary Products	50.0
2087	Flavoring Extracts & Syrups, N.E.C.	75.0
2394	Canvas and Related Products	2.3
2431	Millwork	5.0

2434	Wood Kitchen Cabinets	5.0
2522	Metal Office Furniture	2.3
2721	Periodicals: Publishing & Printing	10.0
2731	Books: Publishing & Printing	10.0
2751	Commercial Printing, Letterpress & Screen	10.0
2752	Commercial Printing, Lithographic	10.0
2789	Bookbinding and Related Work	10.0
2795	Lithographic Platemaking & Related Services	25.0
2819	Industrial Inorganic Chemicals, N.E.C.	10.0
2834	Pharmaceutical Preparations	10.0
2841	Soap & Other Detergents	15.0
2893	Manufacturing of Printing Ink	30.0
2899	Chemicals & Chemical Preparations, N.E.C.	10.0
3079	Miscellaneous Plastics Products	85.0
3111	Leather Tanning & Finishing	345.0
3272	Concrete Products, Except Block & Brick	35.0
3273	Ready-Mixed Concrete	90.0
3293	Gaskets, Packings and Sealing Devices	2.3
3325	Steel Foundries, N.E.C.	115.0
3341	Secondary Smelting & Refining of Non-ferrous Metals	2.7
3441	Fabricated Structural Metal	25.0
3442	Metal Doors, Sash, Frames, Molding and Trim	2.3
3444	Sheet Metal Work	40.0
3451	Screw Machine Products	10.0
3462	Iron and Steel Forgings	5.0
3469	Metal Stampings, N.E.C.	5.0
3471	Electroplating, Plating, Polishing, Anodizing, etc.	50.0
3479	Coating, Engraving and Allied Services, N.E.C.	100.0
3495	Wire Springs	2.3
3498	Fabricated Pipe and Fittings	2.3
3499	Fabricated Metal Products, N.E.C.	25.0
3531	Construction Machinery and Equipment	5.0
3544	Specialty Dies & Tools, Die Sets, Jigs & Fixtures, Molds	10.0
3562	Ball and Roller Bearings	5.0
3565	Industrial Patterns	5.0
3569	General Industrial Machinery & Equipment, N.E.C.	4.0
3576	Scales and Balances, Except Laboratory	2.3
3599	Machinery, Except Electrical, N.E.C.	10.0
3613	Switchgear and Switchboard Apparatus	5.0
3632	Household Refrigerators, Home & Farm Freezers	2.3
3694	Electrical Equipment for Internal Combustible Engines	2.3
3714	Motor Vehicle Parts and Accessories	75.0
3999	Manufacturing Industries, N.E.C.	2.3
4141	Local Passenger Transportation Charter Service	2.3
4151	School Busses	2.3
4212	Local Trucking Without Storage	10.0

4213	Trucking, Except Local	2.3
4225	General Warehousing and Storage	2.3
4311	U.S. Postal Service	2.3
4722	Travel Agency	2.3
4811	Telephone Communication	2.3
4832	Radio Broadcasting	2.3
5042	Toys and Hobby Goods and Supplies	2.3
5063	Electrical Apparatus and Equipment	2.3
5064	Electrical Appliances	2.3
5072	Hardware – Wholesale Distribution	2.3
5082	Construction and Mining Machinery and Equipment	2.3
5084	Industrial Machinery and Equipment	2.3
5142	Frozen Foods	10.0
5149	Wholesale Groceries & Related Products, N.E.C.	10.0
5199	Wholesale Non-durable Goods, N.E.C.	10.0
5211	Lumber & Other Building Materials Dealers	2.3
5231	Paint, Glass, Wallpaper	2.3
5251	Hardware – Retail Sales	2.3
5261	Retail Nurseries, Lawn & Garden Supply Stores	10.0
5271	Mobile Home Dealers	2.3
5311	Department Stores	2.3
5331	Variety Stores	2.3
5411	Grocery Stores with Meat & Produce Departments	16.0
5412	Grocery Stores without Meat & Produce Departments	6.0
5441	Candy, Nut and Confectionery Stores	10.0
5462	Retail Bakeries – Baking and Selling	10.0
5499	Miscellaneous Food Stores	2.3
5511	Motor Vehicle Dealers	5.0
5531	Auto and Home Supply Stores	2.3
5541	Gasoline Service Stations	15.0
5551	Boat Dealers	5.0
5611	Clothing Stores	2.3
5661	Shoe Stores	2.3
5681	Furriers and Fur Shops	5.0
5711	Furniture, Floor Coverings, Appliances	2.3
5812	Eating Places (Restaurants)	20.0
5813	Drinking Places (Taverns)	45.0
5912	Drug Stores and Proprietary Stores	2.3
5921	Liquor Stores	2.3
5931	Used Merchandise Stores	2.3
5941	Sporting Goods Stores and Bicycle Shops	2.3
5942-9	Miscellaneous Stores	2.3
5992	Florists	10.0
5999	All Other Retail Stores	2.3
6022-59	Banks	2.3
6122-63	Savings and Loans	2.3
6311	Insurance Companies	2.3

6411	Insurance Agents	2.3
6512	Operators of Non-residential Buildings	2.3
6515	Operators of Residential Mobile Home Sites	2.3
6531	Real Estate Agents and Managers	2.3
6553	Cemetery Subdividers and Developers	2.3
6722	Management Investment Offices	2.3
7211	Power Laundries, Family and Commercial	105.0
7212	Cleaning and Laundry Pick-up Stations	2.3
7215	Factory Coin-Op Laundries and Dry Cleaning	910.0
7221	Photographic Studios	2.3
7231	Beauty Shops	16.0
7241	Barber Shops	10.0
7261	Funeral Service and Crematories	15.0
7299	Miscellaneous Services, N.E.C.	2.3
7311	Advertising Agencies, Employment Services	2.3
7332	Blueprinting and Photocopying Services	2.3
7361	Employment Agencies	2.3
7391	Research and Development Laboratories	10.0
7395	Photofinishing Labs	10.0
7512	Passenger Car Rental and Leasing, w/o Drivers	10.0
7531	Top and Body Repair Shops	5.0
7534	Tire Retreading and Repair Shops	20.0
7538	General Automotive Repair Shops	5.0
7542	Car Washes	115.0
7622	Radio and Television Repair	2.3
7699	Repair Shops and Related Services, N.E.C.	2.3
7814	Motion Picture and Tape Production	10.0
7832	Motion Picture Theaters, not Drive-Ins	20.0
7911	Dance Halls, Studios and Schools	20.0
7922	Theatrical Producers	20.0
7933	Bowling Alleys	50.0
7992	Public Golf Courses	45.0
7997	Membership Sports and Recreation Clubs	75.0
7999	Roller Rinks, Gymnasiums, Museums	20.0
8011	Offices of Physicians	10.0
8021	Offices of Dentists	10.0
8031	Offices of Osteopaths	10.0
8041	Offices of Chiropractors	10.0
8051	Skilled Nursing Care	20.0
8091	Health and Allied Services, N.E.C.	10.0
8111	Attorneys	2.3
8211	Elementary and Secondary Schools	20.0
8221	Colleges, Universities and Professional Schools	25.0
8231	Libraries and Information Centers	20.0
8249	Vocational Schools, N.E.C.	20.0
8421	Arboreta, Botanical and Zoological Gardens	45.0
8621	Professional Membership Organizations	2.3

CITY OF PEWAUKEE**CHAPTER 300 – SANITARY SEWER SERVICE ORDINANCE****April 20, 2025**

8641	Civic, Social and Fraternal Associations	15.0
8661	Religious Organizations (hours occupied only)	20.0
8699	Membership Organizations, N.E.C.	2.3
8911	Engineering, Architectural & Surveying Services	2.3
8931	Accountants	2.3
9199	General Government, N.E.C.	2.3
9221	Police Protection	2.3
9224	Fire Protection	2.3
9451	Administration of Veteran's Affairs	2.3
9999	All Offices, N.E.C.	2.3

NOTE: Minimum R.E.C. per user shall be 1 R.E.C. Any category of user not listed shall be assigned an R.E.C. by the Common Council after recommendation of the Director of Public Works/City Engineer. All R.E.C.'s shall be established to the nearest 0.25 R.E.C.

NOTE: Parsonages should be regarded as single family residences.

City of Pewaukee - New Agenda Item

Agenda Language:

Discussion and possible action regarding the 2025 Annual Consumer Confidence Report [Mueller/Kincaid]

Sub Item Agenda Language:

Background Provided By:

Jane Mueller

Background:

Included for your review is the Annual Consumer Confidence Report. The EPA and DNR require all municipal water suppliers to provide an annual water quality report to their customers. This water quality report is made available to Water Utility customers through the City website.

Beginning in 2027, the Consumer Confidence Report will be required to be issued semi-annually, with reports due by June 30th and December 31st each year.

Fiscal Impact:

Recommended Motion:

Common Council approve the 2025 Consumer Confidence Report.



2025 CONSUMER CONFIDENCE REPORT DATA

PEWAUKEE CITY WATER AND SEWER UTILITY, PWS ID: 26802149

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda. Dłaim ntawv tshaabzu nuav muaj lug tseemceeb heev nyob rua huv kws has txug cov dlej mej haus. Kuas ib tug paab txhais rua koj, los nrug ib tug kws paub lug thaam. (This report contains information about your drinking water. Have someone translate it for you or talk to someone who understands it.)

Water System Information

If you would like to know more information about the information contained in this report, please contact Jane E. Mueller, Utility Manager at (262) 691-0804, or email publicworks@pewaukee.wi.us. The City of Pewaukee provides an opportunity for public input on decisions affecting your water quality at City of Pewaukee Common Council meetings, held on the first and third Monday of the month at 6:30 p.m. at Pewaukee City Hall, Common Council Chambers, W240N3065 Pewaukee Road, Pewaukee, WI 53072, unless otherwise noted.

Health Information

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline at (800) 426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people such as those with cancer undergoing chemotherapy, people who have undergone organ transplants, people with HIV/AIDS, or other immune systems disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

Source(s) of Water

Source ID	Source	Depth (in feet)	Status
1	Groundwater	1200	Active
2	Groundwater	1075	Active
3	Groundwater	340	Active
4	Groundwater	350	Active
5	Groundwater	1000	Active
6	Groundwater	1415	Active

Source ID	Source	Depth (in feet)	Status
7	Groundwater	1344	Active
8	Groundwater	180	Active
9	Groundwater	1400	Active
10	Groundwater	182	Active
11	Groundwater	1180	Active
12	Groundwater	154	Active

To obtain a summary of the source water assessment, please contact Jane Mueller at (262) 691-0804.

Educational Information

The sources of drinking water, both tap water and bottled water, include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- Inorganic contaminants, such as salts and metals which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which shall provide the same protection for public health.

Definitions

Term	Definition
AL	Action Level: The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.
HA and HAL	HA: Health Advisory. An estimate of acceptable drinking water levels for a chemical substance based on health effects information. HAL: Health Advisory Level is a concentration of a contaminant that, if exceeded, poses a health risk and may require a water system to post a public notice. Health Advisories are determined by the U.S. Environment Protection Agency (US EPA).

Term	Definition
HI	HI: Hazard Index is used to assess the potential health impacts associated with mixtures of contaminants. Hazard Index guidance for a class or mixture of contaminants may be determined by the US EPA or Wisconsin Department of Health Services (WDHS). If a Health Index is exceeded, a system may be required to post a public notice.
Level 1 Assessment	A Level 1 assessment is a study of the water system conducted to identify potential problems and determine, if possible, why total coliform bacteria have been found in the water system.
Level 2 Assessment	A Level 2 assessment is a very detailed study of the water system conducted to identify potential problems and determine, if possible, why an E. coli MCL violation has occurred, why total coliform bacteria have been found in the water system, or both, on multiple occasions.
MCL	Maximum Contaminant Level: The highest level of contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
MCLG	Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MFL	million fibers per liter
MRDL	Maximum Residual Disinfectant Level: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary to control microbial contaminants.
MRDLG	Maximum Residual Disinfectant Level Goal: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of using disinfectants to control microbial contaminants.
mrem/year	Millirems per year (a measure of radiation absorbed by the body)
NTU	Nephelometric Turbidity Units
pCi/l	Picocuries per liter (a measure of radioactivity)
ppm	Parts per million, or milligrams per liter (mg/l)
ppb	Parts per billion, or micrograms per liter (ug/l)
ppt	Parts per trillion, or nanograms per liter
ppq	Parts per quadrillion, or picograms per liter
PHGS	Public Health Groundwater Standards are found in NR 140 Groundwater Quality. The concentration of a contaminant that, if exceeded, poses a health risk and may require a system to post a public notice.
RPHGS	Recommended Public Health Groundwater Standards. Groundwater standards proposed by the WDHS. The concentration of a contaminant that, if exceeded, poses a health risk and may require a system to post a public notice.
SMCL	Secondary drinking water standards, or Secondary Maximum Contaminant Levels (SMCLs), are established for contaminants that affect the taste, odor, or appearance of the drinking water. SMCLs do not represent health standards.
TCR	Total Coliform Rule
TT	Treatment Technique: A required process intended to reduce the level of contaminant in drinking water.

Detected Contaminants

Your water was tested for many contaminants last year. We are allowed to monitor some contaminants less frequently than once a year. The following tables list only those contaminants that were detected in your water. If a contaminant was detected last year, it will appear in the following tables without a sample date. If a contaminant was not monitored last year, but was detected within the last five years, it will appear in the tables below along with the sample date.

Disinfection Byproducts

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2025)	Violation	Typical Source of Contaminant
HAA5 (ppb)	MDBP - 2	60	60	3	3		No	By-product of drinking water chlorination
TTHM (ppb)	MDBP - 2	80	0	18.5	18.5		No	By-product of drinking water chlorination

Inorganic Contaminants

Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2025)	Violation	Typical Source of Contaminant
ARSENIC (ppb)	10	n/a	7	0-7	3/15/2023	No	Erosion of natural deposits, runoff from orchards; runoff from glass and electronics production wastes
BARIUM (ppm)	2	2	0.190	0.010-.0190	3/15/2023	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
FLUORIDE (ppm)	4	4	0.4	0.3-0.4	3/15/2023	No	Erosion of natural deposits; Water additive that promotes strong teeth; Discharge from fertilizer and aluminum factories
NICKEL (ppb)	100		5.9000	0.1000-5.9000	3/15/2023	No	Nickel occurs naturally in soils, groundwater, and surface water and is often used in electroplating, stainless steel, and alloy products

Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2025)	Violation	Typical Source of Contaminant
NITRATE (NO3-N) (ppm)	10	10	0.23	0.00 - 0.23		No	Runoff from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
NITRITE (NO2-N) (ppm)	1	1	0.042	0.000-0.042	3/15/2023	No	Runoff from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
SODIUM (ppm)	n/a	n/a	130.0	14.00-130.00	3/15/2023	No	N/A

Contaminant (units)	Action Level	MCLG	90th Percentile Level Found	Range	# of Results	Sample Date (if prior to 2025)	Violation	Typical Source of Contaminant
COPPER (ppm)	AL=1.3	1.3	0.1500	0.0200-0.1800	0 of 20 results were above the Action Level	8/1/2023	No	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
LEAD (ppb)	AL=15	0	2.60	0.00-34.00	1 of 20 results were above the Action Level	9/14/2023	No	Corrosion of household plumbing systems; erosion of natural deposits

PFAS Contaminants with a Recommended Health Advisory Level

Perfluoroalkyl and polyfluoroalkyl substances (PFAS) are a large group of human-made chemicals that have been used in industry and consumer products worldwide since the 1950s. The following table lists PFAS contaminants which were detected in your water and that have a Recommended Public Health Groundwater Standard (RPHGS) or Health Advisory Level (HAL). There are no violations for detections of contaminants that exceed the RPHGS or HAL. The RPHGS are levels at which concentrations of the contaminant present a health risk and are based on guidance provided by the Wisconsin Department of Health Services (WDHS).

Note: The recommended health-based levels in the table below were in effect in 2024. These levels were revised by WDHS in 2025. They can be found here: <https://www.dhs.wisconsin.gov/water/gws.htm>.

Contaminant (units)	RPHGS or HAL (ppt)	Level Found	Range	Sample Date (if prior to 2025)
PFBS (ppt)	450000	17.47	0.00-24.00	
PFHXS (ppt)	40	41.00	0.00-65.00	
PFOS (ppt)	20	13.45	0.00-27.00	
PFOA (ppt)	20	5.63	0.00-8.00	
PFHXA (ppt)	150000	23.40	0.00-32.00	
PFOA and PFOS Total (ppt)	20	18.10	0.00-35.00	

Radioactive Contaminants

Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2025)	Violation	Typical Source of Contaminant
GROSS ALPHA, EXCL. R & U (pCi/l)	15	0	20.0	0.0-25.8		Yes, Ongoing	Erosion of natural deposits
RADIUM (226 + 228) (pCi/l)	5	0	3.6	0.5-4.1		Yes, Ongoing	Erosion of natural deposits
GROSS ALPHA, INCL. R & U (n/a)	n/a	n/a	23.0	-2.2-29.0		No	Erosion of natural deposits
COMBINED URANIUM (ug/l)	30	0	4.5	0.3-4.7		No	Erosion of natural deposits

Unregulated Contaminants

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist the EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. The EPA required us to participate in this monitoring.

Within the last 12 months we conducted Unregulated Contaminant Monitoring in accordance with US EPA rules. We are required to inform you of this sampling. We are only required to include results showing detections in this report; however, if you would like a copy of all results, please contact our office at (262) 691-0804.

Contaminant (units)	Level Found	Range	Sample Date (if prior to 2025)
ISOPROPYLBENZENE (ppb)	0.25	0.25	5/9/2023

Health Effects for any Contaminants with MCL Violations/Action Level Exceedances/SMCL Exceedances/PHGS or HAL Exceedances

Contaminant	Health Effects
GROSS ALPHA, EXCL. R&U	Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of developing cancer.
PFHXS	Scientists are still learning about the health effects that various PFAS can have on the body. To date, studies among people have shown that high levels of certain PFAS can increase cholesterol levels, decrease antibody levels in response to vaccines, and decrease fertility in women. People can reduce their risk of health effects by reducing their exposure to PFAS.
PFOA AND PFOS TOTAL	Scientists are still learning about the health effects that various PFAS can have on the body. To date, studies among people have shown that high levels of certain PFAS can increase cholesterol levels, decrease antibody levels in response to vaccines, and decrease fertility in women. People can reduce their risk of health effects by reducing their exposure to PFAS.
PFOS	Scientists are still learning about the health effects that various PFAS can have on the body. To date, studies among people have shown that high levels of certain PFAS can increase cholesterol levels, decrease antibody levels in response to vaccines, and decrease fertility in women. People can reduce their risk of health effects by reducing their exposure to PFAS.
RADIUM (226 + 228)	Some people who drink water containing radium 226 or 228 in excess of the MCL over many years may have an increased risk of developing cancer.

Additional Health Information

While your drinking water meets the US EPA's standard for arsenic, it does contain low levels of arsenic. The US EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The US EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects, such as skin damage and circulatory problems.

Lead can cause serious health problems, especially pregnant women and young children. Lead in drinking water primarily comes from materials and components associated with service lines and home plumbing. The City of Pewaukee Water & Sewer Utility is responsible for providing high-quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home.

You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can do this by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry, or a load of dishes. You can also use a filter certified by an American National Standards Institute-accredited certifier to reduce lead in drinking water.

If you are concerned about lead in your water and wish to have your water tested, contact Jane Mueller at the City of Pewaukee Water & Sewer Utility at (262) 691-0804. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at:

<https://www.epa.gov/safewater/lead>.

Additional Information on Service Line Materials

We were required to develop an initial inventory of service lines connected to our distribution system by October 16, 2024, and to make the inventory publicly accessible. You can access the service line inventory on the City of Pewaukee website at: <https://portal.laserfiche.com/j9152/forms/pipeinventory>. (Please type your address using this example: W240N3065 PEWAUKEE RD).

Corrective Actions Taken

The City of Pewaukee will be constructing a water main loop to facilitate the abandonment of Well #5, which is contaminated with radionuclides, including Gross Alpha and Radium.

The City has recently completed a pilot treatment study for PFAS removal at Well #8. The building and treatment plant design is currently underway.

Construction of both projects is anticipated to begin in late 2026 or early 2027. Once construction begins, the water treatment plant and water main loop projects are expected to take approximately 18 months to two years to complete.

City of Pewaukee - New Agenda Item

Agenda Language:

Discussion and possible action regarding Mandatory Sewer Connections on Various Assessment Districts [Wagner/Mueller]

Sub Item Agenda Language:

Background Provided By:

Magdelene Wagner

Background:

The City has several assessment districts in which the 15-year mandatory connection to the municipal sanitary sewer system has expired, is due to expire, or will expire in the near future. There are a number of properties within these assessment districts that have not yet connected. The impacted areas include:

Rolling Ridge Subdivision
Arrowhead Trails Subdivision
Green Road
Duplainville Road
Still River/Bluemound Corridor
Valleyview
Sunnyridge

Property owners have 15 years from the date of the final resolution to connect to the municipal sanitary sewer system and abandon their existing private system. This requirement was established by the City as its policy and has been included in final resolutions since the early 2000s. All resolutions were mailed to the affected property owners at the time the assessments were levied.

If connection is not made in accordance with our ordinance, a standby charge of 150% of the quarterly sewer charge will be sent to each property owner on their quarterly utility bill. The current quarterly sewer rate is \$141. Therefore, a quarterly standby charge of \$211.50 will be added to the utility bill of any property that has not connected by the applicable deadline.

When sanitary sewer is extended into an area, the City typically installs the sewer main and a lateral to the property line. Most affected properties will be able to connect to this lateral. The Bluemound/Still River area is an exception because it was constructed as a developer-financed project and they were not required by the Common Council to install the full laterals. All properties in this area have a wye connection installed at the sewer main, but only a handful of property owners opted for the optional lateral to be installed at the time of the sewer installation. Most properties in this area will need to install the

entire lateral from the building to the sewer main.

It should be noted that properties along Bluemound Road (CTH JJ) will be required to obtain a permit from Waukesha County because work will occur within the County right-of-way to make the sewer connection. All remaining properties will be required to obtain the City's right-of-way permit.

The property owners will need to pay a private plumber to connect the system, abandon their existing private system, obtain any required permits, and pay reserve capacity assessments (RCA) and/or interceptor capacity assessments (ICA). Costs will vary depending on the area in which they are located and each individual connection scenario. Many of the special assessments should be paid in full at the 15-year mandatory connection time.

Staff would like to send notices to the affected property owners and provide one year from the date of the notice to connect, which will exceed the deadline to connect for a few of the assessment districts. We understand that many of these residents will have likely forgotten, or are not the original owners of the property, and desire to give them some time to make these connections and plan for the expenses. After one year from this notice, the standby charge would be enacted for each property.

Fiscal Impact:

RCA = \$3,767

Waukesha Connection = varies by property size

Bluemound ICA = \$888.08

Green Road ICA - \$7,234

City ROW permit = \$75 plus \$1,000 1 yr. deposit, \$10,000 deposit if in pavement

County Permit = \$410, estimated

Plumbing Permits = \$140, estimated

Plumbing Costs = varies for each property

Recommended Motion:

Council allow affected residents one year to connect from the date of the City's reminder notice to the residents, or the date of the resolution, whichever is later, and if connection is not made by the deadline, to enact the 150% quarterly sewer charge.

City of Pewaukee - New Agenda Item

Agenda Language:

Discussion and possible action regarding Well #8 PFAS Pilot Study [Mueller/Kincaid]

Sub Item Agenda Language:

Background Provided By:

Jane E. Mueller

Background:

Early in our evaluation of PFAS treatment systems, one of the considerations was how the treatment system would affect the look of the Well #8 building. While working with our consulting engineers, we learned that anion exchange resin (AIX) treatment plants have a smaller footprint than the other common treatment of Granular Activated Carbon (GAC) systems. With some internal building modifications, we would be able to excavate the floor of the existing garage, creating a recessed space for the pretreatment and PFAS treatment vessels, while keeping the same east-facing view of the structure.

Therefore, in early 2025, the Utility requested proposals from three companies/consultants that provide PFAS treatment system to supply pilot treatment plants so the Utility could determine the most appropriate treatment system for PFAS removal at Well #8. From May 2025 through May 2026, the Utility staff operated a PFAS removal pilot system using Lanxess TP108 media anion exchange resin (AIX) in the small-scale treatment plant.

The variables evaluated included: 1) media life, 2) pretreatment requirements, 3) backwash frequency, and 4) treatment effectiveness.

Well #8 has naturally occurring high levels of iron. One treatment vessel operated using only a bag filter for pretreatment for iron, while another vessel operated with an OxiPlus filtration system. Over time, the AIX media became fouled with iron despite the use of OxiPlus media for pretreatment. In October 2025, an additional column utilizing SandPlus iron-removal media was added. Initially, the SandPlus column was operated with an additional oxidant. However, in February 2026, aeration was added at the head end of the SandPlus system to allow for greater iron removal.

Summary

Considering all the variables evaluated, AIX treatment using Lanxess TP108 media is recommended for the full-scale PFAS treatment system at Well #8, as the media performed effectively in removing PFAS compounds. SandPlus pretreatment with inline pressure aeration was determined to be the most applicable pretreatment process because it effectively reduced iron concentrations without the use of additional

chemicals.

Fiscal Impact:

Estimated \$2,000,000

Recommended Motion:

The Council approve moving forward with the recommendation from the PFAS Pilot Test Report.



May 13, 2026

Jane Mueller, Utility Manager
City of Pewaukee Water and Sewer
jem@pewaukee.wi.us

Subject: PFAS Pilot Test Report for the City of Pewaukee

Dear Ms. Mueller,

WaterSurplus would like to thank you for the opportunity to provide PFAS pilot testing for the City of Pewaukee. The pilot report discusses:

- Pilot setup for pilot testing
- Results achieved including PFAS removal, operating pressures, and SDI testing
- Discussion of how these results may impact the full-scale system
- Pretreatment recommendations to minimize fouling of the PFAS media
- Recommendations for the full-scale treatment system

Please contact us if you have additional questions regarding the pilot test and results to date.

Respectfully submitted,

Bryan Kumfer

BRYAN KUMFER
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Magdelene Wagner – City of Pewaukee
Seth Brown – City of Pewaukee
Dan Dimoff- City of Pewaukee
Brooke Larson – Strand Associates, Inc.
Ben Wood – Strand Associates, Inc.



PFAS Pilot Test Report

City of Pewaukee

Project: 50052086

Date of Issue: 13May2026

Written By: Bryan Kumfer

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1. SUMMARY

A pilot study was performed at Well 8 for the City of Pewaukee. This study was designed to confirm Lanxess TP108 AIX media is suitable for PFAS removal at this location and verify state and EPA regulatory PFAS limits are met.

The duration of the pilot was 361 days. In the process of the pilot, multiple variables were evaluated to determine the best full scale system configuration. This included:

- Media life
- Pretreatment requirements
- Backwash frequency
- Treatment effectiveness

Based on these variables, AIX treatment using Lanxess TP108 media is recommended for use for the full-scale system at Well 8 for removal of PFAS. Table 1 provides the average raw water and treated PFAS concentrations. Two different technologies were evaluated for iron removal pretreatment which included OxiPlus⁷⁵™ and SandPlus™ media. It was determined that SandPlus™ with inline pressure aeration was the most applicable pretreatment process as it effectively reduce the iron and no additional chemicals were required in this process. This will minimize the backwashing frequency required for the AIX columns.

Table 1. Average PFAS Concentrations

Compound	Units	Regulatory Limit	Untreated Well Water	TP108 Effluent with SandPlus Pretreatment
PFOA	ng/L	4	4.9	Non-Detect
PFOS	ng/L	4	4.1	Non-Detect
HFPO-DA (Gen X)	ng/L	10	<0.94	Non-Detect
PFHxS	ng/L	10	35	Non-Detect
PFNA	ng/L	10	<0.52	Non-Detect
PFBS	ng/L	---	14	Non-Detect
Hazard index	---	1	3.6	0

2. BACKGROUND

Well water from the City of Pewaukee Well 8 was used for the pilot test for PFAS removal. The well water contains concentrations of PFOA, PFOS and PFHxS that are above the EPA regulatory limits. The well is located at W249N2173 Fox Creek Court, Pewaukee, Wisconsin. The well currently has a flowrate of 400 gpm but may increase to 500 gpm after rehabilitation. The existing wellhouse is designed to blend in with the neighborhood and looks very similar to a house. The new equipment will need to fit inside the existing garage space.



Figure 1. Well House

Previous sizing estimates indicated that anion exchange resin (AIX) is the preferred media due to the higher flowrate and smaller footprint compared to GAC. The Lanxess TP108 media was selected because previous studies have shown that it is successful in removing PFAS and has a longer treatment life than comparable medias. This media is NSF-61 certified for use in drinking water applications. Lanxess TP 108DW AIX resin is a 20x50 mesh, gel type polystyrene based strong base anion exchange resin. This is a one-time use absorption resin and no regeneration is performed. This media has modified functional groups to facilitate a very selective uptake of per- and polyfluoroalkyl substances (PFAS).

The well water does contain 0.5 mg/L of iron so iron pretreatment may be necessary to minimize fouling and/or backwashing requirements for the AIX PFAS treatment system. The pilot testing was designed to further evaluate if iron pretreatment was necessary.

3. OBJECTIVES

The test objectives of the pilot test are:

- Confirm the PFAS loading capacity of the media.
- Confirm the effluent PFAS concentrations are below state and EPA regulations, preferably reduced to non-detectable concentrations.
- Evaluate if any fouling or plugging of the media occurs and determine if backwashing is sufficient for continued operation of the media (if needed).
- Evaluate the prefiltration requirements for successful operation of the media and estimate the filter backwash frequency for a full-scale system.

4. PILOT DESCRIPTION AND PROCEDURES

The pilot system was set up to test PFAS treatment both with and without pretreatment for iron. At the start of the pilot, pretreatment for iron reduction was performed using OxiPlus⁷⁵ media. The PFAS treatment that utilizes the OxiPlus⁷⁵ filter system stored pretreated water after iron removal for near continuous flow of the PFAS column. The PFAS treatment column without pretreatment will only operate when the well is running (expected 6-12 hours per day). During the pilot test, an additional iron pretreatment technology was also tested which consisted of SandPlus with pressure aeration. A PFD of the pilot system is provided in the appendix.

A single connection to the well system (Figure 2) was used to supply all water for the pilot system. The raw water supply connection was before any chemical injection at the well site.



Figure 2. Pilot Feed Connection

This was used as the source water for a booster feed pump (Figure 3) that was energized only when the well was running. A backflow preventer was installed at the outlet of the pump. After the backflow preventer, the source water was split into two different streams. One raw water stream was connected directly to the PFAS treatment system (Column 2) and did not have any pretreatment for iron removal.

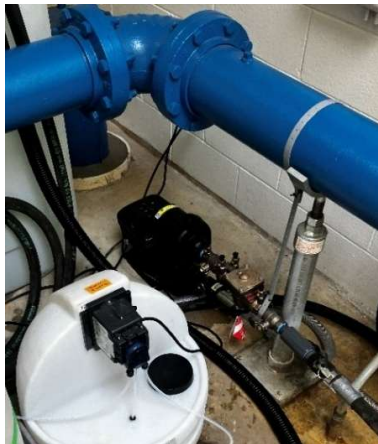


Figure 3. Feed pump with backflow preventer

Due to the iron concentrations in the well water, the other raw water stream was treated for iron removal using an OxiPlus⁷⁵ media filtration pilot. This pretreatment system only operated when the well was running. The OxiPlus⁷⁵ pilot system was operated at a flow rate of 4.2 gpm representing a load rate of 7.86 gpm/ft². The OxiPlus⁷⁵ pilot inlet was attached to the supply pump via a flexible hose. This connection supplied both the raw water and the backwash water. A chemical feed tank on the pilot skid supplied sodium hypochlorite to the feed water. The mix flowed through a static mixer prior to the filter. The pilot unit has an automated controller to control whether the unit is in service mode or backwash mode. In service mode, water enters at the top of the filter column and flows down through the filter bed (36" depth of OxiPlus⁷⁵ filter media atop a support bed of gravel). There is a basket strainer at the bottom of the tank where the treated water collects and then flows up the center tube and out. During backwash mode, the flow is reversed. The backwash flowrate is 13.5 gpm for 5 minutes. The backwash piping and finished water piping each have separate globe valves and gate valves for flow adjustment and isolation. An automated backwash was performed after 6,000 gallons of water were treated. A flow meter is present on the inlet piping to verify flow rates. Filtered water was sent to the storage tank via a flexible hose. Any additional water produced that was not used by the PFAS filtration system was sent to the drain using a designated overflow port on the tank. The backwash water was sent to the onsite drain. A pump was connected to the tank and used to supply the pretreated feed water for the PFAS system.

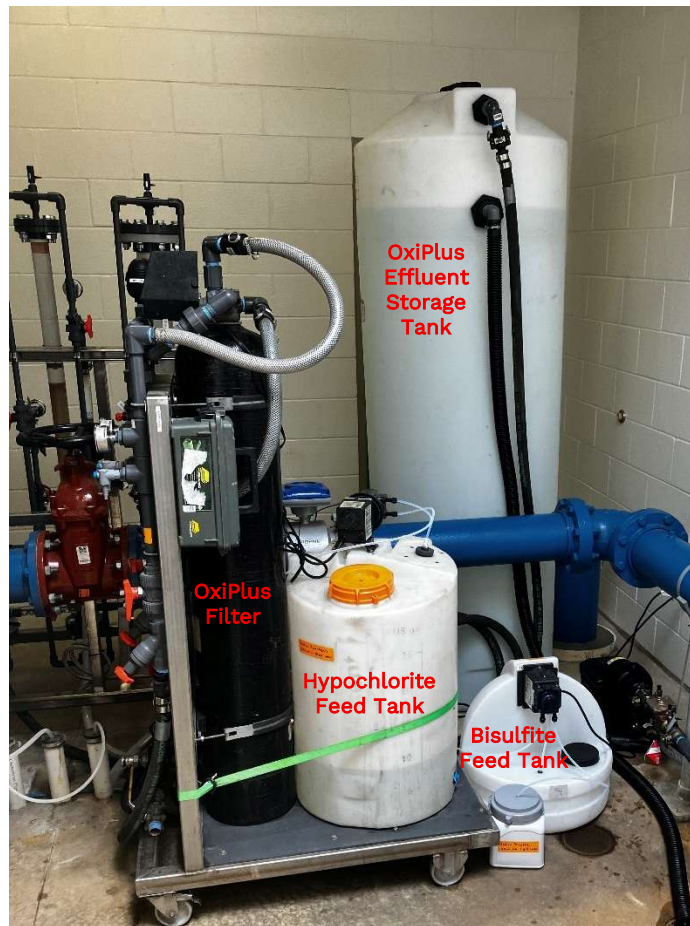


Figure 4. OxiPlus Pilot System

A picture of the PFAS pilot system is presented in Figure 5 below. The pilot has the ability to allow different sources of water to be used with the same pilot system (column 4 used OxiPlus pretreated water, column 2 used raw water). The connection from the supply source to the PFAS pilot system was made using 1” hose with cam lock fittings. This connection supplied both the raw water and the backwash water.



Figure 5. PFAS Pilot System

This system has four columns available to test different media, but only two of the columns were initially used during this pilot test. This system includes a filter housing with a 10-micron bag filter and pressure regulator which was used with only the raw water source for column 2. The OxiPlus pretreated water was piped directly to the column 4 inlet. Sodium bisulfite was added to the OxiPlus pretreated water to remove residual hypochlorite. Each column can be individually backwashed even when the other columns are in normal operation. For each column, there are sample taps before and after each column. The effluent from the columns is piped into a manifold and the treated water was sent to the onsite drain.

In service mode, water enters at the top of the filter column and flows down through the filter bed (36” depth of Lanxess TP108 AIX media on top of a 5” support bed of anthracite). There is a screen at the bottom of the column where the treated water collects, and then flows out of the bottom to the effluent discharge line. During backwash mode, the flow is reversed using two 3-way valves. The backwash piping and finished water piping use the same diaphragm flow adjustment valve. The backwash is a manual process and was only performed if the differential pressure between the inlet and outlet of the column exceeded 10 psi differential. A flow meter is present on the inlet piping to verify flow rate to each column. A totalizer is also installed to verify the total gallons of water treated for each column. Filtered water and backwash water are piped together and are discharged

to the onsite drain. The flowrates of the pilot were determined based on the anticipated flowrate and design of the full-scale system. Refer to Table 2.

Table 2. Initial Pilot System Design

PFAS Pilot System					
	Full Scale	Column 1	Column 2	Column 3	Column 4
Media	Lanxess TP108 DW	<i>empty</i>	Lanxess TP108 DW	<i>empty</i>	Lanxess TP108 DW
Type	AIX		AIX		AIX
Pre-Treatment	TBD		none		OxiPlus ⁷⁵
EBCT	2.35		2.35 min		2.35 min
Column Diameter	60" (two lead/lag systems)		2"		2"
Media Depth	36"		36"		36"
Flowrate	500 gpm		0.21 gpm		0.21 gpm

During testing, an additional filtration column followed by a PFAS column was added on Oct 9, 2025 (day 159). The media that was being tested was SandPlus. SandPlus is a NSF61 certified, high flow filter medium that can filter to smaller particle sizes compared to many other filter media. Previous experience with other PFAS pilots has shown this to be effective to minimize solids building up on the AIX column. The two empty columns in the PFAS skid were used for this. Column 1 was loaded to a 36" media depth with SandPlus media. Raw water (taken before the bag filter) was used for this testing. The column containing the SandPlus media was operated in a similar manner as the PFAS columns. The water entered the top of the column and flowed through the media and the flowrate was controlled by the diaphragm valve on the outlet. A tee and valve were installed at the outlet sample valve, and a portion of the treated water was sent to column 3 using a flexible hose. This was used for additional PFAS treatment using AIX resin. Any SandPlus treated water not used by AIX column 3 was sent to drain.

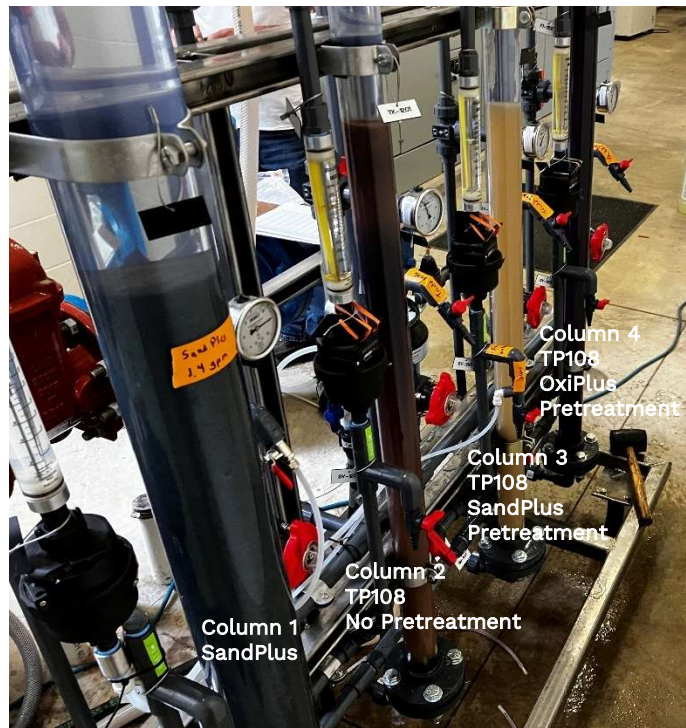


Figure 6. PFAS System with SandPlus and additional TP108 Media Column

After initial loading of the SandPlus media, the column was backwashed for 30 minutes for the initial backwash. The SandPlus was only backwashed if the differential pressure reached 10 psi differential or there was significant iron in the filter effluent. When needed, the SandPlus was backwashed at 1.4 gpm (16 gpm/ft²) for 8 minutes. During any backwash, the flow to the PFAS column (column 3) is stopped to avoid excess solids being sent to this column.

Table 3. Pilot System Design (SandPlus included)

	Column 1	Column 2	Column 3	Column 4
Media	SandPlus	Lanxess TP108 DW	Lanxess TP108 DW	Lanxess TP108 DW
Type	Filter media	AIX	AIX	AIX
Pre-Treatment	N/A	none	SandPlus	OxiPlus ⁷⁵
EBCT	---	2.35 min	2.35 min	2.35 min
Surface Loading Rate	16 gpm/ft ²	9.6 gpm/ft ²	9.6 gpm/ft ²	9.6 gpm/ft ²
Column Diameter	4"	2"	2"	2"
Media Depth	36"	36"	36"	36"
Flowrate	1.4 gpm	0.21 gpm	0.21 gpm	0.21 gpm

Initially, the SandPlus column was operated without an additional oxidant being added. Additional testing was performed with aeration before the SandPlus column to confirm if this would improve the pretreatment process. This was added on Feb 2, 2026 (day 280 of operation). Compressed air was added to the inlet water using a compressor and an

aeration stone. A solenoid was included that only allowed air to be added when the well was running and providing water to the SandPlus column.

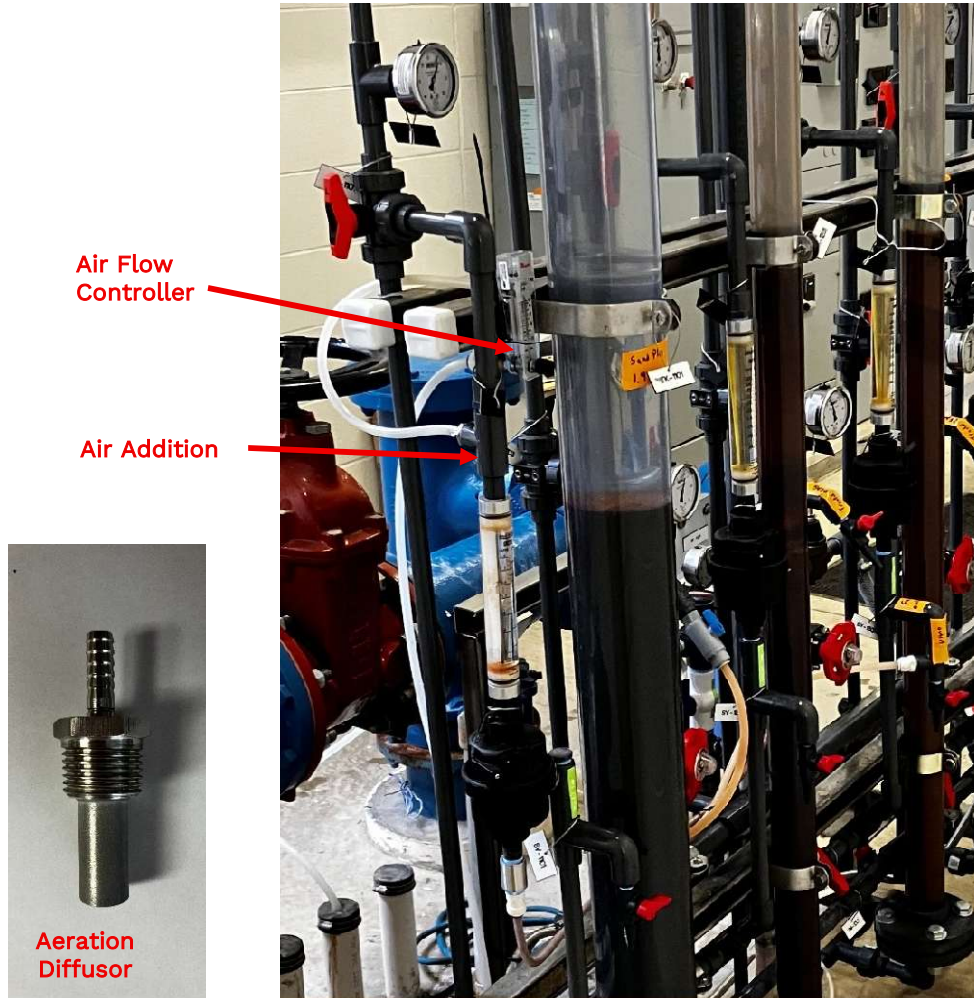


Figure 7. SandPlus Aeration System

5. RESULTS AND DISCUSSION

5.1. PFAS – Well Water

The concentration of PFAS did vary throughout the testing phase but were within the expected concentrations. PFOA, PFOS, PFHxS and the hazard index were all above the EPA regulatory limits. Both Gen X and PFNA were below detection in the untreated water during the duration of the pilot and the concentration of PFBS was low and was only a minor contributor to the hazard index.

Table 4. Well Water PFAS Concentrations

Compound	Units	Regulatory Limit	Inlet Concentration		
			Average	Max	Min
PFOA	ng/L	4	4.9	7.6	2.9
PFOS	ng/L	4	4.1	6.6	2.2
HFPO-DA (Gen X)	ng/L	10	<0.94	---	---
PFHxS	ng/L	10	35	64	13
PFNA	ng/L	10	<0.52	---	---
PFBS	ng/L	---	14	27	5
Hazard index	---	1	3.6	1.3	6.4

5.2. PFAS Removal

For all columns, the PFAS has been reduced to non-detectable concentrations as expected. (Note: Samples for June were not included as there was an error in sampling). EPA method 537.1 was used for PFAS analysis. The complete PFAS analysis results are provided in the appendix.

Table 5. Inlet PFAS Concentrations

		Inlet - Raw Water							
Sample Date	---	10-Jul-2025	12-Aug-2025	24-Sep-2025	22-Oct-2025	19-Nov-2025	11-Dec-2025	15-Jan-2026	20-Mar-2026
Volume	gal	---	---	---	---	---	---	---	---
Bed Volumes	BV	---	---	---	---	---	---	---	---
Days of Operation	days	63	96	139	167	195	217	252	316
PFOA (limit 4 ppt)	ng/L	6.20	3.50	4.20	2.90	7.60	4.30	6.60	3.70
PFOS (limit 4 ppt)	ng/L	5.00	3.10	3.40	2.20	6.60	3.40	5.30	3.80
PFHxS (limit 10 ppt)	ng/L	48	22	30	13	64	25	49	27
Hazard Index (limit 1)	---	4.8	2.2	3.0	1.3	6.4	2.5	4.9	2.7

Table 6. Column 2 – TP108 with No Pretreatment

		C2 - TP108 (No Pretreatment)							
Sample Date	---	10-Jul-2025	12-Aug-2025	24-Sep-2025	22-Oct-2025	19-Nov-2025	11-Dec-2025	15-Jan-2026	20-Mar-2026
Volume	gal	4,710	7,177	7,177	10,200	11,597	12,527	13,942	18,032
Bed Volumes	BV	9,632	14,677	14,677	20,859	23,716	25,618	28,511	36,875
Days of Operation	days	63	96	139	167	195	217	252	316
PFOA (limit 4 ppt)	ng/L	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect
PFOS (limit 4 ppt)	ng/L	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect
PFHxS (limit 10 ppt)	ng/L	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect
Hazard Index (limit 1)	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7. Column 3 – TP108 with SandPlus Pretreatment

		C3 - TP108 (SandPlus Effluent)							
Sample Date	---	10-Jul-2025	12-Aug-2025	24-Sep-2025	22-Oct-2025	19-Nov-2025	11-Dec-2025	15-Jan-2026	20-Mar-2026
Volume	gal	offline	offline	offline	179	901	1,661	2,819	6,595
Bed Volumes	BV				366	1,843	3,397	5,765	13,487
Days of Operation	days	63	96	139	167	195	217	252	316
PFOA (limit 4 ppt)	ng/L				Non Detect	Non Detect	Non Detect	Non Detect	Non Detect
PFOS (limit 4 ppt)	ng/L				Non Detect	Non Detect	Non Detect	Non Detect	Non Detect
PFHxS (limit 10 ppt)	ng/L				Non Detect	Non Detect	Non Detect	Non Detect	Non Detect
Hazard Index (limit 1)	---				0.0	0.0	0.0	0.0	0.0

Table 8. Column 4 – TP108 with OxiPlus⁷⁵ Pretreatment

		C4 - TP108 (OxiPlus Effluent)							
Sample Date	---	10-Jul-2025	12-Aug-2025	24-Sep-2025	22-Oct-2025	19-Nov-2025	11-Dec-2025	15-Jan-2026	20-Mar-2026
Volume	gal	8,448	13,326	18,483	22,840	25,290	28,919	33,065	offline
Bed Volumes	BV	17,276	27,252	37,798	46,708	51,718	59,139	67,618	
Days of Operation	days	63	96	139	167	195	217	252	316
PFOA (limit 4 ppt)	ng/L	Non Detect	Non Detect	Non Detect	0.47	0.53	Non Detect	Non Detect	
PFOS (limit 4 ppt)	ng/L	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	
PFHxS (limit 10 ppt)	ng/L	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	
Hazard Index (limit 1)	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

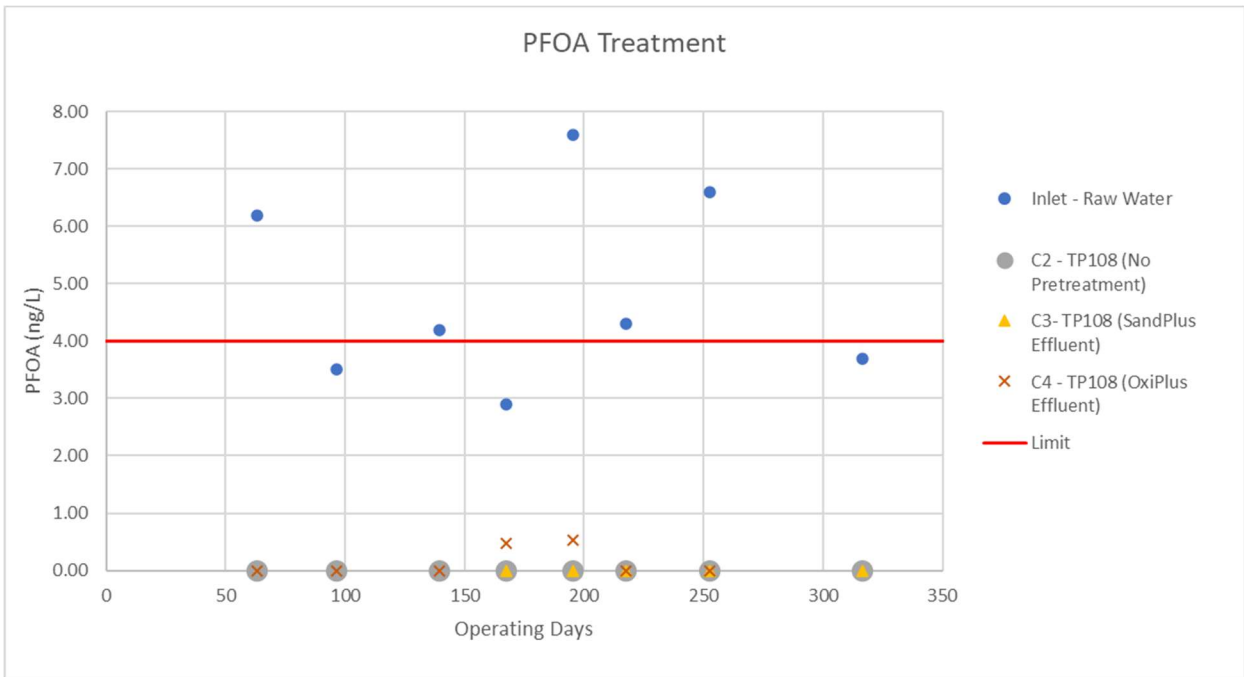


Figure 8. PFOA Concentrations from AIX Media Column Treatment

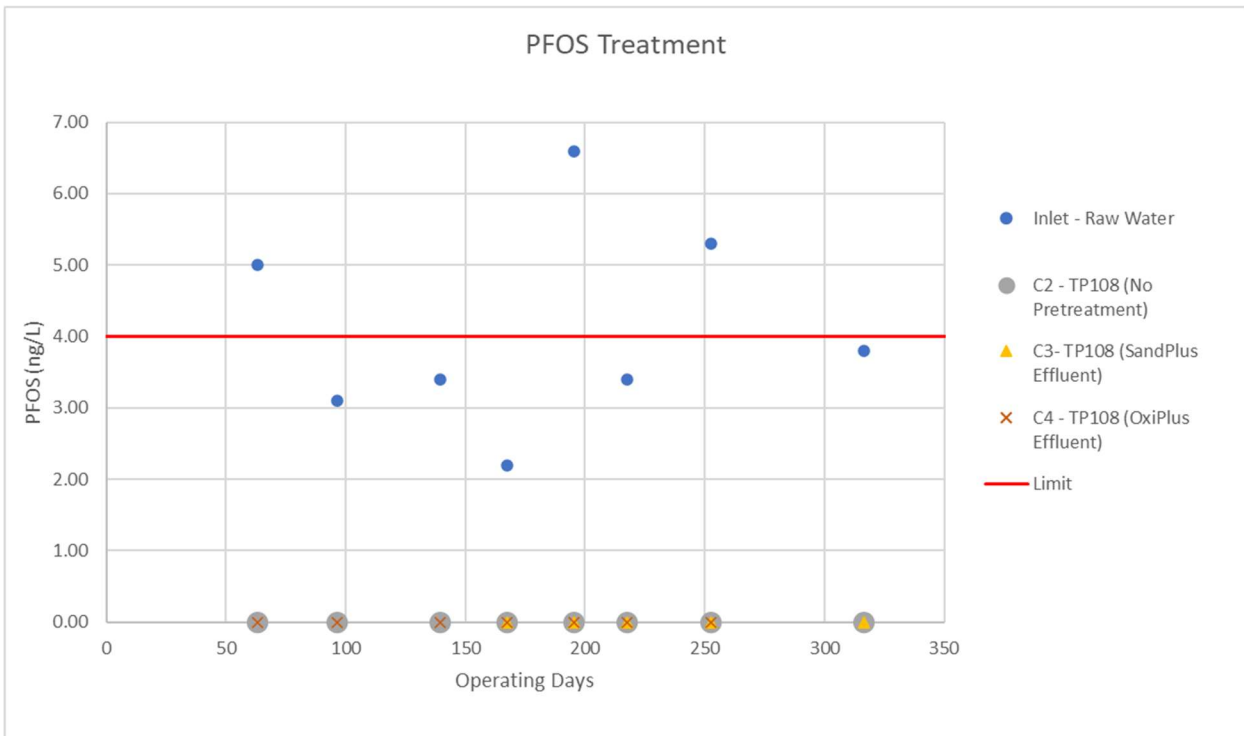


Figure 9. PFOS Concentrations from AIX Media Column Treatment

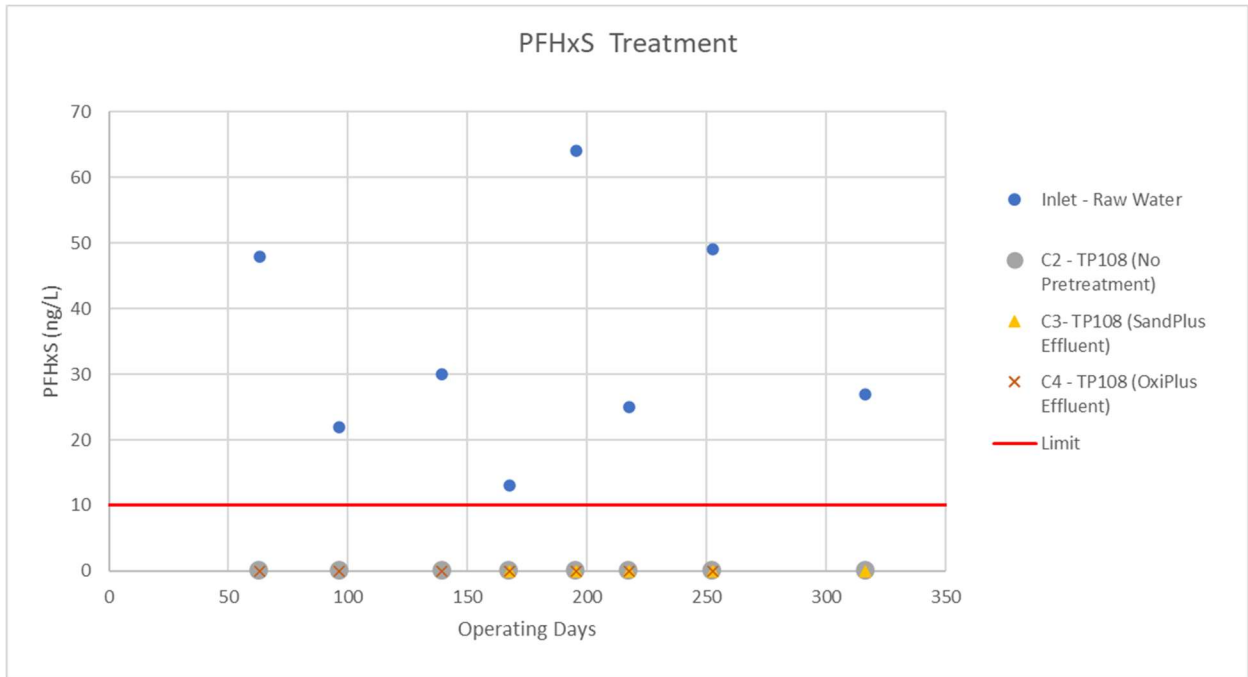


Figure 10. PFHxS Concentrations from AIX Media Column Treatment

5.3. Iron Pretreatment

The initial concern was that due to iron in the water the increase of differential pressure would require frequent backwashing of the AIX media so pretreatment for iron removal was included as part of the pilot. During the pilot test, iron concentrations were monitored throughout the pilot process as it has been previously noted that iron can cause a layer to form on PFAS media that causes an increase in pressure differential. The untreated raw waste contained an average of 0.50 mg/L. The average iron concentration after each technology in the pilot is presented in Table 9.

Table 9. Average Iron Concentrations

	Raw Water	Bag Filter Effluent	AIX Effluent (Column 2)	OxiPlus ⁷⁵ Effluent	SandPlus Effluent (No Aeration)	SandPlus w/ Aeration Effluent
Fe (Average)	0.50 mg/l	0.39 mg/L	0.16 mg/L	0.07 mg/L	0.23 mg/	0.08 mg/L

As expected, the AIX media in column 2 (only bag filter pretreatment) was removing a significant concentration of the iron in the untreated water. As presented in Figure 11 below, the concentration of iron in the effluent decreased with continued operating time. This is common with this media. The effluent from this column averaged 0.11 mg/L, indicating greater than 75% of the iron in the untreated water was being removed.

Iron Concentration

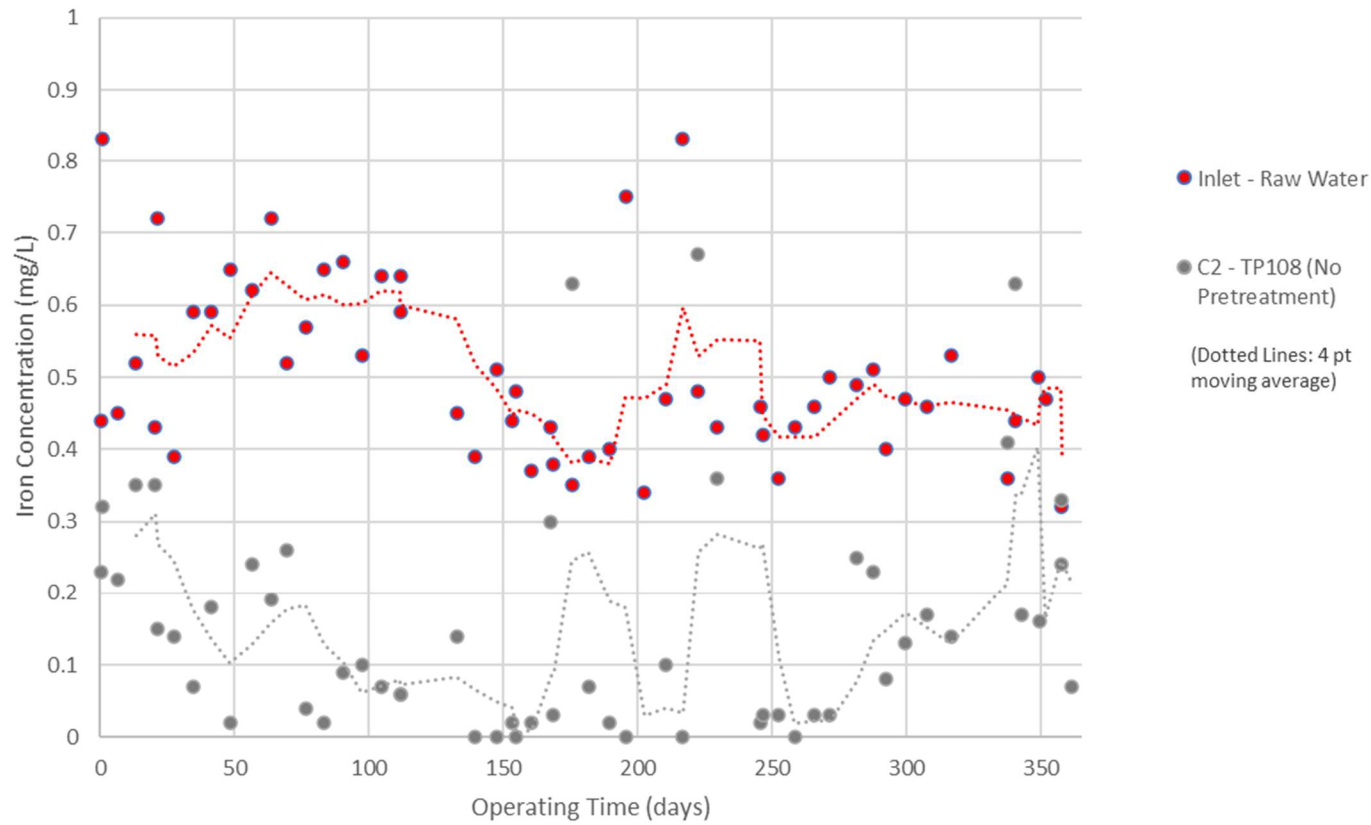


Figure 11. Iron Concentration of Raw Water and Column 2 Effluent

During discussions of the pilot performance, it was determined that the performance of the bag filter should also be evaluated as these initial iron removal concentrations for column 2 included the performance of the bag filter. Starting in Oct, the bag filter effluent (influent to column 2) was also measured. The bag filter was removing approximately 30% of the iron in the water but there was still a significant decrease in iron concentration in the effluent of column 2 indicating that the AIX media was removing a significant concentration of iron.



Figure 12. Bag filter at end of study

As presented in Figure 13 below, the OxiPlus⁷⁵ filtration system was removing iron and achieving >90% iron removal and reducing iron to low concentrations. This is typical performance for this media. The first month did have elevated iron in the effluent as the backwash was not automatic at that time. A new controller was installed on the pilot unit to perform automated backwashes every 6,500 gallons. It was noted that there was still some breakthrough of iron and the backwash frequency was reduced to 6,000 gallons and was sufficient to eliminate iron breakthrough. However, there was still solids accumulation on the media which was unexpected. (This will be further discussed in the following sections.)

An additional filtration media was added to evaluate if SandPlus can be used for enhanced pretreatment instead of OxiPlus⁷⁵. Previous experience within WaterSurplus has shown that this media is able to remove iron and can be used for pretreatment to the AIX columns. Initially, the media was used without an oxidant being added (refer to Figure 14 for results). The media was able to reduce the iron to <0.1 mg/L. However, it was not consistent with the iron reduction. Aeration was added to enhance the iron removal. This did further reduce the iron and keep the concentration below the target of 0.1 mg/L.

Iron Concentration

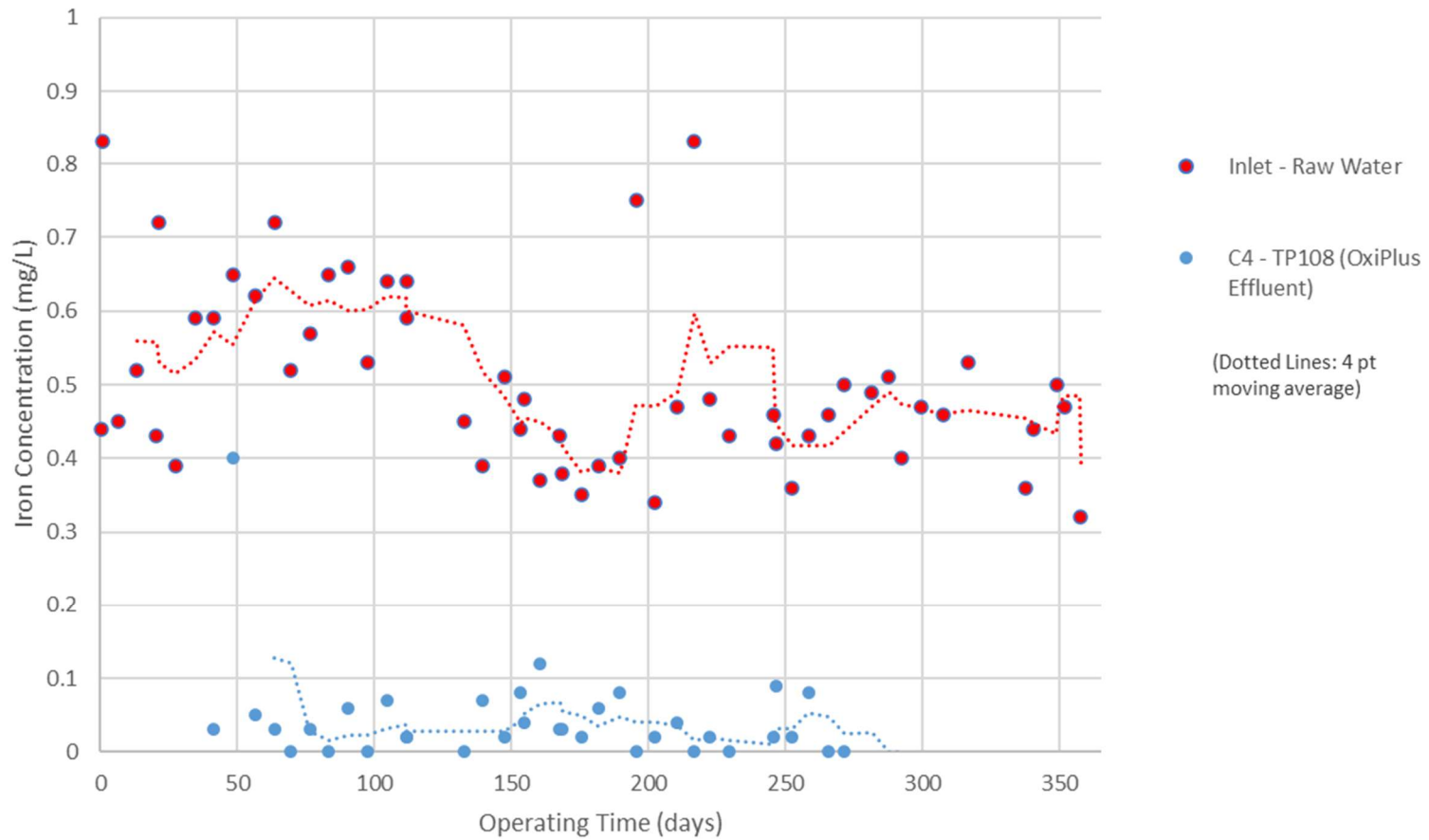


Figure 13. Iron Concentration of Raw Water and OxiPlus⁷⁵ Effluent (influent to Column 4)

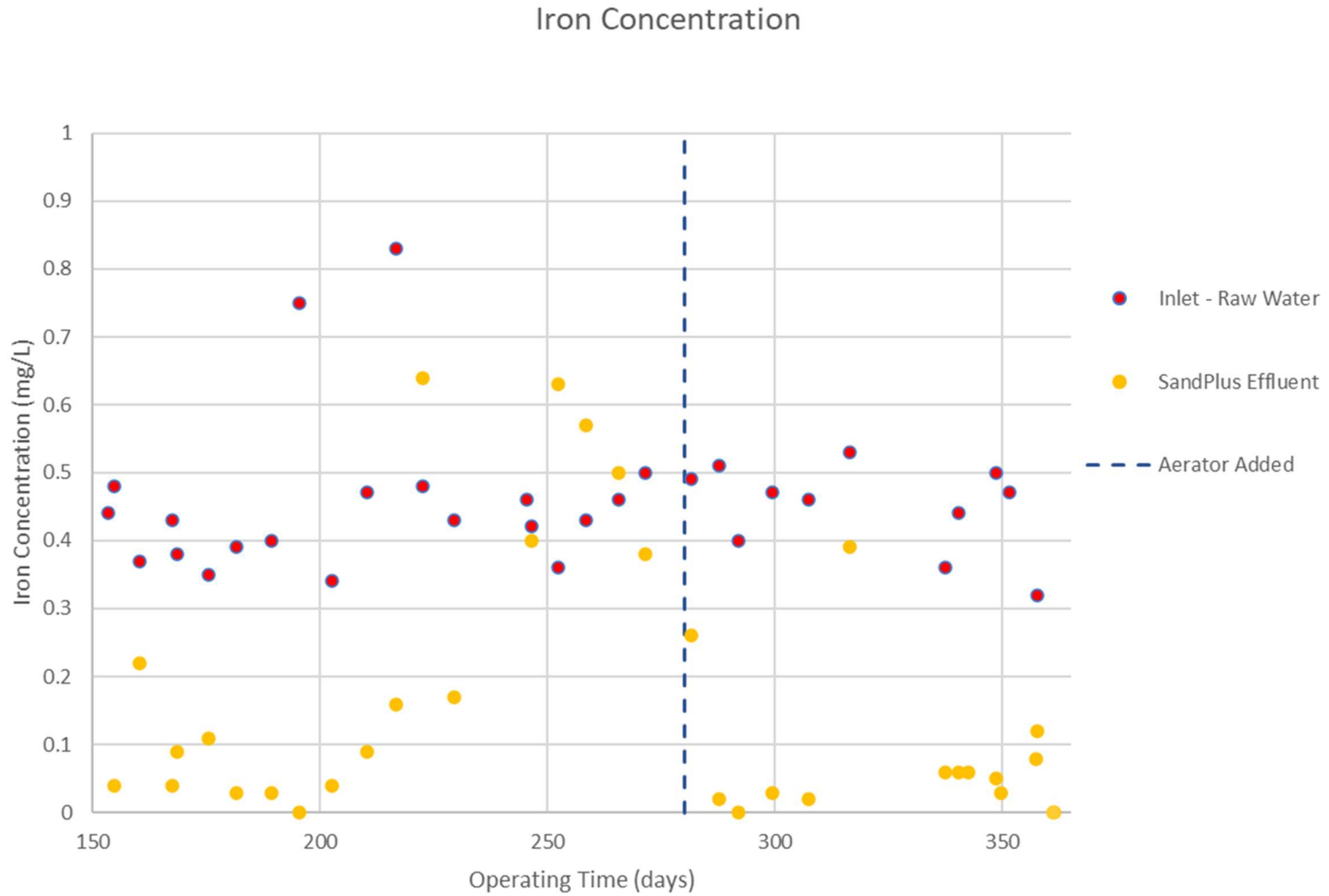


Figure 14. Iron Concentration of Raw Water and SandPlus Effluent (influent to Column 3)

5.4. Differential Pressure

Column 4 that was receiving the OxiPlus effluent required backwash more often than column 2 that had no iron pretreatment (refer to Figure 15). Both of these columns were treating the same flowrate and had 36" of TP108 media. However, column 4 had more hours of operation as the OxiPlus effluent was stored in a tank that could be used when the well was offline. For this reason, comparing backwashing frequency based on days of testing is not a representative comparison. Figure 16 provides a comparison of gallons treated vs differential pressure.

Differential Pressure

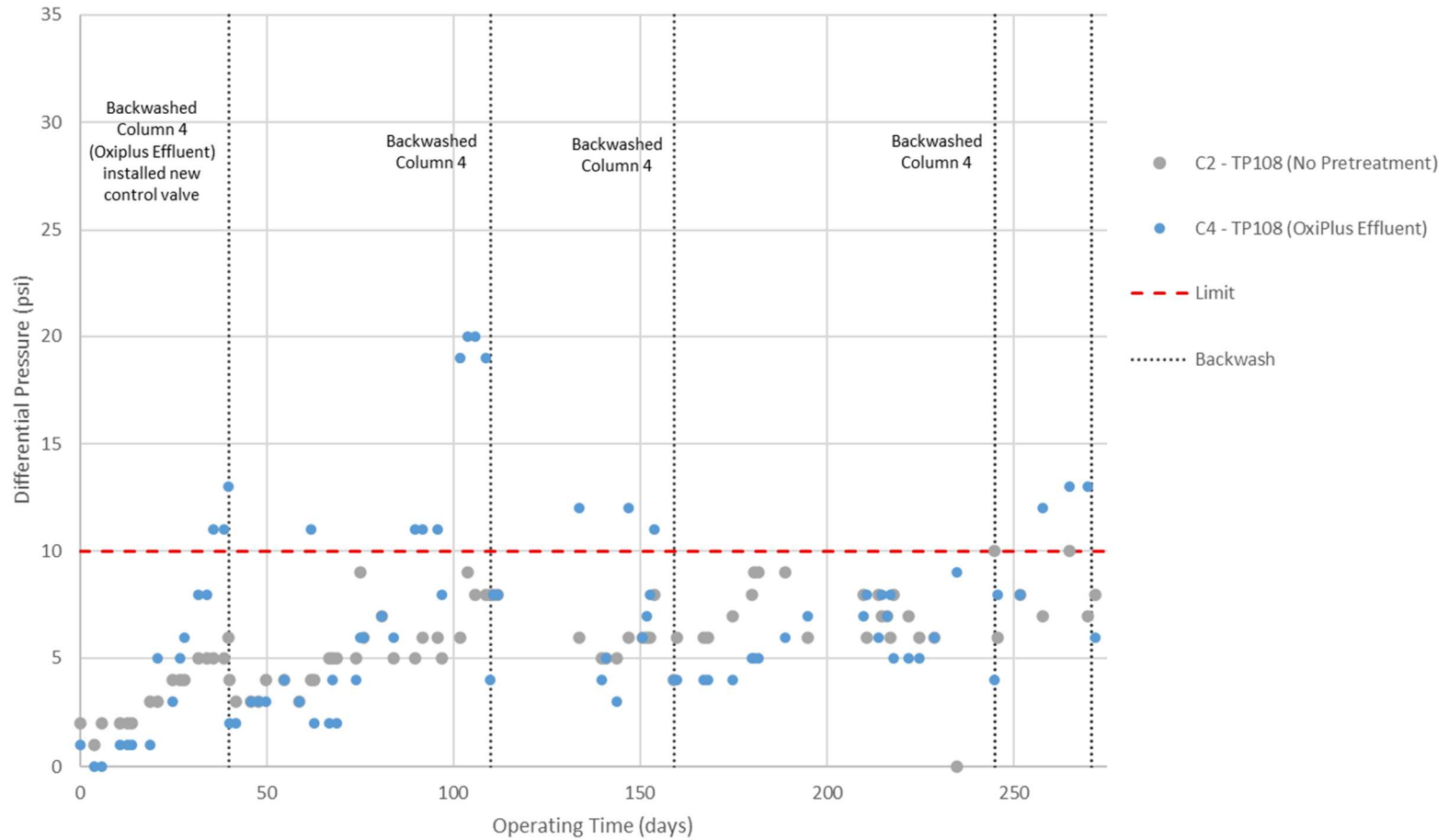


Figure 15. PFAS Columns Differential Pressure (Days of Operation)

Differential Pressure

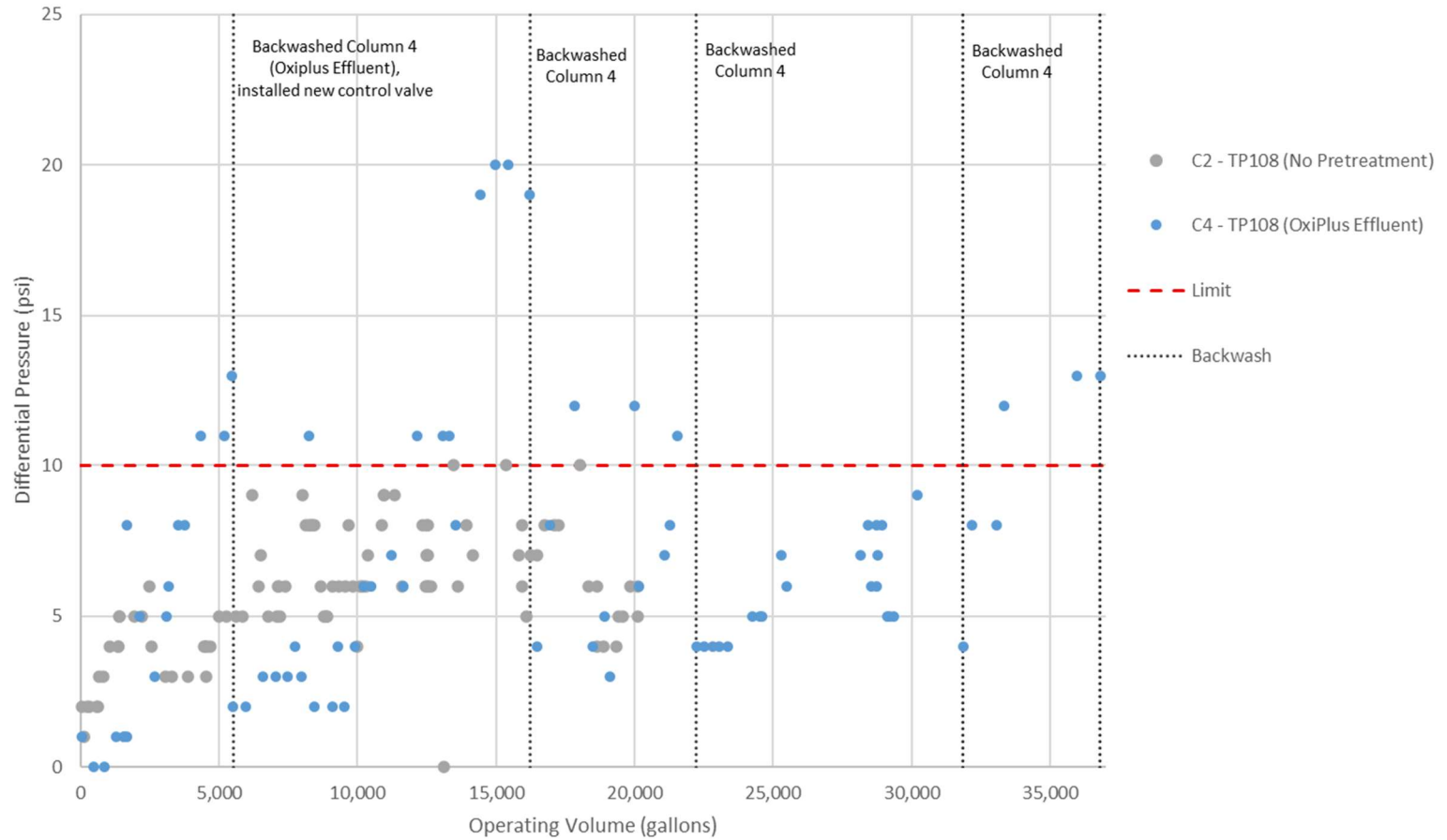


Figure 16. PFAS Columns Differential Pressure (Gallons Treated)

When comparing the increase in differential pressure when treating up to 12,000 gallons of water per column the rate of increase was similar for both columns.

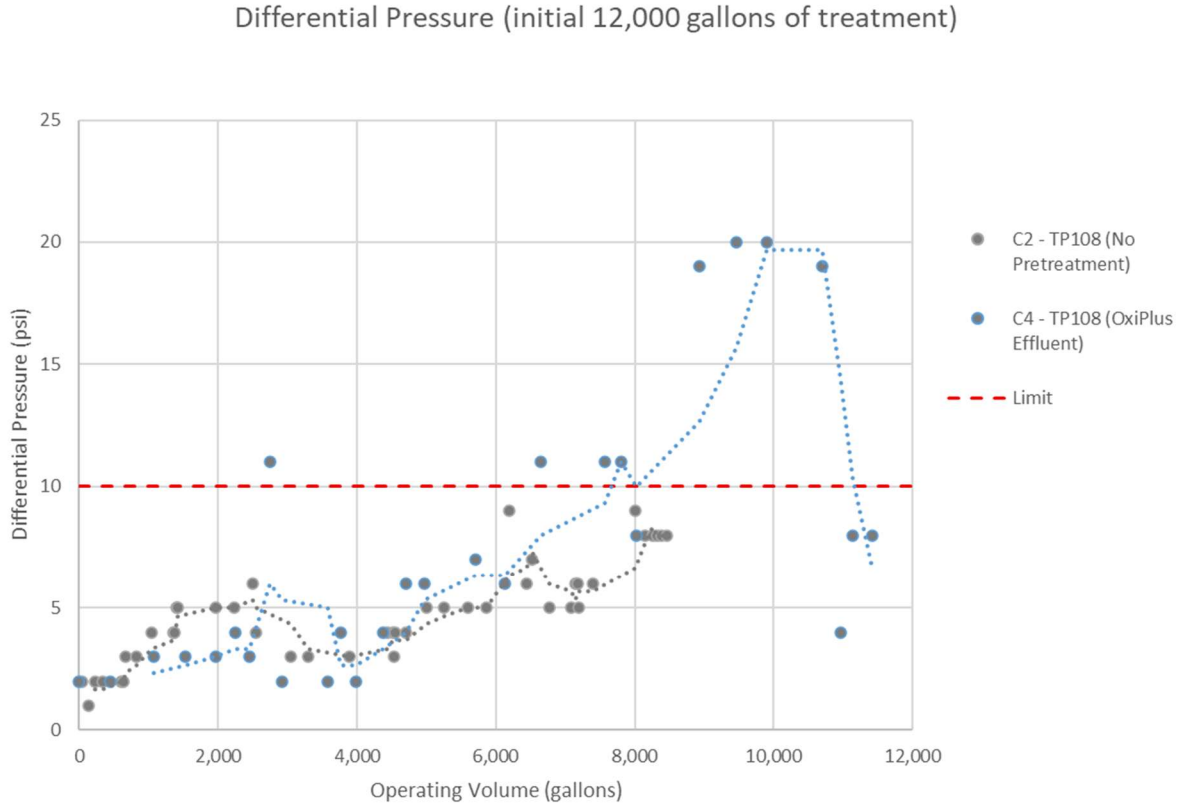


Figure 17. Comparison of DP with and without OxiPlus for initial 12,000 gallons of treatment

During backwash of column 4, there were visible solids that were loosened and backwashed from the column. Following a backwash, column 4 did return to near the initial differential pressure at startup indicating backwashing is sufficient to remove the solids buildup. However, the benefit of having OxiPlus⁷⁵ as a pretreatment to reduce backwashing of the AIX PFAS media was limited.



Figure 18. Solids during backwash

Both the no pretreatment AIX column (column 2) and the SandPlus pretreatment column (column 3) were only operated when the well was running so both columns had the same time of operation. Column 3 with the SandPlus pretreatment generally had a lower differential pressure compared to no pretreatment (refer to Figure 19). However, when aeration was added, the column with SandPlus treatment had a significantly lower differential pressure compared to the no pretreatment column. This indicates that the SandPlus with aeration was providing beneficial pretreatment for the AIX media.

Differential Pressure

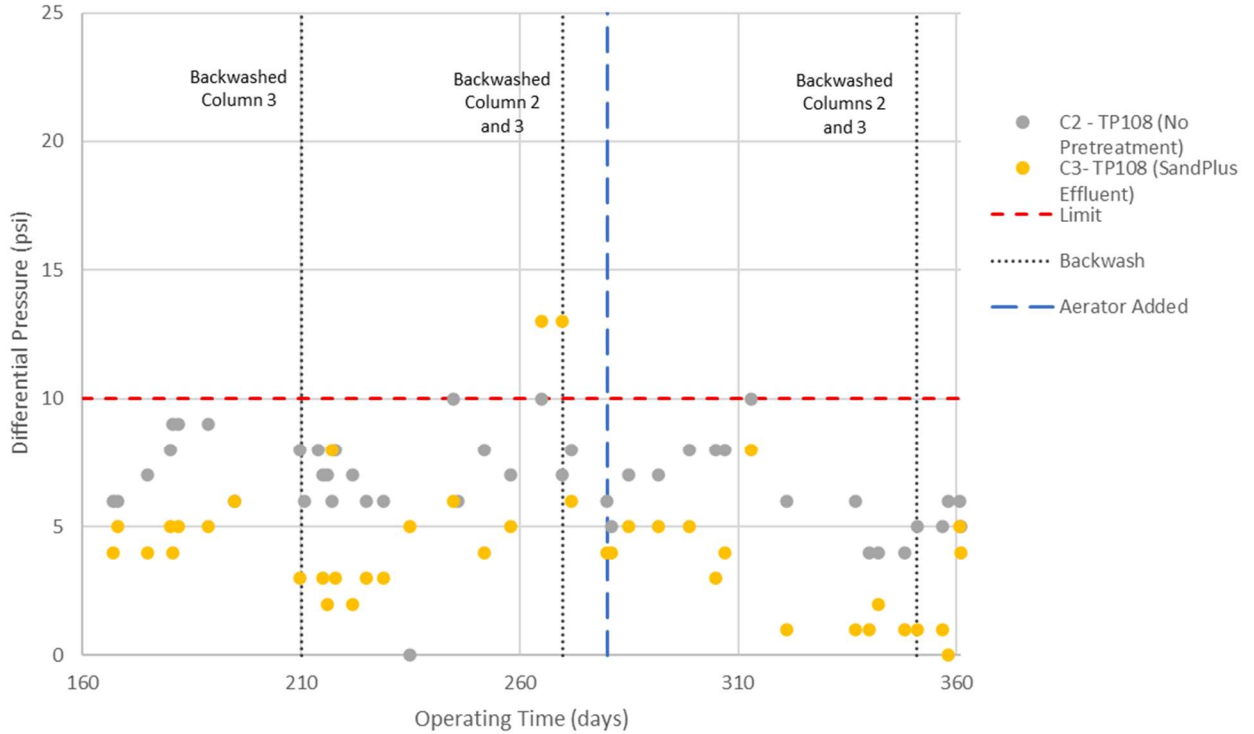


Figure 19. Comparison of DP with and without SandPlus treatment

5.5. SDI Testing

Silt density index (SDI) testing was performed during the pilot to further understand the accumulation of solids. Ideally, a 15 minute SDI of <1 is preferred. The OxiPlus effluent had a higher SDI than the untreated water even though the iron was lower concentration. This supports the hypothesis that fine particles are still present after the OxiPlus filter and are causing the pressure differential that occurs with the resin. An SDI was performed with the SandPlus media which has shown that the effluent had a lower SDI than the untreated water. This was an additional indication that it may be beneficial to reduce the backwash frequency of the AIX media.

Table 10. SDI Analysis Results

Date	Untreated Water	OxiPlus ⁷⁵ Effluent	SandPlus Effluent
5Jun2025	2.4	6.1	N/A
8Jul2025	---	5.2	N/A
9Oct2025	---	5.2	N/A
23Oct2025	1.5	2.3	0.9

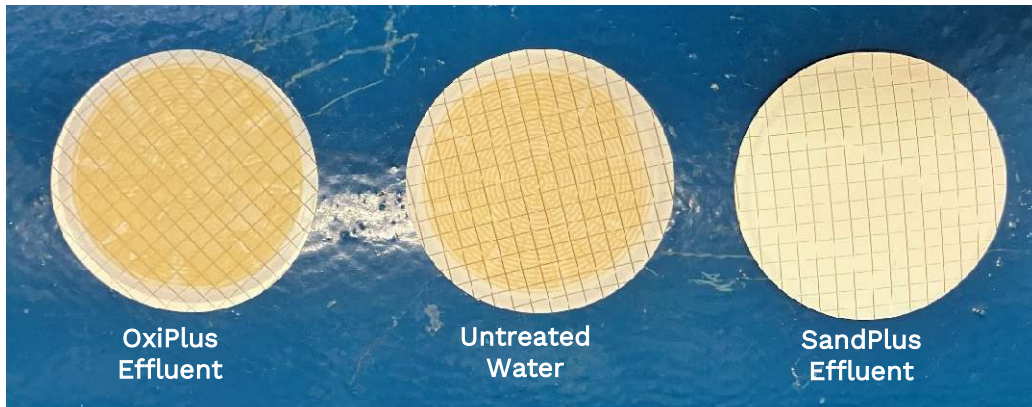


Figure 20. Filter paper from SDI testing (23Oct2025)

5.6. Additional Analytical Results

A few additional parameters were monitored during the pilot test. These included TDS, chloride and arsenic. The average results before and after the AIX columns are provided in Table 11. The TDS and chloride concentrations had very little change during the study and the concentration in the water will not have a significant impact on the removal efficiency of the PFAS compounds. There was no significant change in concentration of these components after being treated by the AIX media. While the AIX media is chloride based, the absorption of PFAS and other compounds is slow so the release of chloride from the media does not change the measurable concentration in the water.

Table 11. Average Results for Specific Water Components

Analytical Results	Units	Inlet- Raw Water	C2 - TP108 (No Pretreatment)	C3- TP108 (SandPlus Effluent)	C4 - TP108 (OxiPlus Effluent)
TDS	mg/L	854	854	840	879
Chloride	mg/L	319	314	314	323
Turbidity	NTU	<0.5	<0.5	<0.5	<0.5
Arsenic	ug/L	5.6	3.8	3.4	2.2

There was a decrease in the arsenic concentration in the treated effluent. While these treatment technologies are not specifically designed for arsenic removal in this application, it is an added benefit. As discussed above, for all columns there was a decrease in iron concentration either in the media bed (no pretreatment column) or the pretreatment media. The arsenic will bind with the iron that was being removed and is filtered out. This arsenic will be removed from the treatment system along with the iron when the media is backwashed. Similar arsenic reductions are expected in the full-scale system.

6. DISCUSSION OF FULL-SCALE SYSTEM

6.1. System Recommendation

Based on the results of pilot testing, Lanxess TP108 AIX media would meet or exceed the treatment requirements for PFAS and is recommended for the full-scale system for Well 8. Both OxiPlus⁷⁵ and SandPlus were able to significantly reduce the iron concentrations. However, the OxiPlus⁷⁵ still had a high SDI following treatment and did not significantly improve the time between backwashes of the AIX media but the SandPlus did show improvement in operation for both. Therefore, SandPlus with aeration is recommended as the pretreatment technology to reduce iron in the incoming water and minimize solids accumulating on the PFAS media. These systems are further discussed in the sections below.

6.2. System Sizing

A lead/lag configuration is recommended for this application as this allows for one vessel to be offline for maintenance, backwashing, or media replacement without having to shut down well operation. The system is designed to be able to treat up to 500 gpm.

Table 12. AIX System Design

AIX System		
	Full-Scale	Pilot
Type	AIX	AIX
Flowrate	500 gpm	0.21 gpm
EBCT (per vessel)	2.3 min	2.3 min
Vessel Diameter	60"	2"
Vessel Straight Side	72"	60"
Total Number of Vessels	4	1
Configuration	Lead/Lag	Single column
AIX Media Volume (per vessel)	79 ft ³	0.065ft ³
Anthracite Support Volume (per vessel)	12.5 ft ³	0.009ft ³

Table 13. SandPlus System Design

SandPlus System		
	Full-Scale	Pilot
Type	SandPlus	SandPlus
Flowrate	500 gpm	1.4 gpm
Hydraulic Loading Rate	13.3 gpm/ft ²	16 gpm/ft ²
Vessel Diameter	48"	4"
Vessel Straight Side	60"	60"
Total Number of Vessels	3	1
Configuration	Parallel	Single column
Media Depth	36"	36"
Aeration Rate	1.25 scfm	30 cc/min

6.3. AIX Media Life

Due to the limited availability of water from the well, breakthrough was not achieved during the pilot. The pilot treated 67,000 bed volumes in a single column with the effluent of the column still at non-detectable concentrations. Since breakthrough was not achieved, an estimate of media life was performed based on the water quality. Media life was estimated when the effluent of the lead media bed would be greater than the EPA limits (PFOA >4 ng/L, PFHxS >10 ng/L) and a media changeout in this vessel would be required. These estimates are provided in Table 14.

Table 14. Estimated Media Life of Full-Scale System

	AIX
Bed Volumes	160,000
Volume (Mgal)	190 total (95 per vessel)

6.4. Backwash Frequency

The SandPlus will require periodic backwashing due to the accumulation of iron. The AIX media will need to be backwashed when initially put into service (including media changeouts) or if an increase in differential pressure of 10 psi is obtained. The backwash water volumes are presented in Table 15.

Table 15. Backwash Volumes

	AIX System		SandPlus System
	Media Changeout	Backwash	Backwash
Backwash Flowrate	39 gpm	39 gpm	213 gpm
Loading Rate	2 gpm/ft ²	2 gpm/ft ²	17 gpm/ft ²
Duration	20 min	20-40 min	8 min
Total Number of Vessels	2	2	3
Volume Used per Vessel	780 gal	780-1,560 gal	1,705 gal
Total Volume	1,560 gal ⁽¹⁾	1,560-3,120 gal	5,115 gal

(1) For initial system startup, this volume will be double for the AIX system

It is generally recommended to have a backwash collection tank with sufficient volume to hold two backwash cycles. This would be 10,200 gallons which would accommodate backwashing for both SandPlus and the AIX system as these would not be backwashed at the same time.

It is expected that the full-scale AIX resin system would require a backwash only when the differential pressure is greater than 10 psi. Based on pilot testing, this may occur every 3-6 months. The full-scale SandPlus system is expected to require a backwash every 30 hours of operation or if the differential pressure exceeds 10 psi.

7. RECOMMENDATIONS

Based on pilot test results, these are the recommendations for the full-scale system:

- PFAS System
 - A dual 60” lead/lag vessel system (4 vessels) with Lanxess TP108 AIX media is recommended for the removal of PFAS which will meet state and EPA regulations for PFAS concentrations in drinking water.
 - Breakthrough of the PFAS compounds was not achieved during the pilot, but an estimate was based on other similar studies estimated that the full-scale system can treat 190 Mgal before a media changeout is needed.
 - The PFAS vessels will only require a backwash if the pressure differential exceeds 10 psi. It is estimated that this may occur with 3-6 months of operation. Backwashing was successful to reduce the differential pressure.

- SandPlus System
 - A triplex 48” SandPlus filtration system with pressure aeration is recommended to minimize iron buildup in the AIX system.
 - The SandPlus system will require a backwash every 30 hours of operation or if the differential pressure exceeds 10 psi.

8. APPENDIX

Pilot PFD
PFAS Analytical Results
Onsite Analysis Results
Pilot Readings
SandPlus Data Sheet
Lanxess TP108 Data Sheet

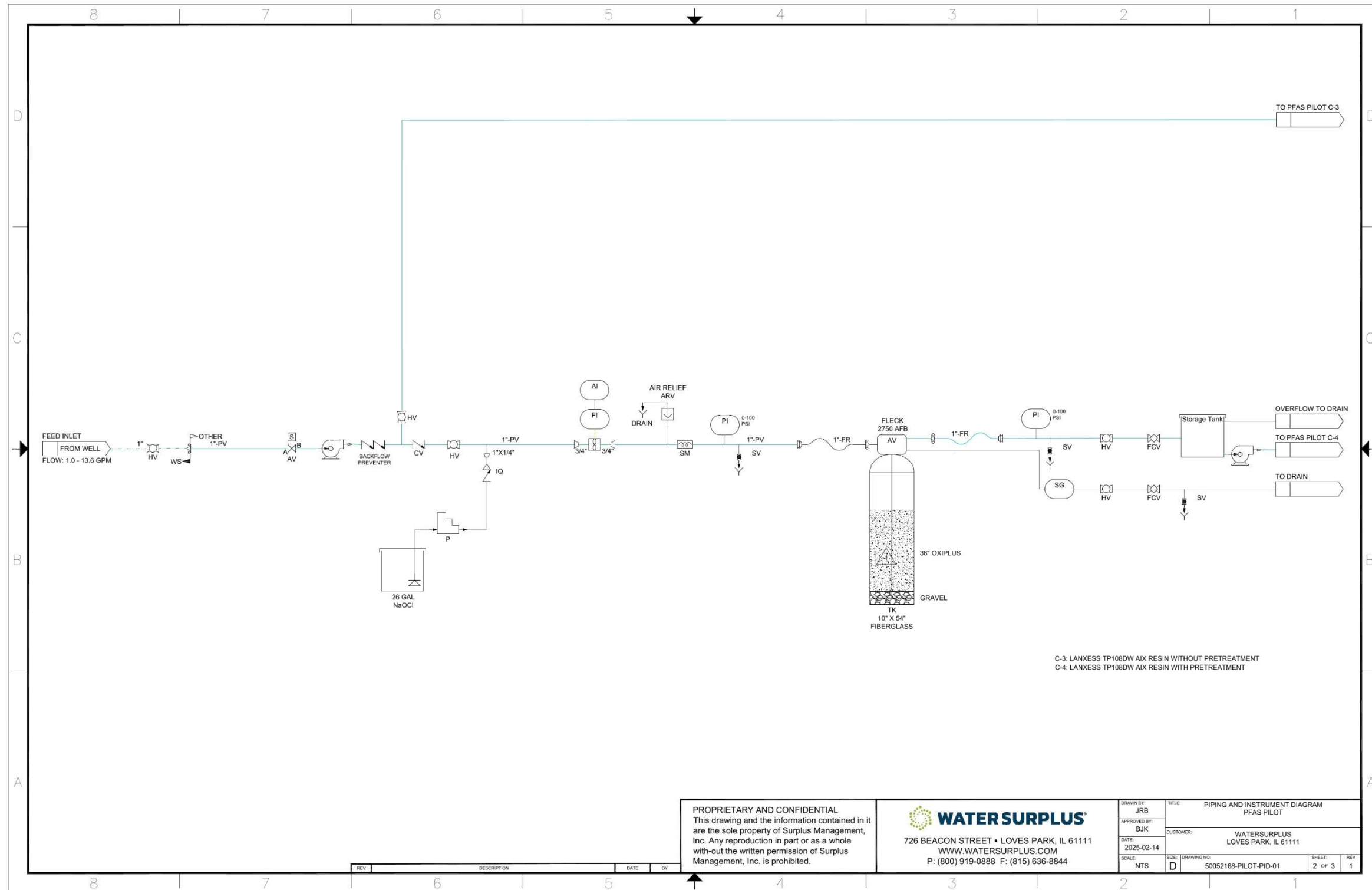
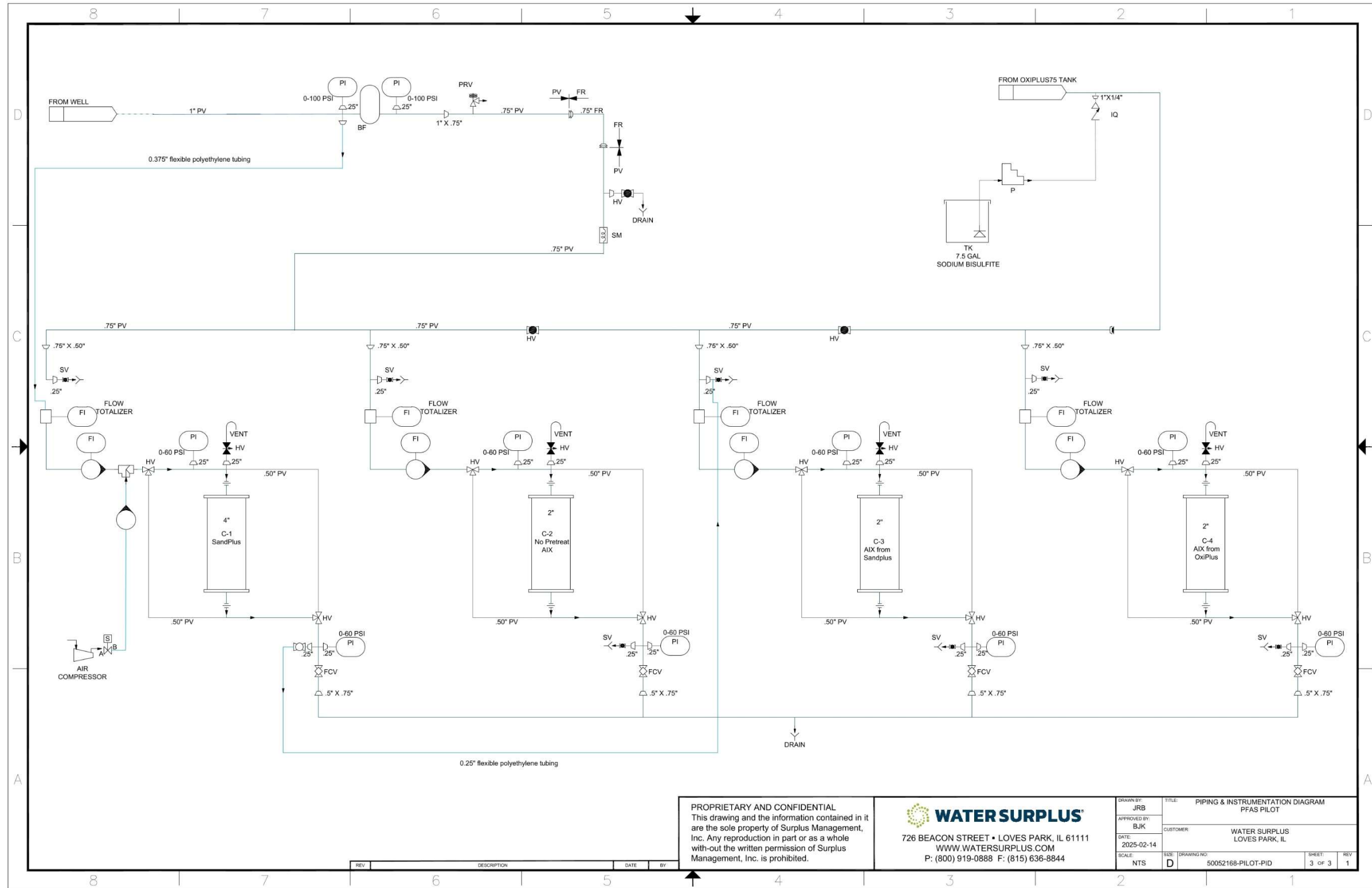


Figure 21. Pilot PFD – OxiPlus System



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WATER SURPLUS
 726 BEACON STREET • LOVES PARK, IL 61111
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 P: (800) 919-0888 F: (815) 636-8844

DRAWN BY: JRB	TITLE: PIPING & INSTRUMENTATION DIAGRAM PFAS PILOT
APPROVED BY: BJK	CUSTOMER: WATER SURPLUS LOVES PARK, IL
DATE: 2025-02-14	SCALE: NTS
SHEET: 3 OF 3	REV: 1

REV	DESCRIPTION	DATE	BY

Figure 22. Pilot PFD – PFAS System

Table 16. PFAS Results

Sample Date		Inlet - Raw Water								C2 - TP108 (No Pretreatment)							
		10-Jul-2025	12-Aug-2025	24-Sep-2025	22-Oct-2025	19-Nov-2025	11-Dec-2025	15-Jan-2026	20-Mar-2026	10-Jul-2025	12-Aug-2025	24-Sep-2025	22-Oct-2025	19-Nov-2025	11-Dec-2025	15-Jan-2026	20-Mar-2026
Volume	gal	---	---	---	---	---	---	---	---	4,710	7,177	7,177	10,200	11,597	12,527	13,942	18,032
Bed Volumes	BV	---	---	---	---	---	---	---	---	9,632	14,677	14,677	20,859	23,716	25,618	28,511	36,875
Days of Operation	days	63	96	139	167	195	217	252	316	63	96	139	167	195	217	252	316
PFOA (limit 4 ppt)	ng/L	6.20	3.50	4.20	2.90	7.60	4.30	6.60	3.70	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect
PFOS (limit 4 ppt)	ng/L	5.00	3.10	3.40	2.20	6.60	3.40	5.30	3.80	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect
PFHxS (limit 10 ppt)	ng/L	48	22	30	13	64	25	49	27	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect
Hazard Index (limit 1)	---	4.8	2.2	3.0	1.3	6.4	2.5	4.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFAS Results																	
11CI-PF3OUdS	ng/L	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.30	<0.31	<0.31
9CI-PF3ONS	ng/L	<0.47	<0.47	<0.48	<0.48	<0.47	<0.47	<0.47	<0.48	<0.47	<0.48	<0.48	<0.48	<0.47	<0.46	<0.47	<0.48
ADONA	ng/L	<0.41	<0.41	<0.42	<0.42	<0.41	<0.41	<0.41	<0.42	<0.41	<0.42	<0.42	<0.42	<0.41	<0.40	<0.41	<0.42
HFPO-DA (Gen X)	ng/L	<0.93	<0.93	<0.95	<0.95	<0.93	<0.93	<0.93	<0.95	<0.93	<0.95	<0.95	<0.95	<0.93	<0.91	<0.93	<0.95
N-EtFOSSA	ng/L	<1.7	<1.7	<1.1	<1.1	<1.7	<1.1	<1.1	<1.1	<1.7	<1.8	<1.1	<1.1	<1.7	<1.7	<1.1	<1.1
N-MeFOSAA	ng/L	<1.9	<1.9	<1.2	<1.2	<1.9	<1.2	<1.2	<1.2	<1.9	<2.0	<1.2	<1.2	<1.9	<1.9	<1.2	<1.2
PFBS	ng/L	19	9.3	12	5	27	9.6	20	11	<0.72	<0.74	<0.74	<0.74	<0.72	<0.71	<0.72	<0.74
PFDA	ng/L	<0.54	<0.54	<0.55	<0.55	<0.54	<0.54	<0.54	<0.55	<0.54	<0.55	<0.55	<0.55	<0.54	<0.53	<0.54	<0.55
PFDoA	ng/L	<0.62	<0.62	<0.64	<0.64	<0.62	<0.62	<0.62	<0.64	<0.62	<0.64	<0.64	<0.64	<0.62	<0.61	<0.62	<0.64
PFHpA	ng/L	5.5	2.7	3.6	1.7	7.5	3.1	6.2	3.2	<0.54	<0.55	<0.55	<0.55	<0.54	<0.53	<0.54	0.65
PFHxA	ng/L	26	11	18	7	36	14	31	14	<0.56	<0.57	<0.57	<0.57	<0.56	6.2	<0.56	9.8
PFHxS	ng/L	48	22	30	13	64	25	49	27	<0.63	<0.65	<0.65	<0.65	<0.63	<0.62	<0.63	<0.65
PFNA	ng/L	<0.52	<0.52	<0.53	<0.53	<0.52	<0.52	<0.52	<0.53	<0.52	<0.53	<0.53	<0.53	<0.52	<0.51	<0.52	<0.53
PFOA	ng/L	6.2	3.5	4.2	2.9	7.6	4.3	6.6	3.7	<0.47	<0.48	<0.48	<0.48	<0.47	<0.46	<0.47	<0.48
PFOS	ng/L	<5.00	3.1	3.4	2.2	6.6	3.4	5.3	3.8	<0.48	<0.49	<0.49	<0.49	<0.48	<0.47	<0.48	<0.49
PFTA	ng/L	<0.54	<0.54	<0.55	<0.55	<0.54	<0.54	<0.54	<0.55	<0.54	<0.55	<0.55	<0.55	<0.54	<0.53	<0.54	<0.55
PFTrDA	ng/L	<0.54	<0.54	<0.55	<0.55	<0.54	<0.54	<0.54	<0.55	<0.54	<0.55	<0.55	<0.55	<0.54	<0.53	<0.54	<0.55
PFUnA	ng/L	<0.52	<0.52	<0.53	<0.53	<0.52	<0.52	<0.52	<0.53	<0.52	<0.53	<0.53	<0.53	<0.52	<0.51	<0.52	<0.53

Table 17. PFAS Results (continued)

Sample Date	---	C3- TP108 (SandPlus Effluent)								C4 - TP108 (OxiPlus Effluent)							
		10-Jul-2025	12-Aug-2025	24-Sep-2025	22-Oct-2025	19-Nov-2025	11-Dec-2025	15-Jan-2026	20-Mar-2026	10-Jul-2025	12-Aug-2025	24-Sep-2025	22-Oct-2025	19-Nov-2025	11-Dec-2025	15-Jan-2026	20-Mar-2026
Volume	gal	offline	offline	offline	179	901	1,661	2,819	6,595	8,448	13,326	18,483	22,840	25,290	28,919	33,065	offline
Bed Volumes	BV				366	1,843	3,397	5,765	13,487	17,276	27,252	37,798	46,708	51,718	59,139	67,618	
Days of Operation	days	63	96	139	167	195	217	252	316	63	96	139	167	195	217	252	316
PFOA (limit 4 ppt)	ng/L				Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	0.47	0.53	Non Detect	Non Detect	
PFOS (limit 4 ppt)	ng/L				Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	
PFHxS (limit 10 ppt)	ng/L				Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	Non Detect	
Hazard Index (limit 1)	---				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PFAS Results																	
11CI-PF3OUdS	ng/L	offline	offline	offline	<0.31	<0.31	<0.31	<0.31	<0.31	<0.30	<0.31	<0.30	<0.31	<0.31	<0.31	<0.31	offline
9CI-PF3ONS	ng/L				<0.48	<0.47	<0.48	<0.48	<0.48	<0.46	<0.47	<0.46	<0.48	<0.47	<0.47	<0.48	
ADONA	ng/L				<0.42	<0.41	<0.42	<0.42	<0.42	<0.40	<0.41	<0.40	<0.42	<0.41	<0.41	<0.42	
HFPO-DA (Gen X)	ng/L				<0.95	<0.93	<0.95	<0.95	<0.95	<0.91	<0.93	<0.91	<0.95	<0.93	<0.93	<0.95	
N-EtFOSSA	ng/L				<1.1	<1.7	<1.1	<1.1	<1.1	<1.7	<1.7	<1.7	<1.1	<1.7	<1.7	<1.1	
N-MeFOSAA	ng/L				<1.2	<1.9	<1.2	<1.2	<1.2	<1.9	<1.9	<1.9	<1.2	<1.9	<1.9	<1.2	
PFBS	ng/L				<0.74	<0.72	<0.74	<0.74	<0.74	<0.71	<0.72	<0.71	<0.74	<0.72	<0.72	<0.74	
PFDA	ng/L				<0.55	<0.54	<0.55	<0.55	<0.55	<0.53	<0.54	<0.53	<0.55	<0.54	<0.54	<0.55	
PFDoA	ng/L				<0.64	<0.62	<0.64	<0.64	<0.64	<0.61	<0.62	<0.61	<0.64	<0.62	<0.62	<0.64	
PFHpA	ng/L				<0.55	<0.54	<0.55	<0.55	<0.55	<0.53	<0.54	<0.53	0.86	0.84	1.0	1.1	
PFHxA	ng/L				<0.57	<0.56	6.5	0.9	3.0	<0.55	4.8	6.2	14	14	18	20	
PFHxS	ng/L				<0.65	<0.63	<0.65	<0.65	<0.65	<0.62	<0.63	<0.62	<0.65	<0.63	<0.63	<0.65	
PFNA	ng/L				<0.53	<0.52	<0.53	<0.53	<0.53	<0.51	<0.52	<0.51	<0.53	<0.52	<0.52	<0.53	
PFOA	ng/L				<0.48	<0.47	<0.48	<0.48	<0.48	<0.46	<0.47	<0.46	0.47	0.53	<0.53	<0.52	
PFOS	ng/L				<0.49	<0.48	<0.49	<0.49	<0.49	<0.47	<0.48	<0.47	<0.49	<0.48	<0.48	<0.49	
PFTA	ng/L				<0.55	<0.54	<0.55	<0.55	<0.55	<0.53	<0.54	<0.53	<0.55	<0.54	<0.54	<0.55	
PFTrDA	ng/L				<0.55	<0.54	<0.55	<0.55	<0.55	<0.53	<0.54	<0.53	<0.55	<0.54	<0.54	<0.55	
PFUnA	ng/L				<0.53	<0.52	<0.53	<0.53	<0.53	<0.51	<0.52	<0.51	<0.53	<0.52	<0.52	<0.53	

Table 18. Onsite Analysis Results

Date/Time	Remaining Volume gal	OxiPlus ⁷⁵ Filter						SandPlus Outlet	Column 2 (No pretreatment)		Column 3 (SandPlus Pretreatment)	Column 4 (OxiPlus Pretreatment)
		Iron (mg/L)		Mn (mg/L)		Free Cl (mg/L)			Iron (mg/L)		Iron (mg/L)	Free Cl (mg/L)
		Inlet	Outlet	Inlet	Outlet	Inlet	Outlet		Inlet	Outlet	Outlet	Inlet
8-May-25 12:30		0.39	0.03	0.039	0.038	0.32	0.17			0.23		0.02
8-May-25 14:00		0.44	0.00	---	---	0.83	0.37			0.32		0.06
14-May-25 08:40		0.83	0.00	0.059	0.048	0.65	0.32			0.22		0.03
21-May-25 09:19		0.45	0.01	0.05	0.033	0.88	0.54			0.35		0.00
28-May-25 08:30		0.52	0.36	0.045	0.033	0.88	0.55			0.35		0.00
29-May-25 08:15		0.43	0.16	0.037	0.029	0.67	0.55			0.15		0.07
4-Jun-25 08:30		0.72	0.82	0.125	0.141	0.04	0.19			0.14		0.00
11-Jun-25 13:02		0.39	0.00	0.057	0.053	0.65	0.81			0.07		0.00
18-Jun-25 09:05	509	0.59	0.03	0.043	0.004	0.36	0.46			0.18		0.07
25-Jun-25 08:59	333	0.59	0.40	0.076	0.052	0.06	0.78			0.02		0.00
3-Jul-25 08:21	5240	0.65	0.05	0.091	0.05	0.11	0.53			0.24		0.02
10-Jul-25 12:55	1012	0.62	0.03	0.036	0.043	0.81	0.36			0.19		0.02
16-Jul-25 11:00	170	0.72	0.00	0.055	0.049	0.39	0.05			0.26		0.02
23-Jul-25 11:00	516	0.52	0.03	0.046	0.012	0.49	0.29			0.04		0.00
30-Jul-25 08:55		0.57	0.00	0.038	0.02	0.48	0.30			0.02		0.00
6-Aug-25 09:50	4838	0.65	0.06	0.042	0.013	1.02	0.81			0.09		0.03
13-Aug-25 09:15	1243	0.66	0.00	0.048	0.026	0.98	0.74			0.10		0.03
20-Aug-25 10:00	5299	0.53	0.07	0.041	0.032	0.17	0.05			0.07		0.02
27-Aug-25 13:45	2773	0.64	0.02	0.053	0.031	0.03	0.00			0.06		0.00
27-Aug-25 13:45	2773	0.64	0.02	0.053	0.031	0.03	0.00			0.06		0.00
17-Sep-25 10:50		0.59	0.00	0.056	0.009	0.43	0.24			0.14		0.01
24-Sep-25 09:15		0.45	0.07	0.044	0.029	0.25	0.11			0.00		0.00
2-Oct-25 08:30		0.39	0.02	0.047	0.024	0.27	0.06			0.00		0.00
8-Oct-25 08:20		0.51	0.08	0.066	0.052	0.21	0.14			0.02		0.02
9-Oct-25 14:10		0.44	0.04					0.04	0.51	0.0	0.0	0.00
15-Oct-25 09:15		0.48	0.12	0.049	0.039	0.24	0.11	0.22	0.19	0.02	0.18	0.05
22-Oct-25 12:55		0.37	0.03	0.061	0.044	0.22	0.09	0.04	0.78	0.3	0.01	0.02
23-Oct-25 09:30		0.43	0.03					0.09	0.18	0.03	0.05	
30-Oct-25 08:05		0.38	0.02	0.038	0.055	0.31	0.07	0.11	0.71	0.63	0.03	0.03
5-Nov-25 14:15		0.35	0.06	0.046	0.021	0.18	0.05	0.03	0.21	0.07	0.05	0.04
13-Nov-25 08:40		0.39	0.08	0.053	0.034	0.23	0.07	0.03	0.19	0.02	0.0	0.0
19-Nov-25 09:10		0.4	0.0	0.04	0.032	0.8	0.06	0.0	0.18	0.0	0.0	0.05
26-Nov-25 10:17		0.75	0.02	0.074	0.035	0.39	0.02	0.04			0	0.06
4-Dec-25 08:29		0.34	0.04	0.045	0.051	0	0	0.09	0.2	0.1	0	0
10-Dec-25 13:16		0.47	0	0.07	0.06	0.81	0.02	0.16	0.2	0	0	0.01
16-Dec-25 10:00		0.83	0.02	0.068	0.038	0.23	0.04	0.64	1.04	0.67	0.11	0
23-Dec-25 11:00		0.48	0	0.06	0.011	0.81	0.39	0.17	0.55	0.36	0.13	0.04
8-Jan-26 08:39		0.43	0.02	0.137	0.104	0.46	0.06		0.54	0.02	0.1	0.05
9-Jan-26 08:39		0.46	0.09	0.056	0.041	0.58	0.93	0.4	0.18	0.03	0.08	0
15-Jan-26 08:39		0.42	0.02	0.085	0.043	0.02	0.02	0.63	0.17	0.03	0	0.03
21-Jan-26 08:39		0.36	0.08	0.048	0.09	0.01	0.17	0.57	0	0	0	0.12
28-Jan-26 13:15		0.43	0	0.63	0.39	0	0.13	0.5	0.07	0.03	0.01	0.05
3-Feb-26 08:36		0.46	0	0.67	0.3	0	0.05	0.38	0.29	0.03	0.02	0
13-Feb-26 09:57		0.5						0.26	0.42	0.25	0.06	
19-Feb-26 13:31		0.49						0.02	0.35	0.23	0.03	
24-Feb-26 00:12		0.51						0.0	0.28	0.08	0.0	
3-Mar-26 08:28		0.40						0.03	0.47	0.13	0.02	
11-Mar-26 09:30		0.47						0.02	0.47	0.17	0.07	
20-Mar-26 08:47		0.46						0.39	0.26	0.14	0.42	
10-Apr-26 08:50		0.53						0.06	0.37	0.41	0.05	
13-Apr-26 10:03		0.36						0.06	0.56	0.63	0.13	
15-Apr-26 13:00		0.44						0.06	0.29	0.17	0	
21-Apr-26 14:53								0.05				
22-Apr-26 12:59		0.5						0.03	0.44	0.16	0.33	
24-Apr-26 14:40											0.15	
30-Apr-26 07:53		0.47						0.08	1.38	0.33	0.07	
30-Apr-26 13:56								0.12	0.31	0.24	0.17	
4-May-26 08:23		0.32						0	0.16	0.07	0	

Table 19. Pilot Readings

Date/Time	OxiPlus ⁷⁵				Bag Filter		Column 1 - Sandplus				Column 2 - AIX no Pretreat				Column 3 - AIX Sandplus Pretreat				Column 4 - AIX OxiPlus Pretreat			
	Inlet Pressure	Outlet Pressure	Remaining Volume	Flowrate	Inlet	Outlet	Flow	Total Vol.	Inlet Pressure	Outlet Pressure	Flow	Total Vol.	Inlet Pressure	Outlet Pressure	Flow	Total Vol.	Inlet Pressure	Outlet Pressure	Flow	Total Vol.	Inlet Pressure	Outlet Pressure
	PSI	PSI	gallons	gpm	PSI	PSI	gpm	gallons	PSI	PSI	gpm	gallons	PSI	PSI	gpm	gallons	PSI	PSI	gpm	gallons	PSI	PSI
8-May-25 12:30	49	46		4.2	50	46					0.2	41	31	29					0.2	46	34	33
12-May-25 08:30	50	46		3.9	50	48					0.15	133	31	30					0.125	478	34	34
14-May-25 08:15	50	46		3.6	50	47					0.15	229	31	29					0.125	852	34	34
19-May-25 09:15	50	47		3.7	51	48					0.155	332	30	28					0.115	1289	29	28
21-May-25 09:10	41	38		3.6	42	40					0.1	607	20	18					0.11	1563	19	18
22-May-25 08:30	50	43		3.9	50	48					0.13	630	32	30					0.15	1602	34	33
27-May-25 08:18	50	43		3.9	51	48					0.125	662	32	29					0.15	1666	34	33
29-May-25 08:15	50	45		4.2	51	48					0.13	831	32	29					0.15	2133	34	29
2-Jun-25 09:00	50	42		4.2	50	44					0.13	1041	32	28					0.14	2673	35	32
4-Jun-25 08:30	50	40		4.2	50	43					0.15	1357	32	28					0.155	3123	35	30
5-Jun-25 11:00	50	41		4	50	43					0.14	1373	32	28					0.2	3192	34	28
9-Jun-25 06:30	50	45		4.2	52	43					0.22	1397	32	27					0.2	3532	34	26
11-Jun-25 09:58	50	46		4	50	48					0.22	1426	32	27					0.215	3763	34	26
13-Jun-25 06:40	50	42		4.2	50	47					0.22	1967	32	27					0.22	4342	34	23
16-Jun-25 06:40	50	42		4.2	50	44					0.22	2233	32	27					0.22	5188	34	23
17-Jun-25 06:35	50	42		4.2	50	43					0.22	2496	32	26					0.2	5469	34	21
17-Jun-25 11:45	49	47	6403	4.2	50	45					0.2	2549	31	27					0.2	5522	34	32
19-Jun-25 08:45	49	42	4380	4.2	50	43					0.22	3052	31	28					0.2	5967	34	32
23-Jun-25 09:45	0:00	49	5957	4.2	50	46					0.2	3290	31	28					0.2	6600	34	31
25-Jun-25 08:17	50	45	333	3.7	50	46					0.2	3891	31	28					0.2	7042	34	31
27-Jun-25 07:50	49	43	786	4.2	50	43					0.2	4442	31	27					0.2	7483	34	31
2-Jul-25 08:16	49	43	5422	4.2	50	42					0.2	4522	31	27					0.2	7763	34	30
6-Jul-25 08:13	50	48	5240	4.2	52	48					0.2	4530	31	28					0.2	7971	34	31
9-Jul-25 07:44	50	47	2812	3.8	52	46					0.2	4545	31	27					0.125	8267	34	23
10-Jul-25 07:22	50	45	1012	2.6	52	4.6					0.225	4701	31	27					0.125	8448	34	32
14-Jul-25 07:15	50	42	1413	4.2	50	46					0.21	5005	32	27					0.125	9105	34	32
15-Jul-25 06:45	50	42	2602	4.2	50	45					0.21	5258	32	27					0.125	9283	36	32
16-Jul-25 08:00	50	43	170	4.3	50	44					0.21	5604	32	27					0.13	9514	34	32
21-Jul-25 09:30	50	42	1639	4.2	48	43					0.225	5869	32	27					0.2	9899	34	30
22-Jul-25 11:30	48	43	748	4.2	50	43					0.225	6190	34	25					0.2	10234	34	28
23-Jul-25 10:10	49	45	516	4	50	45					0.21	6441	33	27					0.2	10497	34	28
28-Jul-25 07:15	49	43	5230	4.2	50	43					0.21	6519	32	25					0.2	11226	34	27
31-Jul-25 09:45	50	49	4753	4.2	50	49					0.21	6778	32	27					0.2	11647	34	28
6-Aug-25 09:50	50	48	4838	4.2	50	49					0.2	7084	32	27					0.2	12169	34	23
8-Aug-25 09:15	50	46	2598	4.2	50	45					0.2	7141	32	26					0.2	13092	34	23
12-Aug-25 10:40	48	44	1795	4.2	50	44					0.2	7177	32	26					0.2	13326	34	23
13-Aug-25 09:15	51	47	1243	4	53	49					0.2	7199	32	27					0.18	13548	34	26
18-Aug-25 07:15	50	44	3600	4.2	50	43					0.2	7394	32	26					0.2	14448	34	15
20-Aug-25 07:05	50	43	5299	4.2	50	43					0.2	8015	32	23					0.2	14989	34	14
22-Aug-25 06:35	50	49	2155	4.2	50	43					0.2	8150	32	24					0.2	15423	34	14
25-Aug-25 06:35	50	47	5807	4.2	50	43					0.2	8253	32	24					0.2	16218	34	15
26-Aug-25 06:35	50	47	4275	4.2	50	43					0.2	8317	32	24					0.2	16483	34	30
27-Aug-25 06:40	50	48	2773	4.2	50	43					0.2	8378	32	24					0.2	1666	34	26
28-Aug-25 06:35	50	48	789	4.2	50	43					0.2	8455	32	24					0.2	16934	34	26
19-Sep-25 08:35	50	44	2223	4.2	50	43					0.2	8689	33	27					0.2	17845	34	22
25-Sep-25 09:10	50	44	5625	4.2	53	48					0.2	8795	32	27					0.2	18483	34	30
26-Sep-25 06:35	50	45	3924	4.2	50	47					0.2	8866	32	27					0.2	18934	34	29
29-Sep-25 06:35	50	44	2584	4.2	50	45					0.2	8921	32	27					0.2	19130	35	32

Table 20. Pilot Readings (continued)

Date/Time	OxiPlus ⁷⁶				Bag Filter		Column 1 - Sandplus				Column 2 - AIX no Pretreat				Column 3 - AIX Sandplus Pretreat				Column 4 - AIX OxiPlus Pretreat				
	Inlet Pressure	Outlet Pressure	Remaining Volume	Flowrate	Inlet	Outlet	Flow	Total Vol.	Inlet Pressure	Outlet Pressure	Flow	Total Vol.	Inlet Pressure	Outlet Pressure	Flow	Total Vol.	Inlet Pressure	Outlet Pressure	Flow	Total Vol.	Inlet Pressure	Outlet Pressure	
	PSI	PSI	gallons	gpm	PSI	PSI	gpm	gallons	PSI	PSI	gpm	gallons	PSI	PSI	gpm	gallons	PSI	PSI	gpm	gallons	PSI	PSI	
2-Oct-25 08:25	50	43	4373	4.2	50	44					0.2	9099	33	27					0.2	20008	35	23	
6-Oct-25 06:35	50	44	5163	4.2	50	43					0.2	9317	32	26					0.2	20152	34	28	
7-Oct-25 07:35	43	42	5281	4.2	48	42					0.2	9551	32	26					0.2	21097	34	27	
8-Oct-25 06:35	45	43	3059	4.2	50	43					0.2	9829	32	26					0.2	21266	35	27	
9-Oct-25 08:35	51	47	1162	4.2	51	46					0.2	9696	33	25					0.2	21530	35	24	
14-Oct-25 14:35	50	43	5838	4.2	50	43	1.4	1445	45	43	0.2	10004	32	28	0.025	94	38	38	0.2	22241	42	38	BW 4
15-Oct-25 09:10	50	43	3595	4.2	50	43	1.4	2057	46	44	0.2	10097	32	26	0.2	95	38	34	0.2	22516	42	38	
22-Oct-25 14:35	38	36	1106	4.2	42	38	1.4	2721	34	30	0.2	10200	32	26	0.2	179	24	20	0.2	22840	42	38	
23-Oct-25 13:30	44	42	4098	4.3	50	42	1.4	3746	44	42	0.2	10311	32	26	0.2	292	36	31	0.2	23064	42	38	
30-Oct-25 08:05	50	43	1803	4.2	50	43	1.4	4327	45	42	0.2	10393	32	25	0.2	386	36	32	0.2	23355	42	38	
4-Nov-25 14:45	50	43	4100	4.2	50	43	1.1	7150	47	38	0.2	10887	32	24	0.2	822	33	28	0.2	24251	42	37	
5-Nov-25 02:15	50	44	2431	4.2	50	44	1.3	7557	48	40	0.2	10956	33	24	0.2	890	33	29	0.2	24515	42	37	
6-Nov-25 08:15	50	43	2304	4.2	50	44	1.3	7586	48	38	0.2	10962	33	24	0.2	895	33	28	0.2	24615	42	37	BW SandP
13-Nov-25 08:35	50	43	375	4.2	50	43	1.4	9926	49	48	0.2	11341	33	24	0.2	900	43	38	0.2	25488	42	36	
19-Nov-25 09:45	50	43	1087	4.2	50	43	1.4	11367	49	46	0.2	11597	32	26	0.2	901	40	34	0.2	25290	43	36	BW 3
4-Dec-25 08:30	50	44	5034	4.2	50	43	1.4	14327	49	44	0.2	12361	32	24	0.2	1516	23	20	0.2	28144	43	36	
5-Dec-25 08:21	52	48	2938	4.1	50	43	1.4	14655	48	44	0.2	12451	32	26	0.19	1603	21	23	0.2	28417	42	34	
8-Dec-25 11:20	51	48	1785	4.1	50	43	1.4	14655	49	44	0.2	12503	32	24	0.2	1645	22	24	0.2	28527	42	36	
9-Dec-25 08:34	51	48	1771	4.2	52	44	1.4	14655	49	44	0.2	12504	32	25	0.15	1645	20	17	0.2	28729	42	34	
10-Dec-25 13:15	52	48	1670	4	52	46	1.4	14655	48	47	0.2	12508	32	25	0.125	1648	17	15	0.2	28788	42	35	
11-Dec-25 10:39	52	48	1243	4.2	50	44	1.4	14655	48	48	0.2	12527	32	26	0.2	1661	10	2	0.2	28919	42	34	BW 1 & 3
12-Dec-25 09:50	50	43	971	4.2	50	43	1.4	14682	46	51	0.2	12538	32	24	0.2	1651	45	42	0.2	29133	42	37	
16-Dec-25 09:57	50	43	943	4.2	50	43	1.4	14769	46	51	0.2	12539	32	25	0.2	1661	46	44	0.2	29213	42	37	
19-Dec-25 09:28	52	44	802	4.2	50	43	1.4	14728	53	49	0.2	12545	32	26	0.2	1673	46	43	0.2	29345	42	37	
23-Dec-25 10:00	50	43	4097	4.2	50	43	1.4	15680	50	47	0.2	12672	32	26	0.2	1835	43	40	0.2	28750	42	36	
29-Dec-25 09:28	48	42	5984	4.2	48	42	1.4	18952	44	32	0.2	13133	26	26	0.2	2133	32	27	0.2	30198	42	33	
8-Jan-26 09:28	28	24	5980	4.2	30	22	1.4	20191	28	24	0.2	13459	28	18	0.2	2340	26	20	0.2	31850	42	38	BW 1 & 4
9-Jan-26 09:28	50	44	1806	4.2	50	43	1.4	20198	50	45	0.2	13620	32	26	0.2	2485	48	49	0.2	32177	42	34	
15-Jan-26 09:28	44	40	5926	4.2	42	38	1.4	20834	48	42	0.2	13942	32	24	0.2	2819	38	34	0.2	33065	42	34	
21-Jan-26 09:28	44	42	5859	4.2	43	38	1.4	22287	43	38	0.2	14182	32	25	0.2	3034	43	38	0.2	33334	43	31	
28-Jan-26 13:15	44	42	1238	4.2	45	42	1.4	32073	44	48	0.2	15362	32	22	0.2	4283	43	30	0.2	35972	43	30	
2-Feb-26 08:30	44	42	5555	4.2	48	42	1.4	33882	43	48	0.2	15843	32	25	0.2	4676	43	30	0.2	36797	43	30	BW 3&4
4-Feb-26 11:20	44	43	2136	4.2	52	43	1.4	36390	49	54	0.2	15923	31	23	0.2	4753	48	42	0.2	37003	43	37	
12-Feb-26 11:15	offline				42	40	1.4	36491	36	34	0.2	15939	31	25	0.2	4756	34	30	offline				BW 1, 2, ar
13-Feb-26 09:50					42	38	1.4	37989	37	35	0.2	16088	31	26	0.2	4919	34	30					
17-Feb-26 13:35					42	40	1.4	39184	37	35	0.2	16245	31	24	0.2	5157	35	30					
24-Feb-26 09:30					42	40	1.4	40845	37	34	0.2	16467	31	24	0.2	5375	33	28					
3-Mar-26 08:30					42	40	1.4	42915	37	30	0.2	16737	31	23	0.2	5634	28	23					
9-Mar-26 10:53					42	40	1.4	45593	35	30	0.2	17090	31	23	0.2	5875	28	25					BW 1
11-Mar-26 09:30					42	40	1.4	46724	36	28	0.2	17239	31	23	0.2	6043	26	22					
17-Mar-26 12:30					34	33	1.4	52135	31	21	0.2	18032	31	21	0.2	6595	36	28					
25-Mar-26 12:30					44	40	1.4	53104	38	36	0.2	18335	31	25	0.2	7437	36	35					
10-Apr-26 08:50					44	38	1.4	55216	34	32	0.2	18629	32	26	0.2	7753	32	31					BW C1
13-Apr-26 09:58					42	38	1.4	55246	34	32	0.2	18633	30	26	0.2	7758	32	31					
15-Apr-26 13:00					42	38	1.4	56664	34	32	0.2	18874	30	26	0.2	7977	32	30					
21-Apr-26 14:56					42	38	1.4	59909	34	30	0.2	19334	30	26	0.2	8406	28	27					
24-Apr-26 14:40					42	38	1.4	60571	34	32	0.2	19436	31	26	0.2	8509	30	29					BW 1,2,3
30-Apr-26 07:50					42	38	1.4	61652	35	30	0.2	19561	31	26	0.2	8652	29	28					
1-May-26 13:45					43	38	1.4	63326	35	20	0.2	19831	31	25	0.2	8884	20	20					BW 1,2,3
4-May-26 08:20					42	38	1.4	65412	34	25	0.2	20117	31	25	0.2	9186	25	20					BW 1,2,3
4-May-26 08:50					42	38	1.4	65452	35	33	0.2	20123	31	26	0.2	9194	32	28					



SandPlus™

High Flow Rate Filter Media Series



Media Overview

SandPlus™ is a high flow rate filter media with improved filtration performance when compared to other media. The hardness, stability, uniformity and microporous characteristics all help the media perform well in both water and wastewater applications. While most filtration media filters down to 8–15 micron nominal size, SandPlus can filter down to 3–5 micron particle removal.

Media Applications

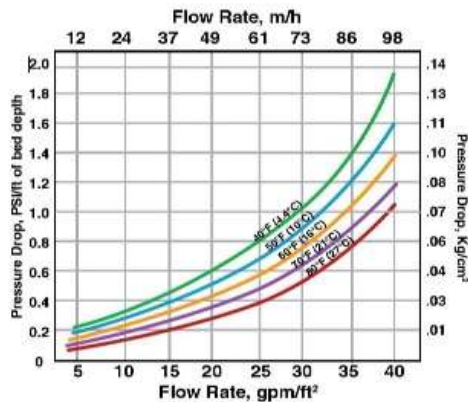
SandPlus can be used for industrial applications like cooling tower turbidity removal or pretreatment prior to reverse osmosis. It can be used in gravity or pressure filters with lower pressure drops and improved filtration performance. It can also be used in potable and irrigation applications or in storm water or wastewater reuse applications.

Physical Properties

- Composition: High-purity Alumino-Silicate
- Bulk Density: 55 lb/ft³ (0.67 kg/L)
- Specific Gravity: 2.6 g/cm³
- Mesh Sizes: 14 x 40 mesh
- Effective Size: (0.4–1.4mm)
- Uniformity Coefficient: Less than 1.70
- Packaging: 1ft³ bags, 1m³ supersacks
- Porosity: 55%

Operation

- pH: 1.0–12.0
- Bed Depth: 24"–48" depending on application
- Freeboard: 40% of bed depth (min)
- Typical Treatment Loading Rate: 10–20 gpm/ft²
- Backwash Rate: 13–22 gpm/ft², 5–15 minutes
- Service Flow: 2–20 gpm/ft²
- Particle Removal: 3–5 micron
- Conditioning: Requires chlorine oxidant



Backwash Flow Requirements					
Flow	80°F (27°C)	70°F (21°C)	60°F (16°C)	50°F (10°C)	40°F (4.5°C)
gpm/ft ²	22.3	19.8	17.2	14.8	12.5
m/h	54.5	48.4	42	36.2	30.6
+40% Bed Expansion					



PRODUCT INFORMATION LEWATIT® TP 108



Lewatit® TP 108 is a gel-type polystyrene-based strong base anion exchange resin with a heterodisperse particle size distribution. In comparison with conventional strong base anion exchange resins its modified functional group facilitates a very selective uptake of per- and polyfluoralkyl substances (PFAS) from industrial waste water with a high background of chloride and sulphate.

Thus **Lewatit® TP 108** is particularly applicable for the removal of short and long chain PFAS to very low levels, including PFOA, PFOS, PFNA, PFHxA, PFHxS, PFBS and PFBA.

Lewatit® TP 108 can be used as well for the removal of other emerging contaminants that have an anionic amphiphilic character, e.g. synthetic hormones and pesticides.

The special properties of this product can only be fully utilized if the technology and process used correspond to the current state-of-the-art. Further advice in this matter can be obtained from Lanxess Corporation.

This document contains important information and must be read in its entirety.

Edition: 2021-10-25
Previous Edition: 2021-09-28

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PRODUCT INFORMATION LEWATIT® TP 108



Common Description

Delivery form		Cl ⁻
Functional group		quaternary ammonium
Matrix		styrenic
Structure		gel
Appearance		white, opaque

Specified Data

Uniformity coefficient		max.	1.7
Effective size	d10	mm	0.46-0.61
Fines	less than 0.315 mm	max. vol %	1
Total capacity (delivery form)		min. eq/L	0.7

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LANXESS
Energizing Chemistry



PRODUCT INFORMATION LEWATIT® TP 108



Typical Physical and Chemical Properties

	Metric Units	
Bulk density for shipment	g/L	690
Water retention (delivery form)	approx. weight %	33-43
Stability pH range		0-14
Stability temperature range	°C	1-80
Storage time (after delivery)	max. years	2
Storability temperature range	°C	-20 - +40

Operation

		Metric Units	
Operating temperature		max. °C	80
Bed depth for single column		min. mm	800
Back wash bed expansion per m/h (20°C)		%	4
Specific pressure loss (15°C)		kPa*h/m ²	1.2
Max. pressure loss during operation		kPa	250
Freeboard	during backwash	min. vol. %	80-100

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PRODUCT INFORMATION LEWATIT® TP 108



Additional Information & Regulations

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE OF PRODUCTS MENTIONED HEREIN IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING ANY PRODUCT, ALWAYS READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

Safety precautions

Strong oxidants, e.g. nitric acid, can cause violent reactions if they come into contact with ion exchange resins.

Disposal

In the European Community Ion exchange resins have to be disposed, according to the European waste nomenclature which can be accessed on the internet-site of the European Union.

Packaging

The experience has shown that the packaging stability for reliable resin containment is limited to 24 months under the storage conditions described within the product safety information. It is therefore recommended to use the product within this time frame; otherwise the packaging condition should be checked regularly.

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PRODUCT INFORMATION LEWATIT® TP 108



The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and application. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change with notice. It is expressly understood and agreed that you assume and hereby expressly release us from liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

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Note: The information contained in this publication is current as of the date of edition. Please contact LANXESS Corporation Inc. to determine if this publication has been revised.

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Energizing Chemistry

City of Pewaukee - New Agenda Item

Agenda Language:

Discussion and Possible Action to Adopt **Resolution 26-06-15** Relocation Order for the Kopmeier Bay Sanitary Sewer Replacement [Wagner]

Sub Item Agenda Language:

Background Provided By:

Magdelene Wagner/Jane Mueller

Background:

The existing sanitary sewer under the bay of Pewaukee Lake serving the Kopmeier Lift Station is in need of replacement. Staff has been working on the logistics of replacing this existing sewer on the Lake Bed and all the permits required for the replacement. In addition, additional permanent and temporary easements are needed to support the construction of the new line. This resolution allows the acquisition of these easements to occur.

Staff has been discussing these easements with the property owners and they have been very cooperative and understanding of the need for the project.

Fiscal Impact:

Recommended Motion:

Council approve the relocation resolution.

**COMMON COUNCIL – CITY OF PEWAUKEE
RESOLUTION #26-06-15**

**RELOCATION ORDER OF THE CITY OF PEWAUKEE
WAUKESHA COUNTY, WISCONSIN
(Kopmeier Bay Sanitary Sewer Replacement)**

NOW COMES the City of Pewaukee, Waukesha County, Wisconsin, by its Common Council and for its Relocation Order hereby resolves as follows:

1. That this Resolution is a Relocation Order in accordance with §32.05(1), Wisconsin Statutes, for the purposes of the within described public improvement project and it is also a determination of necessity for that project in accordance with §32.07(2), Wisconsin Statutes.
2. That the City of Pewaukee hereby determines that it is a necessary and public purpose to construct public improvements as shown on the maps attached hereto, made a part hereof and marked Exhibit “A-1” and “A-3”.
3. That said public improvements (sanitary sewer replacement) will be built as set forth on the maps which are annexed to this Relocation Order as Exhibits “A-1” and “A-3” and are incorporated herein.
4. That the sites of said public improvements (sanitary sewer replacement) are contained in Exhibits “A-1” and “A-3” which are incorporated herein; that the legal descriptions to said site are attached hereto, made a part hereof and marked Exhibits “A-2” and “A-4”.
5. That the City of Pewaukee will acquire permanent easements or right of way for public improvements (sanitary sewer replacement) as indicated on Exhibits “A-1” through “A-4”.

Passed and approved this 15th day of June, 2026.

I hereby certify that on this 15th day of June, 2026, the within Relocation Order was adopted by a vote of ____ ayes to ____ nays by the Common Council of the City of Pewaukee, Waukesha County, Wisconsin.

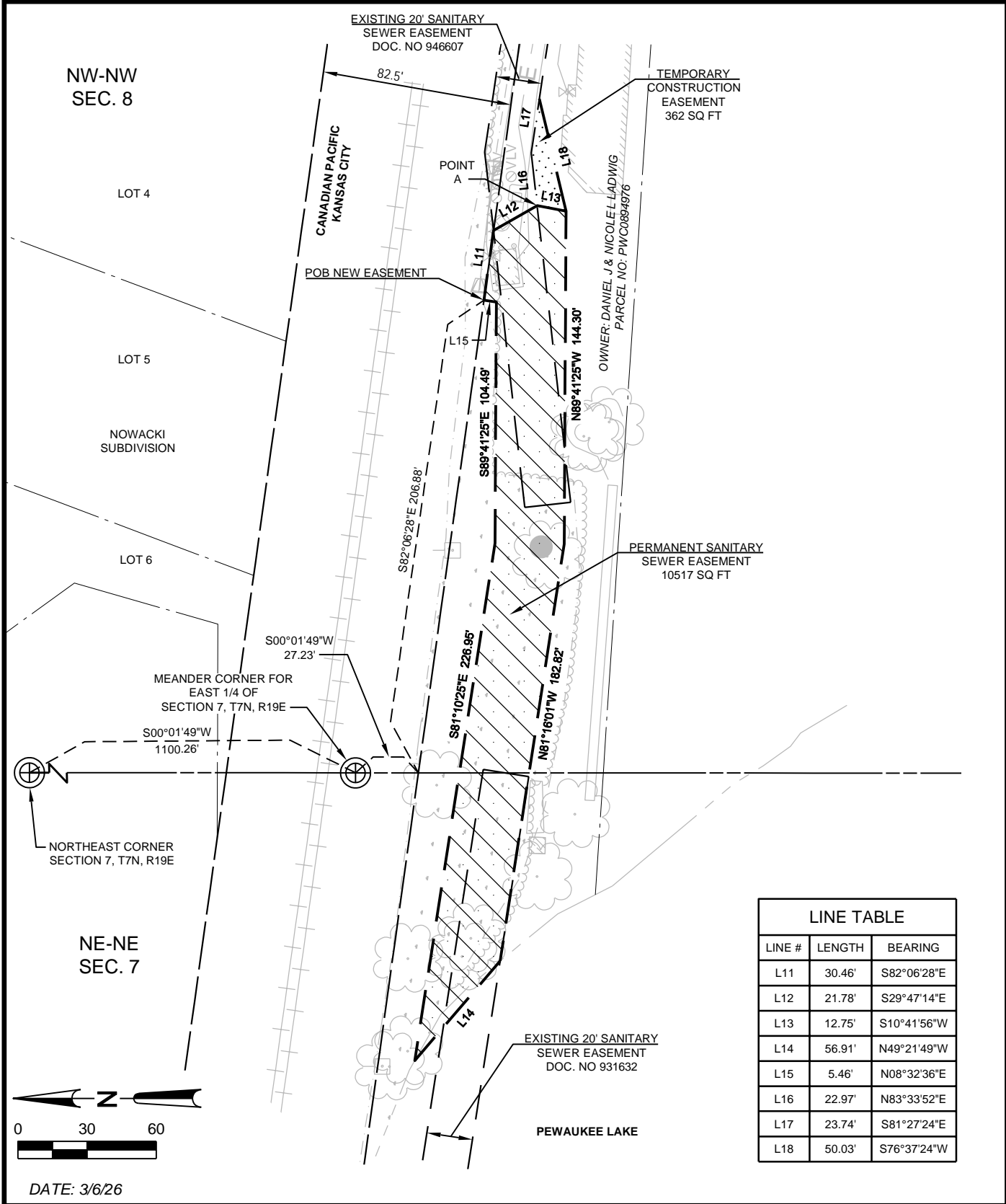
APPROVED: CITY OF PEWAUKEE

Steven Bierce, Mayor

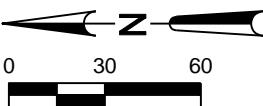
ATTEST:

Kelly Tarczewski, Clerk/Treasurer

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LINE TABLE		
LINE #	LENGTH	BEARING
L11	30.46'	S82°06'28"E
L12	21.78'	S29°47'14"E
L13	12.75'	S10°41'56"W
L14	56.91'	N49°21'49"W
L15	5.46'	N08°32'36"E
L16	22.97'	N83°33'52"E
L17	23.74'	S81°27'24"E
L18	50.03'	S76°37'24"W



DATE: 3/6/26

PERMANENT SANITARY SEWER EASEMENT & TEMPORARY CONSTRUCTION EASEMENT
 CITY OF PEWAUKEE
 PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 8
 AND PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4
 SECTION 7, ALL IN TOWNSHIP 7 NORTH, RANGE 19 EAST
 CITY OF PEWAUKEE, WAUKESHA COUNTY, WISCONSIN

STRAND ASSOCIATES®

EXHIBIT B

4621.028

LEGAL DESCRIPTION

Owner:

**DANIEL J AND NICOLE L LADWIG
N37W26980 KOPMEIER DR
PEWAUKEE, WI 53072**

PARCEL NO: PWC0894976

A Variable Width Permanent Sanitary Sewer Easement for construction and maintenance purposes as defined herein, including the right to operate necessary equipment thereon, the right of ingress and egress as long as required for such public purpose including the right to preserve, protect, remove or plant thereon any vegetation that the highway authorities may deem desirable, but without prejudice to the owner's right to make or construct improvements on said lands or to flatten the slopes, providing said activities will not impair or otherwise adversely affect the highway facilities.

Said easement consists of the owner's interest in land contained in the following described tract located in part of the Northwest 1/4 of the Northwest 1/4 of Section 8 and the Northeast 1/4 of the Northeast 1/4 Section 7, all in Township 7 North, Range 19 East, City of Pewaukee, Waukesha County, Wisconsin being more particularly described as follows:

Commencing at the Northeast corner of said Section 7;

Thence, South 00°01'49" West, 1100.26 feet along the East line of the Northeast 1/4 of the Northeast 1/4 of said Section 7 to the East meander corner of said Section 7; thence, South 00°01'49" West, 27.23 feet along said East line to the southerly right-of-way line of Canadian Pacific Kansas City railway; thence, S82°06'28"E, 206.88 feet along said southerly right-of-way line to the Point of Beginning.

Thence, South 82° 06' 28" East, 30.46 feet along said southerly right-of-way line and the northerly line of the Existing Sanitary Sewer Easement recorded as document number 946607;

Thence, South 29° 47' 14" East, 21.78 feet to the southerly line of said Existing Sanitary Sewer Easement and to **Point A**;

Thence, South 10° 41' 56" West, 12.75 feet;

Thence, North 89° 41' 25" West, 144.30 feet;

Thence, North 81° 16' 01" West, 182.82 feet more or less to the easterly edge of Pewaukee Lake;

Thence, North 49° 21' 49" West, 56.91 feet along said easterly edge;

Thence, South 81° 10' 25" East, 226.95 feet;

Thence, South 89° 41' 25" East, 104.49 feet;

Thence, North 08° 32' 36" East, 5.46 feet to said southerly right-of-way line and the Point of Beginning.

Containing 10517 square feet, more or less.

Also, A Variable Width Temporary Construction Easement for construction and maintenance purposes as defined herein, including the right to operate necessary equipment thereon, the right of ingress and egress as long as required for such public purpose including the right to preserve, protect, remove or plant thereon any vegetation that the highway authorities may deem desirable, but without prejudice to the owner's right to make or construct improvements on said lands or to flatten the slopes, providing said activities will not impair or otherwise adversely affect the highway facilities.

Beginning at above said **Point A**;

Thence, North 83° 33' 52" East, 22.97 feet along the southerly line of said Existing Sanitary Sewer Easement;

Thence, South 81° 27' 24" East, 23.74 feet along the southerly line of said Existing Sanitary Sewer

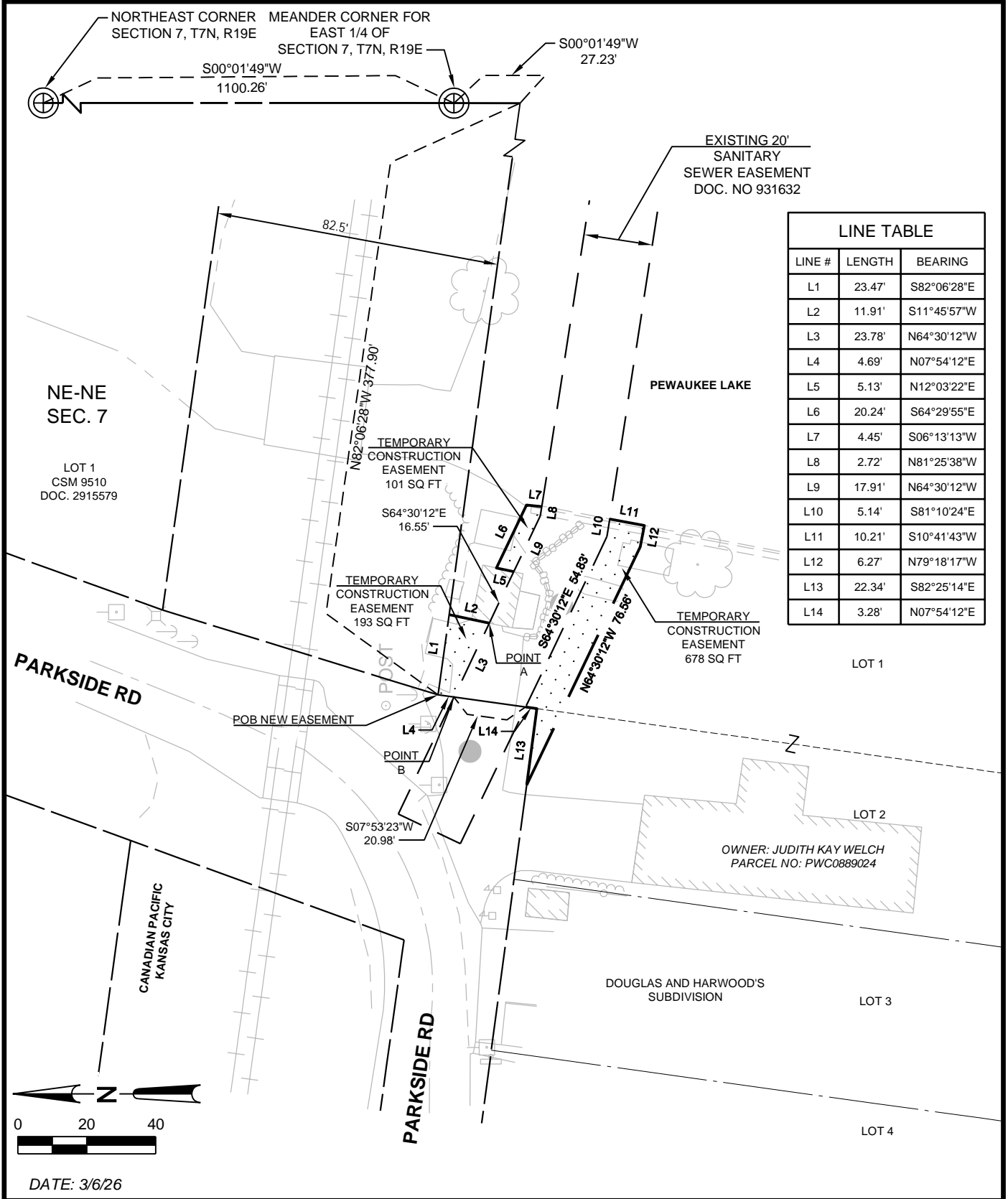
Easement;
Thence, South 76° 37' 24" West, 50.03 feet;
Thence, North 10° 41' 56" East, 12.75 feet to the Point of Beginning.

Containing 362 square feet, more or less.

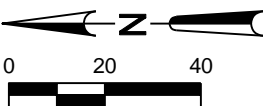
See attached Exhibit B for further information.

Subject to all other easements and restrictions, recorded and unrecorded.

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LINE TABLE		
LINE #	LENGTH	BEARING
L1	23.47'	S82°06'28"E
L2	11.91'	S11°45'57"W
L3	23.78'	N64°30'12"W
L4	4.69'	N07°54'12"E
L5	5.13'	N12°03'22"E
L6	20.24'	S64°29'55"E
L7	4.45'	S06°13'13"W
L8	2.72'	N81°25'38"W
L9	17.91'	N64°30'12"W
L10	5.14'	S81°10'24"E
L11	10.21'	S10°41'43"W
L12	6.27'	N79°18'17"W
L13	22.34'	S82°25'14"E
L14	3.28'	N07°54'12"E



TEMPORARY CONSTRUCTION EASEMENT
CITY OF PEWAUKEE
PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4
SECTION 7, TOWNSHIP 7 NORTH, RANGE 19 EAST
CITY OF PEWAUKEE, WAUKESHA COUNTY, WISCONSIN



EXHIBIT A
4621.028

LEGAL DESCRIPTION

Owner:

**JUDITH KAY WELCH
N38W27071 PARKSIDE RD
PEWAUKEE, WI 53072**

PARCEL NO: PWC0889024

A Variable Width Temporary Construction Easement for construction and maintenance purposes as defined herein, including the right to operate necessary equipment thereon, the right of ingress and egress as long as required for such public purpose including the right to preserve, protect, remove or plant thereon any vegetation that the highway authorities may deem desirable, but without prejudice to the owner's right to make or construct improvements on said lands or to flatten the slopes, providing said activities will not impair or otherwise adversely affect the highway facilities.

Said easement consists of the owner's interest in land contained in the following described tract located in Lot 1 and 2 of Douglas and Harwood's Subdivision being located in the Northeast 1/4 of the Northeast 1/4 Section 7, Township 7 North, Range 19 East, City of Pewaukee, Waukesha County, Wisconsin being more particularly described as follows:

Commencing at the Northeast corner of said Section 7;
Thence, South 00°01'49" West, 1100.26 feet along the East line of the Northeast 1/4 of the Northeast 1/4 of said Section 7 to the East meander corner of said Section 7; thence, South 00°01'49" West, 27.23 feet along said East line to the southerly right-of-way line of Canadian Pacific Kansas City railway; thence, N82°06'28"W, 377.90 feet along said southerly right-of-way line to the Point of Beginning.

Thence, South 82° 06' 28" East, 23.47 feet along said southerly right-of-way line;
Thence, South 11° 45' 57" West, 11.91 feet to the northerly line of the existing sanitary sewer easement recorded as document number 931632 and to **Point A**;
Thence, North 64° 30' 12" West, 23.78 feet along the northerly line of said existing easement and to **Point B**;
Thence, North 07° 54' 12" East, 4.69 feet along the easterly right-of-way of Parkside Road to the Point of Beginning.

Containing 193 square feet, more or less.

Also, commencing at the above said **Point A**;
Thence, South 64°30'12" East, 16.55 feet to the along the northerly line of said existing sanitary sewer easement Point of Beginning;

Thence, North 12° 03' 22" East, 5.13 feet;
Thence, South 64° 29' 55" East, 20.24 feet;
Thence, South 06° 13' 13" West, 4.45 feet to the above said northerly line;
Thence, North 81° 25' 38" West, 2.72 feet along said northerly line;
Thence, North 64° 30' 12" West, 17.91 feet along said northerly line to the Point of Beginning.

Containing 101 square feet, more or less.

Also, commencing at the above said **Point B**;
Thence, South 07°53'23" West, 20.98 feet along the easterly right-of-way of Parkside Road to the Point of Beginning.

Thence, South 64° 30' 12" East, 54.83 feet along the southerly line of said existing easement;
Thence, South 81° 10' 24" East, 5.14 feet along said southerly line;
Thence, South 10° 41' 43" West, 10.21 feet;

Thence, North 79° 18' 17" West, 6.27 feet;
Thence, North 64° 30' 12" West, 76.56 feet to the southerly right-of-way of Parkside Road;
Thence, South 82° 25' 14" East, 22.34 feet along said southerly right-of-way line to the easterly right-of-way of Parkside Road;
Thence, North 07° 54' 12" East, 3.28 feet along said easterly right-of-way to the Point of Beginning.

Containing 678 square feet, more or less.

See attached Exhibit A for further information.

Subject to all other easements and restrictions, recorded and unrecorded.

City of Pewaukee - New Agenda Item

Agenda Language:

Discussion and Possible Action regarding Safe Drinking Water Loan Applications
[Wagner/Mueller]

1. Adopt **Resolution 26-06-16** Declaring Official Intent to Reimburse Expenditures for Safe Drinking Water Fund Program Well #8 PFAS Treatment Facility and Improvements
2. Adopt **Resolution 26-06-17** Acknowledging Magdelene Wagner, P.E., Director of Public Works, as Authorized Representative for the City of Pewaukee Well #8 Treatment System, Improvements, and All Related Activities.
3. Adopt **Resolution 26-06-18** Declaring Official Intent to Reimburse Expenditures for Safe Drinking Water Fund Program Well #13 Source Well Replacement and Related Improvements.
4. Adopt **Resolution 26-06-19** Acknowledging Magdelene Wagner, P.E., Director of Public Works, as Authorized Representative for the City of Pewaukee Well #13 Source Well Replacement and All Related Activities.

Sub Item Agenda Language:

Background Provided By:

Magdelene Wagner/Jane Mueller

Background:

The Water Utility is applying for a Safe Drinking Water Loan through the Department of Natural Resources for the Well #8 PFAS Treatment Facility and the Well #13 Source Well Replacement projects. Applying for these loans will qualify the City for reduced interest rates for the life of the loans. These resolutions are required as part of the application process.

Fiscal Impact:

Recommended Motion:

Council approve all resolutions.

RESOLUTION NO. 26-06-16

**RESOLUTION DECLARING OFFICIAL INTENT TO REIMBURSE
EXPENDITURES FOR SAFE DRINKING WATER FUND PROGRAM
Well #8 PFAS TREATMENT FACILITY AND IMPROVEMENTS**

The City Council of the City of Pewaukee do resolve as follows:

WHEREAS, the City of Pewaukee, Wisconsin hereinafter referred to as (the "Municipality") owns and operates a water supply system hereinafter referred to as (the "System") as a public utility, and

WHEREAS, the Municipality plans to construct a water treatment system to treat the PFAS Contamination in the ground water (the "Project"); and

WHEREAS, the Municipality expects to finance the Project on a long-term basis through the issue of tax-exempt bonds or promissory notes (hereinafter referred to as the "Bonds"); and

WHEREAS, because the Bonds will not be issued prior to June of 2026, the Municipality must provide interim financing to cover the cost of the Project, which costs will be incurred prior to receipt of the proceeds of the Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the Bonds are issued.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Pewaukee that:

Section 1. Expenditure of Funds. The Municipality will make expenditures as needed from its funds on hand to pay the costs of the Project until Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treasury Regulation Section 1.150-2 to reimburse said expenditures with proceeds of the Bonds, the principal amount of which is not expected to exceed \$3,600,000.

Section 3. Unavailability of Long-Term Funds. No funds or payment of the Project from sources other than the Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Declaration of Official Intent is a public record, which shall be maintained in the files of the Municipality and is available for public inspection pursuant to subchapter II of Chapter 19 of the Wisconsin Statutes, and shall remain available for public inspection until the Bonds are issued.

Section 5. Effective Date. This resolution shall be effective upon its adoption and approval.

Approved this 15th day of June, 2026.

CITY OF PEWAUKEE

Steve Bierce, Mayor

ATTEST:

Kelly Tarczewski, Clerk/Treasurer

Vote: Aye _____
Nay _____
Abstain _____
Absent _____

Posted: _____, 2026

RESOLUTION NO. 26-06-17

RESOLUTION ACKNOWLEDGING
MAGDELENE WAGNER, P.E., DIRECTOR OF PUBLIC WORKS,
AS AUTHORIZED REPRESENTATIVE FOR THE CITY OF PEWAUKEE
WELL #8 TREATMENT SYSTEM, IMPROVEMENTS
AND ALL RELATED ACTIVITIES

WHEREAS, the City of Pewaukee, Waukesha County, Wisconsin (the "Municipality") plans to undertake a Water Treatment System and Improvements (the "Project"); and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to designate one person as representative for the Project;

NOW, THEREFORE, BE IT RESOLVED that the City of Pewaukee Council hereby acknowledges and appoints Magdelene Wagner, P.E., Director of Public Works, as the authorized representative for the City of Pewaukee anticipated Well #8 Treatment System and Improvements project and related activities as follows:

- 1) Authorized representative to the Wisconsin Department of Natural Resources including all technical and financial matters for the Well #8 Treatment System and Improvements project.
- 2) Authorized representative to the Environmental Protection Agency.
- 3) Authorized representative to any and all departments, agencies of corporations involved, currently or in the future, with the City of Pewaukee Well #8 Treatment System and Improvements project.

Presented by: _____
City Councilperson

Seconded by: _____
City Councilperson

SECTION 1: EFFECTIVE DATE.

This resolution shall take effect upon passage and posting or publication as provided by law.

Dated the 15th day of June, 2026.

CITY OF PEWAUKEE

Steve Bierce, Mayor

ATTEST:

Kelly Tarczewski, City Clerk/Treasurer

I, Kelly Tarczewski, City Clerk of the City of Pewaukee do hereby certify that the above Resolution was duly adopted by a vote of _____ in favor and _____ opposed of the City Council of the City of Pewaukee on the 15th day of June, 2026. I further certify that the above Resolution was duly posted by me in 3 public places likely to give notice of its content on the _____ day of _____.

Kelly Tarczewski, City Clerk/Treasurer

RESOLUTION NO. 26-06-18

**RESOLUTION DECLARING OFFICIAL INTENT TO REIMBURSE
EXPENDITURES FOR SAFE DRINKING WATER FUND PROGRAM
Well #13 SOURCE WELL REPLACEMENT AND RELATED IMPROVEMENTS**

The City Council of the City of Pewaukee do resolve as follows:

WHEREAS, the City of Pewaukee, Wisconsin hereinafter referred to as (the "Municipality") owns and operates a water supply system hereinafter referred to as (the "System") as a public utility, and

WHEREAS, the Municipality plans to construct a source well project to provide municipal water supply to its customers as capacity replacement (the "Project"); and

WHEREAS, the Municipality expects to finance the Project on a long-term basis through the issue of tax-exempt bonds or promissory notes (hereinafter referred to as the "Bonds"); and

WHEREAS, because the Bonds will not be issued prior to June of 2026, the Municipality must provide interim financing to cover the cost of the Project, which costs will be incurred prior to receipt of the proceeds of the Bonds; and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to advance moneys from its funds on hand on an interim basis to pay the costs of the Project until the Bonds are issued.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Pewaukee that:

Section 1. Expenditure of Funds. The Municipality will make expenditures as needed from its funds on hand to pay the costs of the Project until Bond proceeds become available.

Section 2. Declaration of Official Intent. The Municipality hereby officially declares its intent under Treasury Regulation Section 1.150-2 to reimburse said expenditures with proceeds of the Bonds, the principal amount of which is not expected to exceed \$3,800,000.

Section 3. Unavailability of Long-Term Funds. No funds or payment of the Project from sources other than the Bonds are, or are reasonably expected to be, reserved, allocated on a long-term basis, or otherwise set aside by the Municipality pursuant to its budget or financial policies.

Section 4. Public Availability of Official Intent Resolution. This Declaration of

Official Intent is a public record, which shall be maintained in the files of the Municipality and is available for public inspection pursuant to subchapter II of Chapter 19 of the Wisconsin Statutes, and shall remain available for public inspection until the Bonds are issued.

Section 5. Effective Date. This resolution shall be effective upon its adoption and approval.

Approved this 15th day of June, 2026.

CITY OF PEWAUKEE

Steve Bierce, Mayor

ATTEST:

Kelly Tarczewski, City Clerk

Vote: Aye _____
Nay _____
Abstain _____
Absent _____

Posted: _____, 2026

RESOLUTION NO. 26-06-19

RESOLUTION ACKNOWLEDGING
MAGDELENE WAGNER, P.E., DIRECTOR OF PUBLIC WORKS,
AS AUTHORIZED REPRESENTATIVE FOR THE CITY OF PEWAUKEE
WELL #13 SOURCE WELL REPLACEMENT AND ALL RELATED ACTIVITIES

WHEREAS, the City of Pewaukee, Waukesha County, Wisconsin (the "Municipality") plans to undertake a Source Well Replacement (the "Project"); and

WHEREAS, it is necessary, desirable, and in the best interests of the Municipality to designate one person as representative for the Project;

NOW, THEREFORE, BE IT RESOLVED that the City of Pewaukee Council hereby acknowledges and appoints Magdelene Wagner, P.E., Director of Public Works, as the authorized representative for the City of Pewaukee anticipated Well #13 Source Well Replacement project and related activities as follows:

- 1) Authorized representative to the Wisconsin Department of Natural Resources including all technical and financial matters for the Well #13 Source Well Replacement project.
- 2) Authorized representative to the Environmental Protection Agency.
- 3) Authorized representative to any and all departments, agencies of corporations involved, currently or in the future, with the City of Pewaukee Well #13 Source Well Replacement project.

Presented by: _____
City Councilperson

Seconded by: _____
City Councilperson

SECTION 1: EFFECTIVE DATE.

This resolution shall take effect upon passage and posting or publication as provided by law.

Dated the 15th day of June, 2026.

CITY OF PEWAUKEE

Steve Bierce, Mayor

ATTEST:

Kelly Tarczewski, City Clerk/Treasurer

I, Kelly Tarczewski, City Clerk of the City of Pewaukee do hereby certify that the above Resolution was duly adopted by a vote of _____ in favor and _____ opposed of the City Council of the City of Pewaukee on the 15th day of June, 2026. I further certify that the above Resolution was duly posted by me in 3 public places likely to give notice of its content on the _____ day of _____.

Kelly Tarczewski, City Clerk/Treasurer

City of Pewaukee - New Agenda Item

Agenda Language:

Discussion and Possible Action Regarding The Courtyard [Wagner]

1. Approve the Developer's Agreement
2. Approve the Financial Guarantee value of \$675,000.

Sub Item Agenda Language:

Background Provided By:

Magdelene Wagner

Background:

The Courtyard of Pewaukee is moving forward with their development along Golf Road. There are public improvements as part of their development and therefore a Developer's Agreement is required. We are recommending a financial guarantee of \$675,000 for the public improvements.

Fiscal Impact:

Recommended Motion:

Council approve the Developer's Agreement and financial guarantee contingent on final approval by the City Engineer and City Attorney.

DEVELOPER'S AGREEMENT
FOR
The Courtyard at Pewaukee
CITY OF PEWAUKEE, WAUKESHA COUNTY, WISCONSIN

THIS AGREEMENT made this _____ day of _____, _____, between Pewaukee Golf Road LLC, a Wisconsin limited liability company, 3529 Heards Ferry Dr., Tampa, FL33618, hereinafter called "DEVELOPER", and the CITY of PEWAUKEE in the County of Waukesha and the State of Wisconsin, hereinafter called the "CITY".

WITNESSETH:

WHEREAS, the DEVELOPER is the owner of land in the CITY, said land being described on **EXHIBIT A** attached hereto and incorporated herein, hereinafter called "SUBJECT LANDS"; and

WHEREAS, the DEVELOPER desires to divide and develop SUBJECT LANDS for residential purposes, in particular, a single 67,500+/- CBRF (the "Building") by use of the standard regulations as set forth in Chapter 236 of the Wisconsin Statutes and the municipal ordinance regulating land division and development; and

WHEREAS, Section 236.13 of the Wisconsin Statutes provides that as a condition of approval, the governing body of a municipality within which the SUBJECT LANDS lie may require that the DEVELOPER make and install any public improvements reasonably necessary and/or that the DEVELOPER provide financial security to ensure that the DEVELOPER will make these improvements within a reasonable time; and

WHEREAS, said SUBJECT LANDS are presently zoned **R-3**, which allows the above-described development; and

WHEREAS, the DEVELOPER may be required to grant additional easements over a part of the SUBJECT LANDS for sanitary sewer, storm sewer and water; and

WHEREAS, the DEVELOPER and CITY desire to enter into this agreement in order to ensure that the DEVELOPER will make and install all public improvements which are reasonably necessary and further that the DEVELOPER shall dedicate the public improvements to the CITY, provided that said public improvements are constructed to municipal specifications, all applicable government regulations, this agreement and as required by the CITY Engineer, without cost to the CITY; and

WHEREAS, this agreement is necessary to implement the CITY zoning and land division ordinances; and

WHEREAS, the DEVELOPER agrees to develop SUBJECT LANDS as herein described in accordance with this agreement, conditions approved by the CITY Plan Commission and CITY Common council, conditions of certain agencies and individuals in the County, all CITY ordinances and all laws and regulations governing said development; and

WHEREAS, the Plan Commission of the CITY has given conditional approval to the development, as shown on the document marked "Preliminary Plan" on file in the

CITY Clerk's office, conditioned in part upon the DEVELOPER and the CITY entering into a DEVELOPER's Agreement, as well as other conditions as approved by the CITY Common council; and

WHEREAS, the DEVELOPER is now seeking from the Plan Commission and CITY Common council of the CITY final plan approval for the development.

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, the DEVELOPER does hereby agree to develop SUBJECT LANDS as follows and as otherwise regulated by CITY ordinances and all laws and regulations governing said development, the parties hereto agree as follows:

DEVELOPER'S COVENANTS

SECTION I. IMPROVEMENTS

A. **PUBLIC STREETS**: The DEVELOPER hereby agrees that:

1. Prior to the start of construction of improvements, the DEVELOPER shall provide to the CITY written certification from the DEVELOPER'S Engineer or Surveyor that all public street plans are in conformance with all federal, state, county and CITY specifications, regulations and ordinances, and written proof from the CITY Engineer evidencing review and approval of said plans.
2. The DEVELOPER shall grade and install all planned public streets in accordance with the , approved development plan of said development and the plans and specifications on file in the CITY Clerk's office.
3. Construction of the public streets providing access to and fronting the Building will be completed, presented and accepted by the CITY Common council through the first lifts of asphalt before any permits are issued for the Building
4. The first lifts of the public streets will be completed and presented to the CITY Common council no later than _____, or as extended by the CITY Common council. If the public street plan is phased pursuant to a phasing plan approved by the CITY Common council, the first lifts of the second phase of the public streets will be completed and presented to the CITY Common council no later than _____, or as extended by the CITY Common council.
5. The final lift of asphalt shall be placed on all public streets after at least one winter season, but not later than _____, unless extended by the CITY Common Council.
6. The DEVELOPER shall maintain public streets, including snowplowing, unless otherwise approved by the CITY Administrator, until accepted by resolution by the CITY Common council.
7. The DEVELOPER shall pay for "as built" plans showing changes from the construction plans, pursuant to specifications approved by the CITY Engineer. Said "as built" shall be on reproducible mylar and digital file and shall include field

locations and hydrant valves and curb stops, if any. The CITY will produce the as built at Developer's cost.

8. Contractors working on the development are required to clean up all mud, dirt, stone or debris on the streets no later than the end of each working day. In addition, the DEVELOPER shall have ultimate responsibility for cleaning up any and all mud, dirt, stone or debris on the streets until such time as the final lift of asphalt has been installed by the DEVELOPER and accepted by the CITY Common council. The CITY shall make a reasonable effort to require the contractor, who is responsible for placing the mud, dirt, stone or debris on the street, to clean up the same or to hold the subject property owner who hired the contractor responsible. The DEVELOPER and/or subject property owner shall clean up the streets within twenty-four (24) hours after receiving a notice from the CITY. If said mud, dirt, stone or debris are not cleaned up after notification, the CITY will do so at the DEVELOPER's and/or subject property owner's expense, at the option of the CITY.
9. Developer is not allowed to access the City streets for construction traffic. All access must be from Golf Road (CTH DR).

B. SANITARY SEWER: The DEVELOPER hereby agrees:

1. Prior to the start of construction of improvements, DEVELOPER shall provide to the CITY written certification from the DEVELOPER's Engineer that the sanitary sewer plans are in conformance with all Federal, State and CITY specifications, regulations, ordinances and guidelines and written proof that the CITY Engineer has approved said plans.
2. To construct, furnish, install and provide a complete sewerage system for the SUBJECT LANDS, all in accordance with the plans, specifications and drawings on file in the CITY Clerk's office and all applicable Federal, State and CITY ordinances, specifications, regulations and guidelines for the construction of sewerage systems in the CITY and as approved by the CITY Engineer.
3. To clean all sanitary sewers in the SUBJECT LANDS prior to acceptance of the improvements and issuance of building permits by the CITY.
4. To furnish "as built" plans of the sanitary sewage system for the SUBJECT LANDS, including locations of laterals the parcel line, pursuant to specifications approved by the CITY Engineer prior to the issuance of building permits.
5. To televise the sanitary sewer system for the SUBJECT LANDS, repair any defects as determined by the CITY Engineer, supply the video tape to the CITY and clean all sewer lines prior to the issuance of building permits and acceptance of the improvements by the CITY.
6. That no building permits shall be issued until the sanitary sewer system for the SUBJECT LANDS has been dedicated to and accepted by the CITY.

C. WATER: The DEVELOPER hereby agrees:

1. Prior to the start of construction of improvements, DEVELOPER shall provide to the CITY written certification from the DEVELOPER's Engineer that the water system plans are in conformance with all Federal, State and CITY specifications, regulations, ordinances and guidelines and written proof that the CITY Engineer has approved said plans.
2. To construct, furnish, install and provide a complete water system for the SUBJECT LANDS, all in accordance with the plans, specifications and drawings on file in the CITY Clerk's office and all applicable Federal, State and CITY ordinances, specifications, regulations and guidelines for the construction of water systems in the CITY and as approved by the CITY Engineer.
3. The DEVELOPER shall furnish "as built" plans showing changes from the construction plans, pursuant to specifications approved by the CITY Engineer. Subject to intellectual property rights, said "as built" plans shall be on reproducible mylar and digital file, and shall include field locations and hydrant valves and curb stops, if any.
4. That no building permits shall be issued until the water system for the SUBJECT LANDS has been dedicated to and accepted by the CITY.

D. SURFACE AND STORM WATER DRAINAGE: The DEVELOPER hereby agrees that:

1. Prior to the start of construction of improvements, the DEVELOPER shall provide to the CITY written certification from the DEVELOPER'S Engineer or Surveyor that all surface and storm water drainage facilities and erosion control plans are in conformance with all federal, state, county and CITY regulations, guidelines, specifications, laws and ordinances, and written proof that the CITY Engineer and the Waukesha County Department of Park and Land Use, Land Resources Division, if applicable, have reviewed and approved said plans.
2. The DEVELOPER shall construct, install, furnish and provide adequate facilities for surface and storm water drainage throughout the development with adequate capacity to transmit the anticipated flow from the development and adjacent property, in accordance with all plans and specifications on file in the CITY Clerk's office, and all applicable federal, state, county and CITY regulations, guidelines, specifications, laws and ordinances, and as reviewed and approved by the CITY Engineer and the Waukesha County Department of Park and Land Use, Land Resources Division, if applicable, including where necessary as determined by the CITY Engineer, curb, gutter, storm sewers, catch basins and infiltration/retention/detention basins.
3. The DEVELOPER agrees that the site grading and construction of surface and storm water drainage facilities shall be completed and accepted by the CITY Common council before any building permits are issued.
4. To maintain roads free from mud and dirt from construction of the development.
5. The CITY Common council will not accept the surface and storm water drainage system until the entire system is installed and landscaped in accordance with plans and specifications to the satisfaction of the CITY Engineer.

6. The DEVELOPER shall clean all storm sewers, if any, prior to issuance of building permits and acceptance of improvements by the CITY Common council.
7. The CITY retains the right to require DEVELOPER to install additional surface and storm water drainage measures if it is determined by the CITY Engineer that the original surface and storm water drainage plan as designed and/or constructed does not provide reasonable stormwater drainage within the development and surrounding area.
8. To furnish "as built" plans of the entire drainage system, pursuant to specifications approved by the CITY Engineer prior to the issuance of building permits, if required by the CITY Engineer.

E. GRADING, EROSION AND SILT CONTROL: The DEVELOPER hereby agrees that:

1. Prior to commencing site grading and excavation, the DEVELOPER shall provide to the CITY written certification from the DEVELOPER'S Engineer or Surveyor that said plan, once implemented, shall meet all federal, state, county and local regulations, guidelines, specifications, laws and ordinances, including proof of notification of land disturbances to the State of Wisconsin Department of Natural Resources, if applicable, and written proof that the CITY Engineer and the Waukesha County Department of Park and Land Use, Land Resources Division, and the Army Corps of Engineers, if applicable, have approved said plans.
2. The DEVELOPER shall cause all grading, excavation, open cuts, side slopes and other land surface disturbances to be so seeded and mulched, sodded or otherwise protected that erosion, siltation, sedimentation and washing are prevented in accordance with the plans and specifications reviewed and approved by the CITY Engineer, the Waukesha County Department of Park and Land Use, Land Resources Division, and Army Corps of Engineers, if applicable.
3. All disturbed areas shall be restored to the satisfaction of the CITY Engineer within seven (7) days of disturbance. Any cash or letter of credit posted with the CITY will not be released until the CITY Engineer is satisfied that no further erosion measures are required.

F. LANDSCAPING AND SITE WORK: The DEVELOPER hereby agrees that:

1. The DEVELOPER shall preserve to the maximum extent possible existing trees, shrubbery, vines, and grasses not actually lying on the public streets, drainageways, building foundation sites, private driveways, soil absorption waste disposal areas, paths and trails by use of sound conservation practices.
2. The DEVELOPER, as required by the CITY, shall remove and lawfully dispose of buildings, destroyed trees, brush, tree trunks, shrubs and other natural growth and all rubbish.
3. Landscaping and removal of unwanted items, including buildings, will be completed and certified as complete by the CITY Engineer prior to the issuance of any building permits.

4. The DEVELOPER shall delineate all wetlands that are on the parcel by means of cedar posts every 20 feet, as approved by the CITY staff prior to the issuance of building permits.
5. The CITY has the right to trim and remove any features which would interfere with safe operation and maintenance of the CITY right-of-ways and drainageways.

G. STREET SIGNS AND TRAFFIC CONTROL SIGNS: The DEVELOPER hereby agrees that:

1. Street signs, traffic control signs, culverts, posts and guard rails as required by the CITY shall be obtained and placed by the CITY, or by the DEVELOPER with approval of the CITY, and the cost thereof shall be paid by the DEVELOPER.
2. All traffic control signs and street signs, as required by the CITY will be installed within five (5) working days of the placement of the first lifts of asphalt.

H. STREET LIGHTS: The DEVELOPER hereby agrees to install a street lighting system in the development according to a plan prepared by the Wisconsin Electric Power Company and on file with the CITY Clerk and approved by the CITY prior to issuance of building permits unless waived by CITY Staff.

I. ADDITIONAL IMPROVEMENTS:

The DEVELOPER hereby agrees that if, at any time after plan approval and during construction, the CITY Engineer determines that modifications to the plans including additional improvements such as additional drainage ways, erosion control measures, and surface and storm water management measures are necessary in the interest of public safety, are necessary in order to comply with current laws or are necessary for implementation of the original intent of the improvement plans, the CITY is authorized to order DEVELOPER, at DEVELOPER'S expense, to implement the same. If DEVELOPER fails to construct the additional improvement within a reasonable time under the circumstances, the CITY may cause such work to be carried out and shall charge against the financial guarantee held by the CITY pursuant to this agreement.

SECTION II. TIME OF COMPLETION OF IMPROVEMENTS:

The improvements set forth in Section I above shall be completed by the DEVELOPER in total within twelve (12) months of the date of this agreement being signed except as otherwise provided for in this agreement.

SECTION III. FINAL ACCEPTANCE.

Throughout this agreement, various stages of the development will require approval by the CITY. "Final Acceptance" as used herein, however, shall be the ultimate acceptance of all of the improvements in the completed development as a whole, and shall be granted specifically by separate resolution of the CITY Common council. The two-year guarantee period provided for in this agreement shall not commence to run until Final Acceptance. The issuance of building permits and approval of various items of development shall not commence the two-year guarantee period.

SECTION IV. DEDICATION OF IMPROVEMENTS:

Subject to all of the other provisions of this agreement, the DEVELOPER shall, without charge to the CITY, upon completion of the above described improvements, unconditionally give, grant, convey and fully dedicate the public improvements to the CITY, its successors and assigns, forever, free and clear of all encumbrances whatever, together with and including, without limitation because of enumeration, any and all land, buildings, structures, mains, conduits, pipes, lines, plant machinery, equipment, appurtenances and hereditaments which may in any way be a part of or pertain to such improvements and together with any and all necessary easements for access thereto. After such dedication, the CITY shall have the right to connect or integrate other improvements as the CITY decides, with no payment or award to, or consent required of, the DEVELOPER.

Dedication shall not constitute acceptance of any improvement by the CITY Common council. All improvements will be accepted by the CITY Common council by separate resolution at such time as such improvements are in acceptable form and according to the CITY specifications. Said resolution shall be recorded, if needed, with the Waukesha County Register of Deeds. DEVELOPER will furnish proof to the CITY, prior to the dedication required, that the public land and improvements proposed for dedication are free of all liens, claims and encumbrances, including mortgages.

SECTION V. ACCEPTANCE OF WORK AND DEDICATION:

When the DEVELOPER shall have completed the improvements herein required and shall have dedicated the same to the CITY as set forth herein, the same shall be accepted by the CITY Common council if said improvements have been completed as required by this agreement and as required by all federal, state, county or CITY guidelines, specifications, regulations, laws and ordinances and approved by the CITY Engineer.

SECTION VI. APPROVAL BY CITY NOT TO BE DEEMED A WAIVER.

The ultimate responsibility for the proper design and installation of streets, water facilities, drainage facilities, ditches, landscaping and all other improvements are upon the DEVELOPER. The fact that the CITY or its engineer, or its attorney, or its staff may approve a specific project shall not constitute a waiver, or relieve the DEVELOPER from the ultimate responsibility for the design, performance and function of the development and related infrastructure.

SECTION VII. GUARANTEES OF IMPROVEMENTS:

A. Guarantee. The DEVELOPER shall guarantee after Final Acceptance, the public improvements and all other improvements described in Section I hereof, against defects due to faulty materials or workmanship, provided that such defects appear within a period of two years from the date of Final Acceptance, by providing the CITY with cash or a letter of credit in a form acceptable to the CITY Attorney in an aggregate amount of ten percent (10%) of the total cost of all improvements. The DEVELOPER shall pay for any damages to CITY property and/or improvements resulting from such faulty materials or workmanship. This guarantee shall not be a bar to any action the CITY might have for negligent workmanship or materials. Wisconsin law on negligence shall govern such situations. If the DEVELOPER fails to pay for any damages or defects to CITY property and/or improvements, and the CITY is required to draw against the cash or letter of credit on file with the CITY, the DEVELOPER is required

to replenish said monies up to the aggregate amount of ten percent (10%) of the total cost of all improvements.

- B. Obligation to Repair. The DEVELOPER shall make or cause to be made, at its own expense, any and all repairs which may become necessary under and by virtue of the DEVELOPER'S guarantee and shall leave the improvements in good and sound condition, satisfactory to the CITY Common council at the expiration of the guarantee period.
- C. Notice of Repair. If during said guarantee period, the improvements shall, in the reasonable opinion of the CITY Staff, require any repair or replacement which, in their judgment, is necessitated by reason of settlement of foundation, structure of backfill, or other defective materials or workmanship, the DEVELOPER shall, upon notification by the CITY the necessity for such repair or replacement, make such repair or replacement, at its own cost and expense. Should the DEVELOPER fail to make such repair or replacement within the time specified by the CITY in the aforementioned notification, after notice has been sent as provided herein, the CITY Common council may cause such work to be done, but has no obligation to do so, either by contract or otherwise, and the CITY Common council may draw upon such guarantee security to pay any costs or expenses incurred in connection with such repairs or replacements. Should the costs or expenses incurred by the CITY Common council in repairing or replacing any portion of the improvements covered by this guarantee exceed the amount of the guarantee security, then the DEVELOPER shall immediately pay any excess cost or expense incurred in the correction process.
- D. Maintenance Prior to Acceptance.
1. All improvements shall be maintained by the DEVELOPER so they conform to the approved plans and specifications at the time of their Final Acceptance by the CITY Common council. This maintenance shall include routine maintenance, such as crack filling, roadway patching and the like. In cases where emergency maintenance is required, the CITY Common council retains the right to complete the required emergency maintenance in a timely fashion and bill the DEVELOPER for all such associated costs. Said bill shall be paid immediately by the DEVELOPER. The DEVELOPER'S obligation to maintain all improvements shall expire at the expiration of the guarantee period.
 2. Street sweeping and dust suppression shall be done by the DEVELOPER upon a regular basis as needed to ensure a reasonably clean and safe roadway until Final Acceptance by the CITY Common council. Should the DEVELOPER fail to meet this requirement, the CITY Common council will cause the work to be done and will bill the DEVELOPER on a time and material basis. Said bill shall be paid immediately by the DEVELOPER.
 3. In the event drainage problems arise within the SUBJECT LANDS or related activities on the SUBJECT LANDS, the DEVELOPER shall correct such problems to the satisfaction of the CITY Staff. Such correction measures shall include, without limitation because of enumeration, cleaning of soil, loose aggregate and construction debris from culverts, drainage ditches and streets; dredging and reshaping of siltation or retention ponds; replacing of siltation fences; sodding and seeding; construction of diversion ditches, ponds and siltation traps; and restoration of all disturbed areas. This responsibility shall continue until such time

as the roads, ditches, and other disturbed areas have become adequately vegetated and the CITY Common council is satisfied that the DEVELOPER has restored all areas which were disturbed because of this development.

SECTION VIII. CITY RESPONSIBILITY FOR IMPROVEMENTS:

The CITY shall not be responsible to perform repair, maintenance, or snow plowing, unless otherwise approved by the CITY Administrator, on any improvements until accepted by the CITY Common council.

SECTION IX. RISK OF PROCEEDING WITH IMPROVEMENTS PRIOR TO APPROVALS OF FINAL PLAN:

If a DEVELOPER proceeds with the installation of public improvements or other work on the site prior to approval of the final plan, it proceeds at its own risk as to whether or not the final plan will receive all necessary approvals. The DEVELOPER, prior to commencement of the installation of public improvements or other work on site, shall notify the CITY of the DEVELOPER'S intention to proceed with the installation of public improvements or other work on site, prior to approval of the final plan. Additionally, DEVELOPER shall make arrangements to have any public improvements and/or other work on site inspected by the CITY Engineer.

SECTION X. FINANCIAL GUARANTEE:

Prior to the execution of this agreement by the CITY Common council, the DEVELOPER shall file with the CITY cash or a letter of credit setting forth terms and conditions in a form approved by the CITY Attorney in the amount as approved by the CITY Engineer as a guarantee that the DEVELOPER will perform all terms of this agreement no later than one year from the signing of this agreement except as otherwise set forth in this agreement. If at any time:

- A. The DEVELOPER is in default of any aspect of this agreement, or
- B. The DEVELOPER does not complete the installation of the improvements within one (1) year from the signing of this agreement unless otherwise extended by this agreement or by action of the CITY Common council, or
- C. The letter of credit on file with the CITY is dated to expire sixty (60) days prior to the expiration of the same if the same has not been extended, renewed or replaced, or
- D. The DEVELOPER fails to maintain a cash deposit or letter of credit in an amount approved by CITY Engineer, and in a form approved by the CITY Attorney, to pay the costs of improvements in the development, the DEVELOPER shall be deemed in violation of this agreement and the CITY Common council shall have the authority to draw upon the letter of credit.

The amount of the letter of credit may be reduced from time to time as and to the extent that the portion of work required under this Agreement is completed and paid for, provided that the remaining letter of credit is sufficient to secure payment for any remaining improvements and also provided that no reduction shall occur until it is approved in writing by the CITY Administrator.

The lending institution providing the irrevocable letter of credit shall pay to the CITY Common council all sums available for payment under the irrevocable letter of credit upon demand, subject to the terms and conditions of the irrevocable letter of credit, and upon its failure to do so, in whole or in part, the CITY shall be empowered in addition to its other remedies, without notice or hearing, to impose a special charge for the amount of said completion costs, the development payable with the next succeeding tax roll.

SECTION XI. BUILDING AND OCCUPANCY PERMITS:

It is expressly understood and agreed that no building or occupancy permits shall be issued for the Building, until the CITY Engineer has determined that:

- A. The installation of the first lifts of asphalt of the public street(s) providing access to the Building has been completed and accepted by the CITY Common council.
- B. The site grading and construction of surface and storm water drainage facilities required to serve the Building are completed, are connected with an operating system as required herein, are cleaned as needed, and are accepted by the CITY Common council.
- C. All landscaping and removal of unwanted items, including buildings, has been certified as complete by the CITY Engineer.
- D. All required grading plans have been submitted to, reviewed by and approved by the CITY Engineer.
- E. The DEVELOPER has paid in full all permit fees and reimbursement of administrative costs as required by this agreement.
- F. The DEVELOPER has prepared appropriate deed restrictions which are approved by the CITY, filed with the CITY Clerk and recorded with the Register of Deeds.
- G. All destroyed trees, brush, tree trunks, shrubs and other natural growth and all rubbish are removed from the development and disposed of lawfully.
- H. All required "as built" plans for the SUBJECT LANDS have been submitted and approved by the CITY Engineer.
- I. All public and private utilities have been installed in the SUBJECT LANDS, including street lighting fixtures (unless waived by the CITY Administrator), the sanitary sewer system, and the water system.
- J. The DEVELOPER is not in default of any aspect of this agreement.
- K. There is no default of any aspect of this agreement as determined by the CITY Administrator.
- L. The DEVELOPER has delineated the wetlands by means of cedar posts every 20 feet, as approved by the CITY Staff prior to the issuance of building permits.

SECTION XII. RESERVATION OF RIGHTS AS TO ISSUANCE OF BUILDING PERMITS:

The CITY reserves the right to withhold issuance of any and all building permits if DEVELOPER is in violation of this agreement.

SECTION XIII. MISCELLANEOUS REQUIREMENTS: The DEVELOPER shall:

A. EASEMENTS:

Provide any easements including vision easements on SUBJECT LANDS deemed necessary by the CITY Engineer. TREE PLANTING:

Trees shall be removed and planted only as approved by the CITY in accordance with the approved development plan.

B. MANNER OF PERFORMANCE:

Cause all construction called for by this agreement to be carried out and performed in a good and workerlike manner.

C. SURVEY MONUMENTS:

Properly place and install any lot, block or other monuments required by State Statute, CITY Ordinance or the CITY Engineer.

D. GRADES:

Prior to the issuance of a building permit for the Building, the DEVELOPER and/or owner and/or their agent shall furnish to the Building Inspector of the CITY a copy of the stake out survey showing the street grade, the finished yard grade, the grade of all four corners of the parcel, as existing and as proposed.

E. RESERVE CAPACITY ASSESSMENTS - SANITARY SEWER:

As provided in the CITY Land Division Ordinance, the DEVELOPER agrees to pay a reserve capacity assessment to be used for the costs of reserve capacity created by the CITY in the CITY's sanitary sewerage collection and treatment facilities for the benefit of the DEVELOPER. The municipality shall levy such assessments in conformity with this Agreement, pursuant to Chapter 66 Subchapter VII, Wisconsin Statutes. The reserve capacity assessments against the above-described property shall be in an amount established by the CITY's Land Division Ordinance and including annual increases.

The DEVELOPER hereby waives, pursuant to Section 66.0703(7)(b), Wisconsin Statutes, any and all requirements of the Wisconsin Statutes which must be met prior to the imposition of special assessments [including, but not limited to, the notice and hearing requirements of Chapter 66 Subchapter VII] and agrees that the municipality may proceed immediately to levy the special assessments as outlined herein.

The DEVELOPER further waives its right to appeal from the special assessments and stipulates that the amount of special assessment levied against its property has been determined on a reasonable basis and that the benefits to its property from the proposed improvements exceed the amount of the special assessment against such property. In addition, the DEVELOPER waives its right under Section 66.0627 and agrees to promptly pay any special charges which may be levied against its property.

The municipality shall levy such assessments in conformity with this Agreement, pursuant to Chapter 66 Subchapter VII and Section 66.0627, Wisconsin Statutes.

F. RESERVE CAPACITY ASSESSMENTS - WATER:

The DEVELOPER agrees to pay a reserve capacity assessment as required in Section 22.23(2)(b) and other relevant sections of the CITY Code, to be used for the costs of reserve capacity created by the CITY in the CITY's water system for the benefit of the DEVELOPER. The municipality shall levy such assessments in conformity with this Agreement, pursuant to Chapter 66 Subchapter VII, Wisconsin Statutes. The reserve capacity assessments against the above-described property shall be an amount established in the CITY's Land Division Ordinance and is subject to annual increases.

The DEVELOPER hereby waives, pursuant to Section 66.0703(7)(b), Wisconsin Statutes, any and all requirements of the Wisconsin Statutes which must be met prior to the imposition of special assessments [including, but not limited to, the notice and hearing requirements of Chapter 66 Subchapter VII] and agrees that the municipality may proceed immediately to levy the special assessments as outlined herein. The DEVELOPER further waives its right to appeal from the special assessments and stipulates that the amount of the special assessments levied against its property has been determined on a reasonable basis and that the benefits to its property from the proposed improvements exceed the amount of the special assessment against such property.

In addition, the DEVELOPER waives its rights under Section 66.0627 and agrees to promptly pay any special charges which may be levied against its property. The municipality shall levy such assessments in conformity with this Agreement, pursuant to Chapter 66 Subchapter VII and Section 66.0627, Wisconsin Statutes.

G. UNDERGROUND UTILITIES:

Install all electrical, telephone, cable and gas utilities underground. Coordination of installation and all costs shall be the responsibility of the DEVELOPER.

H. PERMITS:

Provide and submit to the CITY requesting the same, valid copies of any and all governmental agency permits.

I. REMOVAL OF TOPSOIL:

The DEVELOPER agrees that no topsoil shall be removed from the SUBJECT LANDS without approval from the CITY Engineer.

J. PARK AND PUBLIC SITE DEDICATION FEES:

To pay as provided in the CITY'S Ordinances, in lieu of dedication of lands for park and public sites. The fee for the entire development shall be paid prior to final approval of the final plan.

K. DIGGERS HOTLINE.

Developer shall become a member of Diggers Hotline and provide evidence of such membership to the CITY Clerk before commencement of any land disturbing activities on the Subject Lands. Developer shall maintain said membership until all subsurface Improvements required under Section I have been finally accepted by the CITY as provided in Section III.

L. PREVAILING WAGE RATES AND HOURS OF LABOR:

If any aspect of the development involves a project of public works that is regulated by Wisconsin Statutes Section 66.0903 or 66.0904 then: (1) The Developer shall pay wage rates not less than the prevailing hourly wage rate as described and regulated pursuant to such statutes and related laws; and (2) The Developer shall comply with the prevailing hours of labor as described and regulated pursuant to such statutes and related laws; and (3) The Developer shall fully comply with the reporting obligations, and all other requirements of such laws; and (4) The Developer shall ensure that the Developer's subcontractors also fully comply with such laws. The Developer's General Indemnity obligation of this Agreement shall apply to any claim that alleges that work contemplated by this Agreement is being done, or has been done, in violation of prevailing wage rates, prevailing hours of labor, or Wisconsin Statutes Section 66.0903 or 66.0904, for any work arising out of this agreement.

M. NOISE:

Make every effort to minimize noise, dust and similar disturbances, recognizing that the SUBJECT LANDS are located near existing residences. Construction of improvements shall not begin before 7:00 a.m. during weekdays and 8:00 am Saturdays. No work is allowed on Sundays. Construction of improvements shall not continue beyond 7:00 p.m. during weekdays and Saturdays, or at dusk whichever is earlier..

N. DEBRIS:

Have ultimate responsibility for cleaning up debris that has blown from buildings under construction within the SUBJECT LANDS until such time as all improvements have been installed and accepted by the CITY Common council. The CITY shall make a reasonable effort to require the contractor, who is responsible for the debris, to clean up the same or to hold the subject property owner who hired the contractor responsible. The DEVELOPER and/or subject property owner shall clean up the debris within forty-eight (48) hours after receiving a notice from the CITY Engineer. If said debris is not cleaned up after notification, the CITY will do so at the DEVELOPER'S and/or subject property owner's expense.

O. DUTY TO CLEAN ROADWAYS:

The DEVELOPER shall be responsible for cleaning up the mud and dirt on the roadways until such time as the final lift of asphalt has been installed. The DEVELOPER shall clean the roadways within forty-eight (48) hours after receiving a notice from the CITY Engineer. If said mud, dirt and stone is not cleaned up after notification, the CITY will do so at the DEVELOPER's expense. The CITY will do its

best to enforce existing ordinances that require builders to clean up their mud from construction.

P. PUBLIC CONSTRUCTION PROJECTS:

If any aspect of the development involves a public construction project subject to the State law, all requirements of the State Public Construction Bidding Law must be satisfied, including but not limited to, providing a performance bond.

Q. ZONING CODE:

The DEVELOPER acknowledges that the lands to be developed are subject to the CITY Zoning Code.

SECTION XIV. PAYMENT OF COSTS, INSPECTION & ADMINISTRATIVE FEES:

The DEVELOPER shall pay and reimburse the CITY promptly upon billing for all fees, expenses, costs and disbursements which shall be incurred by the CITY in connection with this development or relative to the construction, installation, dedication and acceptance of the development improvements covered by this agreement, including without limitation by reason of enumeration, design, engineering, review, supervision, inspection and legal, administrative and fiscal work. CITY employee costs shall be based on regular CITY pay rates (or Engineering and administrative overtime, if applicable) plus 40% on the hourly rate for overhead and fringe benefits for any time actually spent on the project. Any costs for outside consultants shall be charged at the rate the consultant charges the CITY. Any such charge not paid by DEVELOPER within thirty (30) days of being invoiced may be charged against the financial guarantee held by the CITY pursuant to this agreement or assessed against the development land as a special charge pursuant to §66.0627, Wis. Stats.

SECTION XV. GENERAL INDEMNITY:

In addition to, and not to the exclusion or prejudice of, any provisions of this agreement or documents incorporated herein by reference, the DEVELOPER shall indemnify and save harmless and agrees to accept tender of defense and to defend and pay any and all legal, accounting, consulting, engineering and other expenses relating to the defense of any claim asserted or imposed upon the CITY, its officers, agents, employees and independent contractors growing out of this agreement by any party or parties. The DEVELOPER shall also name as additional insureds on its general liability insurance the CITY, its officers, agents, employees and any independent contractors hired by the CITY to perform services as to this development and give the CITY evidence of the same upon request by the CITY.

SECTION XVI. CITY RESPONSIBILITY:

A. The CITY agrees to allow the DEVELOPER to connect to the CITY's municipal water system and Lake Pewaukee Sanitary District 's sewerage system (subject to written approval of Lake Pewaukee Sanitary District) at such time as the water system and sanitary sewer system required herein has been dedicated to and accepted by the CITY.

SECTION XVII. INSURANCE:

The DEVELOPER, its contractors, suppliers and any other individual working on the SUBJECT LANDS in the performance of this agreement shall maintain at all times until the expiration of the guarantee period, insurance coverage in the forms and in the amounts as required by the CITY.

SECTION XVIII. EXCULPATION OF CITY CORPORATE AUTHORITIES:

The parties mutually agree that the CITY President of the CITY Common council, and/or the CITY Clerk, entered into and are signatory to this agreement solely in their official capacity and not individually, and shall have no personal liability or responsibility hereunder; and personal liability as may otherwise exist, being expressly released and/or waived.

SECTION XIX. GENERAL CONDITIONS AND REGULATIONS:

All provisions of the CITY Ordinances are incorporated herein by reference, and all such provisions shall bind the parties hereto and be a part of this agreement as fully as if set forth at length herein. This agreement and all work and improvements required hereunder shall be performed and carried out in strict accordance with and subject to the provisions of said Ordinances.

SECTION XX. ZONING:

The CITY does not guarantee or warrant that the SUBJECT LANDS will not at some later date be rezoned, nor does the CITY herewith agree to rezone the lands into a different zoning district. It is further understood that any rezoning that may take place shall not void this agreement.

SECTION XXI. COMPLIANCE WITH CODES AND STATUTES:

The DEVELOPER shall comply with all current and future applicable codes of the CITY, County, State and federal government and, further, DEVELOPER shall follow all current and future lawful orders of any and all duly authorized employees and/or representatives of the CITY, County, State or federal government.

SECTION XXII. AGREEMENT FOR BENEFIT OF PURCHASERS:

The DEVELOPER agrees that in addition to the CITY'S rights herein, the provisions of this agreement shall be for the benefit of the purchaser of the SUBJECT LANDS.

SECTION XXIII. ASSIGNMENT:

The DEVELOPER shall not assign this agreement without the written consent of the CITY. The assignee must agree to all terms and conditions of this document in writing.

SECTION XXIV. PARTIES BOUND:

The DEVELOPER or its assignees shall be bound by the terms of this agreement or any part herein as it applies to any phase of the development.

SECTION XXV. HEIRS & ASSIGNS:

This agreement is binding upon the DEVELOPER, owners, their successors and assigns, and any and all future owners of the SUBJECT LANDS.

SECTION XXVI. AMENDMENTS:

The CITY and the DEVELOPER, by mutual consent, may amend this Developer's Agreement at any meeting of the CITY Common council. The CITY shall not, however, consent to an amendment until after first having received a recommendation from the CITY'S Plan Commission.

IN WITNESS WHEREOF, the DEVELOPER and the CITY have caused this agreement to be signed by their appropriate officers and their corporate seals (if any) to be hereunto affixed in three original counterparts the day and year first above written.

Pewaukee Golf Road LLC

By: _____

By: _____

Authorized Signatory

STATE OF WISCONSIN)

)ss.

COUNTY OF (County))

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

NOTARY PUBLIC, STATE OF WI
My commission expires: _____

CITY OF PEWAUKEE
WAUKESHA COUNTY, WISCONSIN

MAYOR

CLERK

STATE OF WISCONSIN)

)ss.

COUNTY OF WAUKESHA)

Personally came before me this _____ day of _____, _____, the above-named _____, Mayor, and _____, Clerk, of the above-named municipal corporation, to me known to be the persons who executed the foregoing instrument and to me known to be such Mayor and Clerk of said municipal corporation and acknowledged that they executed the foregoing instrument as such officers as the deed of said municipal corporation by its authority and pursuant to the authorization by the CITY Common council from their meeting on the _____ day of _____, _____.

NOTARY PUBLIC, STATE OF WI
My commission expires: _____

APPROVED AS TO FORM:

CITY Attorney

As Revised June 9, 2026

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ONSITE CIVIL ENGINEERING INFRASTRUCTURE PLANS

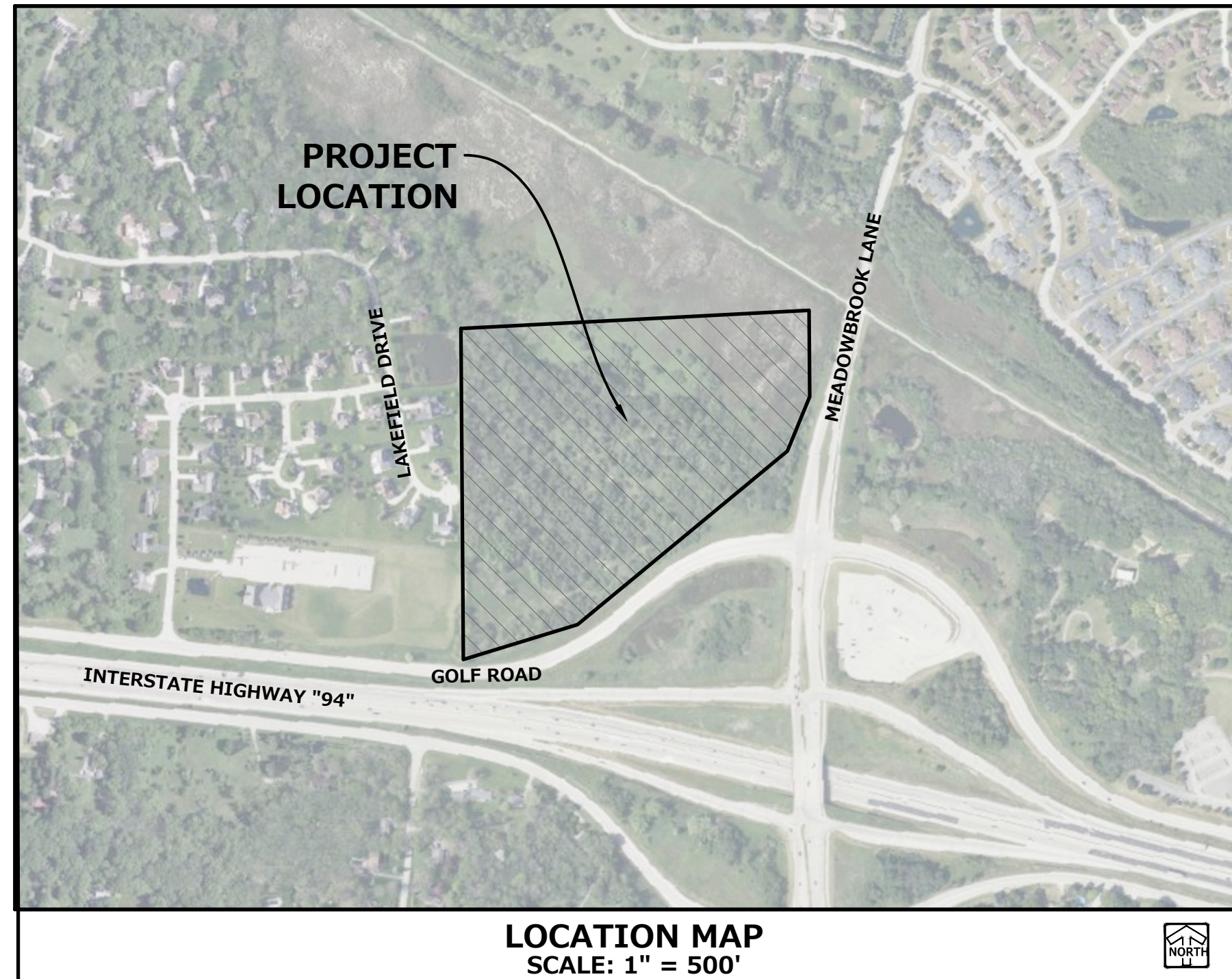
FOR

PROPOSED CBRF

N15 W27110 GOLF RD CITY OF PEWAUKEE, WI 53072

PLANS PREPARED FOR PEWAUKEE GOLF ROAD, LLC

3529 HEARDS FERRY DR. TAMPA, FL 33618



LEGEND		
	EXISTING	PROPOSED
SANITARY SEWER MANHOLE	⊙	⊙
STORM SEWER MANHOLE	⊙	⊙
STORM SEWER AREA DRAIN	⊙	⊙
STORM SEWER INLET (ROUND CASTING)	○	○
STORM SEWER INLET (RECTANGULAR CASTING)	□	□
PRECAST FLARED END SECTION	△	△
CONCRETE HEADWALL	▽	▽
VALVE VAULT	⊕	⊕
VALVE BOX	⊕	⊕
FIRE HYDRANT	⊕	⊕
BUFFALO BOX	⊕	⊕
CLEANOUT	⊕	⊕
SANITARY SEWER	—	—
FORCE MAIN	—	—
STORM SEWER	—	—
DRAIN TILE	—	—
WATER MAIN	—	—
UTILITY CROSSING	—	—
LIGHTING	—	—
ELECTRICAL CABLE	—	—
OVERHEAD WIRES	—	—
CAUTION EXISTING UTILITIES NEARBY	—	—
ELECTRICAL TRANSFORMER OR PEDESTAL	—	—
POWER POLE	—	—
POWER POLE WITH LIGHT	—	—
STREET SIGN	—	—
GAS MAIN	—	—
TELEPHONE LINE	—	—
CONTOUR	—	—
SPOT ELEVATION	—	—
WETLANDS	—	—
FLOODWAY	—	—
FLOODPLAIN	—	—
HIGH WATER LEVEL (HWL)	—	—
NORMAL WATER LEVEL (NWL)	—	—
DIRECTION OF SURFACE FLOW	—	—
DITCH OR SWALE	—	—
DIVERSION SWALE	—	—
OVERFLOW RELIEF ROUTING	—	—
TREE WITH TRUNK SIZE	—	—
SOIL BORING	—	—
TOPSOIL PROBE	—	—
FENCE LINE, TEMPORARY SILT	—	—
FENCE LINE, WIRE	—	—
FENCE LINE, CHAIN LINK OR IRON	—	—
FENCE LINE, WOOD OR PLASTIC	—	—
CONCRETE SIDEWALK	—	—
CURB AND GUTTER	—	—
DEPRESSED CURB	—	—
REVERSE PITCH CURB & GUTTER	—	—
EASEMENT LINE	—	—

ABBREVIATIONS			
BL	BASE LINE	NWL	NORMAL WATER LEVEL
C	LONG CHORD OF CURVE	PC	POINT OF CURVATURE
C & G	CURB AND GUTTER	PT	POINT OF TANGENCY
CB	CATCH BASIN	PVI	POINT OF VERTICAL INTERSECTION
CL	CENTERLINE	R	RADIUS
D	DEGREE OF CURVE	ROW	RIGHT-OF-WAY
EP	EDGE OF PAVEMENT	SAN	SANITARY SEWER
FF	FINISHED FLOOR	ST	STORM SEWER
FG	FINISHED GRADE	T	TANGENCY OF CURVE
FL	FLOW LINE	TB	TOP OF BANK
FP	FLOODPLAIN	TC	TOP OF CURB
FR	FRAME	TF	TOP OF FOUNDATION
FW	FLOODWAY	TP	TOP OF PIPE
HWL	HIGH WATER LEVEL	TS	TOP OF SIDEWALK
INV	INVERT	TW	TOP OF WALK
L	LENGTH OF CURVE	WM	WATER MAIN
MH	MANHOLE	Δ	INTERSECTION ANGLE
NTS	NOT TO SCALE		

REQUIRED SUBMITTALS FOR RECORDS	
1.	WATER MAIN PIPE FITTINGS
2.	SANITARY SEWER
3.	STORM SEWER
4.	SUBGRADE STABILIZATION (IF APPLICABLE)

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REQUIRED SUBMITTALS FOR APPROVAL	
1.	ASPHALT PAVEMENTS
2.	CONCRETE PAVEMENTS (EXTERIOR)
3.	STONE BASE COURSE
4.	TRENCH BACKFILL
5.	PIPE BEDDING
6.	TIE BARS
7.	DOWEL BARS
8.	DOWEL BAR BASKETS

PROJECT TEAM CONTACTS	
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APPLICANT/OWNER: ARIEL ANBAR PEWAUKEE GOLF ROAD LLC 3529 HEARDS FERRY DR TAMPA, FL 33618 MAIN: (773) 966-8326 E-MAIL: ariel@andevgroup.com	CITY ENGINEER: MICHAELIS GABREY, P.E. CITY ENGINEER CITY OF PEWAUKEE W240N3065 PEWAUKEE RD PEWAUKEE, WI 53072 MAIN: (262) 691-0804
ARCHITECT: KENNETH KOZICZKOWSKI GANTHER CONSTRUCTION ARCHITECTURE, INC 4825 COUNTY ROAD A, OSHKOSH, WI 54901 MAIN: (920) 426-4774 E-MAIL: kkoz@ganther.com	CITY PLANNER: NICK FUCHS PLANNER & COMMUNITY DEVELOPMENT DIRECTOR W240N3065 PEWAUKEE RD PEWAUKEE, WI 53072 MAIN: (262) 691-6007 E-MAIL: fuchs@pewaukee.wi.us
SURVEYOR: JOHN KONOPACKI, P.L.S. PINNACLE ENGINEERING GROUP 20725 WATERTOWN RD, SUITE 100 BROOKFIELD, WI 53186 MAIN: (262) 754-8888 E-MAIL: john.konopacki@pinnacle-engr.com	

GENERAL NOTES	
1. THE INTENTION OF THE PLANS AND SPECIFICATIONS IS TO SET FORTH PERFORMANCE AND CONSTRUCTION MATERIAL STANDARDS FOR THE PROPER EXECUTION OF WORK. ALL WORKS CONTAINED WITHIN THE PLANS AND SPECIFICATIONS SHALL BE COMPLETED IN ACCORDANCE WITH ALL REQUIREMENTS FROM LOCAL, STATE, FEDERAL OR OTHER GOVERNING AGENCIES LAWS, REGULATIONS, JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., AND THE OWNER'S DIRECTION.	8. COMMENCEMENT OF CONSTRUCTION SHALL EXPLICITLY CONFIRM THAT THE CONTRACTOR HAS REVIEWED THE PLANS AND SPECIFICATIONS IN ENTIRETY AND CERTIFIES THAT THEIR SUBMITTED BID PROPOSAL CONTAINS PROVISIONS TO COMPLETE THE PROJECT, WITH THE EXCEPTION OF UNFORESEEN FIELD CONDITIONS; ALL APPLICABLE PERMITS HAVE BEEN OBTAINED; AND CONTRACTOR UNDERSTANDS ALL OF THE REQUIREMENTS OF THE PROJECT.
2. A GEOTECHNICAL REPORT DATED JULY 2, 2019 HAS BEEN PREPARED BY CGC, FOR THE PROJECT SITE. THE DATA ON SUB-SURFACE SOIL CONDITIONS IS NOT INTENDED AS A REPRESENTATION OR WARRANTY OF THE CONTINUITY OF SUCH CONDITIONS BETWEEN BORINGS OR INDICATED SAMPLING LOCATIONS. IT SHALL BE EXPRESSLY UNDERSTOOD THAT OWNER WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN THERE FROM BY THE CONTRACTOR. DATA IS MADE AVAILABLE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY ADDITIONAL SOILS INVESTIGATIONS THEY FEEL IS NECESSARY FOR THE PROPER EVALUATION OF THE SITE FOR PURPOSES OF PLANNING, BIDDING, OR CONSTRUCTING THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.	9. SHOULD ANY DISCREPANCIES OR CONFLICTS IN THE PLANS OR SPECIFICATIONS BE DISCOVERED AFTER THE AWARD OF CONTRACT, ENGINEER SHALL BE NOTIFIED IN WRITING IMMEDIATELY AND CONSTRUCTION OF ITEMS AFFECTED BY THE DISCREPANCIES/CONFLICTS SHALL NOT COMMENCE, OR CONTINUE, UNTIL A WRITTEN RESPONSE FROM ENGINEER/OWNER IS DISTRIBUTED. IN THE EVENT OF A CONFLICT BETWEEN REFERENCED CODES, STANDARDS, SPECIFICATIONS AND PLANS, THE ONE ESTABLISHING THE MOST STRINGENT REQUIREMENTS SHALL BE FOLLOWED.
3. THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND UNDERSTAND ALL COMPONENTS OF THE PLANS AND SPECIFICATIONS, INCLUDING FIELD VERIFYING SOIL CONDITIONS, PRIOR TO SUBMISSION OF A BID PROPOSAL.	10. THE CONTRACTOR SHALL, AT ITS OWN EXPENSE, OBTAIN ALL NECESSARY PERMITS AND LICENSES TO COMPLETE THE PROJECT. OBTAINING PERMITS, OR DELAYS, IS NOT CAUSE FOR DELAY OF THE CONTRACT OR SCHEDULE. CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS.
4. THE CONTRACTOR SHALL PROMPTLY REPORT ANY ERRORS OR AMBIGUITIES LEARNED AS PART OF THEIR REVIEW OF PLANS, SPECIFICATIONS, REPORTS AND FIELD INVESTIGATIONS.	11. THE CONTRACTOR SHALL NOTIFY ALL INTERESTED GOVERNING AGENCIES, UTILITY COMPANIES AFFECTED BY THIS CONSTRUCTION PROJECT, AND DIGGER'S HOTLINE IN ADVANCE OF CONSTRUCTION TO COMPLY WITH ALL JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., PERMIT STIPULATIONS, AND OTHER APPLICABLE STANDARDS.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE COMPUTATION OF QUANTITIES AND WORK REQUIRED TO COMPLETE THIS PROJECT. THE CONTRACTOR'S BID SHALL BE BASED ON ITS OWN COMPUTATIONS AND IN NO SUCH INSTANCE RELY ON THE ENGINEER'S ESTIMATE.	12. SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO INITIATE, INSTITUTE, ENFORCE, MAINTAIN, AND SUPERVISE ALL SAFETY PRECAUTIONS AND JOB SITE SAFETY PROGRAMS IN CONNECTION WITH THE WORK.
6. QUESTIONS/CLARIFICATIONS WILL BE INTERPRETED BY ENGINEER/OWNER PRIOR TO THE AWARD OF CONTRACT. ENGINEER/OWNER WILL SUBMIT OFFICIAL RESPONSES IN WRITING. INTERPRETATIONS PRESENTED IN OFFICIAL RESPONSES SHALL BE BINDING ON ALL PARTIES ASSOCIATED WITH THE CONTRACT. IN NO WAY SHALL WORD-OF-MOUTH DIALOG CONSTITUTE AN OFFICIAL RESPONSE.	13. CONTRACTOR SHALL KEEP THE JOBSITE CLEAN AND ORDERLY AT ALL TIMES. ALL LOCATIONS OF THE SITE SHALL BE KEPT IN A WORKING MANNER SUCH THAT DEBRIS IS REMOVED CONTINUOUSLY AND ALL RESPECTIVE CONTRACTORS OPERATE UNDER GENERAL "GOOD HOUSEKEEPING."
7. PRIOR TO START OF WORK, CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL CONDITIONS OF THE SITE, AND SHALL ACCOUNT FOR CONDITIONS THAT AFFECT, OR MAY AFFECT CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LIMITATIONS OF WORK ACCESS, SPACE LIMITATIONS, OVERHEAD OBSTRUCTIONS, TRAFFIC PATTERNS, LOCAL REQUIREMENTS, ADJACENT ACTIVITIES, ETC. FAILURE TO CONSIDER SITE CONDITIONS SHALL NOT BE CAUSE FOR CLAIM OF JOB EXTRAS.	14. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ENGINEER, AND THEIR AGENTS FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.

BENCHMARKS

REFERENCE BENCHMARK:
 CONCRETE MONUMENT WITH BRASS CAP
 AT NORTHEAST CORNER OF SE 1/4
 SECTION 19, TOWN 7 NORTH,
 RANGE 19 EAST
 ELEV: 860.08

**DATUM: NATIONAL GEODETIC VERTICAL
 DATUM OF 1929 (NGVD29)**

PLAN | DESIGN | DELIVER
 www.pinnacle-engr.com

PINNACLE ENGINEERING GROUP
 ENGINEERING | NATURAL RESOURCES | SURVEYING

WISCONSIN OFFICE:
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CHICAGO | MILWAUKEE | NATIONWIDE

PROPOSED CBRF

COVER SHEET

N15 W27110 GOLF RD PEWAUKEE, WI 53072

REVISIONS

9	CITY COMMENTS	01/09/26	13	ADDENDA #2	05/04/26
10	CITY COMMENTS	03/02/26	6	DHS SUBMITTAL	09/05/25
11	BID SET	04/13/26	7	CITY COMMENTS	11/04/25
12	ADDENDA #1	04/29/26	8	LPSD COMMENTS	12/08/25

REG JOB No. 1338-10
 REG PM MTS
 START DATE 07-27-24
 SCALE N.T.S.

SHEET C-1 C-36

COVER SHEET

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GENERAL SPECIFICATIONS FOR CONSTRUCTION ACTIVITIES

- THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, THE STANDARD SPECIFICATIONS FOR SEWER & WATER IN WISCONSIN, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT THEIR WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY- EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE MUNICIPALITY SHALL HAVE THE RIGHT TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION OF THE PUBLIC PORTIONS OF THE WORK. THE OWNER SHALL HAVE THE RIGHT TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION OF ALL PRIVATE PORTIONS OF THE WORK
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR AGENTS, ETC. FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK ON THIS PROJECT.
- SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT 1-800-242-8511 TO NOTIFY THE UTILITIES OF HIS INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
- SILT FENCE AND OTHER EROSION CONTROL FACILITIES MUST BE INSTALLED PRIOR TO CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. FOLLOW THE SEQUENCE OF CONSTRUCTION ON THE GRADING & EROSION CONTROL PLAN FOR MORE DETAILS. INSPECTIONS SHALL BE MADE WEEKLY OR AFTER EVERY RAINFALL OF 0.5" OR MORE. REPAIRS SHALL BE MADE IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EROSION CONTROL FACILITIES UNLESS THE THREAT OF EROSION HAS PASSED WITH THE APPROVAL OF THE GOVERNING AGENCY.
- ANY ADJACENT PROPERTIES OR ROAD RIGHT-OF-WAYS WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE RESTORED BY THE CONTRACTOR.
- TRASH AND DEBRIS SHALL BE NOT BE ALLOWED TO ACCUMULATE ON THIS SITE AND THE SITE SHALL BE CLEAN UPON COMPLETION OF WORK.
- THE OWNER SHALL HAVE THE RIGHT TO HAVE ALL MATERIALS USED IN CONSTRUCTION TESTED FOR COMPLIANCE WITH THESE SPECIFICATIONS.
- SPOT ELEVATIONS REPRESENT THE GRADE ON PAVEMENT SURFACE OR FLOW LINE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER/OWNER IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION.
- WORK WITH ANY ROADWAY RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPAL OFFICIAL 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 OFFICIALS. RESTORATION OF RIGHT-OF-WAY IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF GRADING. RESTORATION SHALL INCLUDE ALL ITEMS NECESSARY TO RESTORE RIGHT-OF-WAY IN-KIND INCLUDING LANDSCAPING.
- CONTRACTOR SHALL COMPLY WITH ALL WAUKESHA COUNTY CONSTRUCTION STANDARDS/ORDINANCES.
- LANDSCAPE AND TURF AREAS SHALL HAVE A MINIMUM OF 6-INCH TOPSOIL REPLACEMENT.

SPECIFICATIONS FOR GRADING & EROSION CONTROL

- THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL GRADING AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO COMPLETE THE PROJECT. CONTRACTOR SHALL NOTIFY OWNER OF THE NEED TO IMPORT OR Haul OFF SOIL. ON-SITE LOCATIONS SUITABLE FOR BORROW OR FILL MAY BE PRESENT. COORDINATE WITH OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. A GEOTECHNICAL REPORT MAY BE AVAILABLE FROM THE OWNER.
- SITE SHALL BE CLEARED TO THE LIMITS SHOWN ON THE PLANS. REMOVE VEGETATION FROM THE SITE. BURNING IS NOT PERMITTED. PROTECT TREES AND OTHER FEATURES FROM DAMAGE WITH FENCING. STOCKPILES SHALL NOT BE LOCATED CLOSER THAN 25' TO A DRAINAGE STRUCTURE OR FEATURE AND SHALL BE SURROUNDED WITH SILT FENCE.
- THE GEOTECHNICAL ENGINEER IS RESPONSIBLE FOR VERIFYING COMPACTION AND FILL PLACEMENT IN THE FIELD. THE GEOTECHNICAL ENGINEER MAY SUPERCEDE THESE SPECIFICATIONS IF THERE IS GOOD CAUSE TO DO SO. AN EXPLANATION MUST BE SUBMITTED TO THE ENGINEER IN WRITING BEFORE ANY DEVIATIONS ARE MADE.
- IF NO GEOTECHNICAL RECOMMENDATION IS AVAILABLE, THEN THE FOLLOWING SPECIFICATIONS SHALL APPLY. ALL FILL SHALL BE CONSIDERED STRUCTURAL FILL AND SHALL BE PLACED IN ACCORDANCE WITH THE FOLLOWING. THE COMPACTED FILL SUBGRADE SHALL CONSIST OF AND SHALL BE UNDERLAIN BY SUITABLE BEARING MATERIALS, FREE OF ALL ORGANIC, FROZEN OR OTHER DELETERIOUS MATERIAL AND INSPECTED AND APPROVED BY THE RESIDENT GEOTECHNICAL ENGINEER. PREPARATION OF THE SUBGRADE, AFTER STRIPPING, SHALL CONSIST OF PROOF-ROLLING TO DETECT UNSTABLE AREAS THAT MIGHT BE UNDERCUT, AND COMPACTING THE SCARIFIED SURFACE TO THE SAME MINIMUM DENSITY INDICATED BELOW. THE COMPACTED FILL MATERIALS SHALL BE FREE OF ANY DELETERIOUS, ORGANIC OR FROZEN MATTER AND SHALL HAVE A MAXIMUM LIQUID LIMIT (ASTM D-423) AND PLASTICITY INDEX (ASTM D-424) IF 30 AND 10 RESPECTIVELY, UNLESS SPECIFICALLY TESTED AND FOUND TO HAVE LOW EXPANSIVE PROPERTIES AND APPROVED BY AN EXPERIENCED SOILS ENGINEER. THE TOP TWELVE (12") INCHES OF COMPACTED FILL SHOULD HAVE A MAXIMUM THREE (3") INCH PARTICLE DIAMETER AND ALL UNDERLYING COMPACTED FILL A MAXIMUM SIX (6") INCH PARTICLE DIAMETER UNLESS SPECIFICALLY APPROVED BY AN EXPERIENCED SOILS ENGINEER. ALL FILL MATERIAL MUST BE TESTED AND APPROVED UNDER THE DIRECTION AND SUPERVISION OF AN EXPERIENCED SOILS ENGINEER PRIOR TO PLACEMENT. THE FILL IS TO PROVIDE NON-FROST SUSCEPTIBLE CHARACTERISTICS. IT MUST BE CLASSIFIED AS A CLEAN GW, GP, SW, OR SP PER UNITED SOIL CLASSIFICATION SYSTEM (ASTM D-2487) FOR STRUCTURAL FILL. THE STRUCTURAL FILL AND SCARIFIED SUBGRADE AND GRADES SHALL NOT BE LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR (ASTM D-698) WITH THE EXCEPTION TO THE TOP 12 INCHES OF PAVEMENT SUBGRADE WHICH SHALL A MINIMUM IN-SITU DENSITY OF 100 PERCENT OF THE MAXIMUM DRY DENSITY, OR 5 PERCENT HIGHER THAN UNDERLYING FILL MATERIALS. THE MOISTURE CONTENT OF COHESIVE SOIL SHALL NOT VARY BY MORE THAN +1 TO +3 PERCENT AND GRANULAR SOILS SPECIFICALLY TESTED AND FOUND TO HAVE LOW EXPANSIVE PROPERTIES AND APPROVED BY AN EXPERIENCED SOILS ENGINEER. UNLESS SPECIFICALLY APPROVED BY THE 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. MATERIAL THAT IS TOO WET TO PERMIT PROPER COMPACTION MAY BE SPREAD ON THE FILL AND PERMITTED TO DRY. DISCING, HARROWING OR PULVERIZING MAY BE NECESSARY TO REDUCE THE MOISTURE CONTENT TO A SATISFACTORY VALUE. AFTER WHICH IT SHALL BE COMPACTED. THE FINISHED SUBGRADE AREAS OF THE SITE SHALL BE COMPACTED TO 100 PERCENT OF THE STANDARD PROCTOR (ASTM D-398) MAXIMUM DENSITY.
- NO FILL SHALL BE PLACED ON A WET OR SOFT SUBGRADE. THE SUBGRADE SHALL BE PROOF-ROLLED AND INSPECTED BY THE GEOTECHNICAL ENGINEER BEFORE ANY MATERIAL IS PLACED.
- SUBGRADE TOLERANCES ARE +1" FOR LANDSCAPE AREAS AND +1/2" FOR ALL PAVEMENT AND BUILDING AREAS.
- TOPSOIL SHALL BE FREE OF DELETERIOUS MATERIALS, ROOTS, OLD VEGETATION, ROCKS OVER 2" DIAMETER AND SHALL NOT BE EXCESSIVELY CLAYEY IN NATURE. NO CLUMPS LARGER THAN 4" ARE ACCEPTABLE. TOPSOIL MAY BE AMENDED AS NEEDED WITH SAND OR COCKS TO BE LOOSE WHEN SPREAD.
- THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF TEMPORARY DITCHES OR PUMPING TO ALLEViate WATER PONDING. ANY DEWATERING SHALL NOT GO DIRECTLY TO STREAMS, CREEKS, WETLANDS OR OTHER ENVIRONMENTALLY SENSITIVE AREAS WITHOUT BEING TREATED FIRST. A DIRT BAG OR OTHER DEWATERING TREATMENT DEVICE MAY BE USED TO CAPTURE SEDIMENT FROM THE PUMPED WATER.
- CONTRACTOR IS ADVISED THAT ALL MUD AND DEBRIS MUST NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT AGENCIES. IN THE EVENT THIS OCCURS, THE ROADWAYS SHALL BE POWER SWEEP IMMEDIATELY AND ALL SEDIMENT REMOVED FROM DOWNSTREAM FACILITIES.
- ALL NEW ON-SITE SANITARY, STORM AND WATER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.

SPECIFICATIONS FOR PRIVATE UTILITIES

- BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES. IF ANY EXISTING UTILITIES ARE NOT AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR POSITIVE IDENTIFICATION.
- ALL CONNECTIONS TO EXISTING PIPES AND MANHOLES SHALL BE CORED CONNECTIONS. CONNECTIONS TO WATERMAIN SHALL BE WET TAPED WITH A STAINLESS STEEL TAPPING SLEEVE.
- PROPOSED SANITARY SEWER AND INTERNALLY CONNECTED STORM SEWER SHOWN ON THIS PLAN SHALL TERMINATE AT A POINT FIVE (5) FEET FROM THE EXTERIOR BUILDING WALL. THE EXACT LOCATION OF ALL DOWN SPOUTS CONNECTIONS SHALL BE PER THE ARCHITECTURAL PLANS.
- CONTRACTOR SHALL NOT SHUT OFF WATER OR PLUG SANITARY SEWER IN MUNICIPAL LINES WITHOUT PRIOR APPROVAL.
- MATERIALS FOR STORM SEWER SHALL BE AS FOLLOWS: STORM SEWER PIPE 48" OR LESS SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) CORRUGATED PIPE WITH AN INTEGRALLY FORMED SMOOTH WATERWAY SUCH AS ADS-N-12. FOR PIPE 10" OR LESS IN DIAMETER, SCH-40 PVC, ASTM D-3034, SDR-26, MAY ALSO BE USED, WHERE SPECIFICALLY REQUIRED, REINFORCED CONCRETE PIPE (RCP), ASTM C-76, CLASS III OR HIGHER, MAY BE USED. TRENCH SECTION SHALL BE CLASS "B" FOR PVC AND HDPE AND CLASS "C" FOR CONCRETE (PER STANDARD SPECIFICATIONS). MANHOLES AND CATCH BASINS SHALL BE: PRE CAST REINFORCED CONCRETE, ASTM C-478. CASTINGS SHALL BE HEAVY DUTY CAST IRON. AREA DRAINS SHALL BE PER DETAIL ON PLAN OR EQUIVALENT AND SHALL BE A MINIMUM OF 24" IN DIAMETER. CONNECTIONS TO EXISTING PIPES SHALL BE MADE WITH INSERTA WYE OR EQUIVALENT. LAST (3) THREE JOINTS SHALL BE RESTRAINED WITH RODS.
- MATERIALS FOR SANITARY SEWER SHALL BE AS FOLLOWS: SANITARY SEWER SHALL BE PVC, ASTM D-3034, SDR-35 WITH RUBBER GASKETED JOINTS, CONFORMING TO ASTM D-3212. TRENCH SECTIONS SHALL BE CLASS "B" BEDDING (PER STANDARD SPECIFICATIONS), CRUSHED STONE CHIPS SHALL BE USED FOR BEDDING MATERIAL. CONNECTIONS SHALL BE MADE WITH AN INSERTA WYE OR EQUIVALENT. A MINIMUM OF 6" COVER IS REQUIRED FOR ALL SANITARY SEWER.
- MATERIALS FOR WATER SERVICES AND PRIVATE HYDRANTS SHALL BE AS FOLLOWS: WATER SERVICES SHALL BE PVC, HDPE, OR DI AS ALLOWED BY MUNICIPAL CODE. PVC SHALL BE AWWA C-900. DI SHALL BE AWWA C151, CLASS 52 (OR AS REQUIRED BY LOCAL CODE). TRENCH SECTIONS SHALL BE CLASS "B" BEDDING (PER STANDARD SPECIFICATIONS), CRUSHED STONE CHIPS SHALL BE USED FOR BEDDING MATERIAL. CONNECTION SHALL BE MADE WITH A WET TAP, CORPORATE STOP AND VALVE BOX PER MUNICIPAL STANDARDS. A MINIMUM OF 6" COVER IS REQUIRED FOR ALL WATERMAIN. VALVES SHALL BE NONRISING STEM, RESILIENT SEATED GATE VALVES COMPLYING WITH AWWA C509 WITH A THREE PIECE CAST IRON VALVE BOX. INSTALL THREE FEET BLOCKS AT ALL BENDS AND TEES. DISINFECT ALL NEW LINES AND OBTAIN SAFE WATER SAMPLE PRIOR TO USE.
- EXTREME CAUTION MUST BE FOLLOWED REGARDING THE COMPACTION OF ALL UTILITY TRENCHES. MECHANICALLY COMPACTED GRANULAR BACKFILL IS REQUIRED UNDER & WITHIN 5 FEET OF ALL PAVEMENT INCLUDING SIDEWALKS. FLOODING OF BACKFILL MATERIAL IS NOT ALLOWED.
- TRACER WIRE (NO. 12 SINGLE STRAND COPPER) AND WARNING TAPE SHALL BE INSTALLED ON ALL UTILITIES IN ACCORDANCE WITH THE LOCAL AND STATE CODES. TRACER WIRE SHALL TERMINATE IN A VALVECO TERMINAL BOX AT EACH END.
- MANDREL TESTING ON SANITARY LINES AND PRESSURE TESTING ON WATERMAIN MAY BE REQUIRED BY THE OWNER OR MUNICIPALITY.
- UPON COMPLETION OF FINAL PAVING OPERATIONS, THE UTILITY CONTRACTOR SHALL ADJUST ALL PUBLIC MANHOLES, INLETS AND VALVE BOXES TO AT LEAST 3/8-INCH BELOW FINISHED GRADE.
- 45" BENDS SHALL BE USED IN PLACE OF 90° BENDS WHEREVER POSSIBLE

SPECIFICATIONS FOR PAVING

- ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS NOTED OTHERWISE. ALL UTILITY DIMENSIONS ARE TO OUTSIDE OF PIPE OR CENTER OF STRUCTURE UNLESS OTHERWISE NOTED. ALL PAVING DIMENSIONS ARE TO FACE OF CURB OR TO EDGE OF PAVEMENT, EXCEPT FOR THE SETBACK FROM PARKING LOTS, MANEUVERING LANES AND FIRE ACCESS LANES, WHERE THE SETBACK IS MEASURED FROM THE BACK OF CURB TO THE PROPERTY LINE.
- AGGREGATES USED IN THE CRUSHED STONE BASE SHALL CONFORM TO THE GRADATION REQUIREMENTS SECTIONS 301.2 AND 305.2.2 OF THE STANDARD SPECIFICATIONS. THICKNESS SHALL BE PER THE DETAIL ON THE PLANS. BASE SHALL BE 1 1/2 INCH DIAMETER LIMESTONE UNLESS NOTED OTHERWISE. RECYCLED MATERIALS MAY BE ALLOWED WITH APPROVAL FROM THE OWNER.
- SUBGRADE SHALL BE PROOFROLLED AND APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF STONE BASE. EXCAVATE UNSUITABLE AREAS AND REPLACE WITH BREAKER RUN STONE AND REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL SPECIFICATIONS.
- CITY OF PEWAUKEE SHALL PARTICIPATE IN ALL PROOF ROLLS OF THE SUBBASE AND BASE MATERIAL PLACED WITHIN THE PROPOSED ROADWAY. CONTRACTOR WILL NEED TO COMPLETE ANY EXCAVATION BELOW SUBBASE NECESSARY FOR THE PROOF ROLL TO PASS CITY REVIEW.
- EXISTING PAVEMENT SHALL BE SAWCUT IN NEAR STRAIGHT LINES TO FULL DEPTH AT ANY POINT WHERE EXISTING PAVEMENT IS REMOVED. CURB AND WALK SHALL BE REMOVED TO THE NEAREST JOINT. REMOVED PAVEMENT SHALL BE REPLACED WITH THE SAME SECTION AS EXISTING. MUNICIPAL STANDARDS MAY REQUIRE ADDITIONAL WORK.
- ASPHALT FOR PARKING AREAS AND THE PRIVATE ROAD SHALL BE PER THE DETAILS. MATERIALS AND PLACEMENT SHALL CONFORM TO THE DOT STANDARD SPECIFICATIONS, SECTION 450 AND 460 TYPE LT IS REQUIRED UNLESS NOTED OTHERWISE. A COMMERCIAL GRADE MIX MAY BE SUBSTITUTED ONLY WITH APPROVAL FROM THE OWNER.
- CONCRETE FOR CURB, DRIVEWAY, WALKS AND NON-FLOOR SLABS SHALL CONFORM TO THE SECTION 415 OF THE STANDARD SPECIFICATIONS, GRADE A. ASTM C-94, 6 BAG MIX, WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI. JOINTING SHALL BE PER SECTION 415.3 OF THE STANDARD SPECIFICATION WITH CONSTRUCTION JOINTS HAVING A MAXIMUM SPACING OF 10'. EXPANSE JOINTS SHALL BE PROVIDED EVERY 50'. CONCRETE SHALL BE FINISHED PER SECTION 415.3.8 WITH A MEDIUM BROOM TEXTURE. A CURING MEMBRANE IN CONFORMANCE WITH SECTION 415.3.12 IS REQUIRED.
- PROVIDE CONTRACTOR GRADE ACRYLIC STRIPING PAINT FOR NEW ASPHALT OR COATED ASPHALT. 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 MANUFACTURER'S SPECIFICATION, WHICHEVER IS GREATER.
- THOROUGHLY CLEAN SURFACES FREE OF DIRT, SAND, GRAVEL, OIL AND OTHER FOREIGN MATTER. CONTRACTOR RESPONSIBLE TO INSPECT EXISTING 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.

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN EPA'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 LOCAL, STATE AND FEDERAL TECHNICAL STANDARDS AND PROVISIONS IN EFFECT AT THE TIME OF CONSTRUCTION. THESE PROCEDURES AND STANDARDS SHALL BE REFERRED TO AS BEST MANAGEMENT PRACTICES (BMPs). IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF, AND UNDERSTAND, THE BMPs PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL CONTROL MEASURES AS DIRECTED BY OWNER/ENGINEER OR GOVERNING AGENCIES SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
- MODIFICATIONS TO THE APPROVED SWPPP IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF MODIFICATIONS CONFORM TO BMPs. ALL MODIFICATIONS MUST BE APPROVED BY OWNER/ENGINEER/GOVERNING AGENCY PRIOR TO DEVIATION OF THE APPROVED PLAN.
- INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, 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.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATION(S) WITH THE PROPER AUTHORITIES, PROVIDE NECESSARY FEES AND OBTAIN ALL REQUIRED APPROVALS OR PERMITS. ADDITIONAL CONSTRUCTION ENTRANCES OTHER THAN AS SHOWN ON THE PLANS MUST BE APPROVED BY THE APPLICABLE GOVERNING AGENCIES PRIOR TO INSTALLATION.
- PAVED SURFACES ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEEP AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST IMMEDIATELY AND AS REQUESTED BY THE GOVERNING AGENCIES.
- ALL EXISTING STORM SEWER FACILITIES THAT WILL COLLECT RUNOFF FROM DISTURBED AREAS SHALL BE PROTECTED TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS. ALL INLETS, STRUCTURES, PIPES, AND SWALES SHALL BE KEPT CLEAN AND FREE OF SEDIMENTATION AND DEBRIS.
- EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM 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 BMPs PRIOR TO RELEASE INTO STORM SEWER OR DITCHES.
- AT A MINIMUM, SEDIMENT BASIN AND NECESSARY TEMPORARY DRAINAGE PROVISIONS SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE BEGINNING OF SIGNIFICANT MASS GRADING OPERATIONS TO PREVENT OFFSITE DISCHARGE OF UNTREATED RUNOFF.
- IF APPLICABLE, ALL WATERCOURSES AND WETLANDS SHALL BE PROTECTED WITH DOUBLE ROW OF SILT FENCE TO PREVENT ANY DIRECT DISCHARGE FROM DISTURBED SOILS.
- 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.
- TOPSOIL STOCKPILES SHALL HAVE A BERM OR TRENCH AROUND THE CIRCUMFERENCE AND PERIMETER SILT FENCE TO CONTROL SILT. IF TOPSOIL STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IS REQUIRED.
- EROSION CONTROL MEASURES TEMPORARILY REMOVED FOR UNAVOIDABLE CONSTRUCTION ACTIVITIES SHALL BE IN WORKING ORDER IMMEDIATELY FOLLOWING COMPLETION OF SUCH ACTIVITIES OR PRIOR TO THE COMPLETION OF EACH WORK DAY, WHICH EVER OCCURS FIRST.
- MAINTAIN SOIL EROSION CONTROL DEVICES THROUGH THE DURATION OF THIS PROJECT. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. DISTURBANCES ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
- PUMPS MAY BE USED AS BYPASS DEVICES. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS. PUMP DISCHARGE SHALL BE DIRECTED INTO AN APPROVED FILTER BAG OR APPROVED SETTLING DEVICE.
- 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 TECHNICAL STANDARDS.
- ALL DISTURBED SLOPES EXCEEDING 4:1, SHALL BE STABILIZED WITH NORTH AMERICAN GREEN S758N EROSION MATTING (OR APPROVED EQUAL) AND ALL CHANNELS SHALL BE STABILIZED WITH NORTH AMERICAN GREEN C1258N (OR APPROVED EQUAL) OR APPLICATION OF AN APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES.
- 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 HISHER EXPENSE.
- 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.
- 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 OF THE GENERAL PERMIT. CONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DEFICIENT ITEMS REVEALED DURING INSPECTIONS REPAIRED/RECORDED.
- SEE ADDITIONAL DETAILS AND NOTES ON SITE STABILIZATION AND CONSTRUCTION DETAILS.

DEMOLITION NOTES

- PERMETER SILT FENCING AND CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO ANY DEMOLITION. PLEASE REFER TO GRADING AND EROSION AND SEDIMENT CONTROL PLAN SHEETS FOR FURTHER DETAILS.
- EXISTING FEATURES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR/OWNER SHALL CALL "DIGGERS' HOTLINE" PRIOR TO ANY DEMOLITION.
- CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- COORDINATE WITH ALL APPLICABLE UTILITY COMPANIES AND THE MUNICIPALITY TO PROTECT EXISTING FUNCTIONING UTILITIES, BULKHEAD/REMOVABLE CONNECTIONS AS NECESSARY, AND TO ENSURE ALL UTILITIES ARE INACTIVE PRIOR TO ANY DEMOLITION ACTIVITIES. CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO ENSURE PROTECTION OF EXISTING UTILITIES THAT ARE NOT TO BE IMPACTED. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY EXISTING UTILITIES DAMAGED AS A RESULT OF THE DEMOLITION.
- VOIDS LEFT BY REMOVAL OF FEATURES SHALL BE MODIFIED/FILLED TO PREVENT PONDING OF WATER.
- DEMOLISH AND DISPOSE EXISTING PIPING, CABLE/WIRES, STRUCTURES, OR OTHER SURFACE FEATURES INDICATED ON THE PLANS TO BE REMOVED.
- CLEARING AND GRUBBING DESIGNATIONS SHALL INCLUDE CLEARING, GRUBBING, REMOVING, AND DISPOSING OF ALL VEGETATION AND DEBRIS WITHIN THE LIMITS OF CONSTRUCTION, AS DESIGNATED ON THE PLANS. CONTRACTOR SHALL REMOVE ONLY THOSE TREES ABSOLUTELY NECESSARY TO ALLOW FOR CONSTRUCTION.
- CONTRACTOR SHALL REMOVE EXISTING FENCING IN A MANNER TO ALLOW REUSE. ANY FENCING MATERIAL TO BE REUSED IN THE CONSTRUCTION OF RELOCATED FENCE LINES SHALL BE PRESENTED TO ENGINEER FOR INSPECTION AND PROPOSED CONTRACT DEDUCT ASSOCIATED WITH REUSE OF THE SALVAGED MATERIAL. ENGINEER OR OWNER WILL PROVIDE WRITTEN ACCEPTANCE OF THE PROPOSED SALVAGED MATERIAL.
- CONTRACTOR SHALL COORDINATE WITH THE MUNICIPALITY FOR TERMINATION OF PUBLIC UTILITY CONNECTIONS TO SITE.
- CONTRACTOR SHALL COORDINATE STOCKPILE LIMITS AND LOCATIONS WITH ENGINEER/OWNER PRIOR TO DEMOLITION.

WINTER EROSION CONTROL NOTES

- GENERAL: A PROJECT INVOLVING CONSTRUCTION BETWEEN NOVEMBER 1 AND MAY 1 WILL REQUIRE MEASURES TO STABILIZE THE SITE OVER WINTER. IF THE CONSTRUCTION SITE IS NOT STABILIZED WITH PAVEMENT, GRAVEL ROAD BASE OR 70 PERCENT MATURE VEGETATIVE COVER OR RIP-RAP BY NOVEMBER 1, THEN THE SITE MUST BE PROTECTED WITH OVER-WINTER STABILIZATION PRACTICES.
- CONSIDERATIONS: WINTER EXCAVATION AND EARTHWORK ACTIVITIES SHOULD BE LIMITED IN EXTENT AND DURATION TO MINIMIZE POTENTIAL EROSION AND SEDIMENTATION IMPACTS.
 - EXPOSE ONLY AS MUCH AREA AS NECESSARY TO COMPLETE THE WORK AND CAN BE STABILIZED IN 1 DAY PRIOR TO ANY RAIN OR SNOW EVENT.
 - SUBSEQUENT WORK AREAS SHOULD NOT BE EXPOSED UNTIL THE PREVIOUSLY EXPOSED AREA HAS BEEN STABILIZED.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES INSTALLED FOR THE PROJECT SHOULD BE ROUTINELY MAINTAINED, CLEANED, INSPECTED, AND REPAIRED AS NEEDED FOR THE CONSTRUCTION SEASON. TEMPORARY EMBANKMENTS SHOULD BE FULLY VEGETATED OR OTHERWISE STABILIZED BY ACCEPTED METHODS.
- MAINTENANCE REQUIREMENTS:
 - MAINTENANCE MEASURES SHOULD OCCUR THROUGHOUT CONSTRUCTION, INCLUDING THE OVER-WINTER PERIOD. AFTER EACH RAINFALL, SNOWSTOP OR PERIOD OF THAWING AND RUNOFF, THE CONSTRUCTION SITE CONTRACTOR SHOULD CONDUCT AN INSPECTION OF ALL EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO ENSURE THEIR CONTINUING FUNCTION.
 - FOR ANY AREA STABILIZED BY TEMPORARY OR PERMANENT SEEDING PRIOR TO NOVEMBER 1, THE CONTRACTOR SHOULD CONDUCT AN INSPECTION IN THE SPRING TO ASCERTAIN THE CONDITION OF VEGETATIVE COVER AND REPAIR ANY DAMAGED AREAS OR BARE SPOTS AND RESEED AS REQUIRED TO ACHIEVE AN ESTABLISHED VEGETATIVE COVER (AT LEAST 70 PERCENT AREA VEGETATED WITH HEALTHY, VIGOROUS GRASS).
- SPECIFICATIONS: TO ADEQUATELY PROVIDE SEDIMENT AND EROSION CONTROL DURING COLD WEATHER AND EARLY SPRING RUNOFF, THE FOLLOWING STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE PERIOD FROM NOVEMBER 1 TO MAY 1:
 - AREA OF EXPOSED, UNSTABILIZED SOIL SHOULD BE LIMITED TO ONLY WHAT IS REQUIRED TO PERFORM THE WORK. THE EXPOSED AREA SHOULD BE PROTECTED AGAINST EROSION BY METHODS DESCRIBED IN THIS SECTION PRIOR TO ANY THAW OR RUNOFF PRODUCING CONDITIONS.
 - STABILIZATION AS FOLLOWS SHOULD BE COMPLETED WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE OR THAT WILL OTHERWISE EXIST FOR MORE THAN 14 DAYS.
- ALL PROPOSED VEGETATED AREAS HAVING A SLOPE LESS THAN 15 PERCENT WHICH DO NOT EXHIBIT A MINIMUM 70 PERCENT VEGETATIVE GROWTH BY NOVEMBER 1, OR WHICH IS DISTURBED AFTER NOVEMBER 1, SHOULD BE DORMANT SEEDED AT A RATE 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND COVERED WITH 2 TO 3 TONS OF HAY OR STRAW MULCH PER ACRE WITH EITHER ANCHORED NETTING OR AN APPROVED TACKIFIER FROM THE WISDOT PRODUCT ACCEPTABILITY LIST. AN EROSION CONTROL BLANKET OR TYPE A SOIL STABILIZER FROM THE WISDOT PRODUCT ACCEPTABILITY LIST MAY BE USED IN LIEU OF MULCH AND NETTING OR MULCH AND TACKIFIER.

- ALL PROPOSED VEGETATED AREAS HAVING A SLOPE GREATER THAN 15 PERCENT WHICH DO NOT EXHIBIT A MINIMUM OF 70 PERCENT VEGETATIVE GROWTH BY NOVEMBER 1 WHICH ARE DISTURBED AFTER NOVEMBER 1, SHOULD BE DORMANT SEEDED AT A RATE 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND COVERED WITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET.
- ALL STONE COVERED SLOPES MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 1.
- INSTALLATION OF ANCHORED HAY OR STRAW MULCH SHOULD NOT OCCUR OVER SNOW GREATER THAN 1 INCH IN DEPTH.
- MULCH APPLIED DURING WINTER SHOULD BE ANCHORED WITH NETTING OR TACKIFIER FROM WISDOT PRODUCT ACCEPTABILITY LIST.
- STOCKPILES OF SOIL MATERIALS SHOULD BE SEEDING AND MULCHED FOR OVER-WINTER PROTECTION WITH HAY OR STRAW AT 2 TO 3 TONS PER ACRE. MULCHING SHOULD BE DONE WITHIN 24 HOURS OF STOCKPILING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL. NO SOIL STOCKPILE SHOULD BE LOCATED WITHIN 25 FEET OF ANY WETLAND OR OTHER WATER RESOURCES AREA. SOIL STABILIZER TYPE A OR EROSION CONTROL BLANKET MAY BE USED IN LIEU OF MULCH.
- FROZEN MATERIALS SHOULD BE STOCKPILED SEPARATELY AND IN A LOCATION THAT IS AWAY FROM ANY AREA NEEDING TO BE PROTECTED. STOCKPILES OF FROZEN MATERIAL CAN MELT IN THE SPRING AND BECOME UNWORKABLE AND DIFFICULT TO TRANSPORT DUE TO HIGH MOISTURE CONTENT IN THE SOIL.
- INSTALLATION OF EROSION CONTROL BLANKETS SHOULD NOT OCCUR OVER SNOW OF GREATER THAN 1 INCH IN DEPTH OR OVER FROZEN GROUND.
- ALL GRASS-LINED DITCHES AND CHANNELS SHOULD BE CONSTRUCTED AND STABILIZED BY OCTOBER 15. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM 70 PERCENT VEGETATIVE GROWTH BY NOVEMBER 1, OR WHICH ARE DISTURBED AFTER NOVEMBER 1, SHOULD BE STABILIZED WITH TEMPORARY STONE AND FILTER FABRIC OR TEMPORARY SEED AND EROSION CONTROL BLANKETS APPROPRIATE TO THE DESIGN FLOW CONDITIONS.
- ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 1.
- SEDIMENT BARRIERS THAT ARE INSTALLED DURING FROZEN CONDITIONS SHOULD CONFORM TO THE CONSERVATION PRACTICE STANDARD 1071 V.C.1.C ANCHORED IN PLACE AND IN FULL CONTACT WITH THE GROUND SURFACE. SILT FENCE AND HAY BALES SHOULD NOT BE INSTALLED WHEN FROZEN GROUND CONDITIONS PREVENT PROPER EMBEDMENT OF THESE BARRIERS.
- AFTER DECEMBER 1, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS CEASED FOR THE WINTER SEASON SHOULD BE PROTECTED WITH A 3 INCH LAYER OF SAND AND GRAVEL WITH A GRADATION CONFORMING TO TABLE 37 OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.

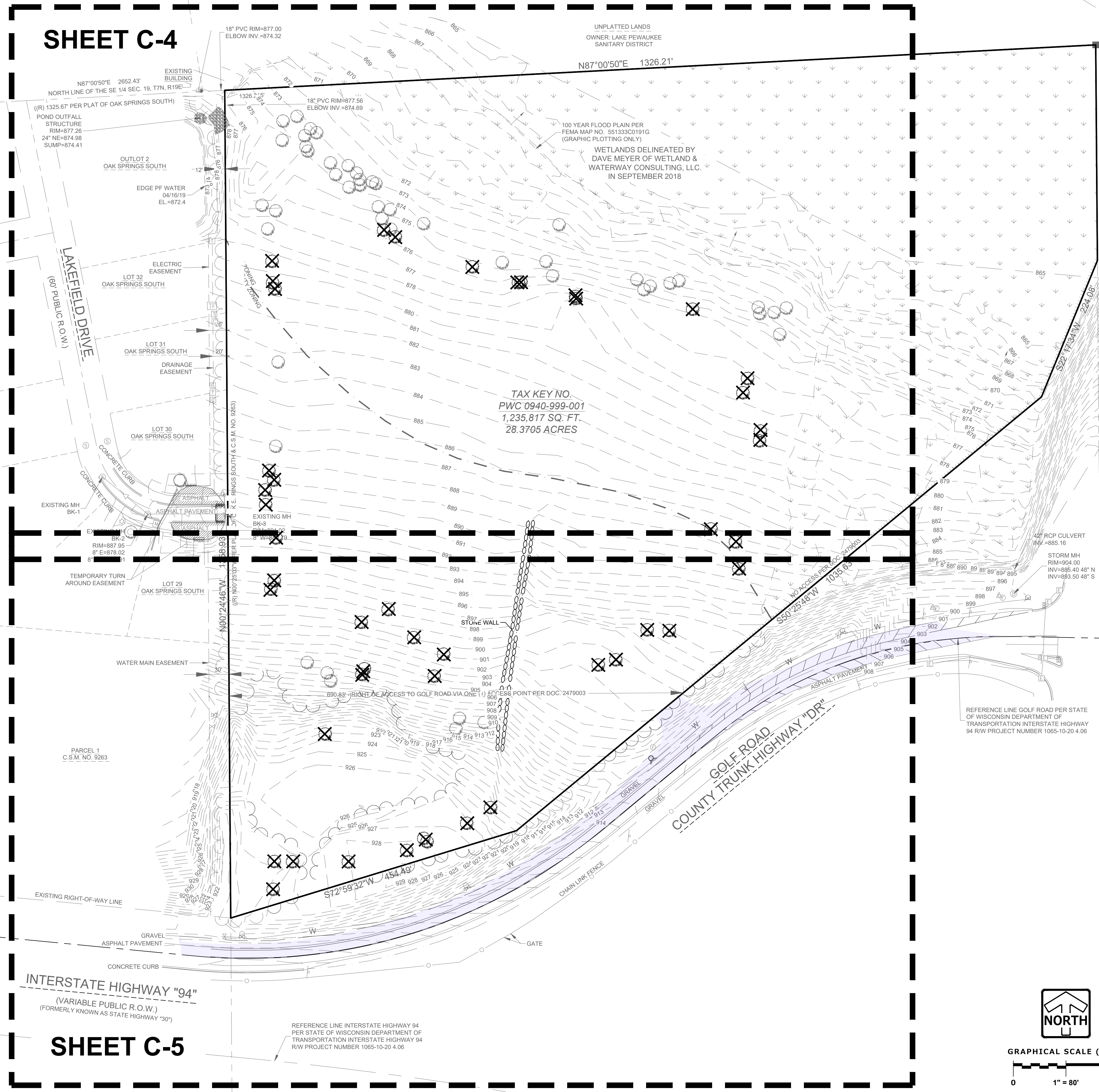
E. SEE CITY OF PEWAUKEE TECHNICAL STANDARDS FOR MORE INFORMATION.

PUBLIC UTILITY NOTES

- EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND/OR TO AVOID DAMAGE THERETO. CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (LATEST EDITION AND ADDENDUM) AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.
- UTILITY CONSTRUCTION AND SPECIFICATIONS SHALL COMPLY WITH THE CITY OF PEWAUKEE TECHNICAL STANDARDS AND WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES SPS 382.
- LENGTHS OF PROPOSED 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 ADJUST AND/OR RECONSTRUCT EXISTING UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH FINISHED GRADES OF THE AREAS DISTURBED 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 AND NOTIFY THE OWNER OF ANY DISCREPANCIES OR CONFLICTS.
- THE CONTRACTOR SHALL CONTACT THE CITY OF PEWAUKEE PUBLIC WORKS DEPARTMENT 48-HOURS IN ADVANCE OF SANITARY, WATER AND STORM CONNECTIONS TO THE CITY-OWNED SYSTEM TO SCHEDULE INSPECTIONS.
- ROUTING OF GAS, ELECTRIC AND TELEPHONE SERVICES ARE SHOWN ON THE ARCHITECTURAL PLANS AND SUBJECT TO CHANGE BASED UPON FINAL REVIEW AND APPROVAL BY RESPECTIVE UTILITY COMPANIES AND OWNER. CONTRACTOR SHALL CONTACT EACH UTILITY COMPANY AND COORDINATE FINAL LOCATIONS FOR ALL UTILITY SERVICES PRIOR TO START OF CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROPER AUTHORITIES FOR ANY REQUIRED PERMITS, AUTHORIZATIONS, TRAFFIC CONTROL AND ANY PERMIT FEES REQUIRED.
- FIELD TILE CONNECTION - ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.
- THE CONTRACTOR IS RESPONSIBLE FOR THE SIZE, TYPE AND NUMBER OF WATER MAIN BENDS, HORIZONTAL AND VERTICAL, REQUIRED TO COMPLETE CONSTRUCTION. COST FOR BENDS, HORIZONTAL AND VERTICAL, SHALL BE INCIDENTAL AND INCLUDED IN THE OVERALL COST OF THE CONTRACT.
- STORM SEWER SPECIFICATIONS -
 - PIPES/STRUCTURES - MATERIALS FOR STORM SEWER SHALL COMPLY WITH THE CITY OF PEWAUKEE TECHNICAL STANDARDS AND BE AS FOLLOWS: ALL STORM SEWER PIPES WITHIN PUBLIC ROW OR STORM SEWER EASEMENTS SHALL BE RCP. STORM SEWER PIPE 48" OR LESS SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) CORRUGATED PIPE WITH AN INTEGRALLY FORMED SMOOTH WATERWAY SUCH AS ADS-N-12. FOR PIPE 10" OR LESS IN DIAMETER, PVC, ASTM D-3034, SDR-26, MAY ALSO BE USED, WHERE SPECIFICALLY REQUIRED, REINFORCED CONCRETE PIPE (RCP), ASTM C-76, CLASS III OR HIGHER, MAY BE USED. TRENCH SECTION SHALL BE CLASS "B" FOR PVC AND HDPE AND CLASS "C" FOR CONCRETE (PER STANDARD SPECIFICATIONS). MANHOLES, INLETS AND CATCH BASINS SHALL BE: PRE CAST REINFORCED CONCRETE, ASTM C-478. CASTINGS SHALL BE HEAVY DUTY CAST IRON. AREA DRAINS SHALL BE PER DETAIL ON PLAN OR EQUIVALENT AND SHALL BE A MINIMUM OF 24" IN DIAMETER. CONNECTIONS TO EXISTING PIPES SHALL BE MADE WITH INSERTA WYE OR EQUIVALENT. LAST (3) THREE JOINTS SHALL BE RESTRAINED WITH RODS. ALL MANHOLES TO BE A MINIMUM OF 48 INCHES IN DIAMETER WITH A NEENAH R-1661 MANHOLE FRAME WITH VENTED LID.
 - BEDDING AND COVER MATERIAL - PIPE BEDDING AND COVER MATERIAL SHALL BE 3/8" CRUSHED LIMESTONE CHIPS CONFORMING TO CHAPTER 8.42.2 OF THE "STANDARD SPECIFICATIONS" AND THE CITY OF PEWAUKEE TECHNICAL STANDARD.
 - BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE 3/8" CRUSHED LIMESTONE CHIPS AND SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS" AND ALL CITY OF PEWAUKEE TECHNICAL STANDARDS. MECHANICALLY COMPACTED 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 8.43.5 OF THE "STANDARD SPECIFICATIONS". SLURRY BACKFILL IS REQUIRED IN EXISTING PAVED AREAS.
- WATER MAIN SPECIFICATIONS -
 - PIPE - WATER MAIN SHALL BE PVC PIPE MEETING THE REQUIREMENTS OF AWWA STANDARD C-900, CLASS 150, SDR-18, WITH CAST IRON O.D. AND INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS WITH AN ELASTOMERIC SEAL. VALVES AND VALVE BOXES - GATE VALVES SHALL BE AWWA RESILIENT SEATED VALVES MEETING THE REQUIREMENTS OF AWWA C-509, CHAPTER 8.27.2 OF THE "STANDARD SPECIFICATIONS". APPROVED VALVE TYPES FOR VALVES LESS THAN 12 INCHES INCLUDE M&H VALVE COMPANY 4067-01, KENNEDY 4571, CLOW F-6100, MUELLER 2362 OR WATEROUS 2500. ALL UNDERGROUND TRIM (NUTS, BOLTS, ECT.) FOR VALVES SHALL BE STAINLESS STEEL. INCLUDE GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES.
 - HYDRANTS - HYDRANTS SHALL CONFORM TO THE TECHNICAL STANDARDS OF THE CITY OF PEWAUKEE AND IN ACCORDANCE WITH FILE NO. 38 OF THE "STANDARD SPECIFICATIONS." 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 26-INCHES. ALL HYDRANTS SHALL BE WATEROUS HW-67 OR MUELLER CENTURION. HYDRANTS SHALL HAVE MECHANICAL JOINT CONNECTIONS. HYDRANTS SHALL BE PAINTED RED AND MARKED WITH RED AND WHITE SPRING LOADED FIBERGLASS HYDRANT MARKERS. HYDRANTS SHALL BE BREAK-FLANGE TYPE. THE BREAK FLANGE MUST BE PLACED AT FINISH GRADE.
 - BEDDING AND COVER MATERIAL - PIPE BEDDING AND COVER MATERIAL SHALL BE 3/8" CRUSHED LIMESTONE CHIPS CONFORMING TO CHAPTER 8.42.2 OF THE "STANDARD SPECIFICATIONS" AND THE CITY OF PEWAUKEE TECHNICAL STANDARD.
 - BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE 3/8" CRUSHED LIMESTONE CHIPS AND SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS" AND ALL CITY OF PEWAUKEE TECHNICAL STANDARDS. MECHANICALLY COMPACTED 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 8.43.5 OF THE "STANDARD SPECIFICATIONS". SLURRY BACKFILL IS REQUIRED IN EXISTING PAVED AREAS.
- SANITARY SEWER SPECIFICATIONS -
 - PIPE - SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-26, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212 AND ALL CITY OF PEWAUKEE TECHNICAL STANDARDS ALL PROPOSED PUBLIC SANITARY SEWER SHALL BE PVC SDR-35 PIPE FOR PIPES 8 INCHES TO 15 INCHES.
 - BEDDING AND COVER MATERIAL - 6) ALL SANITARY SEWERS AND LATERALS ARE TO BE BEDDED WITH STONE CHIPS PER SWS 8.43.2(A).THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SITE SUPPORT.
 - BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS" AND ALL CITY OF PEWAUKEE TECHNICAL 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 8.43.5 OF THE "STANDARD SPECIFICATIONS." SLURRY BACKFILL IS REQUIRED IN ALL EXISTING PAVED AREAS.
 - MANHOLES - MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL TECHNICAL STANDARDS OF THE CITY OF PEWAUKEE. STRUCTURE SHOP DRAWINGS SHALL BE SUBMITTED TO PINNACLE ENGINEERING GROUP FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING AND INSTALLATION.
 - MANHOLE FRAMES AND COVERS - SEE DETAILS ON SHEET C-29 FOR CASTINGS.
- 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 FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN 6TH EDITION UPDATED WITH ITS LATEST ADDENDUM (TYP.).
- TRACER WIRE SHALL BE INSULATED AWG 10 OR 12 COPPER CLAD STEEL, HIGH STRENGTH WITH MINIMUM 600 POUND BREAK LOAD AND INSTALLED ON ALL NEW SANITARY LATERALS AND WATERMANS. TRACER WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE CODE SECTIONS AS PER 182.0715(2)(D

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SHEET C-4



NE CORNER, SE 1/4 SEC. 19, T7N, R19E
 FOUND CONC. MON. W/ BRASS CAP)
 N=388,833.26, E=2,458,246.85
 (WISCONSIN STATE PLANE CO-ORDINATE SYSTEM, SOUTH ZONE)
 P.O.B.

LEGEND	
	CLEARING & GRUBBING
	REMOVE EXISTING CURB AND GUTTER
	SAWCUT EXISTING PAVEMENT
	REMOVE/RELOCATE EXISTING TREE
	REMOVE EXISTING ASPHALT
	SEE ROADWAY INFRASTRUCTURE PLAN

PROVIDE ADDED COST FOR ALL WORK ASSOCIATED WITH THE PUBLIC IMPROVEMENTS WITHIN THE LAKEFIELD DRIVE RIGHT-OF-WAY

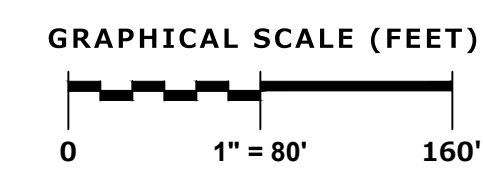
SURVEY WORK STARTED 12/14/2018, AND WAS UPDATED 12/05/2023.

EXISTING CONDITIONS SURVEY:
 EXISTING CONDITIONS SURVEY PROVIDED BY PINNACLE ENGINEERING GROUP (BEGINNING 12/14/18 AND UPDATED 12/02/23). ALTHOUGH PEG HAS NO REASON TO BELIEVE THE SURVEY IS INACCURATE, PEG MAKES NO WARRANTIES THAT EXISTING INFORMATION CONTAINED WITHIN THESE PLANS IS ALL-INCLUSIVE OR ACCURATE. CONTRACTOR SHALL UNDERTAKE NECESSARY EFFORTS TO VERIFY THE EXISTING CONDITIONS PRIOR TO THE START OF MATERIAL PROCUREMENT AND CONSTRUCTION EFFORTS/ACTIVITIES.

CONTRACTOR RESPONSIBILITY:
 THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. IF ADDITIONAL UTILITIES ARE KNOWN TO EXIST IN THE PROPERTY, THE OWNER WILL PROVIDE EXISTING PLANS OF OTHER UTILITIES SERVING THE SITE AND THE BUILDING THAT OTHERWISE CANNOT BE LOCATED BY A VISUAL OBSERVATION OF THE PROPERTY OR OF WHICH THE SURVEYOR WOULD HAVE NO KNOWLEDGE.

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

EXISTING CONDITIONS LEGEND			
SANITARY MANHOLE		STORM SEWER	
STORM MANHOLE		WATER MAIN	
CATCH BASIN		LIGHTING	
INLET		ELECTRICAL CABLE	
PRECAST FLARED END SECTION		ELECTRICAL TRANSFORMER OR PEDESTAL	
CONCRETE HEADWALL		POWER POLE	
VALVE VAULT		POWER POLE WITH LIGHT	
VALVE BOX		GUY WIRE	
FIRE HYDRANT		STREET SIGN	
BUFFALO BOX		GAS MAIN	
CLEANOUT		TELEPHONE LINE	
SANITARY SEWER		CONTOUR	
FORCE MAIN		TREE	
CONCRETE SIDEWALK		EASEMENT LINE	



SHEET C-5

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 BROOKFIELD, WI 53186
 (262) 754-8888
 CHICAGO | MILWAUKEE | NATIONWIDE

PROPOSED CBRF

N15 W27110 GOLF RD PEWAUKEE, WI 53072

EXISTING CONDITIONS & DEMO OVERVIEW

REVISIONS					
9	CITY COMMENTS	01/09/26	13	ADDENDA #2	05/04/26
10	CITY COMMENTS	03/02/26	6	DHS SUBMITTAL	09/05/25
11	BID SET	04/13/26	7	CITY COMMENTS	11/04/25
12	ADDENDA #1	04/29/26	8	LPSD COMMENTS	12/08/25

REG JOB NO. 1338-10
 REG PM MTS
 START DATE 07-27-24
 SCALE 1" = 80'

SHEET C-3
C-36

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EXISTING CONDITIONS & DEMO OVERVIEW

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LEGEND			
SANITARY MANHOLE	⊙	STORM SEWER	—
STORM MANHOLE	⊙	WATER MAIN	— W —
CATCH BASIN	⊙	LIGHTING	—
INLET	⊙	ELECTRICAL CABLE	— E —
PRECAST FLARED END SECTION	⊙	ELECTRICAL TRANSFORMER OR PEDESTAL	⊠
CONCRETE HEADWALL	⊙	POWER POLE	⊙
VALVE VAULT	⊙	POWER POLE WITH LIGHT	⊙
VALVE BOX	⊙	GUY WIRE	—
FIRE HYDRANT	⊙	STREET SIGN	⊙
BUFFALO BOX	⊙	GAS MAIN	— G —
CLEANOUT	⊙	TELEPHONE LINE	— T —
SANITARY SEWER	—	CONTOUR	~
FORCE MAIN	—	TREE	⊙
CONCRETE SIDEWALK	—	EASEMENT LINE	—

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

EXISTING CONDITIONS SURVEY:
 EXISTING CONDITIONS SURVEY PROVIDED BY PINNACLE ENGINEERING GROUP (BEGINNING 12/14/18 AND UPDATED 12/02/23). ALTHOUGH PEG HAS NO REASON TO BELIEVE THE SURVEY IS INACCURATE, PEG MAKES NO WARRANTIES THAT EXISTING INFORMATION CONTAINED WITHIN THESE PLANS IS ALL-INCLUSIVE OR ACCURATE. CONTRACTOR SHALL UNDERTAKE NECESSARY EFFORTS TO VERIFY THE EXISTING CONDITIONS PRIOR TO THE START OF MATERIAL PROCUREMENT AND CONSTRUCTION EFFORTS/ACTIVITIES.

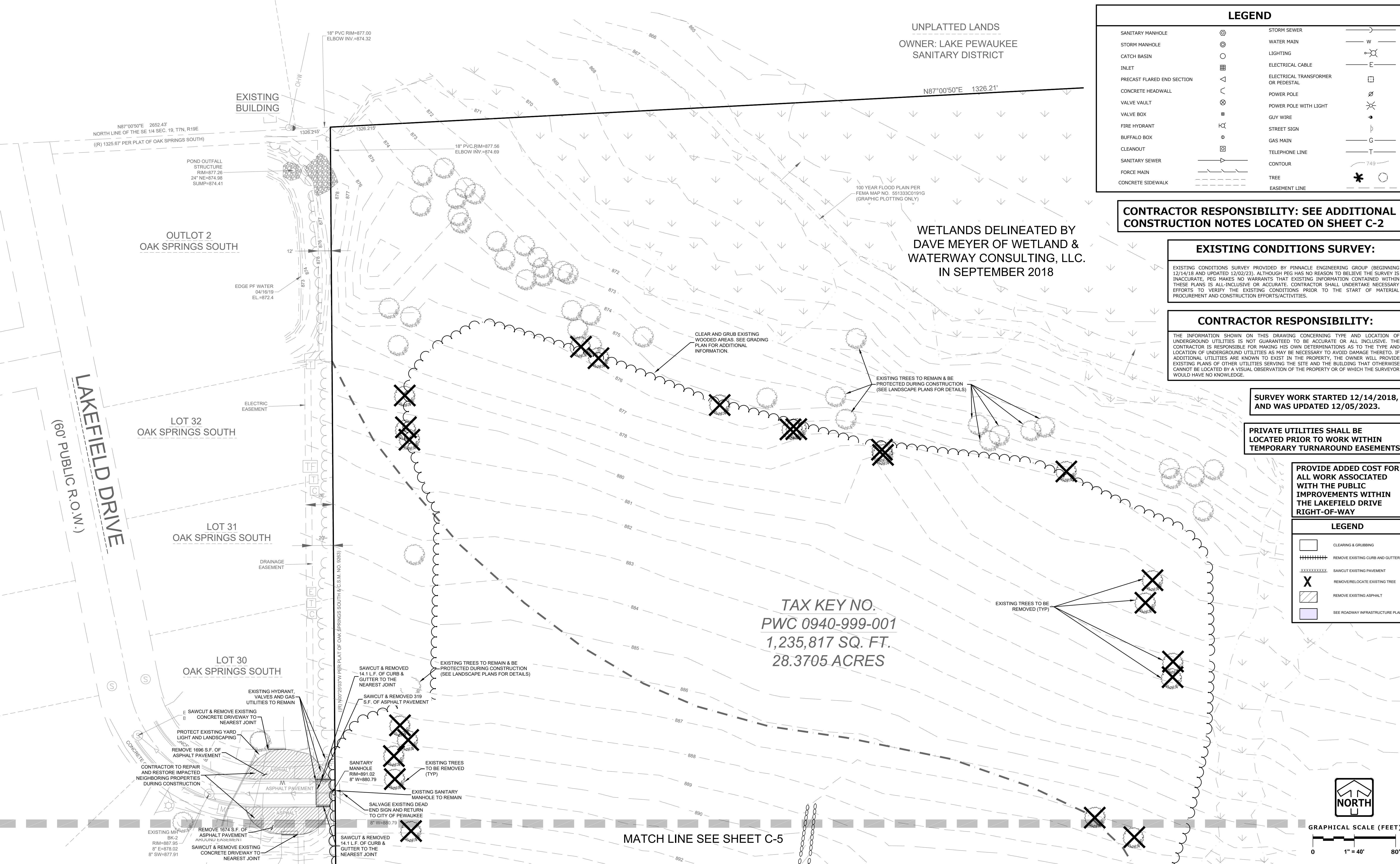
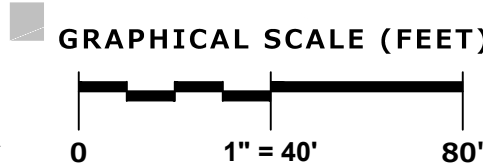
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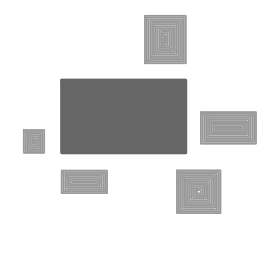
SURVEY WORK STARTED 12/14/2018, AND WAS UPDATED 12/05/2023.

PRIVATE UTILITIES SHALL BE LOCATED PRIOR TO WORK WITHIN TEMPORARY TURNAROUND EASEMENTS

PROVIDE ADDED COST FOR ALL WORK ASSOCIATED WITH THE PUBLIC IMPROVEMENTS WITHIN THE LAKEFIELD DRIVE RIGHT-OF-WAY

LEGEND	
□	CLEARING & GRUBBING
	REMOVE EXISTING CURB AND GUTTER
XXXXXX	SAWCUT EXISTING PAVEMENT
X	REMOVE/RELOCATE EXISTING TREE
▨	REMOVE EXISTING ASPHALT
▭	SEE ROADWAY INFRASTRUCTURE PLAN




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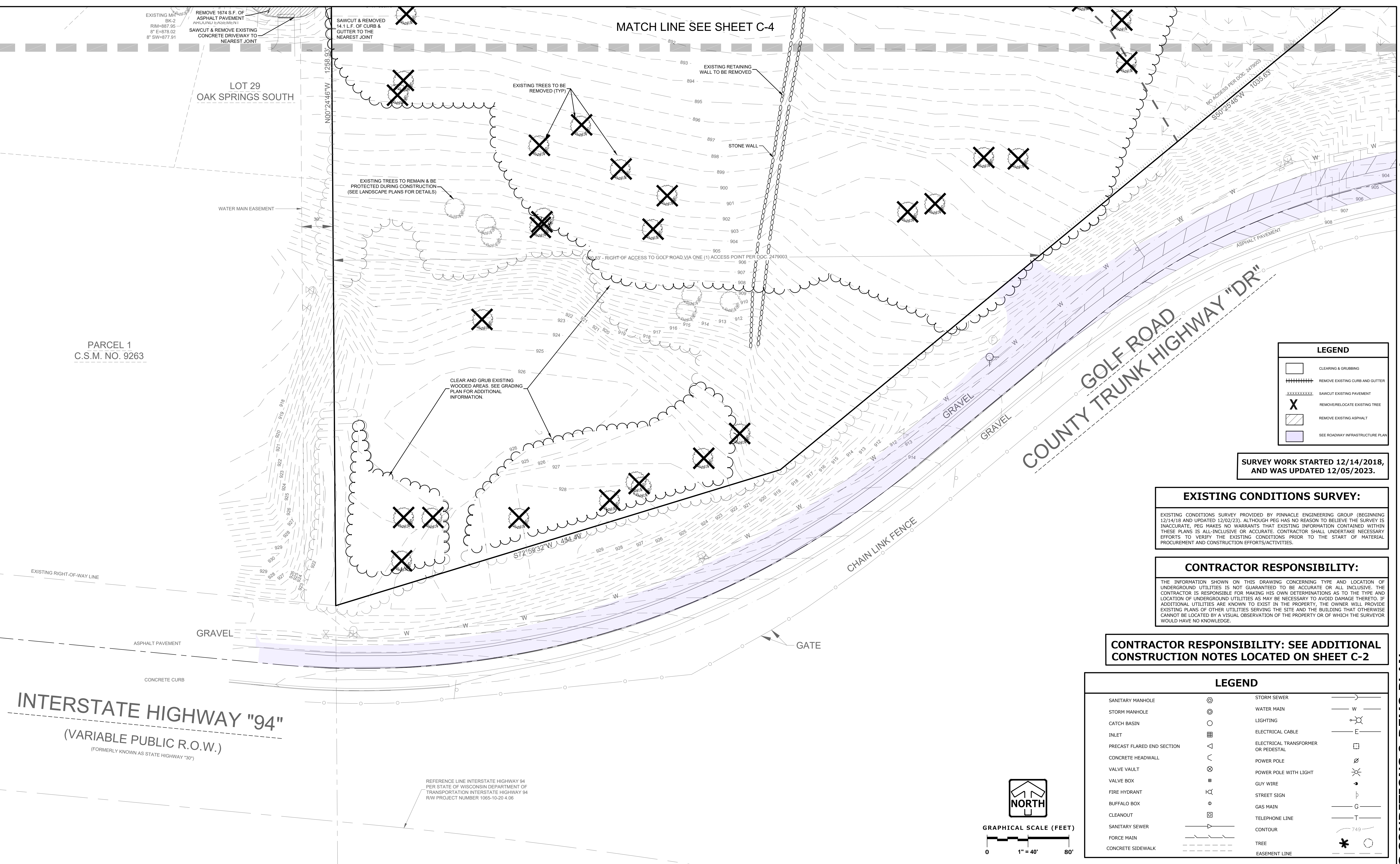
PROPOSED CBRF
EXISTING CONDITIONS & DEMO PLAN
N15 W27110 GOLF RD PEWAUKEE, WI 53072

REVISIONS	
9	CITY COMMENTS 01/09/26
10	CITY COMMENTS 03/02/26
11	BID SET 04/13/26
12	ADDENDA #1 04/29/26
13	ADDENDA #2 05/04/26
6	DHS SUBMITTAL 09/05/25
7	CITY COMMENTS 11/04/25
8	LPSD COMMENTS 12/08/25

SHEET **C-4**
 C-36
 PEG JOB NO. 1338-10
 MTS
 START DATE 07-27-24
 SCALE 1" = 40'
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DESIGNED: ATH
DRAWN: ATH
REVIEWED: TOM

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ENGINEERING | NATURAL RESOURCES | SURVEYING

PROPOSED CBRF

N15 W27110 GOLF RD PEWAUKEE, WI 53072

EXISTING CONDITIONS & DEMO PLAN

REVISIONS

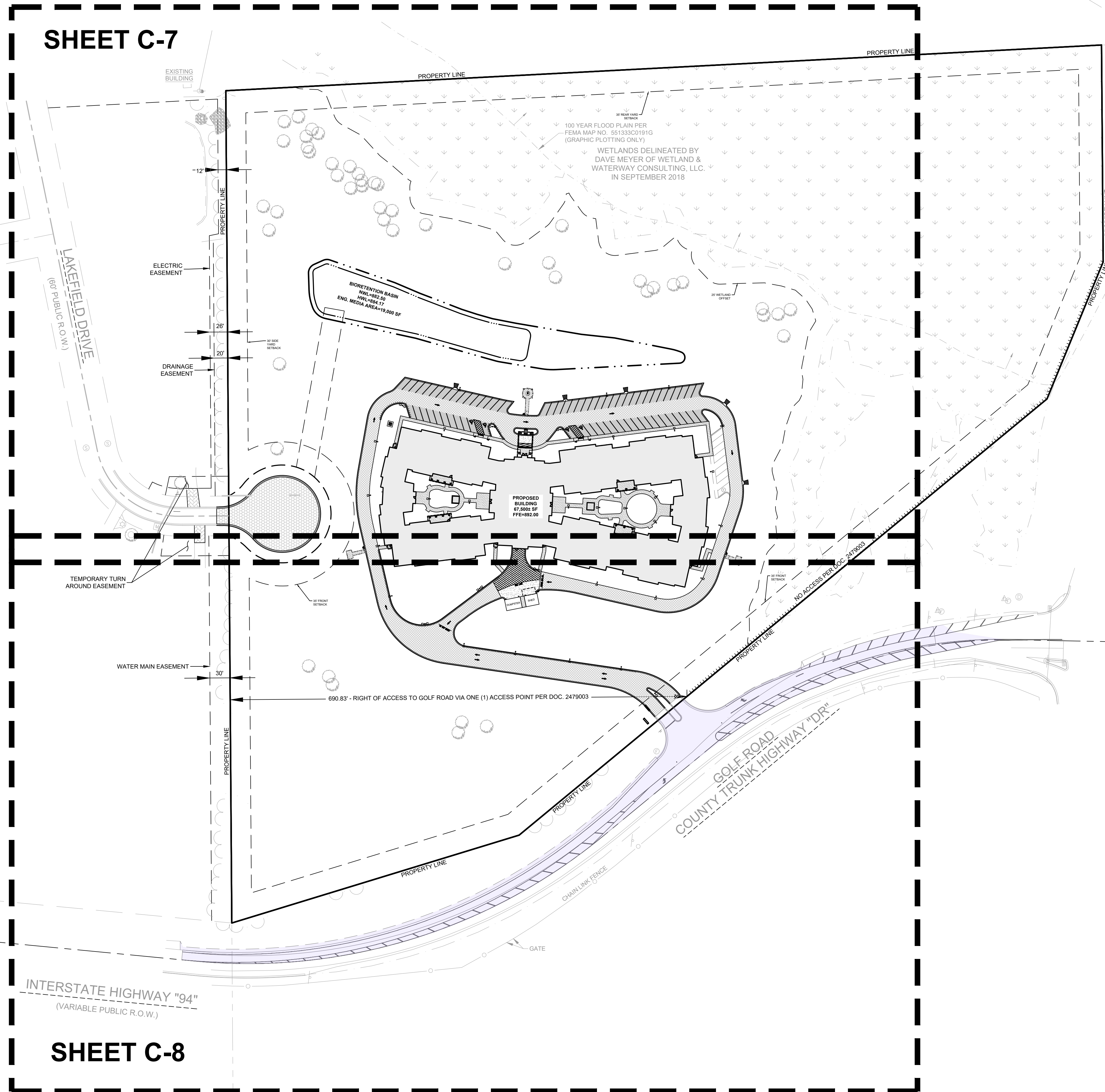
9	CITY COMMENTS	01/09/26	13	ADDENDA #2	05/04/26
10	CITY COMMENTS	03/02/26	6	DHS SUBMITTAL	09/05/25
11	BID SET	04/13/26	7	CITY COMMENTS	11/04/25
12	ADDENDA #1	04/29/26	8	LPSD COMMENTS	12/08/25

PEG JOB No. 1338-10
MTS
SCALE 1" = 40'
START DATE 07-27-26

SHEET C-5
C-36

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 DRAFTED: AFH
 DESIGNED: AFH
 REVIEWED: TOM

SHEET C-7

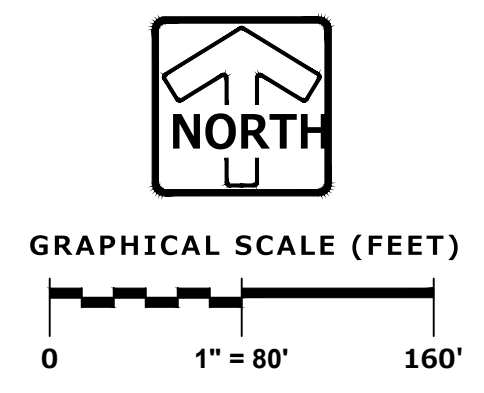


SHEET C-8

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

SITE DATA	
SITE AREA:	27.96 AC
TOTAL DISTURBED AREA:	12.72 AC
PROPOSED CAR PARKING SPACES:	69 SPACES (4 ADA SPOTS)
PROPOSED PAVEMENT AREA:	1.86 AC
PROPOSED TOTAL IMPERVIOUS:	3.39 AC = 12%
PROPOSED GREEN SPACE:	24.57 AC = 88%
FLOOR AREA RATIO:	1.55 AC = 6%

LEGEND	
	LIGHT DUTY ASPHALT PAVEMENT - 10" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 3" HMA PAVEMENT (2 LIFTS) - 1 1/2" BINDER COURSE - 3 LT 58-28 S - 1 1/2" SURFACE COURSE - 5 LT 58-28 S
	HEAVY DUTY ASPHALT PAVEMENT - 12" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 4" HMA PAVEMENT (2 LIFTS) - 2 1/2" BINDER COURSE - 3 LT 58-28 S - 1 1/2" SURFACE COURSE - 5 LT 58-28 S
	CONCRETE PAVEMENT - 6" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 7" PCC (4000 PSI)
	CONCRETE SIDEWALK/PATIOS - 4" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 5" PCC (4000 PSI)
	PAVEMENT IN THE PUBLIC RIGHT OF WAY - 10" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 5" HMA PAVEMENT (2 LIFTS) - 3 1/2" BINDER COURSE - 3 LT 58-28 S - 1 1/2" SURFACE COURSE - 5 LT 58-28 S
	CONCRETE DRIVEWAYS FOR LAKEFIELD DRIVE - 6" CRUSHED AGGREGATE BASE COURSE (3/4" DENSE GRADED LIMESTONE) - 7" PCC (4000 PSI) - RES (HIGH STRENGTH CONCRETE) WITH WIRE MESH REINFORCEMENT
	SEE ROADWAY INFRASTRUCTURE PLAN
	4" WHITE STRIPE
	4" DIAGONAL AT 45° SPACED 2' O.C.
	BOLLARD MOUNTED ADA SIGN (SEE DETAIL)
	18" CURB & GUTTER (SEE DETAIL)
	18" REVERSE CURB & GUTTER (SEE DETAIL)
	ADA COMPLIANT RAMP W/ TRUNCATED DOMES (SEE DETAIL). TAPER CURB HEAD AND DEPRESS WALK/CURB
	ADA STALL INSIGNIA
	INTEGRAL CURB & WALK (SEE DETAIL)
	TAPER CURB HEAD (SEE DETAIL)
	BUILDING DOOR SLAB (2% MAX SLOPE WITHIN 5-FT OF DOOR)
	30" MOUNTABLE CURB (SEE DETAIL)
	ASPHALT FLUSH WITH CONCRETE
	PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)



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PROPOSED CBRF
N15 W27110 GOLF RD PEWAUKEE, WI 53072

SITE DIMENSIONAL & PAVING OVERVIEW

REVISIONS	
9 CITY COMMENTS	01/09/26
10 CITY COMMENTS	03/02/26
11 BID SET	04/13/26
12 ADDENDA #1	04/29/26
13 ADDENDA #2	05/04/26
6 DHS SUBMITTAL	09/05/25
7 CITY COMMENTS	11/04/25
8 LPSD COMMENTS	12/08/25

REG JOB No. 1338-10
 MTS
 START DATE 07-27-24
 SCALE 1" = 80'
SHEET C-6
C-36

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 SITE DIMENSIONAL & PAVING OVERVIEW
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LEGEND

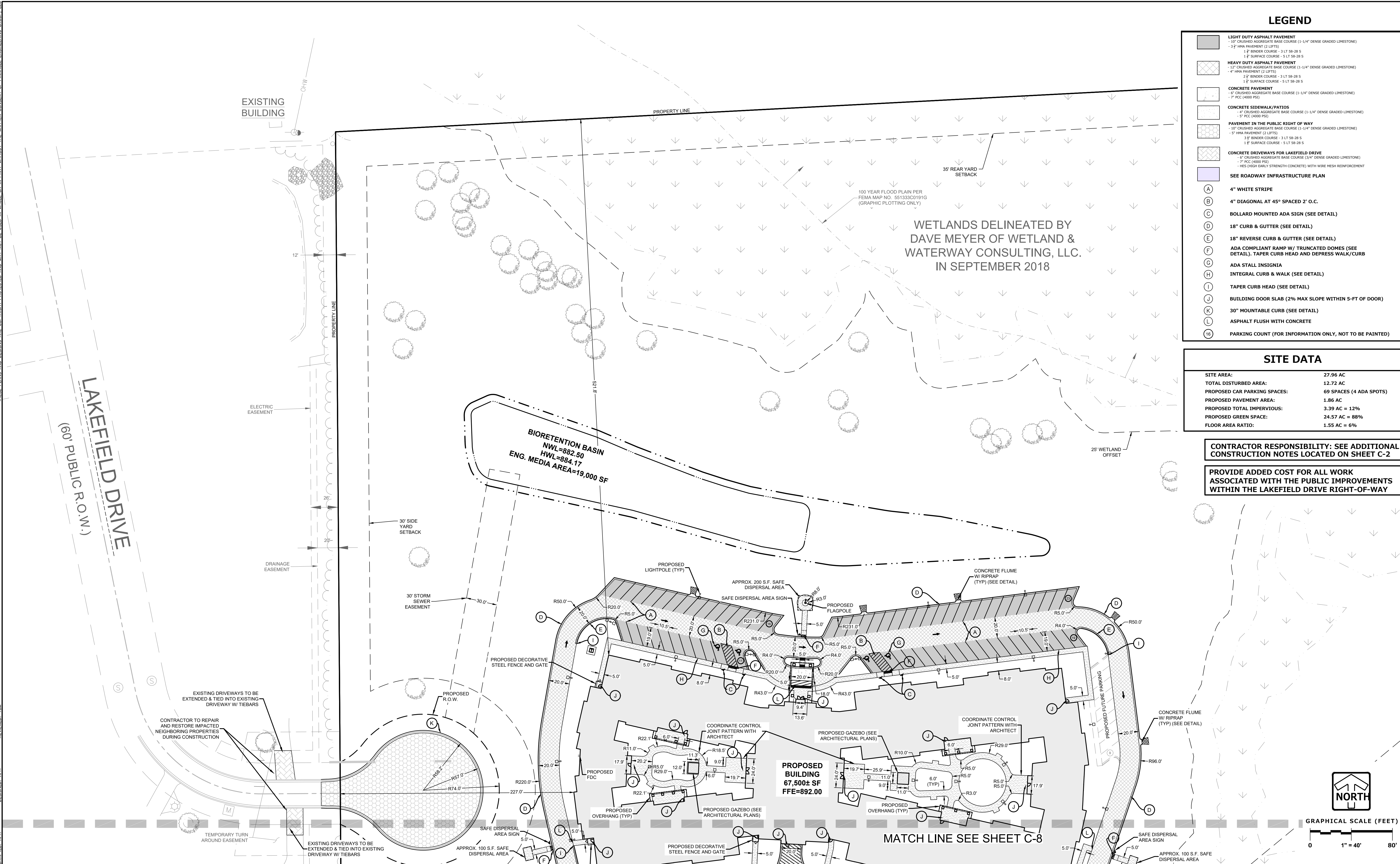
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	CONCRETE SIDEWALK/PATIO - 4" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LESTONE) - 5" PCC (4000 PSI)
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	30" MOUNTABLE CURB (SEE DETAIL)
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	PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)

SITE DATA

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CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

PROVIDE ADDED COST FOR ALL WORK ASSOCIATED WITH THE PUBLIC IMPROVEMENTS WITHIN THE LAKEFIELD DRIVE RIGHT-OF-WAY



DESIGNED: TOM
DRAFTED: ACH
REVIEWED: TOM

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ENGINEERING | NATURAL RESOURCES | SURVEYING

WISCONSIN OFFICE:
20725 WATERTOWN ROAD, SUITE 100
BROOKFIELD, WI 53186
(262) 754-8888
CHICAGO | MILWAUKEE | NATIONWIDE

PROPOSED CBRF

N15 W27110 GOLF RD PEWAUKEE, WI 53072

SITE DIMENSIONAL & PAVING PLAN

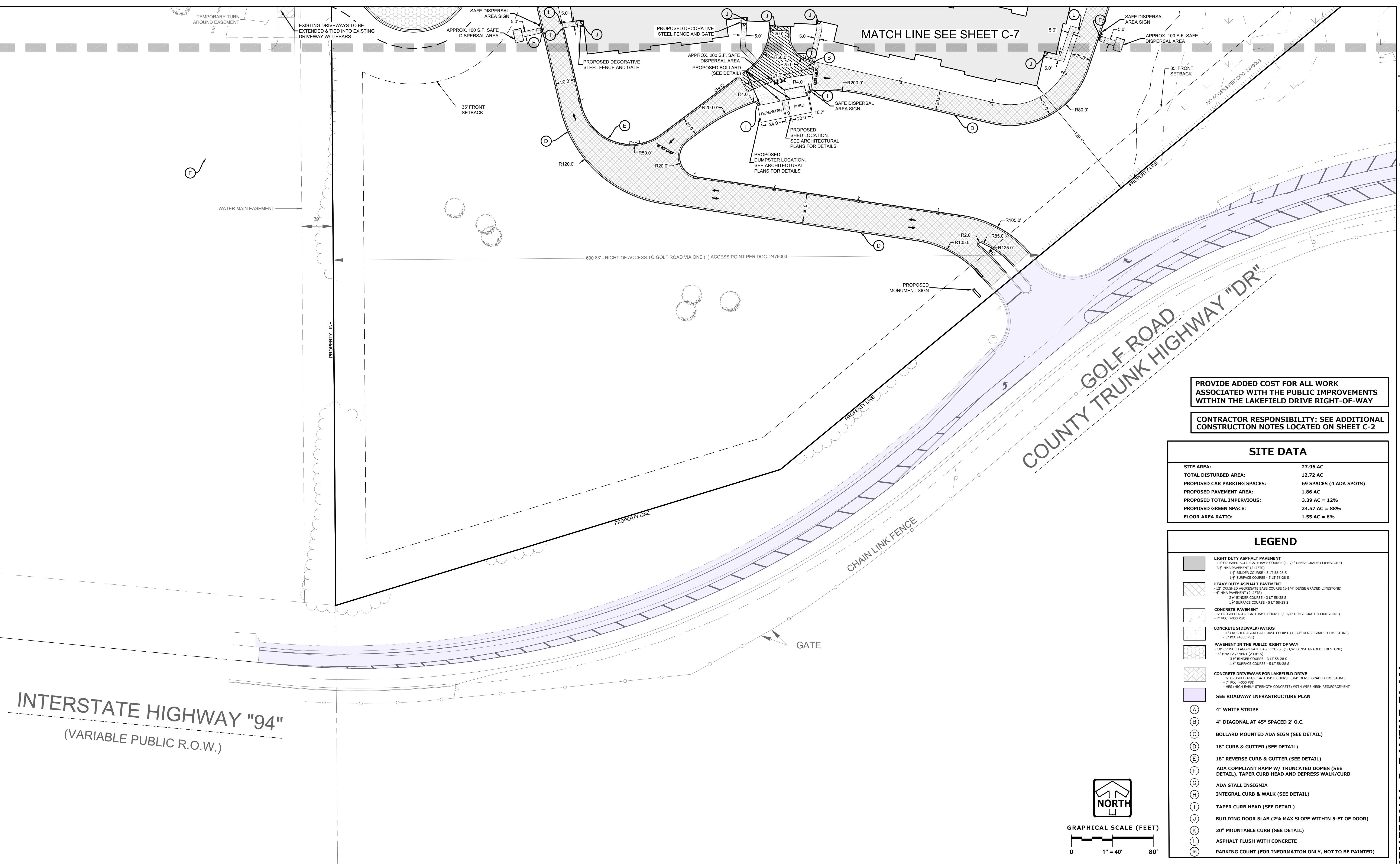
REVISIONS

9	CITY COMMENTS	01/09/26	13	ADDENDA #2	05/04/26
10	CITY COMMENTS	03/02/26	6	DHS SUBMITTAL	09/05/25
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12	ADDENDA #1	04/29/26	8	LPSD COMMENTS	12/08/25

REG JOB NO. 13388-10
REG PM MTS
START DATE 07-27-24
SCALE 1" = 40'

SHEET C-7
C-36

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 DESIGNED: AFH
 DRAFTED: AFH
 REVIEWED: TOM



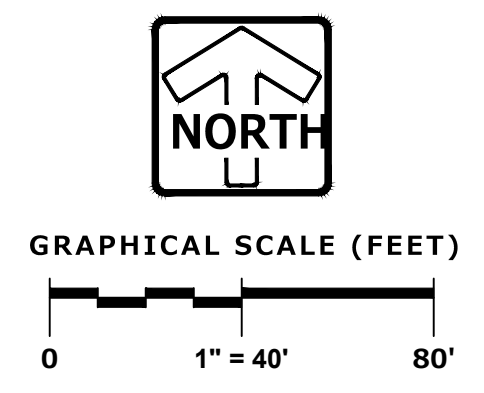
MATCH LINE SEE SHEET C-7

PROVIDE ADDED COST FOR ALL WORK ASSOCIATED WITH THE PUBLIC IMPROVEMENTS WITHIN THE LAKEFIELD DRIVE RIGHT-OF-WAY

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

SITE DATA	
SITE AREA:	27.96 AC
TOTAL DISTURBED AREA:	12.72 AC
PROPOSED CAR PARKING SPACES:	69 SPACES (4 ADA SPOTS)
PROPOSED PAVEMENT AREA:	1.86 AC
PROPOSED TOTAL IMPERVIOUS:	3.39 AC = 12%
PROPOSED GREEN SPACE:	24.57 AC = 88%
FLOOR AREA RATIO:	1.55 AC = 6%

LEGEND	
	LIGHT DUTY ASPHALT PAVEMENT - 1" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 3" HMA PAVEMENT (2 LIFTS) - 1 1/2" BINDER COURSE - 5 LT 58-28 S - 1 1/2" SURFACE COURSE - 5 LT 58-28 S
	HEAVY DUTY ASPHALT PAVEMENT - 1 1/2" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 4" HMA PAVEMENT (2 LIFTS) - 2 1/2" BINDER COURSE - 5 LT 58-28 S - 1 1/2" SURFACE COURSE - 5 LT 58-28 S
	CONCRETE PAVEMENT - 6" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 7" PCC (4000 PSI)
	CONCRETE SIDEWALK/PATIOS - 4" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 5" PCC (4000 PSI)
	PAVEMENT IN THE PUBLIC RIGHT OF WAY - 6" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE) - 5" HMA PAVEMENT (2 LIFTS) - 3 1/2" BINDER COURSE - 5 LT 58-28 S - 1 1/2" SURFACE COURSE - 5 LT 58-28 S
	CONCRETE DRIVEWAYS FOR LAKEFIELD DRIVE - 6" CRUSHED AGGREGATE BASE COURSE (3/4" DENSE GRADED LIMESTONE) - 7" PCC (4000 PSI) - RES (HIGH STRENGTH CONCRETE) WITH WIRE MESH REINFORCEMENT
	SEE ROADWAY INFRASTRUCTURE PLAN
	4" WHITE STRIPE
	4" DIAGONAL AT 45° SPACED 2' O.C.
	BOLLARD MOUNTED ADA SIGN (SEE DETAIL)
	18" CURB & GUTTER (SEE DETAIL)
	18" REVERSE CURB & GUTTER (SEE DETAIL)
	ADA COMPLIANT RAMP W/ TRUNCATED DOMES (SEE DETAIL). TAPER CURB HEAD AND DEPRESS WALK/CURB
	ADA STALL INSIGNIA
	INTEGRAL CURB & WALK (SEE DETAIL)
	TAPER CURB HEAD (SEE DETAIL)
	BUILDING DOOR SLAB (2% MAX SLOPE WITHIN 5-FT OF DOOR)
	30" MOUNTABLE CURB (SEE DETAIL)
	ASPHALT FLUSH WITH CONCRETE
	PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)



INTERSTATE HIGHWAY "94"
(VARIABLE PUBLIC R.O.W.)

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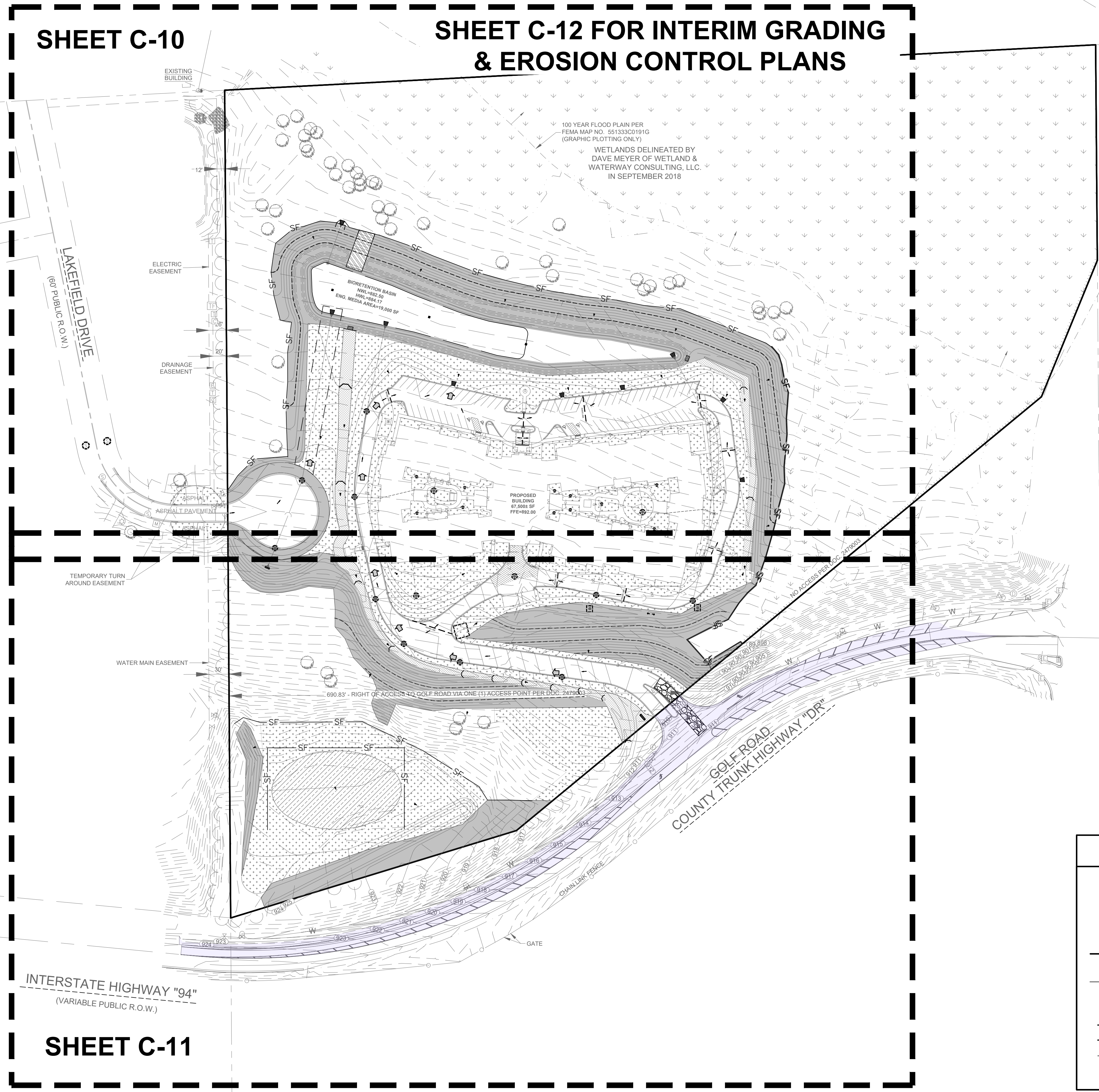
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REG JOB No. 1338-10
 MTS
 START DATE 07-27-24
 SCALE 1" = 40'
 SHEET C-8
 C-36

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SHEET C-10

SHEET C-12 FOR INTERIM GRADING & EROSION CONTROL PLANS



OWNER: WISCONSIN ELECTRIC POWER COMPANY

MEADOWBROOK ROAD
COUNTY TRUNK HIGHWAY "G"
(VARIABLE PUBLIC R.O.W.)



GRAPHICAL SCALE (FEET)
0 1" = 80' 160'

NOTE :
REMAINING DISTURBED AREAS OF SLOPES 5:1 OR FLATTER TO BE HYDROSEEDED

THE EROSION CONTROL MATTING FOR USE IN CHANNELS SHOULD BE CLASS 1 TYPE B OR BETTER

CONSTRUCTION SITE SEQENCING

1. INSTALL TEMPORARY EROSION CONTROL PRACTICES: PERIMETER SILT FENCE, DITCH CHECKS AND CONSTRUCTION ENTRANCES.
 2. CONSTRUCT BIO RETENTION BASIN TO BE USED AS SEDIMENT BASIN DURING CONSTRUCTION. THE BOTTOM OF THE BASIN SHALL BE CONSTRUCTED TO A FINAL GRADE A MINIMUM 1' ABOVE FINAL GRADE. DO NOT EXCAVATE/REMOVE FINAL 1' UNTIL FINAL STABILIZATION OCCURS.
 3. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
 4. CONTRACTOR TO EMPLOY TEMPORARY DIVERSION METHODS (I.E. BERMS AND/OR SWALES) TO CONVEY RUNOFF TO BASINS. DURING CONSTRUCTION, DRAINAGE PATTERNS OF EXISTING OFFSITE AREAS ARE TO BE MAINTAINED.
 5. CONDUCT ROUGH GRADING EFFORTS AND INSTALL TEMPORARY DIVERSION METHODS (I.E. BERMS AND/OR SWALES) TO CONVEY RUNOFF TO BASINS. DURING CONSTRUCTION, DRAINAGE PATTERNS OF EXISTING OFFSITE AREAS ARE TO BE MAINTAINED.
 6. CONSTRUCTION OF FOUNDATIONS AND BUILDING.
 7. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
 8. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
 9. INSTALL TOPSOIL, AND LANDSCAPING. IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROLS.
 10. ONCE ALL UPLAND AREAS ARE STABILIZED, COMPLETE BIOFILTRATION BASIN CONSTRUCTION. REMOVE TEMPORARY STONE WEIRS AND ACCUMULATED SEDIMENT WITHIN THE BOTTOM OF THE BASIN TO FINAL GRADES. INSTALL UNDERDRAIN, RIP RAP AT END APRONS, AND ENGINEERED MEDIA. PROVIDE FINAL STABILIZATION MEASURES AS INDICATED ON THE PLANS.
 11. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.
- THE CONSTRUCTION SEQUENCE SHOULD BE ADHERED TO UNLESS A REVISED CONSTRUCTION SEQUENCE IS SUBMITTED TO THE CITY AND ACCEPTED.

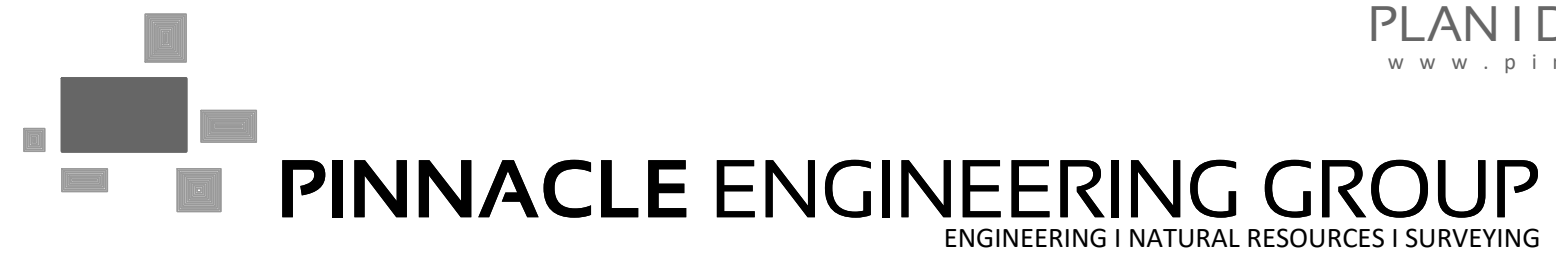
LEGEND

	STORM SEWER MANHOLE		TYPE D INLET PROTECTION
	CATCH BASIN (ROUND CASTING)		TYPE A INLET PROTECTION
	CATCH BASIN (RECTANGULAR CASTING)		CONSTRUCTION ENTRANCE
	PRECAST FLARED END SECTION		HYDROSEED (PER MANUFACTURER SPECIFICATIONS)
	CLEANOUT		EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S75 OR EQUAL)
	HIGH WATER LEVEL (HWL)		EROSION CONTROL BLANKET (CLASS 1 TYPE B OR BETTER)
	NORMAL WATER LEVEL (NWL)		RIP RAP
	SILT FENCE		TURF REINFORCEMENT MAT (TRM)
	PROPOSED CONTOUR		SEE ROADWAY INFRASTRUCTURE PLAN
	PROPOSED SPOT ELEVATION		
	WETLANDS		
	FLOODPLAIN		
	SEDIMENT LOGS ON SLOPE		
	CULVERT PIPE CHECK		
	SEDIMENT LOG DITCH CHECK		

INTERSTATE HIGHWAY "94"
(VARIABLE PUBLIC R.O.W.)

SHEET C-11

PLAN | DESIGN | DELIVER
www.pinnacle-engr.com



PROPOSED CBRF
GRADING & EROSION CONTROL OVERVIEW
N15 W27110 GOLF RD PEWAUKEE, WI 53072

GRADING & EROSION CONTROL OVERVIEW

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REG JOB No. 1338-10
REG PM MTS
START DATE 07-27-24
SCALE 1" = 80'
SHEET C-9
C-36

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THE WORK WITHIN THE CURRENT AND FUTURE LAKEFIELD DRIVE RIGHT-OF-WAY TO TAKE PLACE DURING FALL 2026. CONTRACTOR TO PROVIDE RESIDENTS WITH TEMPORARY ACCESS DURING CONSTRUCTION

THE EROSION CONTROL MATTING FOR USE IN CHANNELS SHOULD BE CLASS 1 TYPE B OR BETTER

PROVIDE ADDED COST FOR ALL WORK ASSOCIATED WITH THE PUBLIC IMPROVEMENTS WITHIN THE LAKEFIELD DRIVE RIGHT-OF-WAY

LEGEND	
	STORM SEWER MANHOLE
	CATCH BASIN (ROUND CASTING)
	CATCH BASIN (RECTANGULAR CASTING)
	PRECAST FLARED END SECTION
	CLEANOUT
	HIGH WATER LEVEL (HWL)
	NORMAL WATER LEVEL (NWL)
	SILT FENCE
	PROPOSED CONTOUR
	PROPOSED SPOT ELEVATION
	WETLANDS
	FLOODPLAIN
	SEDIMENT LOGS ON SLOPE
	CULVERT PIPE CHECK
	SEDIMENT LOG DITCH CHECK
	TYPE D INLET PROTECTION
	TYPE A INLET PROTECTION
	CONSTRUCTION ENTRANCE
	HYDROSEED (PER MANUFACTURER SPECIFICATIONS)
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	RIP RAP
	TURF REINFORCEMENT MAT (TRM)
	SEE ROADWAY INFRASTRUCTURE PLAN

CONSTRUCTION SITE SEQUENCING	
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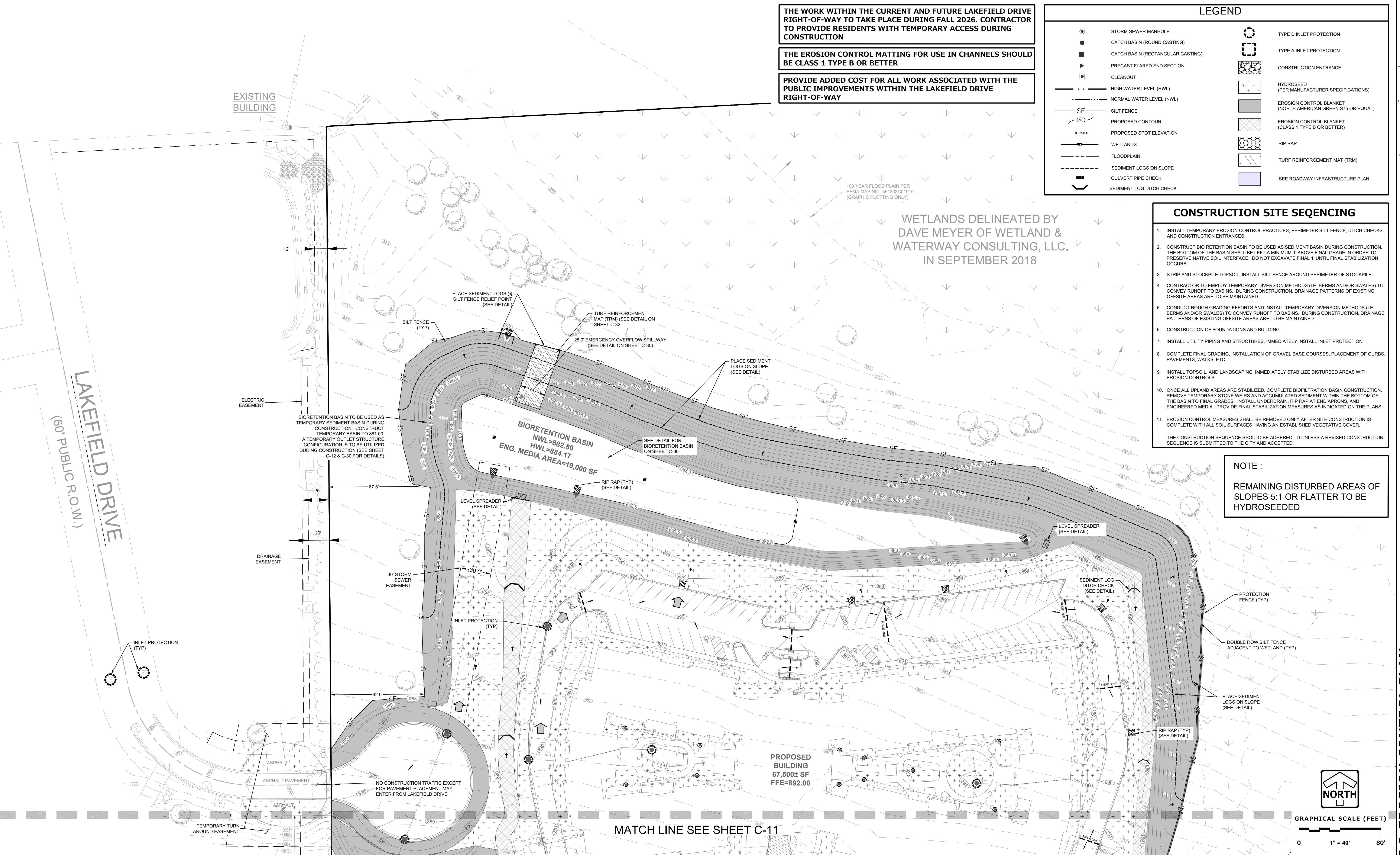
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NOTE :

REMAINING DISTURBED AREAS OF SLOPES 5:1 OR FLATTER TO BE HYDROSEED

WETLANDS DELINEATED BY
DAVE MEYER OF WETLAND &
WATERWAY CONSULTING, LLC.
IN SEPTEMBER 2018

100 YEAR FLOOD PLAIN PER
FEMA MAP NO. 55133C0191G
(GRAPHIC PLOTTING ONLY)



DESIGNED: TOM
REVIEWED: TOM
DRAFTED: ACH

PLAN | DESIGN | DELIVER
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GRADING & EROSION CONTROL PLAN

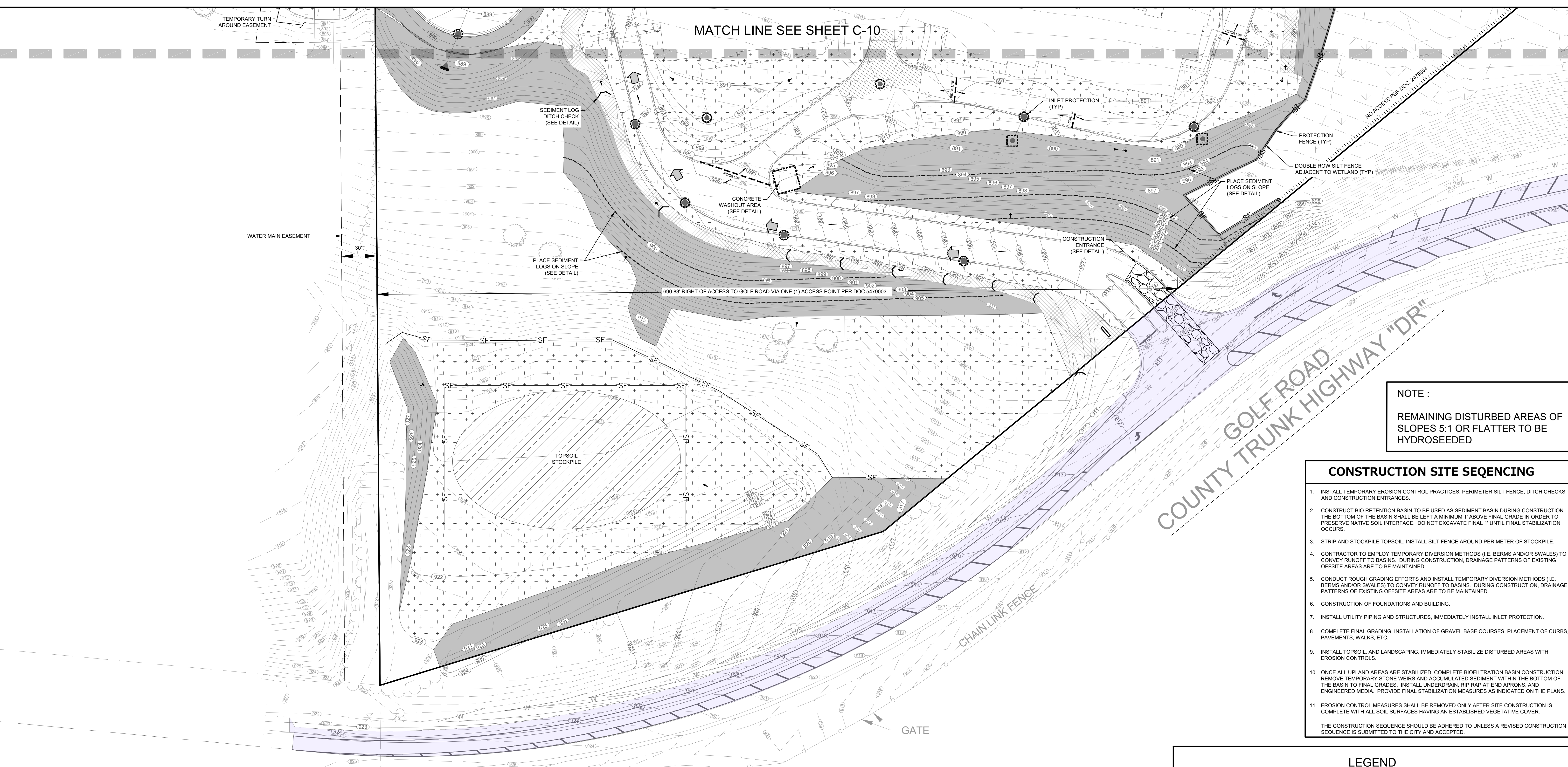
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START DATE 07-27-24
SCALE 1" = 40'

SHEET
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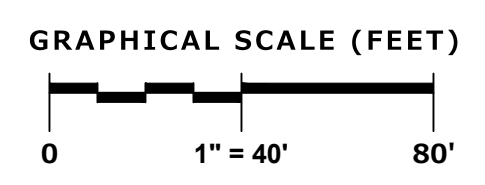
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MATCH LINE SEE SHEET C-10

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LEGEND

	STORM SEWER MANHOLE		TYPE D INLET PROTECTION
	CATCH BASIN (ROUND CASTING)		TYPE A INLET PROTECTION
	CATCH BASIN (RECTANGULAR CASTING)		CONSTRUCTION ENTRANCE
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	NORMAL WATER LEVEL (NWL)		RIP RAP
	PROPOSED CONTOUR		TURF REINFORCEMENT MAT (TRM)
	PROPOSED SPOT ELEVATION		SEE ROADWAY INFRASTRUCTURE PLAN
	WETLANDS		
	FLOODPLAIN		
	SEDIMENT LOGS ON SLOPE		
	CULVERT PIPE CHECK		
	SEDIMENT LOG DITCH CHECK		

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	PROPOSED CONTOUR		SEE ROADWAY INFRASTRUCTURE PLAN
	PROPOSED SPOT ELEVATION		
	WETLANDS		
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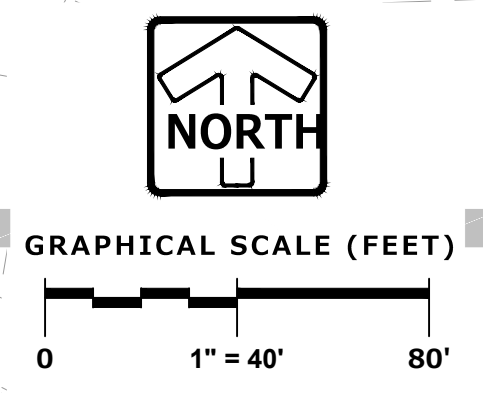
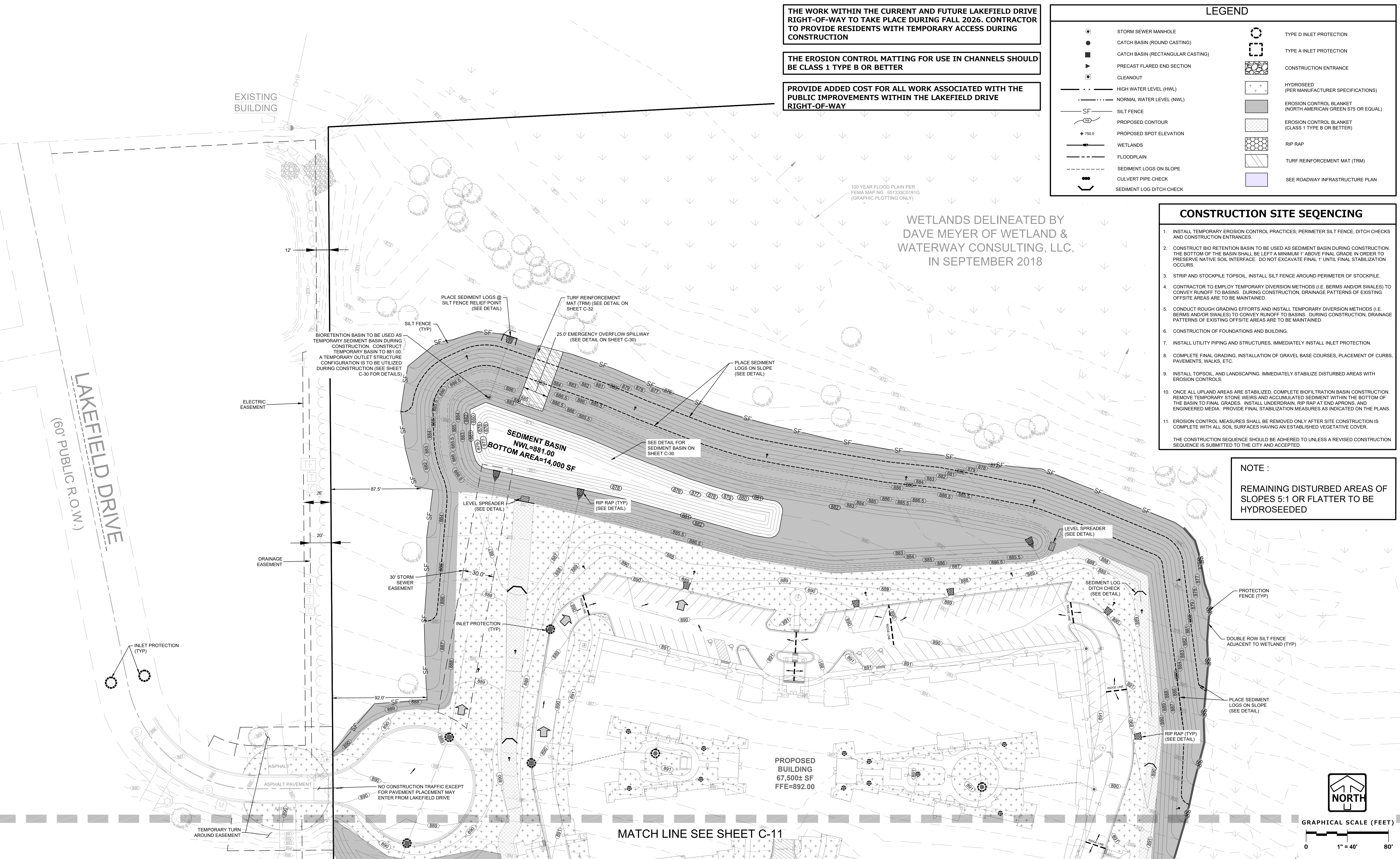
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WETLANDS DELINEATED BY
DAVE MEYER OF WETLAND &
WATERWAY CONSULTING, LLC.
IN SEPTEMBER 2018

100 YEAR FLOOD PLAIN PER
FEMA MAP NO. 55133C0191G
(GRAPHIC PLOTTING ONLY)



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PROPOSED CBRF

INTERIM GRADING & EROSION CONTROL PLAN

N15 W27110 GOLF RD PEWAUKEE, WI 53072

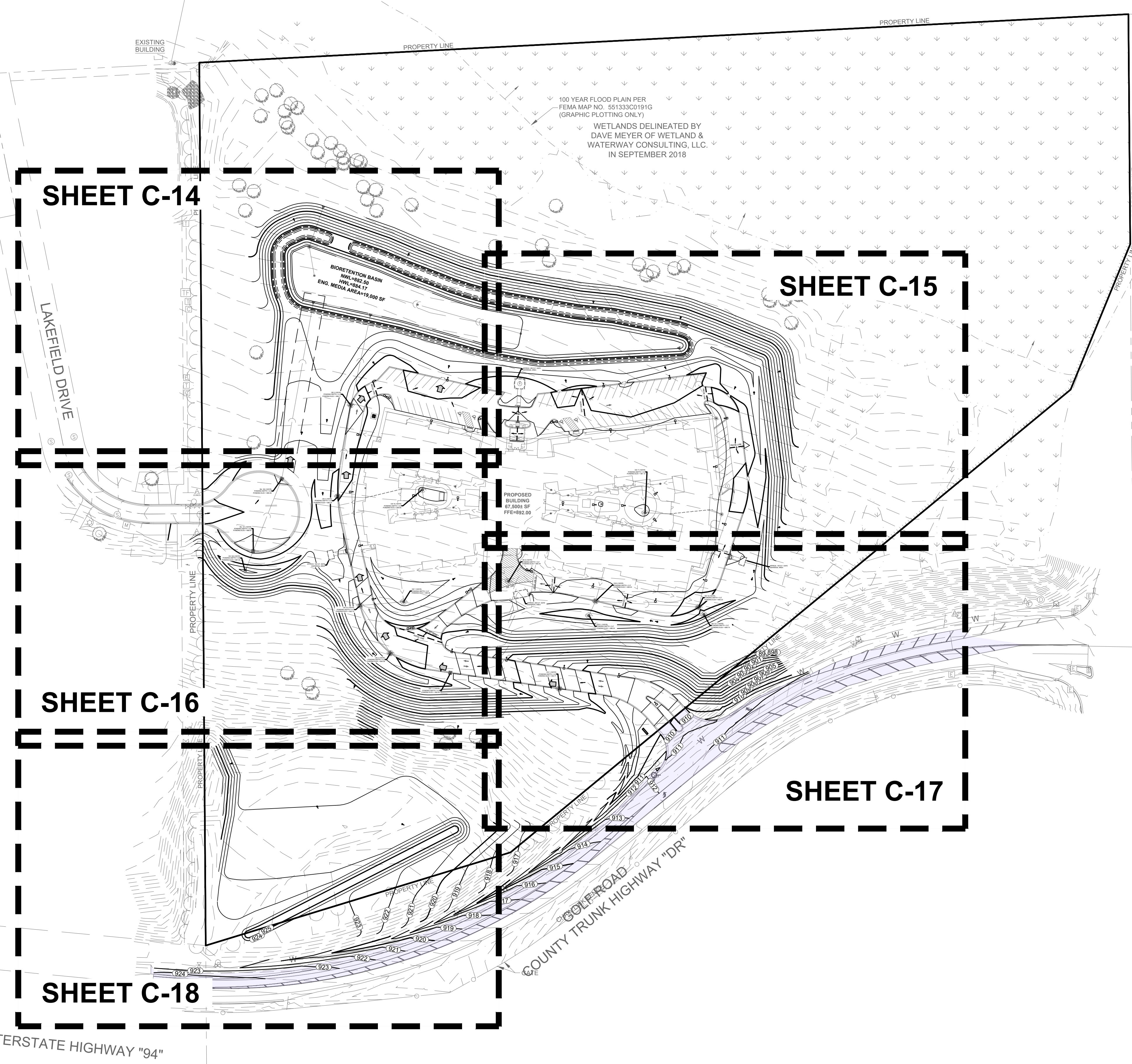
REVISIONS	
9	CITY COMMENTS 01/09/26
10	CITY COMMENTS 03/02/26
11	BID SET 04/13/26
12	ADDENDA #1 04/29/26
13	ADDENDA #2 05/04/26
6	DHS SUBMITTAL 09/05/25
7	CITY COMMENTS 11/04/25
8	LPSD COMMENTS 12/08/25

REG JOB NO. 1338-10
REG PM MTS
START DATE 07-27-24
SCALE 1" = 40'

SHEET C-12 C-36

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SHEET C-14

SHEET C-15

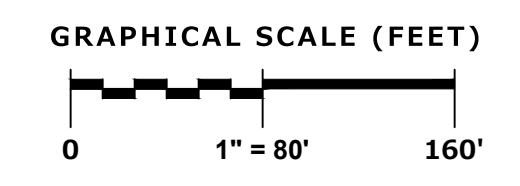
SHEET C-16

SHEET C-17

SHEET C-18

LEGEND	
	SANITARY SEWER MANHOLE
	STORM SEWER MANHOLE
	STORM CATCH BASIN (ROUND CASTING)
	STORM SEWER CATCH BASIN (RECTANGULAR CASTING)
	PRECAST FLARED END SECTION
	CLEANOUT
	VALVE BOX
	FIRE HYDRANT
	WATER MANHOLE & CHECK VALVE
	PROPOSED CONTOUR
	PROPOSED SPOT ELEVATION
	DIRECTION OF SURFACE FLOW
	OVERFLOW RELIEF ROUTING
	SEE ROADWAY INFRASTRUCTURE PLAN

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2



DESIGNED: ATH
DRAFTED: ATH
REVIEWED: TOM

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SPOT GRADE OVERVIEW

N15 W27110 GOLF RD PEWAUKEE, WI 53072

SPOT GRADE OVERVIEW

REVISIONS	
9 - CITY COMMENTS	01/09/26
10 - CITY COMMENTS	03/02/26
11 - BID SET	04/13/26
12 - ADDENDA #1	04/29/26
13 - ADDENDA #2	05/04/26
6 - DHS SUBMITTAL	09/05/25
7 - CITY COMMENTS	11/04/25
8 - LPSD COMMENTS	12/08/25

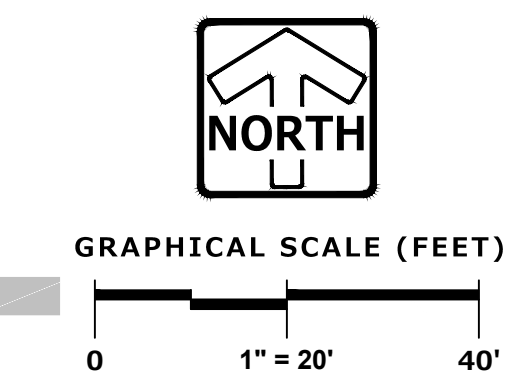
REG JOB NO. 1338-10	MIS	SHEET
REG PM	START DATE 07-27-22	C-13
SCALE 1" = 80'		C-36

DESIGNED: AFH
 DRAFTED: AFH
 REVIEWED: TOM
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LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM CATCH BASIN (ROUND CASTING)
- STORM SEWER CATCH BASIN (RECTANGULAR CASTING)
- ▶ PRECAST FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- WATER MANHOLE & CHECK VALVE
- ~ PROPOSED CONTOUR
- ▲ PROPOSED SPOT ELEVATION
- DIRECTION OF SURFACE FLOW
- ➔ OVERFLOW RELIEF ROUTING
- ▭ SEE ROADWAY INFRASTRUCTURE PLAN

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2



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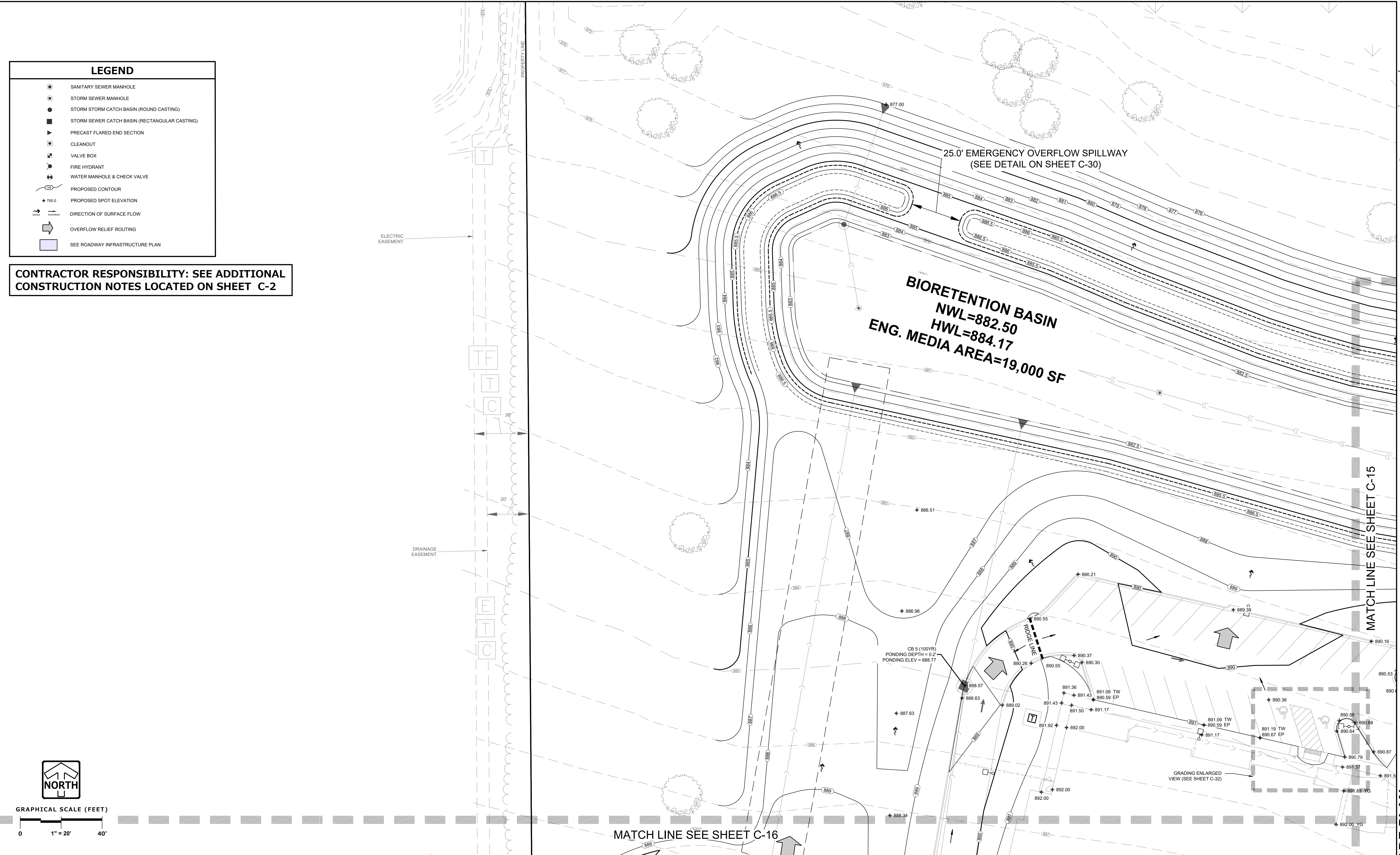
PROPOSED CBRF

N15 W27110 GOLF RD PEWAUKEE, WI 53072

SPOT GRADE PLAN

REVISIONS	
9 - CITY COMMENTS	01/09/26
10 - CITY COMMENTS	03/02/26
11 - BID SET	04/13/26
12 - ADDENDA #1	04/29/26
13 - ADDENDA #2	05/04/26
6 - DHS SUBMITTAL	09/05/25
7 - CITY COMMENTS	11/04/25
8 - LPSD COMMENTS	12/08/25

REG JOB No. 1338-10
 REG PM MTS
 START DATE 07-27-24
 SCALE 1" = 20'
SHEET C-14
C-36



MATCH LINE SEE SHEET C-15

MATCH LINE SEE SHEET C-16

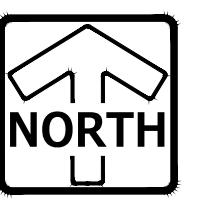
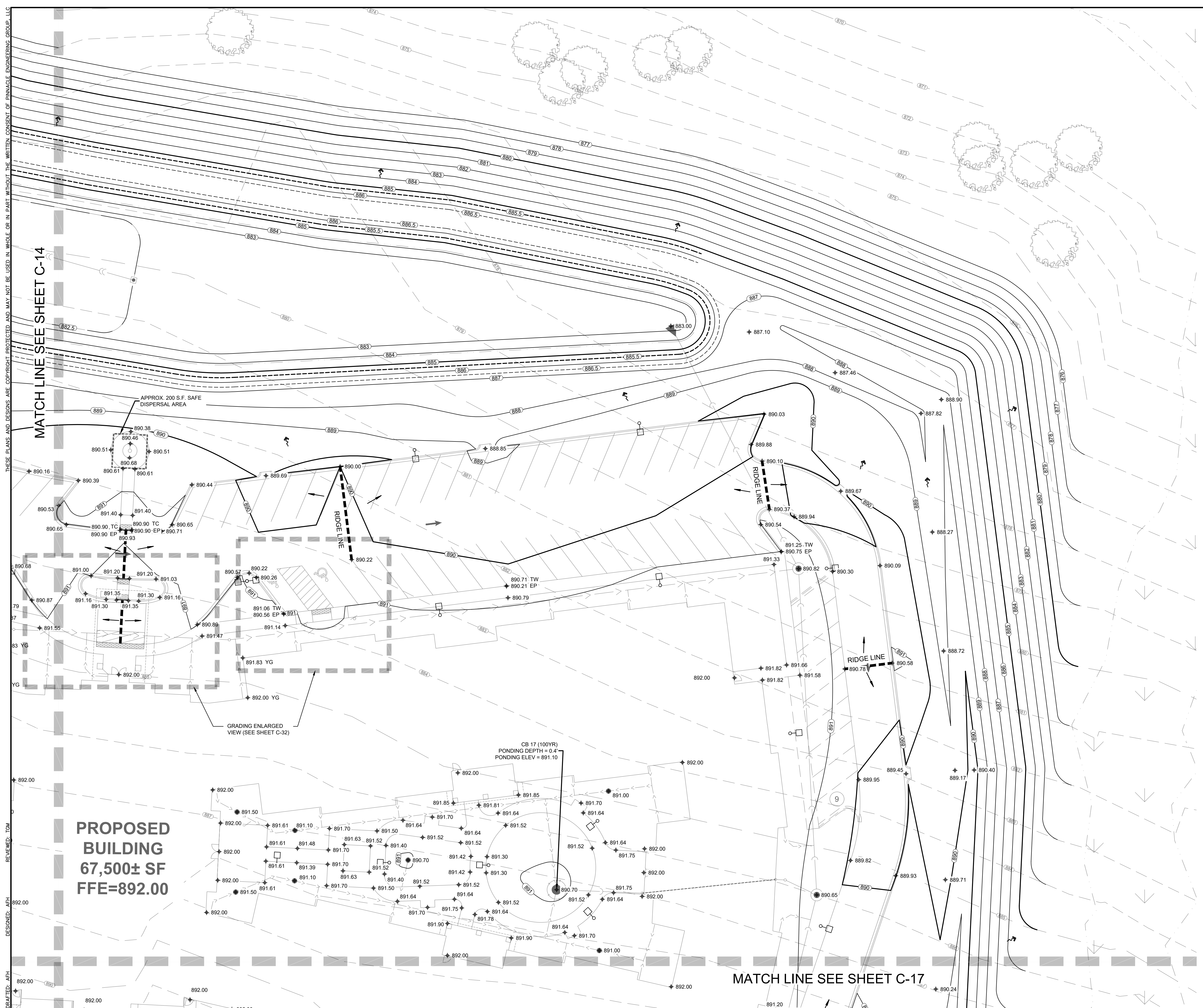
SPOT GRADE PLAN

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LEGEND	
	SANITARY SEWER MANHOLE
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN (ROUND CASTING)
	STORM SEWER CATCH BASIN (RECTANGULAR CASTING)
	PRECAST FLARED END SECTION
	CLEANOUT
	VALVE BOX
	FIRE HYDRANT
	WATER MANHOLE & CHECK VALVE
	PROPOSED CONTOUR
	PROPOSED SPOT ELEVATION
	DIRECTION OF SURFACE FLOW
	OVERFLOW RELIEF ROUTING
	SEE ROADWAY INFRASTRUCTURE PLAN

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2



GRAPHICAL SCALE (FEET)
0 1" = 20' 40'

DESIGNED: ACH
DRAFTED: ACH
REVIEWED: TOM

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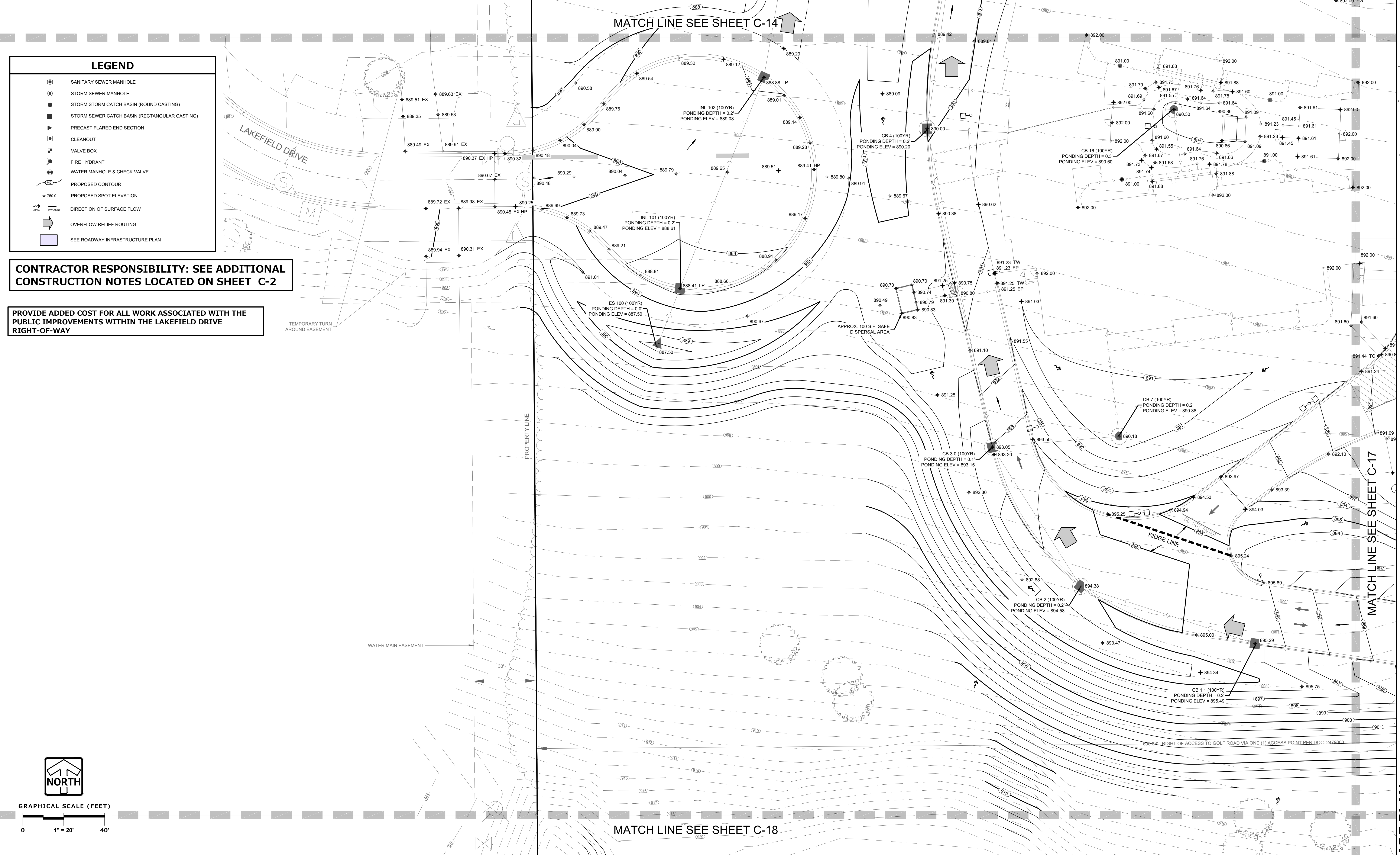
SPOT GRADE PLAN

REVISIONS	
9 CITY COMMENTS	01/09/26
10 CITY COMMENTS	03/02/26
11 BID SET	04/13/26
12 ADDENDA #1	04/29/26
13 ADDENDA #2	05/04/26
6 DHS SUBMITTAL	09/05/25
7 CITY COMMENTS	11/04/25
8 LPSD COMMENTS	12/08/25

REG JOB No. 1338-10	MTS	SHEET
REG PM	START DATE 07-27-24	C-15
SCALE 1" = 20'		C-36

DESIGNED: AFH
DRAFTED: AFH
REVIEWED: TOM
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SPOT GRADE PLAN



LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM CATCH BASIN (ROUND CASTING)
- STORM CATCH BASIN (RECTANGULAR CASTING)
- ▶ PRECAST FLARED END SECTION
- CLEANOUT
- ▣ VALVE BOX
- FIRE HYDRANT
- ⊕ WATER MANHOLE & CHECK VALVE
- PROPOSED CONTOUR
- ▲ 750.0 PROPOSED SPOT ELEVATION
- DIRECTION OF SURFACE FLOW
- ➔ OVERFLOW RELIEF ROUTING
- ▭ SEE ROADWAY INFRASTRUCTURE PLAN

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

PROVIDE ADDED COST FOR ALL WORK ASSOCIATED WITH THE PUBLIC IMPROVEMENTS WITHIN THE LAKEFIELD DRIVE RIGHT-OF-WAY

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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SPOT GRADE PLAN

N15 W27110 GOLF RD PEWAUKEE, WI 53072

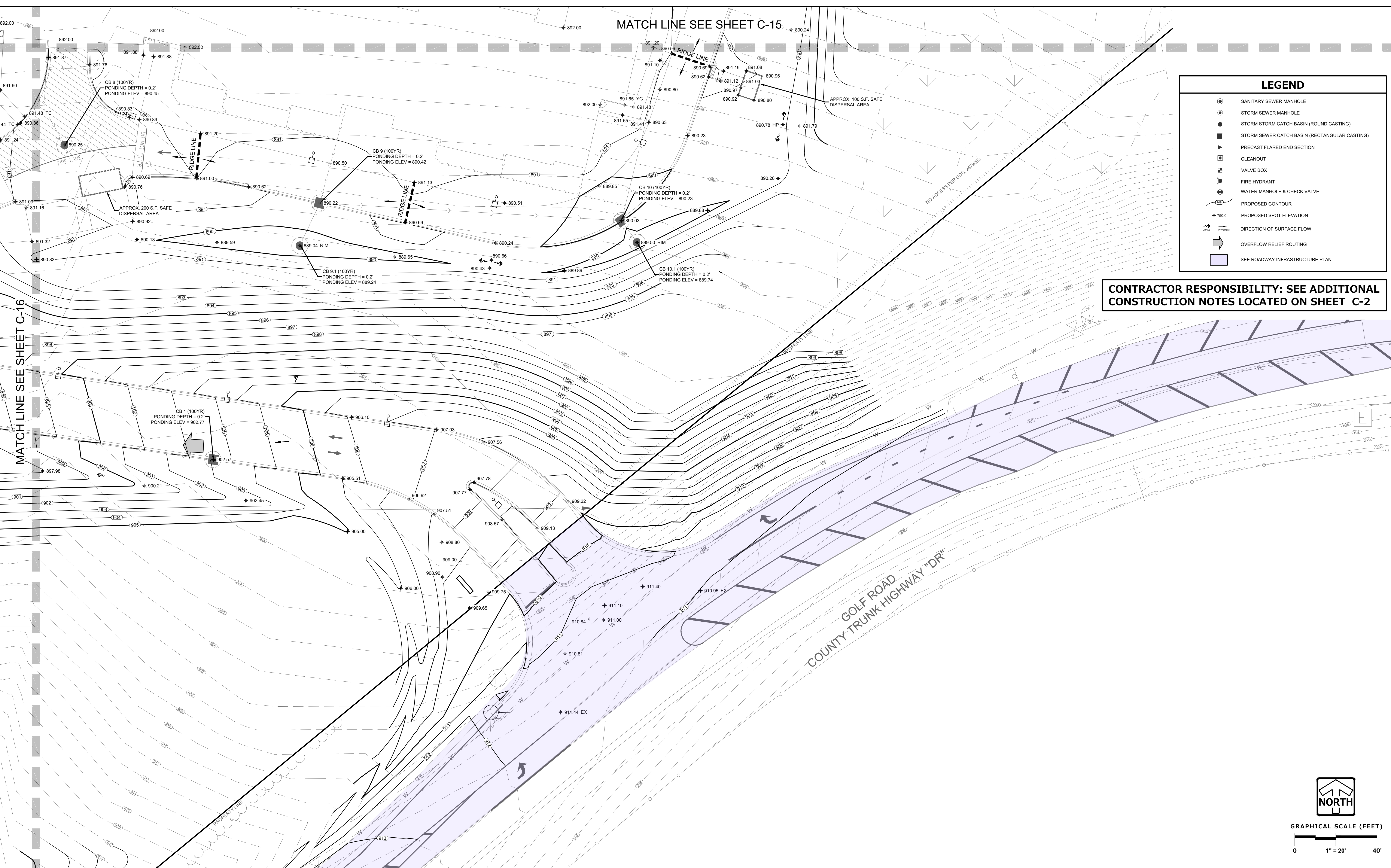
REVISIONS

9	CITY COMMENTS	01/09/26	13	ADDENDA #2	05/04/26
10	CITY COMMENTS	03/02/26	6	DHS SUBMITTAL	09/05/25
11	BID SET	04/13/26	7	CITY COMMENTS	11/04/25
12	ADDENDA #1	04/29/26	8	LPSD COMMENTS	12/08/25

REG JOB No. 1338-10
REG PM MTS
START DATE 07-27-24
SCALE 1" = 20'

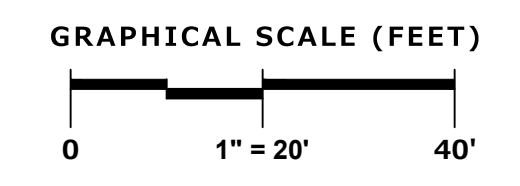
SHEET C-16
C-36

DESIGNED: ACH
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LEGEND	
	SANITARY SEWER MANHOLE
	STORM SEWER MANHOLE
	STORM CATCH BASIN (ROUND CASTING)
	STORM CATCH BASIN (RECTANGULAR CASTING)
	PRECAST FLARED END SECTION
	CLEANOUT
	VALVE BOX
	FIRE HYDRANT
	WATER MANHOLE & CHECK VALVE
	PROPOSED CONTOUR
	PROPOSED SPOT ELEVATION
	DIRECTION OF SURFACE FLOW
	OVERFLOW RELIEF ROUTING
	SEE ROADWAY INFRASTRUCTURE PLAN

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2



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SPOT GRADE PLAN
N15 W27110 GOLF RD PEWAUKEE, WI 53072

SPOT GRADE PLAN

REVISIONS	
9 - CITY COMMENTS	01/09/26
10 - CITY COMMENTS	03/02/26
11 - BID SET	04/13/26
12 - ADDENDA #1	04/29/26
13 - ADDENDA #2	05/04/26
6 - DHS SUBMITTAL	09/05/25
7 - CITY COMMENTS	11/04/25
8 - LPSD COMMENTS	12/08/25

REG JOB NO. 1338-10	MTS	SHEET
REG PM	START DATE 07-27-24	C-17
SCALE 1" = 20'		C-36

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 SPOT GRADE PLAN

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SPOT GRADE PLAN

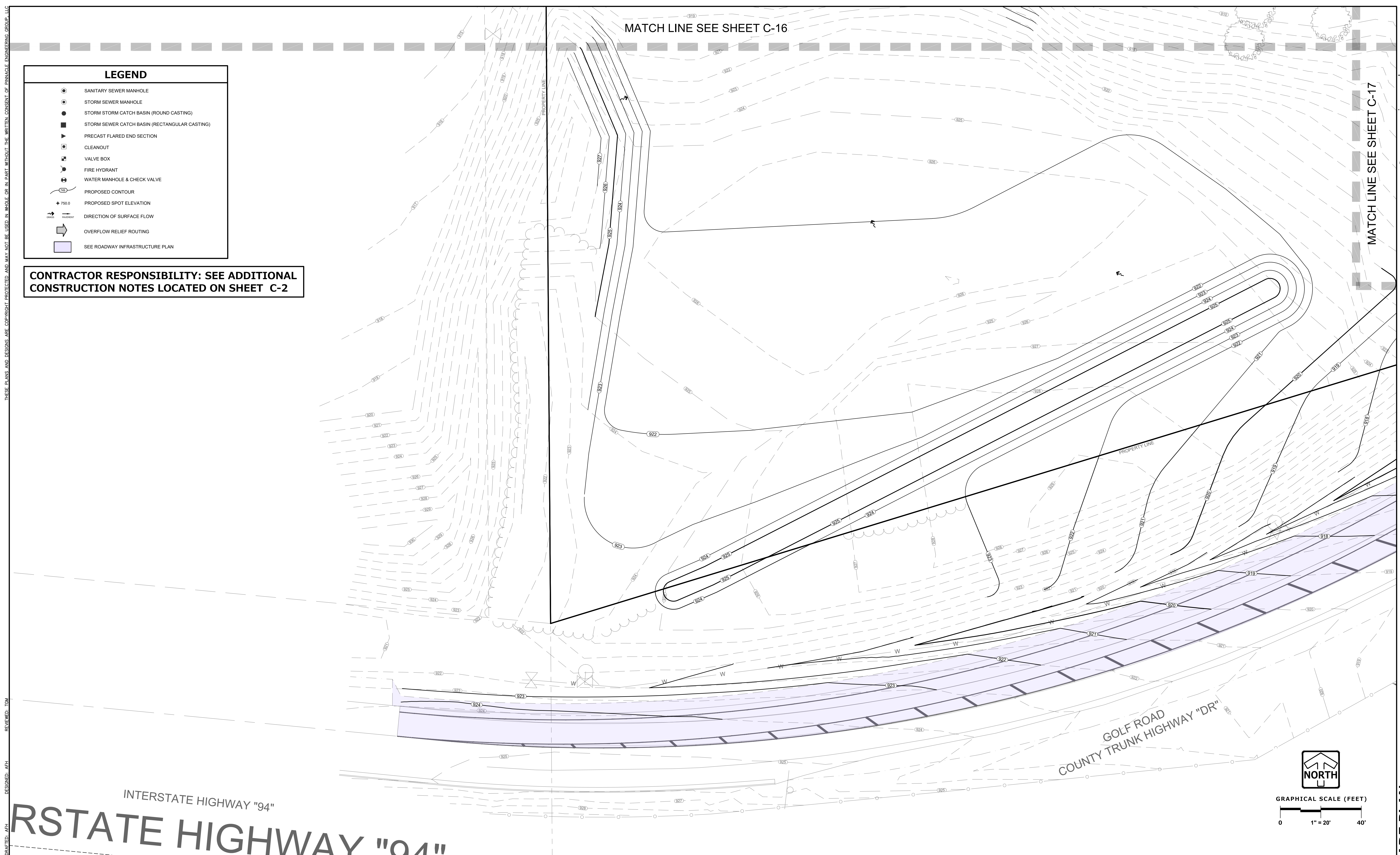
LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM STORM CATCH BASIN (ROUND CASTING)
- STORM SEWER CATCH BASIN (RECTANGULAR CASTING)
- ▼ PRECAST FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- WATER MANHOLE & CHECK VALVE
- PROPOSED CONTOUR
- ▲ 750.0 PROPOSED SPOT ELEVATION
- DIRECTION OF SURFACE FLOW
- OVERFLOW RELIEF ROUTING
- SEE ROADWAY INFRASTRUCTURE PLAN

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

MATCH LINE SEE SHEET C-16

MATCH LINE SEE SHEET C-17



INTERSTATE HIGHWAY "94"

GOLF ROAD
COUNTY TRUNK HIGHWAY "DR"



GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

INTERSTATE HIGHWAY "94"

DESIGNED: ACH
DRAFTED: ACH
REVIEWED: TOM

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SPOT GRADE PLAN

N15 W27110 GOLF RD PEWAUKEE, WI 53072

REVISIONS					
9	CITY COMMENTS	01/09/26	13	ADDENDA #2	05/04/26
10	CITY COMMENTS	03/02/26	6	DHS SUBMITTAL	09/05/25
11	BID SET	04/13/26	7	CITY COMMENTS	11/04/25
12	ADDENDA #1	04/29/26	8	LPSD COMMENTS	12/08/25

REG JOB No. 13388-10
MIS
START DATE 07-27-24
SCALE 1" = 20'

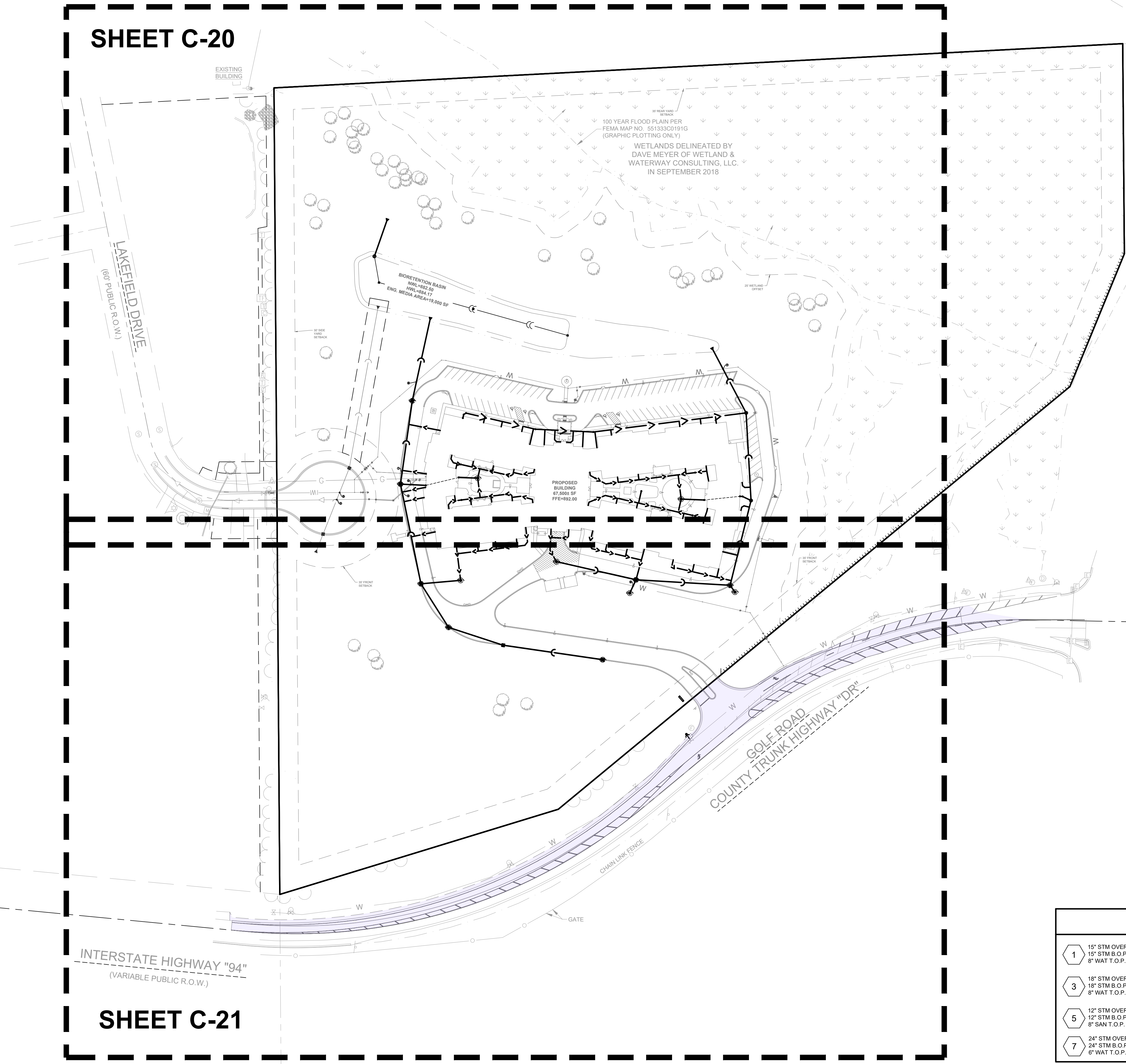
SHEET
C-18
C-36

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REVIEWED: TOM

DRAFTED: AFH

SHEET C-20



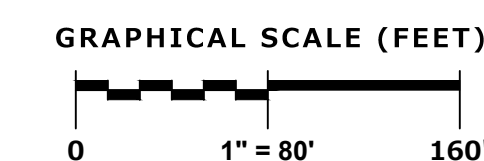
NOTE:
ALL CATCH BASINS SHALL HAVE UNDERDRAIN INSTALLED PER DETAIL ON SHEET C-29

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

CONTRACTOR TO PROVIDE MINIMUM OF 2.5' OF COVER AT ALL DOWNSPOUT CONNECTIONS TO STORM SEWER. CONNECTIONS TO BE MADE WITH 6" SDR-35 PVC @ MIN 1.00% SLOPE AND FITTED WITH WYE CONNECTIONS.

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN (ROUND CASTING)
- ▣ STORM SEWER CATCH BASIN (RECTANGULAR CASTING)
- ▤ PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- ▣ VALVE BOX
- ⊕ FIRE HYDRANT
- ⊕ WATER MANHOLE & CHECK VALVE
- SANITARY SEWER
- FORCE MAIN
- DOWNSPOUT CONNECTIONS
- STORM SEWER
- DRAIN TILE
- WATER MAIN
- FP FIRE PROTECTION
- UTILITY CROSSING
- ELECTRICAL CABLE
- GAS MAIN
- TELEPHONE LINE
- OVERHEAD WIRES
- ⊕ LIGHTING
- ⊕ ELECTRICAL TRANSFORMER OR PEDESTAL
- ⊕ POWER POLE
- ⊕ POWER POLE WITH LIGHTS
- STREET SIGN
- ▭ SEE ROADWAY INFRASTRUCTURE PLAN



CROSSINGS

1	15' STM OVER 8" WAT 15' STM B.O.P. = 885.56 8" WAT T.O.P. = 883.03	2	15' STM OVER 8" SAN 15' STM B.O.P. = 886.56 8" SAN T.O.P. = 883.18
3	18' STM OVER 8" WAT 18' STM B.O.P. = 884.52 8" WAT T.O.P. = 882.72	4	18' STM OVER 8" SAN 18' STM B.O.P. = 884.55 8" SAN T.O.P. = 881.96
5	12' STM OVER 8" SAN 12' STM B.O.P. = 886.13 8" SAN T.O.P. = 883.44	6	8" STM OVER 6" WAT 8" STM B.O.P. = 886.15 6" WAT T.O.P. = 884.27
7	24' STM OVER 8" WAT 24' STM B.O.P. = 882.93 6" WAT T.O.P. = 881.41	8	15' STM OVER 8" WAT 15' STM B.O.P. = 884.04 8" WAT T.O.P. = 881.97

SHEET C-21

PROPOSED CBRF

STORM SEWER OVERVIEW

N15 W27110 GOLF RD PEWAUKEE, WI 53072

REVISIONS

9	CITY COMMENTS	01/09/26	13	ADDENDA #2	05/04/26
10	CITY COMMENTS	03/02/26	6	DHS SUBMITTAL	09/05/25
11	BID SET	04/13/26	7	CITY COMMENTS	11/04/25
12	ADDENDA #1	04/29/26	8	LPSD COMMENTS	12/08/25

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REG JOB NO. 1338-10
MIS
START DATE 07-27-24
SCALE 1" = 80'

SHEET C-19
C-36

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LEGEND	
	SANITARY SEWER MANHOLE
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN (ROUND CASTING)
	STORM SEWER CATCH BASIN (RECTANGULAR CASTING)
	PRECAST CONCRETE FLARED END SECTION
	CLEANOUT
	VALVE BOX
	FIRE HYDRANT
	WATER MANHOLE & CHECK VALVE
	SANITARY SEWER
	FORCE MAIN
	DOWNSPOUT CONNECTIONS
	STORM SEWER
	DRAIN TILE
	WATER MAIN
	FIRE PROTECTION
	UTILITY CROSSING
	ELECTRICAL CABLE
	GAS MAIN
	TELEPHONE LINE
	OVERHEAD WIRES
	LIGHTING
	ELECTRICAL TRANSFORMER OR PEDESTAL
	POWER POLE
	POWER POLE WITH LIGHTS
	STREET SIGN
	SEE ROADWAY INFRASTRUCTURE PLAN

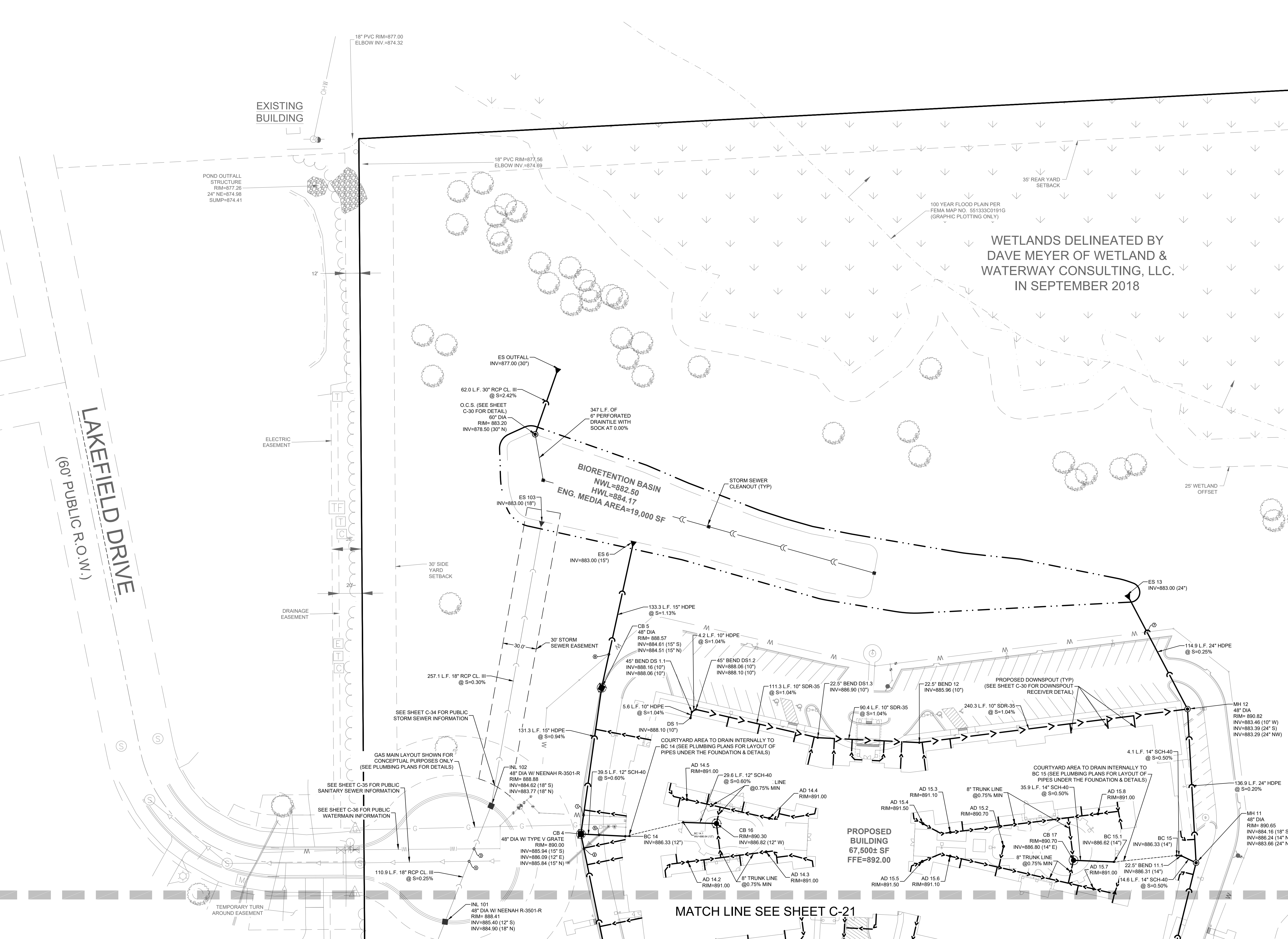
CONTRACTOR TO PROVIDE MINIMUM OF 2.5' OF COVER AT ALL DOWNSPOUT CONNECTIONS TO STORM SEWER. CONNECTIONS TO BE MADE WITH 6" SDR-35 PVC @ MIN 1.00% SLOPE AND FITTED WITH WYE CONNECTIONS.

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

PROVIDE ADDED COST FOR ALL WORK ASSOCIATED WITH THE PUBLIC IMPROVEMENTS WITHIN THE LAKEFIELD DRIVE RIGHT-OF-WAY

CROSSINGS	
1	15' STM OVER 8" WAT 15' STM B.O.P. = 885.56 8" WAT T.O.P. = 883.03
2	15' STM OVER 8" SAN 15' STM B.O.P. = 886.56 8" SAN T.O.P. = 883.18
3	18' STM OVER 8" WAT 18' STM B.O.P. = 884.52 8" WAT T.O.P. = 882.72
4	18' STM OVER 8" SAN 18' STM B.O.P. = 884.55 8" SAN T.O.P. = 881.96
5	12' STM OVER 6" WAT 12' STM B.O.P. = 886.13 6" SAN T.O.P. = 883.44
6	8' STM OVER 6" WAT 8' STM B.O.P. = 886.15 6" WAT T.O.P. = 884.27
7	24' STM OVER 8" WAT 24' STM B.O.P. = 882.93 8" WAT T.O.P. = 881.41
8	15' STM OVER 8" WAT 15' STM B.O.P. = 884.04 8" WAT T.O.P. = 881.97

NOTE:
ALL CATCH BASINS SHALL HAVE UNDERDRAIN INSTALLED PER DETAIL ON SHEET C-29



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PROPOSED CBRF

STORM SEWER PLAN

N15 W27110 GOLF RD PEWAUKEE, WI 53072

REVISIONS	
9	CITY COMMENTS 01/09/26
10	CITY COMMENTS 03/02/26
11	BID SET 04/13/26
12	ADDENDA #1 04/29/26
13	ADDENDA #2 05/04/26
6	DHS SUBMITTAL 09/05/25
7	CITY COMMENTS 11/04/25
8	LPSD COMMENTS 12/08/25

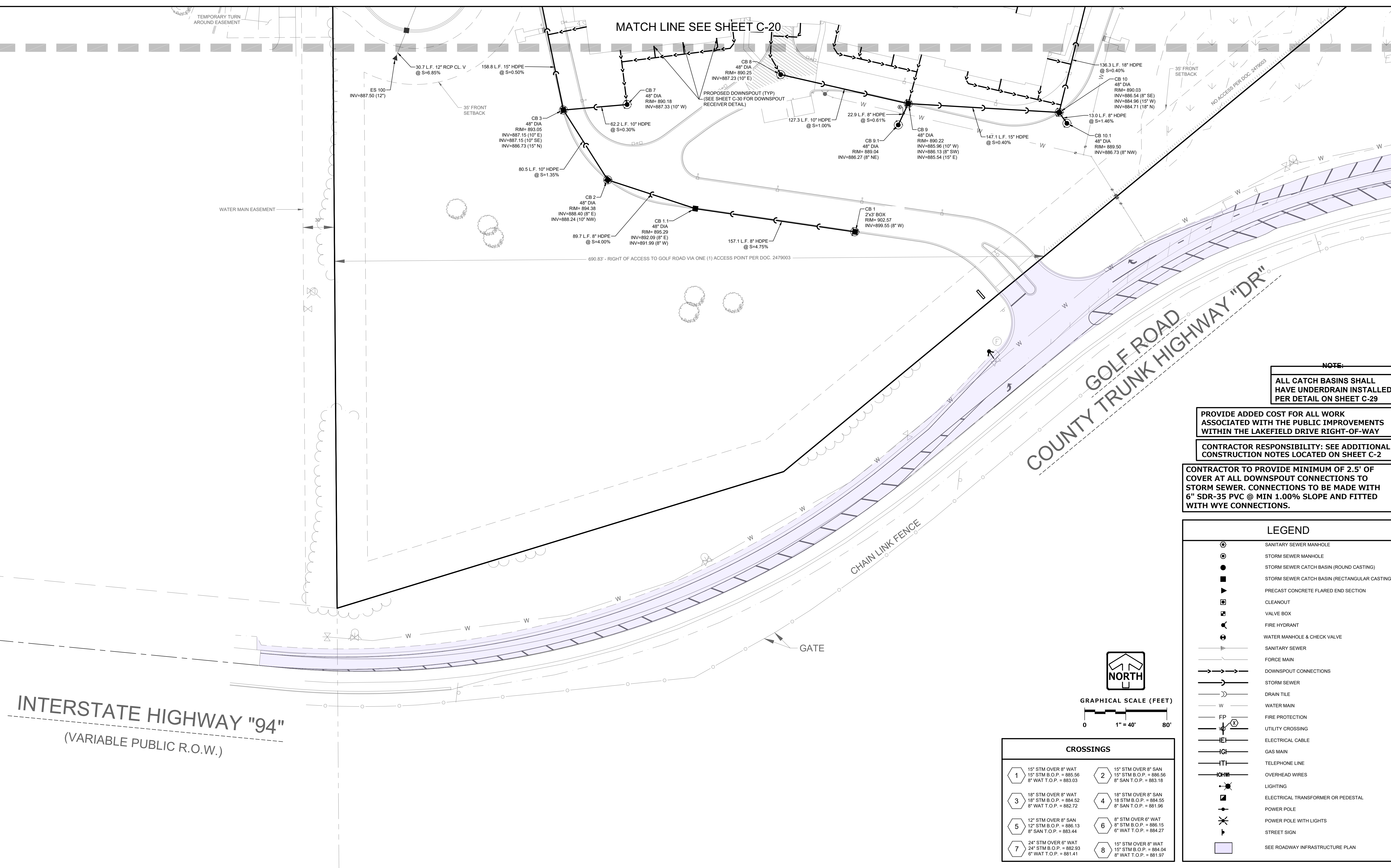
REG JOB NO. 1338-10
REG PM MTS
START DATE 07-27-24
SCALE 1" = 40'

SHEET C-20
C-36

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 DRAFTED: AFH
 DESIGNED: AFH
 REVIEWED: TOM

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 STORM SEWER PLAN



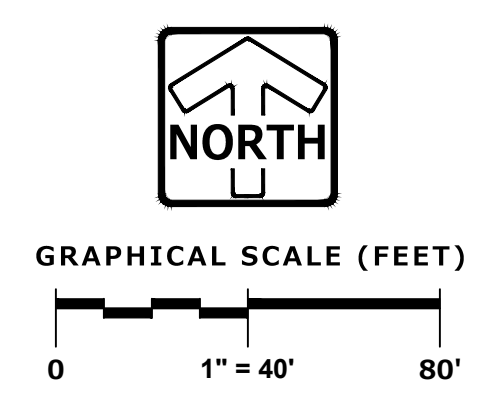
NOTE:
 ALL CATCH BASINS SHALL HAVE UNDERDRAIN INSTALLED PER DETAIL ON SHEET C-29

PROVIDE ADDED COST FOR ALL WORK ASSOCIATED WITH THE PUBLIC IMPROVEMENTS WITHIN THE LAKEFIELD DRIVE RIGHT-OF-WAY

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2

CONTRACTOR TO PROVIDE MINIMUM OF 2.5' OF COVER AT ALL DOWNSPOUT CONNECTIONS TO STORM SEWER. CONNECTIONS TO BE MADE WITH 6" SDR-35 PVC @ MIN 1.00% SLOPE AND FITTED WITH WYE CONNECTIONS.

LEGEND	
	SANITARY SEWER MANHOLE
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN (ROUND CASTING)
	STORM SEWER CATCH BASIN (RECTANGULAR CASTING)
	PRECAST CONCRETE FLARED END SECTION
	CLEANOUT
	VALVE BOX
	FIRE HYDRANT
	WATER MANHOLE & CHECK VALVE
	SANITARY SEWER
	FORCE MAIN
	DOWNSPOUT CONNECTIONS
	STORM SEWER
	DRAIN TILE
	WATER MAIN
	FIRE PROTECTION
	UTILITY CROSSING
	ELECTRICAL CABLE
	GAS MAIN
	TELEPHONE LINE
	OVERHEAD WIRES
	LIGHTING
	ELECTRICAL TRANSFORMER OR PEDESTAL
	POWER POLE
	POWER POLE WITH LIGHTS
	STREET SIGN
	SEE ROADWAY INFRASTRUCTURE PLAN



CROSSINGS	
1	15" STM OVER 8" WAT 15" STM B.O.P. = 885.56 8" WAT T.O.P. = 883.03
2	15" STM OVER 8" SAN 15" STM B.O.P. = 886.56 8" SAN T.O.P. = 883.18
3	18" STM OVER 8" WAT 18" STM B.O.P. = 884.52 8" WAT T.O.P. = 882.72
4	18" STM OVER 8" SAN 18" STM B.O.P. = 884.55 8" SAN T.O.P. = 881.96
5	12" STM OVER 8" SAN 12" STM B.O.P. = 886.13 8" SAN T.O.P. = 883.44
6	8" STM OVER 6" WAT 8" STM B.O.P. = 886.15 6" WAT T.O.P. = 884.27
7	24" STM OVER 6" WAT 24" STM B.O.P. = 882.93 6" WAT T.O.P. = 881.41
8	15" STM OVER 8" WAT 15" STM B.O.P. = 884.04 8" WAT T.O.P. = 881.97

INTERSTATE HIGHWAY "94"
 (VARIABLE PUBLIC R.O.W.)

PINNACLE ENGINEERING GROUP
 ENGINEERING | NATURAL RESOURCES | SURVEYING
 20725 WATERTOWN ROAD, SUITE 100
 BROOKFIELD, WI 53186
 (262) 754-8888
 CHICAGO | MILWAUKEE | NATIONWIDE

PROPOSED CBRF
STORM SEWER PLAN
N15 W27110 GOLF RD PEWAUKEE, WI 53072

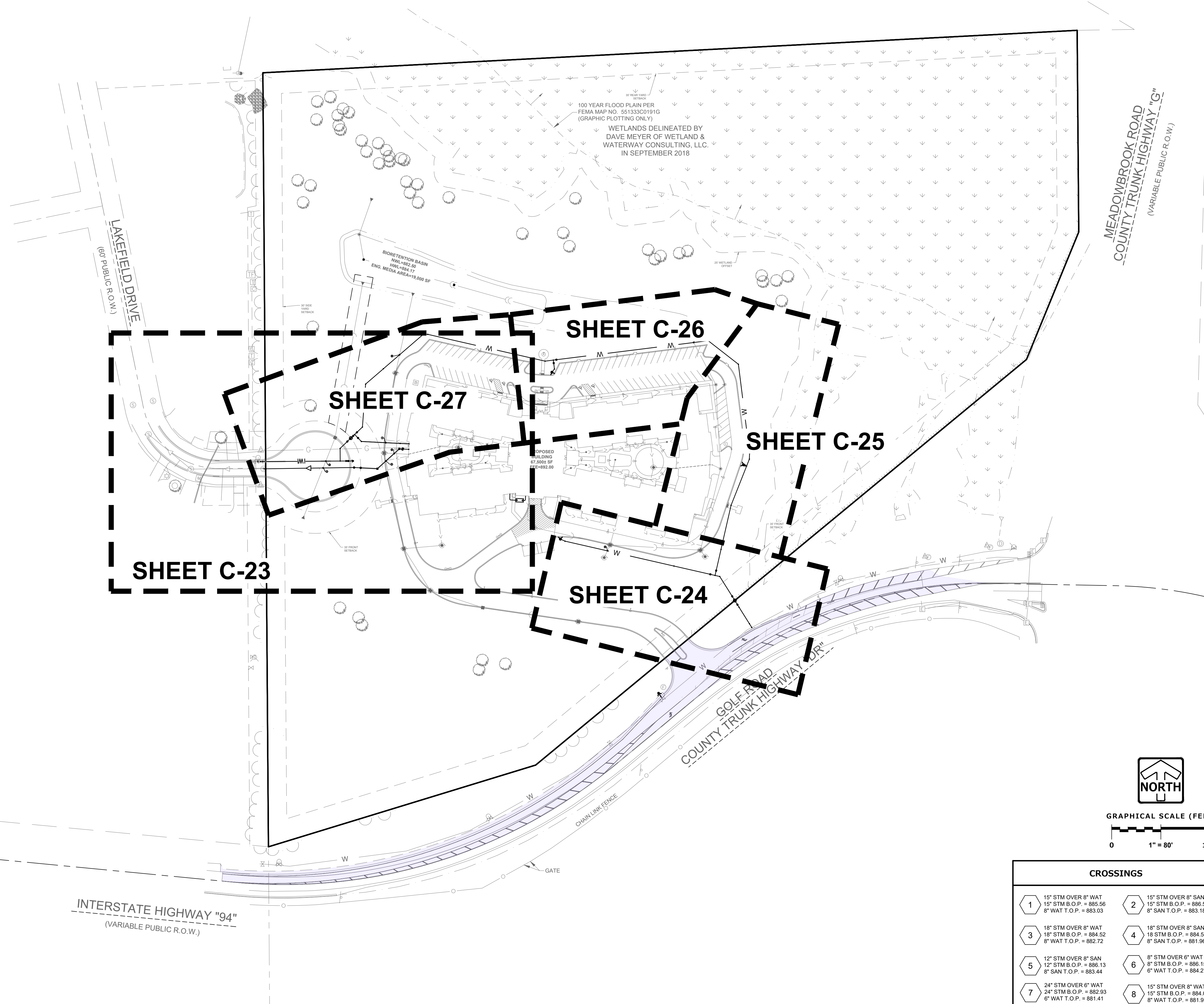
REVISIONS	
9	CITY COMMENTS 01/09/26
10	CITY COMMENTS 03/02/26
11	BID SET 04/13/26
12	ADDENDA #1 04/29/26
13	ADDENDA #2 05/04/26
6	DHS SUBMITTAL 09/05/25
7	CITY COMMENTS 11/04/25
8	LPSD COMMENTS 12/08/25

REG JOB No. 13388-10
 MTS
 START DATE 07-27-24
 SCALE 1" = 40'
 SHEET
C-21
C-36

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REVIEWED: TOM

DRAFTED: ACH



SHEET C-23

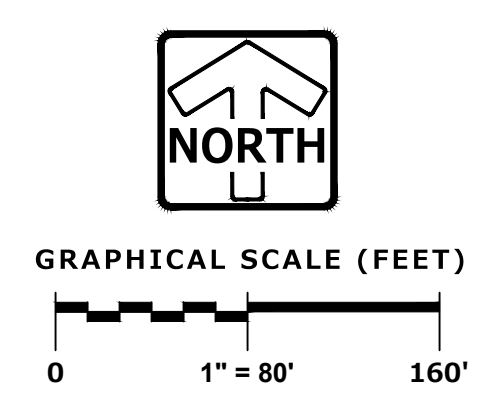
SHEET C-24

SHEET C-25

SHEET C-26

SHEET C-27

CONTRACTOR RESPONSIBILITY: SEE ADDITIONAL CONSTRUCTION NOTES LOCATED ON SHEET C-2



CROSSINGS

1	15' STM OVER 8" WAT 15' STM B.O.P. = 885.56 8" WAT T.O.P. = 883.03	2	15' STM OVER 8" SAN 15' STM B.O.P. = 886.56 8" SAN T.O.P. = 883.18
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LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN (ROUND CASTING)
- STORM SEWER CATCH BASIN (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- WATER MANHOLE & CHECK VALVE
- SANITARY SEWER
- FORCE MAIN
- DOWNSPOUT CONNECTIONS
- STORM SEWER
- DRAIN TILE
- WATER MAIN
- FIRE PROTECTION
- UTILITY CROSSING
- ELECTRICAL CABLE
- GAS MAIN
- TELEPHONE LINE
- OVERHEAD WIRES
- LIGHTING
- ELECTRICAL TRANSFORMER OR PEDESTAL
- POWER POLE
- POWER POLE WITH LIGHTS
- STREET SIGN
- SEE ROADWAY INFRASTRUCTURE PLAN

PLAN | DESIGN | DELIVER
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PROPOSED CBRF

N15 W27110 GOLF RD PEWAUKEE, WI 53072

SANITARY & WATERMAIN OVERVIEW

REVISIONS

9	CITY COMMENTS	01/09/26	13	ADDENDA #2	05/04/26
10	CITY COMMENTS	03/02/26	6	DHS SUBMITTAL	09/05/25
11	BID SET	04/13/26	7	CITY COMMENTS	11/04/25
12	ADDENDA #1	04/29/26	8	LPSD COMMENTS	12/08/25

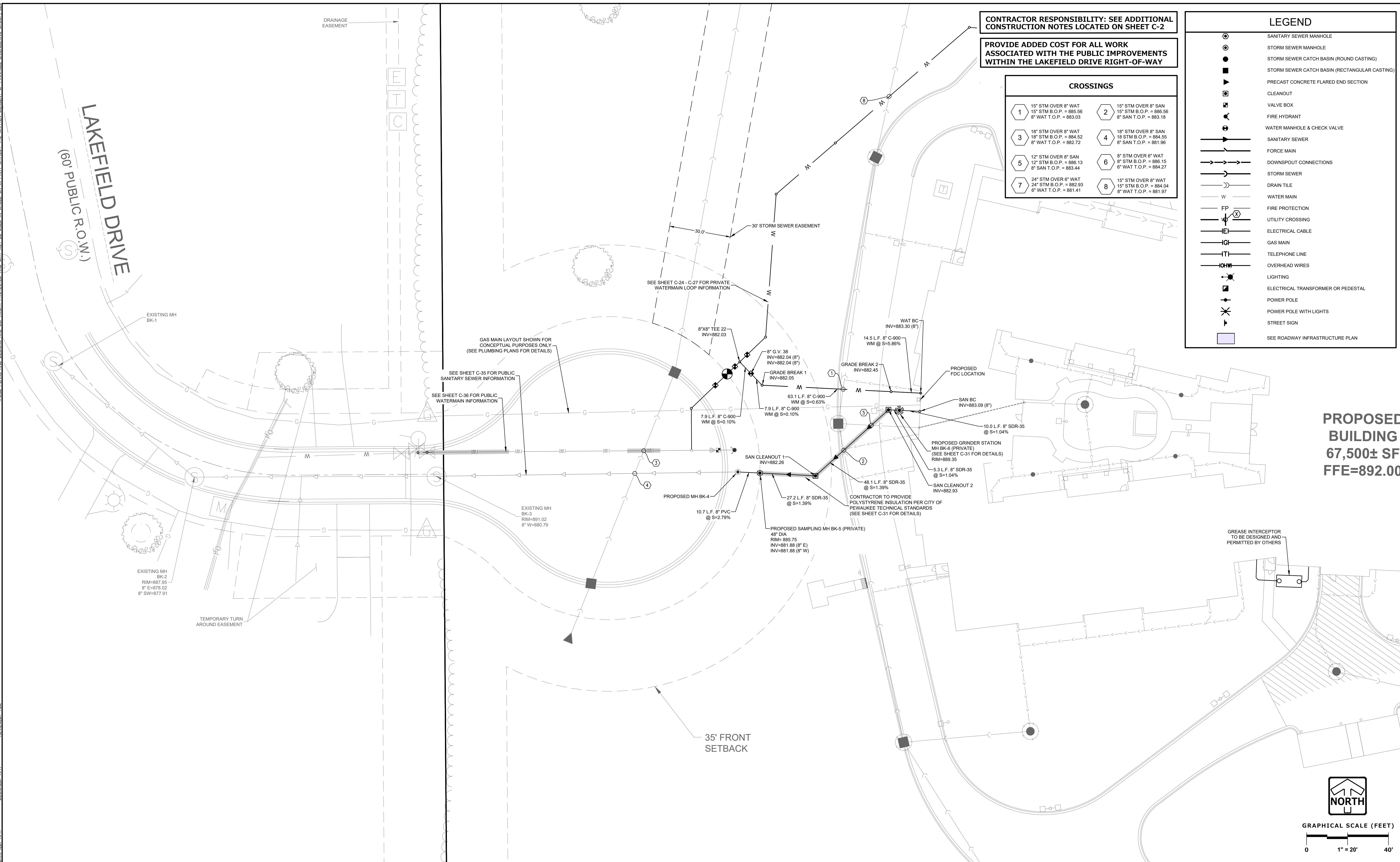
REG JOB NO. 1338-10
REG PM MTS
START DATE 07-27-24
SCALE 1" = 80'

SHEET C-22
C-36

www.pinnacle-engr.com

SANITARY & WATERMAIN OVERVIEW

DESIGNED: ATH
 DRAFTED: ATH
 REVIEWED: TOM
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