PLAN COMMISSION

City of Kaukauna
Council Chambers
Municipal Services Building
144 W. Second Street, Kaukauna

Thursday, May 22, 2025 at 4:00 PM

AGENDA

In-Person in Common Council Chambers, City of Kaukauna

1. Roll Call.

2. Approval of Minutes.
   a. Approve Minutes from May 8, 2025

3. Old Business.

4. New Business.
   a. Plan Commission Resource Memo
   b. Site Plan Review-Haen Elementary School
   c. Site Plan Review- 1801 Progress Way (G & G Machine Inc)
   d. Site Plan Review- 101 Kelso Rd
   e. Site Plan Review- Change to site plan at 1800 Crooks

5. Other Business.

6. Adjourn.

NOTICES

IF REQUESTED THREE (3) DAYS PRIOR TO THE MEETING, A SIGN LANGUAGE INTERPRETER WILL BE MADE AVAILABLE AT NO CHARGE.

PLAN COMMISSION
City of Kaukauna
Council Chambers
Municipal Services Building
144 W. Second Street, Kaukauna

Thursday, May 8, 2025 at 4:00 PM

MINUTES

In-Person

Mayor Penterman called the meeting to order at 4:00 p.m.

1. Roll Call

   Members Present: Brett Jensen, Giovanna Feller, John Neumeier, John Moore, Michael Avanzi, Pennie Thiele, Mayor Tony Penterman

   Absent: Ken Schoenike

   Other(s) Present: Planning and Community Development Director Dave Kittel, Associate Planner Adrienne Nelson, Times Villager Reporter Brian Roebke

   Moore made a motion to excuse the absent member. Seconded by Neumeier. Motion passed unanimously.

2. Approval of Minutes
   a. Approve Minutes from April 17, 2025

      Moore made a motion to approve the minutes from April 17, 2025. Seconded by Feller. Motion passed unanimously.

3. Old Business
   a. Sign Ordinance Update

Director Kittel re-introduced the discussion on updating and reorganizing the city's sign ordinance. In March, direction was given to staff by Plan Commission to move forward with efforts to clean up and organize the sign ordinance with the goal of making the ordinance easier to understand and locate within the municipal code. Currently, regulations related to specific types of signage are found in 17.03, the definition section. Staff is suggesting moving signage regulations out of section 17.03 and moving additional sign and billboard information out of section 17.32 in order to create a sign code specific chapter within the zoning code called section 17.33.

Kittel explained that the next change suggested by staff is to update the language and format for signage in each individual zoning district. The first district being looked at by staff is the CCD (Commercial Core District). The draft format uses existing regulations but removes unnecessary verbiage with the goal of providing clarity on what is allowed for each type of signage. Staff is also proposing removing the CCD's limitation on one sign per wall of a building fronting a street or public way and instead allowing for multiple signs, with the caveat that signs are limited to 15% of the wall area. This is helpful in the case of buildings that have two storefronts, and it allows each business located in a building to have their own sign, provided that the total amount of signage does not exceed 15% of the wall area.

Kittel added that another suggestion by staff is to allow properties in the CCD that meet the requirements of the CHD (Commercial Highway District) to apply for signage in compliance with CHD signage requirements with approval of the Plan Commission. Kittel showed on a map the properties in the CCD that meet the size requirements of the CHD. He explained that, although there are several properties that meet the size requirements for CHD, only a few meet the setback requirements. Because of this, only a handful of properties could realistically take advantage of this opportunity: Kwik Trip, Wellness 360, McDonald's, and two apartment complexes. Plan Commission would ultimately have final say on whether signage is approved in these instances. At this time, staff is seeking feedback on how to proceed.

Moore asked if houses within the CCD would be able to apply for signage.

Kittel explained that houses would not be able to apply for signage because of their residential status, but that additional language could be added to clarify this.

Moore asked about buildings within the CCD where businesses are located on the first floor and rentals are located on the second floor. Would those rentals be able to display signs, perhaps in their windows?

Kittel stated that rentals would not be able to. These restrictions would apply strictly to commercial users.

Moore requested that this detail be further clarified in the ordinance. He also asked how the ordinance section would be relabeled.

Kittel explained that parts of section 17.03 and 17.32 would be moved to a new section in 17 called section 17.33.

Moore asked if this would be coming back before the Plan Commission before approval.

Kittel answered that it would be, and that it will need to go before the Legislative Committee and Common Council as well before final approval.

No motion made.

4. New Business

   a. Rezoning Request – Parcel 322111500

Director Kittel introduced the proposed rezoning request for parcel 322111500. The proposal is to rezone this parcel from IND (Industrial) to CHD (Commercial Highway District). Upon review of the city's comprehensive plan, staff discovered that this parcel was always planned to be zoned CHD. At the time that this property was annexed into the City of Kaukauna, it was part of a larger parcel that was brought in as IND, and that zoning was never changed. Someone is now interested in purchasing the parcel and they are requesting that it be rezoned to CHD to allow for development outside of industrial use.

Moore asked what the different requirements between IND and CHD are regarding development.

Kittel explained that the change in zoning would allow for different uses of the property, such as for restaurants, health services, or financial services. Despite the size of the parcel, it is not conducive to industrial development because of the existing wetlands. CHD structures can be built on smaller parcels and therefore would be more conducive to commercial highway development. Light manufacturing is still allowed in the CHD as a special exception.

Neumeier made a motion to approve the rezoning of parcel 322111500 from IND to CHD and to recommend the same to the Common Council. Seconded by Moore. Motion passed unanimously.

b. Certified Survey Map Review – Parcel 322111500
Director Kittel introduced the proposed certified survey map for parcel 322111500. This CSM would divide the parcel into four lots, with one those lots being designated as an out lot. This will help with the future development of the land.

Moore asked if the lots created from this division, specifically lots 2 and 3, would be large enough for development. He also inquired further about the purpose of the out lot.

Kittel stated that lots 2 and 3 would be large enough for development. The out lot will allow for one right-of-way acquisition for the WisDOT improvement project. This right-of-way acquisition would be handled separately from the current CSM request.

Moore inquired as to why WisDOT selected this lot. They usually select an area closer to the intersection.

Kittel stated that the out lot is located in the lowest section of the parcel, and it will be the easiest one for the WisDOT to work with.

Moore made a motion to approval the certified survey map creating four lots for the Van Epern Family Trust. Seconded by Thiele. Motion passed unanimously.

c. Park Donation – Location Change Request Ben Bay Bench
Associate Planner Nelson introduced a request by Benjamin Bay to change the location of his donated bench from the Locks Trail to Quarry Point Park. His bench has been ordered but has not yet been installed. The Public Works Department has already confirmed that a bench could be installed at Quarry Point Park.

Moore made a motion to approve the change in location from the Locks Trail to Quarry Point Park for Benjamin Bay, as the bench has not yet been installed, and direct staff to work with the donor to finalize the location of the bench. Seconded by Neumeier. Motion passed unanimously.

d. Site Plan Review – 1900 Tower Drive
Director Kittel introduced the site plan for the creation of a 30,000 square foot warehouse for Quick Transport for their property located at 1900

Tower Drive. The warehouse will be located at the rear of the property. Quick Transport is also proposing adding a third driveway onto Tower Drive. This would improve truck traffic and allow for better maneuvering. The proposed driveway is located far enough away from the existing driveway to not be a cause for concern. Staff has reviewed the plan and confirmed that it is in compliance with all covenants and meets all requirements set forth in city ordinance. The site plan has been approved by the Industrial Park Commission.

Jensen made a motion to approve the site plan as presented with the condition that, prior to issuance of building permits, Stormwater and Erosion Control permits must be obtained from the Engineering Department. Seconded by Feller. Motion passed unanimously.

e. 14.07 Ordinance Amendment

Associate Planner Nelson introduced the proposed ordinance amendment for section 14.07 of the municipal code. This amendment would require surveys for new buildings and additions or as deemed necessary by staff, which would help prevent future issues with permitting for items such as sheds or fences.

Director Kittel added that the vast majority of contractors who apply for permits through the city already submit surveys, but there are some that do not. This amendment would save staff hours of time as well as help ensure compliance with wetland restrictions.

Mayor Penterman asked for clarity on what new builds this amendment would apply to. Would it apply for constructing something simple, such as a shed?

Kittel clarified that this amendment is meant for new buildings and additions. Additional language can be added to further clarify this.

Neumeier stated that he liked the concept. He asked what would happen if plans changed over the course of the project. Would contractors be required to submit an updated survey?

Jensen stated that staff would need an updated survey. Staff already require updated documents if changes are made.

Moore made a motion to recommend that staff pursue this ordinance change. Seconded by Neumeier. Motion passed unanimously.

f. 17.51 Ordinance Amendment

Director Kittel introduced the proposed ordinance amendment for section 17.51 of the municipal code. This amendment would bring the city's municipal code into compliance with a change in state law that states that a zoning amendment only requires approval by a simple majority of a quorum of the members-elect. This amendment also changes the fee requirement from $25.00 to "as set by the City Council by resolution from time to time".

Moore asked if all city fees are currently set by resolution.

Kittel explained that some fees are, particularly the newer fees. Staff eventually want to have all fees set by resolution and located in an index for reference. This would make them easier to find as well as to adjust when necessary.

Thiele made a motion to recommend approval of the updates to 17.51 to the Legislative Committee. Seconded by Moore. Motion passed unanimously.

g. Park Donation Updates

Associate Planner Nelson introduced the proposed update to the park donation policy guidelines. This update would increase the price for bench donations from $1,200.00 to $1,500.00 as well as add additional donation options. Language and layout of the policy guidelines would also be updated.

Director Kittel added that prices for the benches that the city orders have increased, not to mention prices for the plaque, the concrete pad, and staff time. The intent is to review costs annually to ensure that the city is able to breakeven.

Moore suggested that prices be set annually by the Planning and Community Development Department with approval from the Common Council in order to streamline the process and avoid giving out estimates. Staff should decide whether the plaque is considered in the overall price.

Mayor Penterman stated that he appreciated the wider variety of donation options, but had questions as to who would maintain some of the items listed, such as the planters.

Kittel explained that, for now, the city planters fall to the Planning and Community Development Department to take care of. Staff, however, is working to formulate a new program for planter maintenance.

Moore made a motion to increase the park bench donation fee to $1,500.00 and to recommend to Common Council that the Planning and Community Development Department be given permission to establish on an annual basis the donation prices, to include the product, plaque, and installation. Seconded by Neumeier. Motion passed unanimously.

h. Temporary Construction Easement – Wolfinger Apartments
Director Kittel introduced the requested temporary construction easement for Wolfinger Apartments in Combined Locks. They will need to utilize part of a city pond by Jonen Park to do some grading.

Thiele asked if this would in any way damage the current pond.

Neumeier stated that the pond would only receive drainage from what falls on the backyards and patios of the planned development. Water from the gutters is directed away from this drainage area.

Moore asked if the city would be able to handle the additional water.

Neumeier explained that the city handles more water from this area currently than what will be handled after the development is complete.

Thiele made a motion to approve the temporary construction easement for Wolfinger Apartments. Seconded by Feller. Motion passed unanimously.

i. Park Donation Application Review – Penterman Bench
Associate Planner Nelson introduced the donation request from Tony Penterman for a bench to be installed at the Kaukauna Municipal Pool in memory of Jeff Wittman. The bench would be in the City of Kaukauna's standard bench style and would include a plaque.

Thiele made a motion to approve the park bench donation for Tony Penterman in memory of Jeff Wittman with the condition that staff work

with the donor to finalize the location of the bench. Seconded by Moore. Mayor Penterman abstained. Motion passed unanimously.

5. Other Business
    a. None

6. Adjourn
    Moore made a motion to adjourn the meeting. Seconded by Neumeier. Motion passed unanimously. The meeting adjourned at 5:02 p.m.

MEMO

PLANNING AND COMMUNITY DEVELOPMENT

To:	Plan Commission
From:	Dave Kittel, Director of Planning and Community Development
Date:	5/14/2025
Re:	Resource Guide

This memo is meant to provide Plan Commission Members with the basic documents and information to assist you in your role as a member of the Plan Commission. Most of the items can be found online and will have direct link from this memo. If there are resources or sources that are not electronic, the memo will provide instruction on how to access the information most easily.

Roles and Responsibilities:

The Plan Commission, an advisory body to the local governing body, plays a crucial role in guiding community development by preparing and administering a comprehensive plan, managing land use codes, and making recommendations on land use issues among other responsibilities. For the City of Kaukauna chapter 1.31 of the municipal code lays out the format, organization and matters referred to the Plan Commission

https://kaukauna.municipalcodeonline.com/book?type=ordinances#name=1.31_City_Plan_Commission

Wisconsin state statue 62.23 also provides information on the powers of a plan commission.

City of Kaukauna Resources:

• City Website – Links to all ordinances, resolutions, agendas, minutes, and data on the village can be found at our home page - https://kaukauna.gov/ . For quick access to meeting minutes and agendas please use this link https://kaukauna-

wi.municodemeetings.com/. As you navigate the site, should you have suggestions for additional information or better presentation of information, please do not hesitate to contact the city staff.

• Code of Ordinances –The Municipal Code as it is currently codified can be found here: https://kaukauna.municipalcodeonline.com/book?type=ordinances#name=Chapter_1_GENERAL_PROVISIONS

o Special attention should be paid to Chapter 17, this is chapter covers zoning and it details out each district, allowed uses, setbacks, etc...

o For Performance Standards for Industrial Development see Ch 17.38, and additional requirements such as landscaping are in Ch 17.52.

• Comprehensive Plan - In general terms, a comprehensive plan is long range planning document that guides the growth pattern of the City. City officials rely on the comprehensive plan to help them make decisions on how the physical development of the City should occur. The current plan can be found here: https://kaukauna.gov/wp-content/uploads/2016/06/full-plan-final.pdf

• Strategic Plan– – In 2023, the City's Common Council and staff worked to draft the City's first ever Strategic Plan. The City of Kaukauna 2024-2026 Strategic Plan is meant to serve as a road map for where the City is strategically headed over the next 3 years. The executive primer and other information can be found here: https://kaukauna.gov/wp-content/uploads/2024/10/Strategic-Plan-version-for-web.pdf

Other Resources:

• Plan Commission Handbook- The Plan Commission Handbook is designed to assist the plan commission, local government officials and citizens in understanding the roles and responsibilities of the plan commission and related decision-making standards. PDF download available at: https://www.uwsp.edu/cnr-ap/clue/Pages/publications-resources/PlanCommissions.aspx

• Center for Land Use Education- The Center for Land Use Education (CLUE) is a joint venture of the College of Natural Resources at the University of Wisconsin - Stevens Point and the University of Wisconsin - Madison Division of Extension. It is a focal point for land use planning and management education. https://www.uwsp.edu/cnr-ap/clue/Pages/default.aspx

• Zoning Ordinances Basic information:
https://www.uwsp.edu/cnrap/clue/Documents/Zoning/Zoning_Ordinances.pdf

• A short 10-minute video on Variances this provides a great overview of the process and laws governing Variances. https://www.youtube.com/watch?v=r_HcyUAlmuo

• A webinar on the Role of the Plan Commission from the Center for Land Use Education: https://www.youtube.com/watch?v=x9TUhnpcCYY

Conclusion: This is not meant to be an exclusive list of resources for your position. Should you have questions or recommendations, please contact myself or other staff as appropriate.

Sincerely,

Dave Kittel
Director of Planning & Community Development
Dkittel@Kaukauna.gov
920.766.6370

MEMO

PLANNING AND COMMUNITY DEVELOPMENT

To: Plan Commission

From: David Kittel Director of Planning and Community Development

Date: 5/16/2025

Re: Site Plan Review – Haen Elementary School

Kaukauna Area School District is finalizing an addition on to Haen Elementary School. This addition is approximately 83,600 square feet and will add a gym and classrooms to the existing school. Attache to this report are the site plans for review.

Site Plan Review:

Site/Architectural: 17.32 (10) Supplementary District Regulations & applicable zoning

All set back requirements are met and all applicable ordinances are being complied with to include zoning requirements.

Landscape: 17.52 Landscaping Requirements

There are multiple trees and shrubs located on the property. There are no plans to remove these during the construction process. Additional trees are being planted along High Street and this portion will then be brought into compliance with the landscaping requirements. The Haen street side is not currently being worked on and no additional landscaping is being added at this time and no changes are proposed to the boundary areas between the school and residential properties.

Lighting:

The submitted photometric plan shows no direct lighting will be shining off the property.

Stormwater: 22 Stormwater Management

The developer will work with Engineering Department to complete Erosion Control and Stormwater Management permitting.

Ingress/Egress:

No concerns noted at this time

Public Safety:

No concerns noted at this time.

Façade: 17.53 Façade Standards

The proposed site elevations meet façade requirements.

Staff Recommendation:

Staff recommend approval of the development with the following conditions:

- **Prior to issuance of building permits, must obtain Stormwater and Erosion Control permits from the Engineering Department**
- **If possible, additional landscaping should be added along Haen and the property lines between the school and residential properties.**

SITE PLAN REVIEW APPLICATION

PROPERTY OWNER	APPLICANT (IF DIFFERENT PARTY THAN OWNER)
Name: Kaukauna Area School District, Chris McDaniel	Name:
Mailing Address: 101 Oak St, Kaukauna, WI, 54130	Mailing Address:
Phone: 920-759-6104	Phone:
Email: mcdanielc@kaukaunasd.org	Email:

PROPERTY INFORMATION	
Describe the Proposed Project in Detail: Proposed addition & site improvements at Victor Haen Elementary School	
Propety Parcel (#): 321058600	
Site Address/Location: 1130 Haen Dr., Kaukauna, WI, 54130	
Current Zoning and Use: Institutional (IT), current site of Victor Haen Elementary School	
Proposed Zoning and Use: No Change	
Existing Gross Floor Area of Building: 51,800	Proposed Gross Floor Area of Building: 83,600
Existing Building Height: 25'-0"	Proposed Building Height: 29'-4"
Existing Number of Off-Street Parking Spaces: 83	Proposed Number of Off-Street Parking Spaces: 83
Existing Impervious Surface Coverage Percentage: 26%	Proposed Impervious Surface Coverage Percentage: 32%

I certify that the attached drawings are, to the best of my knowledge, complete and drawn in accordance with all City of Kaukauna codes.

Owner/Agent Signature: _____

Owner/Agent Name (printed): Chris McDaniel

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION

KAUKAUNA AREA SCHOOL DISTRICT

INDEX MAP

DESIGN DRAWINGS BENCHMARK:

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE EAST SIDE OF THE INTERSECTION
OF HAEN DRIVE AND WALTER STREET;
ELEVATION = 720.80

BENCHMARK #2
NEW FLANGE BOLT ON HYDRANT,
LOCATED AT THE NORTHWEST CORNER OF THE
INTERSECTION OF HAEN DRIVE AND BOWERS LANE;
ELEVATION = 711.28

DESIGN DRAWINGS UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOW HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

CIVIL SHEET INDEX:

0' 100' 200'
1" = 100'

N

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

TITLE SHEET

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

POB Point of Beginning

SHEET C000

TOPOGRAPHIC SURVEY

KAUKAUNA AREA SCHOOL DISTRICT
VICTOR HAEN ELEMENTARY SCHOOL
CITY OF KAUKAUNA
OUTAGAMIE COUNTY, WISCONSIN

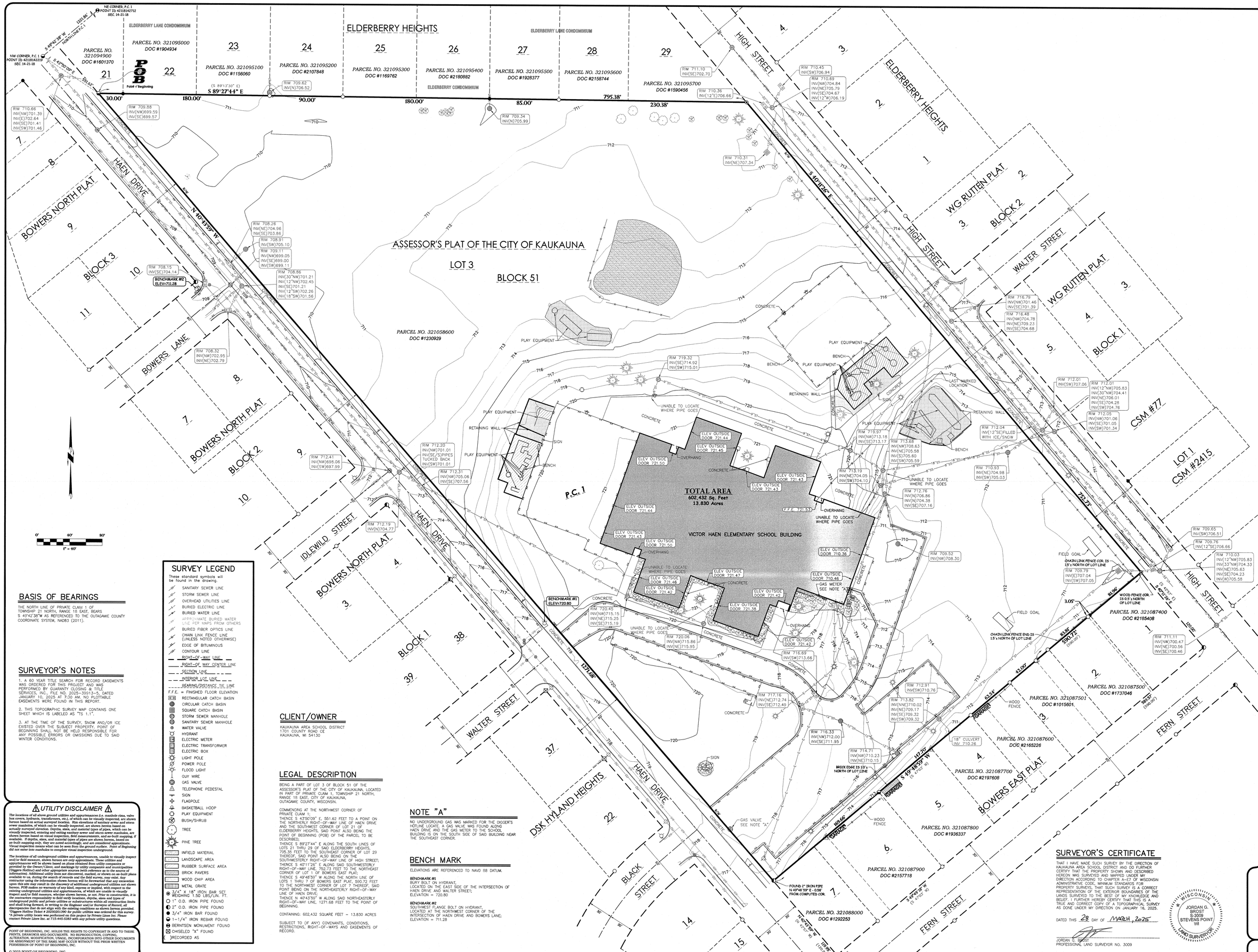
REVISIONS	
1/29/2025	C.A.G.
3/28/2025	C.A.G.

CHECKED:	JORDAN G. BROST
DRAWN:	CHAD A. GORETSKI
DATE	1-23-25
PROJECT NO.	24.4040-S

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

TS 1.1



BASIS OF BEARINGS

THE NORTH LINE OF PRIVATE CLAIM 1 OF TOWNSHIP 21 NORTH, RANGE 18 EAST, BEARS S 49°42'38"W AS REFERENCED TO THE OUTAGAMIE COUNTY COORDINATE SYSTEM, NAD83 (2011).

SURVEYOR'S NOTES

1. A 60 YEAR TITLE SEARCH FOR RECORD EASEMENTS WAS ORDERED FOR THIS PROJECT AND WAS PERFORMED BY GUARANTY CLOSING & TITLE SERVICES, INC., FILE NO. 2025-39913-S, DATED JANUARY 10, 2025 AT 7:30 AM. NO PLOTTABLE EASEMENTS WERE FOUND IN THIS REPORT.

2. THIS TOPOGRAPHIC SURVEY MAP CONTAINS ONE SHEET WHICH IS LABELLED AS "TS 1.1".

3. AT THE TIME OF THE SURVEY, SNOW AND/OR ICE EXISTED OVER THE SUBJECT PROPERTY. POINT OF BEGINNING SHALL NOT BE HELD RESPONSIBLE FOR ANY POSSIBLE ERRORS OR OMISSIONS DUE TO SAID WINTER CONDITIONS.

⚠ UTILITY DISCLAIMER ⚠

The locations of all above ground utilities and appurtenances (i.e. manhole rims, valve box covers, hydrants, transformers, etc.), of which can be visually inspected, are shown hereon based on actual surveyed location. Rim elevations of sanitary sewer and storm sewer manholes, of which can be visually inspected, are shown hereon based on actually surveyed elevation. Depths of sanitary sewer and storm sewer manholes, of which can be visually inspected, entering and exiting sanitary sewer and storm sewer manholes, are shown hereon based on visual inspection, field measurements, and as-built mapping, if available. If depths, sizes, and material types of pipes are shown hereon, based on as-built mapping only, they are noted accordingly, and are considered approximate. Visual inspection means what can be seen from the ground surface. Point of Beginning did not enter into manholes to complete visual inspection underground.

*The locations of all underground utilities and appurtenances, unable to visually inspect and/or field measure, shown hereon are only approximate. These utilities and appurtenances will be shown based on plans obtained from utility companies or municipalities, Surveyor's Client, and markings by utility companies and municipalities (Diggers Hotline®) and other appropriate sources (with reference as to the source of information). Additional utilities and appurtenances, not shown on the face of these plans available to us, during the search of records and the field survey, may exist. Any contractor using the information shown hereon will be forewarned that any excavation upon this site may result in the discovery of additional underground utilities not shown hereon. POB makes no warranty of any kind, express or implied, with respect to the existing underground utilities and appurtenances, of which are unable to visually inspect and/or field measure, whether shown hereon, or not. Prior to construction, it is the contractors responsibility to field verify locations, depths, sizes and types of underground public and private utilities or substructures within all construction limits and shall bring forward, in writing to the Engineer and/or Surveyor of Record, all discrepancies that do not align with the existing conditions as shown hereon provided. "Diggers Hotline Ticket # 20250201790 for public utilities was ordered for this survey. *A private utility locate was performed on this project by Private Lines Inc. Please contact Private Lines Inc. at 715-442-5383 with any private utility questions.*

SURVEY LEGEND

These standard symbols will be found in the drawing.

- SANITARY SEWER LINE
- STORM SEWER LINE
- OVERHEAD UTILITIES LINE
- BURIED ELECTRIC LINE
- BURIED WATER LINE
- APPROXIMATE BURIED WATER LINE PER MAPS FROM OTHERS
- BURIED FIBER OPTICS LINE
- CHAIN LINK FENCE LINE (UNLESS NOTED OTHERWISE)
- EDGE OF BITUMINOUS
- CONTOUR LINE
- RIGHT-OF-WAY LINE
- RIGHT-OF-WAY CENTER LINE
- SECTION LINE
- INTERIOR LOT LINE
- BEARING/DISTANCE TIE LINE
- F.F.E. = FINISHED FLOOR ELEVATION
- RECTANGULAR CATCH BASIN
- CIRCULAR CATCH BASIN
- SQUARE CATCH BASIN
- STORM SEWER MANHOLE
- SANITARY SEWER MANHOLE
- WATER VALVE
- HYDRANT
- ELECTRIC METER
- ELECTRIC TRANSFORMER
- ELECTRIC BOX
- LIGHT POLE
- POWER POLE
- FLOOD LIGHT
- GUY WIRE
- GAS VALVE
- TELEPHONE PEDESTAL
- SIGN
- FLAGPOLE
- BASKETBALL HOOP
- PLAY EQUIPMENT
- BUSH/SHRUB
- TREE
- PINE TREE
- INFIELD MATERIAL
- LANDSCAPE AREA
- RUBBER SURFACE AREA
- BRICK PAVERS
- WOOD CHIP AREA
- METAL GRATE
- 3/4" X 18" IRON BAR SET, WEIGHING 1.50 LBS/LIN. FT.
- 1" O.D. IRON PIPE FOUND
- 2" O.D. IRON PIPE FOUND
- 3/4" IRON BAR FOUND
- 1-1/4" IRON REBAR FOUND
- BERNTSEN MONUMENT FOUND
- CHISELED "X" FOUND
- ( )RECORDED AS

CLIENT/OWNER

KAUKAUNA AREA SCHOOL DISTRICT
1701 COUNTY ROAD CE
KAUKAUNA, WI 54130

LEGAL DESCRIPTION

BEING A PART OF LOT 3 OF BLOCK 51 OF THE ASSESSOR'S PLAT OF THE CITY OF KAUKAUNA, LOCATED IN PART OF PRIVATE CLAIM 1, TOWNSHIP 21 NORTH, RANGE 18 EAST, CITY OF KAUKAUNA, OUTAGAMIE COUNTY, WISCONSIN.

COMMENCING AT THE NORTHWEST CORNER OF PRIVATE CLAIM 1; THENCE S 43°50'09" E, 551.62 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF HAEN DRIVE AND THE SOUTHWEST CORNER OF LOT 21 OF ELDERBERRY HEIGHTS, SAID POINT ALSO BEING THE POINT OF BEGINNING (POB) OF THE PARCEL TO BE DESCRIBED; THENCE S 89°27'44" E ALONG THE SOUTH LINES OF LOTS 21 THRU 29 OF SAID ELDERBERRY HEIGHTS, 795.38 FEET TO THE SOUTHEAST CORNER OF LOT 29 THEREOF, SAID POINT ALSO BEING ON THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF HIGH STREET; THENCE S 40°11'26" E ALONG SAID SOUTHWESTERLY RIGHT-OF-WAY LINE, 752.73 FEET TO THE NORTHEAST CORNER OF LOT 1 OF BOWERS EAST PLAT; THENCE S 49°48'59" W ALONG THE NORTH LINE OF LOTS 1 THRU 7 OF BOWERS EAST PLAT, 590.72 FEET TO THE NORTHWEST CORNER OF LOT 7 THEREOF, SAID POINT BEING ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HAEN DRIVE; THENCE N 40°43'50" W ALONG SAID NORTHEASTERLY RIGHT-OF-WAY LINE, 1271.68 FEET TO THE POINT OF BEGINNING.

CONTAINING: 602,432 SQUARE FEET = 13.830 ACRES

SUBJECT TO (IF ANY) COVENANTS, CONDITIONS, RESTRICTIONS, RIGHT-OF-WAYS AND EASEMENTS OF RECORD.

NOTE "A"

NO UNDERGROUND GAS WAS MARKED FOR THE DIGGER'S HOTLINE LOCATE. A GAS VALVE WAS FOUND ALONG HAEN DRIVE AND THE GAS METER TO THE SCHOOL BUILDING IS ON THE SOUTH SIDE OF SAID BUILDING NEAR THE SOUTHEAST CORNER.

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
BURY BOLT ON HYDRANT,
LOCATED ON THE EAST SIDE OF THE INTERSECTION OF HAEN DRIVE AND WALTER STREET;
ELEVATION = 720.80

BENCHMARK #2
SOUTHWEST FLANGE BOLT ON HYDRANT,
LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF HAEN DRIVE AND BOWERS LANE;
ELEVATION = 711.28

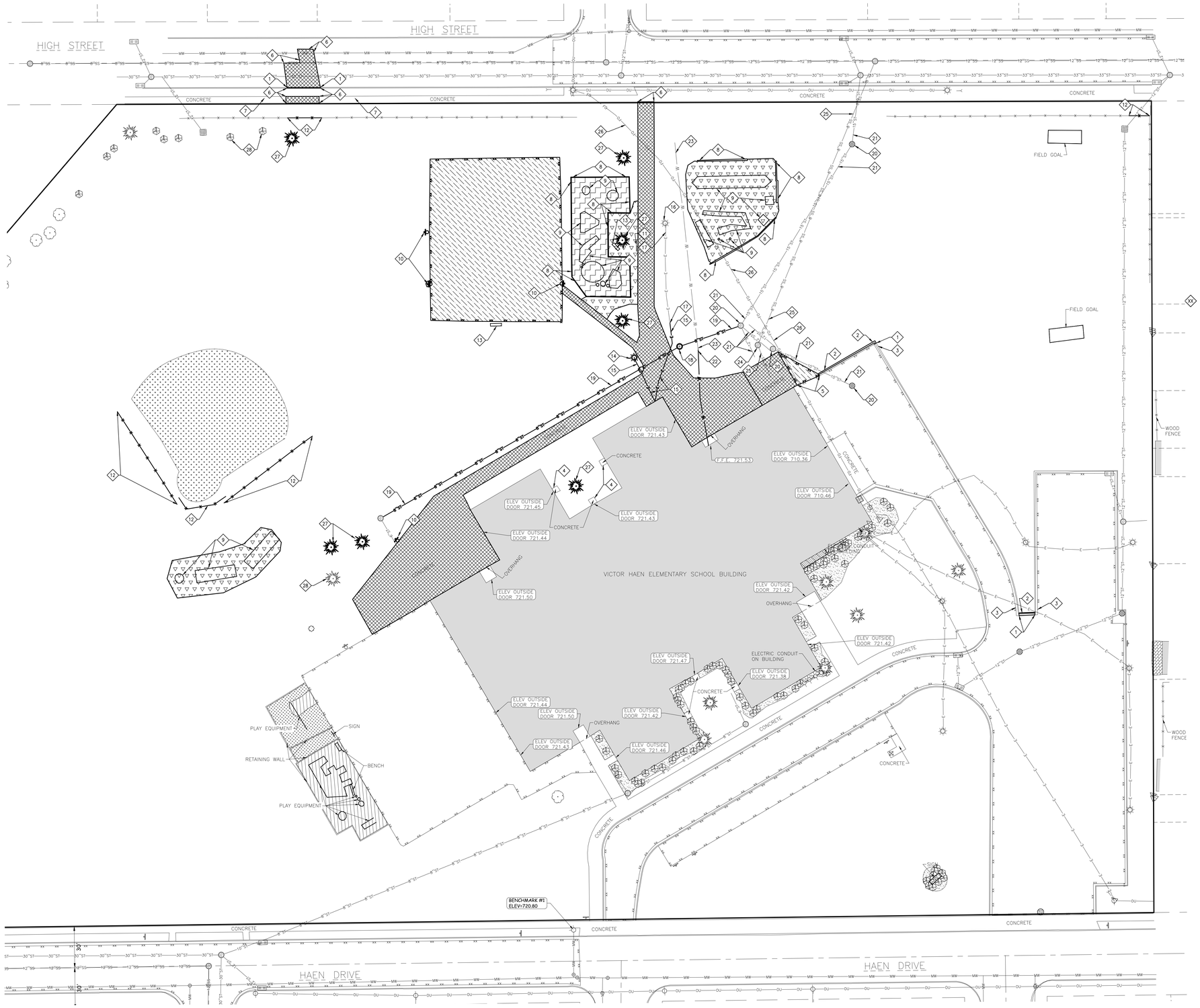
SURVEYOR'S CERTIFICATE

THAT I HAVE MADE SUCH SURVEY BY THE DIRECTION OF KAUKAUNA AREA SCHOOL DISTRICT AND DO FURTHER CERTIFY THAT THE PROPERTY SHOWN AND DESCRIBED HEREON WAS SURVEYED AND MAPPED UNDER MY DIRECTION ACCORDING TO CHAPTER A-E7 OF WISCONSIN ADMINISTRATIVE CODE, MINIMUM STANDARDS FOR PROPERTY SURVEYS, THAT SUCH SURVEY IS A CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LANDS SURVEYED TO THE BEST OF MY KNOWLEDGE AND BELIEF. I FURTHER HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF A TOPOGRAPHICAL SURVEY AS DONE UNDER MY DIRECTION ON JANUARY 16, 2025.

DATED THIS 28 DAY OF MARCH, 2025

JORDAN G. BROST
PROFESSIONAL LAND SURVEYOR NO. 3009

WISCONSIN
JORDAN G. BROST
S-3009
STEVENS POINT, WI
LAND SURVEYOR



GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
4. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
5. ANY EXISTING PUBLIC & PRIVATE UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. COORDINATE ALL PRIVATE & PUBLIC UTILITY REMOVAL, DISCONNECTION, &/OR RECONNECTION WITH RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING WORK.
7. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
8. ANY EXISTING UTILITIES NOT EXPRESSLY LABELED FOR DEMOLITION/REMOVAL ON THIS DOCUMENT SHALL BE LEFT IN PLACE AND IN THEIR CURRENT STATE OF OPERATION. CONTACT ENGINEER WHEREVER CLARIFICATION IS NEEDED.
9. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
10. IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
11. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
12. MAINTAIN TRAFFIC CIRCULATION TO ALL NEIGHBORING PROPERTIES SHOWN ON THIS DOCUMENT. COORDINATE ALL WORK WITH NEIGHBORING PROPERTY OWNERS.

KEYNOTES:

1. SAWCUT EXISTING CONCRETE CURBING
2. REMOVE EXISTING CONCRETE CURBING
3. MAINTAIN EXISTING CONCRETE CURBING
4. MAINTAIN EXISTING CONCRETE STOOP
5. SAWCUT EXISTING BITUMINOUS PAVEMENT
6. SAWCUT EXISTING CONCRETE WALK
7. MAINTAIN EXISTING CONCRETE WALK
8. REMOVE EXISTING PLAYGROUND CURB
9. REMOVE EXISTING PLAYGROUND EQUIPMENT
10. REMOVE EXISTING BASKETBALL GOAL
11. REMOVE & SALVAGE EXISTING SIGN
12. REMOVE EXISTING CHAIN LINK FENCE
13. REMOVE EXISTING BENCH
14. REMOVE EXISTING LIGHT POLE
15. REMOVE EXISTING U/G ELEC LINE
16. MAINTAIN EXISTING LIGHT POLE
17. MAINTAIN EXISTING U/G ELEC LINE (COORDINATE RECONNECTION W/ BLDG ELECTRICAL DESIGNER)
18. REMOVE EXISTING STORM SEWER MH
19. REMOVE EXISTING STORM SEWER PIPE
20. MAINTAIN EXISTING STORM SEWER MH
21. MAINTAIN EXISTING STORM SEWER PIPE
22. REMOVE EXISTING WATER LINE
23. MAINTAIN EXISTING WATER LINE (COORDINATE W/ BLDG PLUMBER)
24. MAINTAIN EXISTING SANITARY SEWER MH
25. MAINTAIN EXISTING SANITARY SEWER PIPE
26. MAINTAIN EXISTING F/O LINE
27. CLEAR & GRUB EXISTING TREE
28. MAINTAIN EXISTING TREE

DEMOLITION HATCH PATTERNS:

- BITUMINOUS REMOVAL (INCL. BASE)
- CONCRETE REMOVAL (INCL. BASE)
- INFIELD REMOVAL
- PLAYGROUND SURFACE REMOVAL (INCL. BASE MATERIAL)
- LANDSCAPING/WOODCHIP REMOVAL

0' 30' 60'
1" = 30'

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

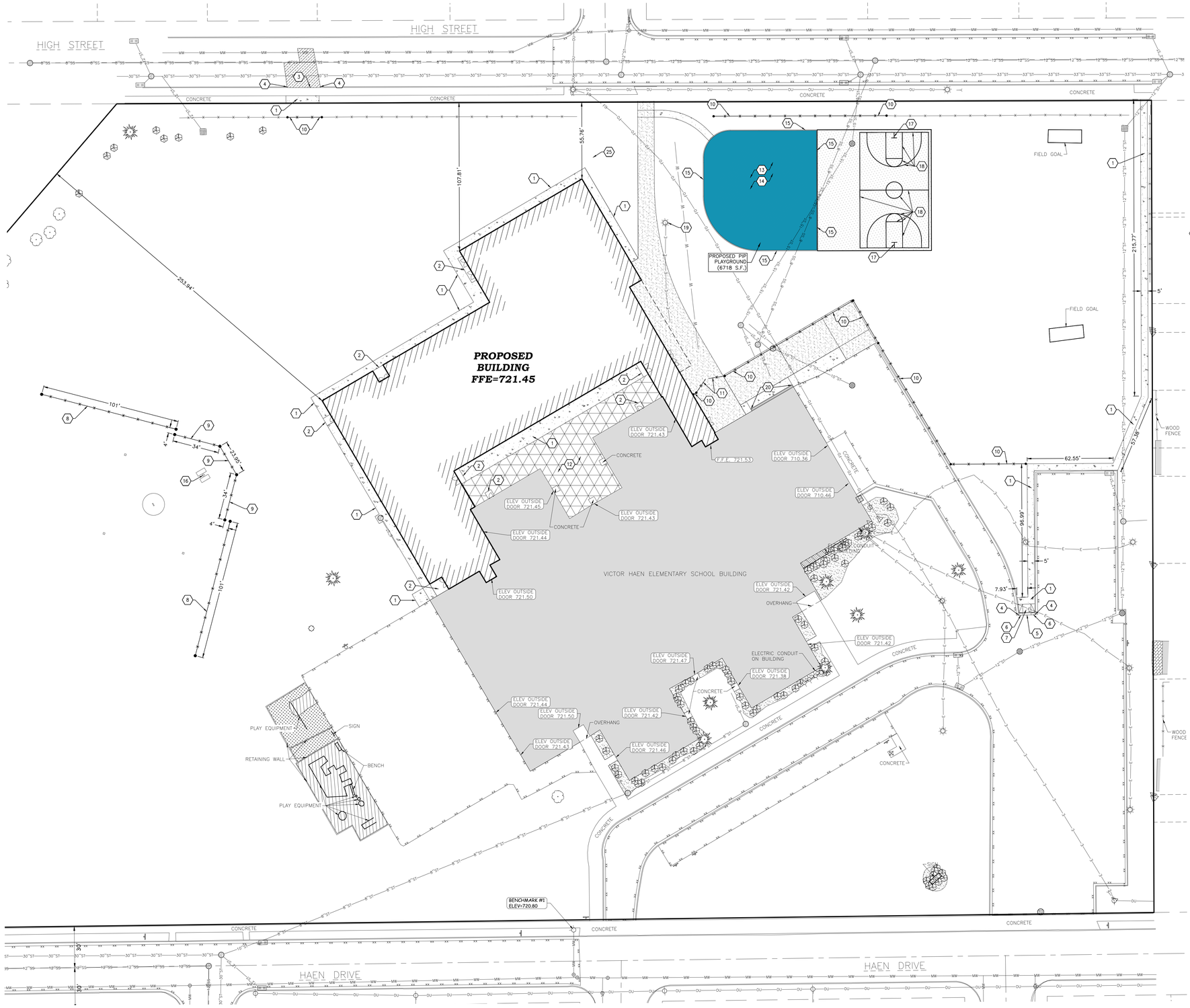
DEMOLITION PLAN

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kitschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

SHEET C100



GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. SEE SHEET C400 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
7. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
8. PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
9. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
10. PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
11. SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED OR AS APPROVED BY THE CONSTRUCTION MANAGER.
12. ALL NEW CONCRETE PAVEMENT AND CURB ON ADJACENT STREET SHALL BE TIED IN WITH #5 DOWEL BAR, MIN. 24" LONG, AT 18" O/C.
13. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

KEYNOTES:

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1. CONCRETE SIDEWALK — 2 / C600
2. CONCRETE STOOP (SEE ARCHITECTURAL PLANS)
3. 30" CONCRETE CURB & GUTTER — 4 / C600
4. DOWEL CURBING TO EXISTING WITH 2–#5 AT 18" O/C. EMBEDDED 6" TYP.
5. 24" DEPRESSED CURB — 4 / C600
6. CURB TAPER/TRANSITION AREA — 5 / C600
7. HANDICAP RAMP — 6 / C600
8. 4' CHAIN LINK FENCE (INCL. FENCEGUARD MOW STRIP IN GRASS AREAS) — 7 / C600
9. 20' CHAIN LINK BACKSTOP — 8 / C600
10. 6' CHAIN LINK FENCE (INCL. FENCEGUARD MOWSTRIP IN GRASS AREAS) — 7 / C600
11. 6'x24' CHAIN LINK DOUBLE GATE — 9 / C600
12. SYNTHETIC TURF IN COURTYARD AREA — 10 / C600
13. 4" OF PLAYGROUND FILL MATERIAL W/ POURED-IN-PLACE PLAYGROUND SURFACE BY PLAYGROUND VENDOR. SEPARATION FABRIC & UNDERDRAIN BY GENERAL CONTRACTOR. (GC TO EXCAVATE TO PROPOSED SUBGRADE DEPTHS) — 1 / C601
14. PLAYGROUND EQUIPMENT BY PLAYGROUND VENDOR (AS APPROVED BY OWNER)
15. 6"x12" CONCRETE CURB AROUND PLAYGROUND — 1 / C601
16. HOME PLATE (BASE PADS & PITCHING RUBBER BY OWNER) — 2 / C601
17. BASKETBALL GOAL (KEEPER GOALS MODEL: CONTENDERINAC OR APPROVED EQUAL)
18. 2" BASKETBALL LAYOUT STRIPING
19. RAISE OR REPLACE EXISTING LIGHT POLE BASE
20. ACO K200 SERIES TRENCH DRAIN — 3 / C601

PAVEMENT HATCH PATTERNS:

- PROPOSED STANDARD ASPHALT PAVEMENT — 1 / C600
- REPAIR & REPLACE PAVEMENT/CURB (IN KIND) FOLLOWING UTILITY INSTALLATION (SEE UTILITY PLAN)
- PROPOSED STANDARD CONCRETE PAVEMENT — 2 / C600
- PROPOSED REINFORCED CONCRETE PAVEMENT — 3 / C600
- SYNTHETIC TURF IN COURTYARD AREA — 10 / C600
- POURED–IN–PLACE PLAYGROUND SURFACE — 1 / C601

0' 30' 60'
1" = 30'

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

LAYOUT PLAN
KEYNOTES

KASD - VICTOR HAEN ELEMENTARY
SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
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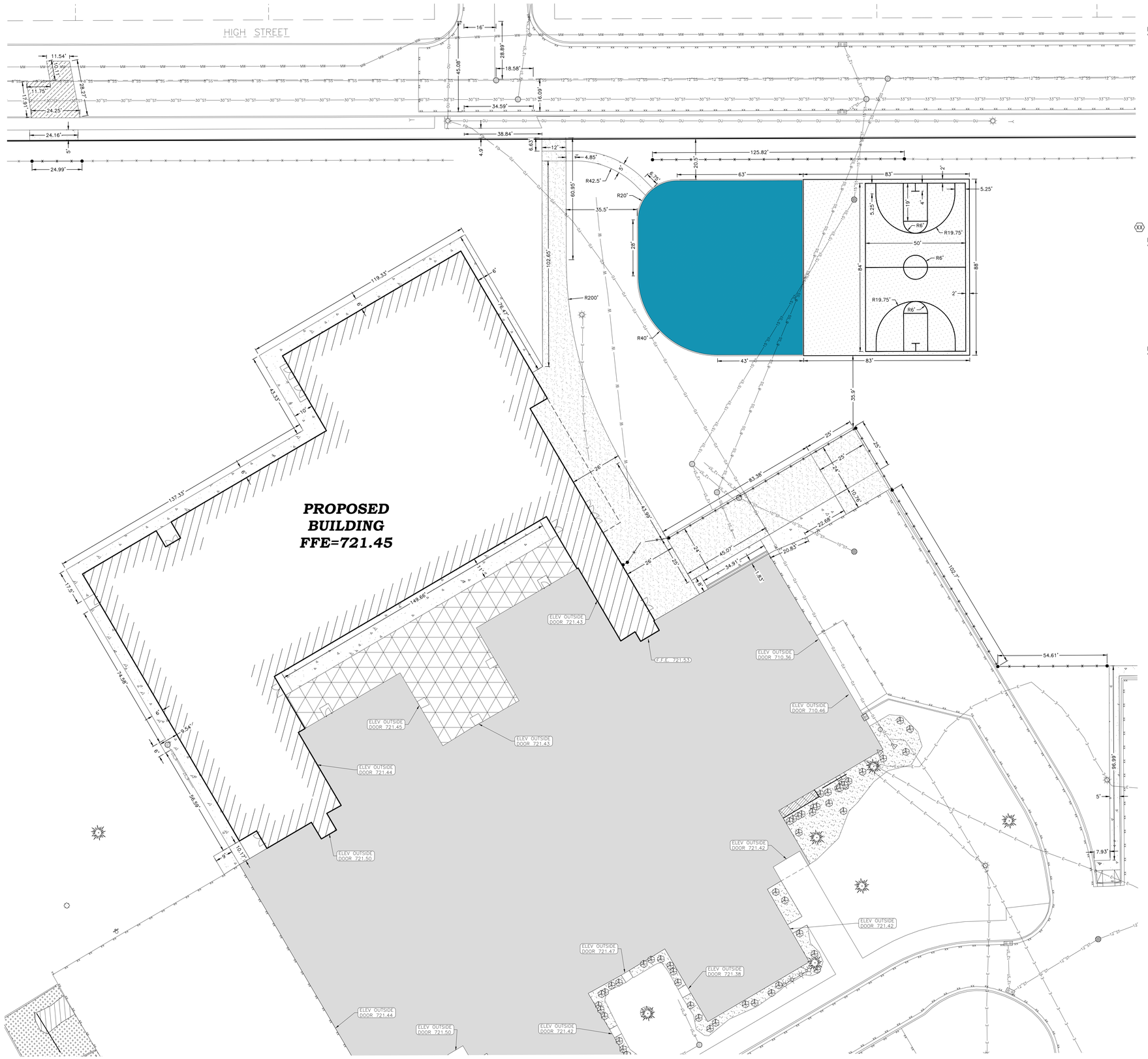
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

SHEET C200



GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. SEE SHEET C400 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
7. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
8. PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
9. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
10. PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
11. SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED OR AS APPROVED BY THE CONSTRUCTION MANAGER.
12. ALL NEW CONCRETE PAVEMENT AND CURB ON ADJACENT STREET SHALL BE TIED IN WITH #5 DOWEL BAR, MIN. 24" LONG, AT 18" O/C.
13. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

KEYNOTES:

1. SEE SHEET C200 FOR LAYOUT PLAN KEYNOTES.

PAVEMENT HATCH PATTERNS:

PROPOSED STANDARD ASPHALT PAVEMENT	1 / C600
REPAIR & REPLACE PAVEMENT/CURB (IN KIND) FOLLOWING UTILITY INSTALLATION (SEE UTILITY PLAN)	
PROPOSED STANDARD CONCRETE PAVEMENT	2 / C600
PROPOSED REINFORCED CONCRETE PAVEMENT	3 / C600
SYNTHETIC TURF IN COURTYARD AREA	10 / C600
POURED-IN-PLACE PLAYGROUND SURFACE	1 / C601

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

LAYOUT PLAN DIMENSIONS

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

SHEET C201

0' 30' 60'
1" = 30'

GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. THE PROPOSED SITE PLAN FINISH FLOOR ELEVATION OF 721.45 EQUALS THE PROPOSED BUILDING ARCHITECTURAL FINISH FLOOR ELEVATION OF 100.00'.
3. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
4. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
5. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
6. SEE SHEET C400 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
7. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
8. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
9. EXCESS TOPSOIL SHALL BE REMOVED FROM SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER. COORDINATE WITH OWNER FOR LOCATION OF STOCKPILE IF THE OWNER CHOOSES TO SALVAGE EXCESS TOPSOIL FOR FUTURE USE. SILT FENCE SHALL BE PLACED AROUND STOCKPILE.
10. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
11. THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY.
12. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
13. THE LOCAL MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
14. GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY ENTRANCES OR UNLESS OTHERWISE NOTED.

GRADING LEGEND:

EXISTING CONTOUR	712
PROPOSED CONTOUR	712
PROPOSED SPOT ELEVATION	892.26
PROPOSED RIM ELEVATION	RIM=893.56
PROPOSED PIPE END INVERT ELEVATION	INV=893.56
PROPOSED TOP OF CURB ELEVATION	TC=893.56
PROPOSED FLOW LINE ELEVATION	FL=893.56
PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY)	892.05M
PROPOSED STORM SEWER MANHOLE	ST — 10 C602
PROPOSED NYLOPLAST DRAIN BASIN OR YARD DRAIN	4, 5 C601
PROPOSED STORM SEWER ENDWALL W/ RIP RAP	7 C601

0' 30' 60'
1" = 30'

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

GRADING PLAN

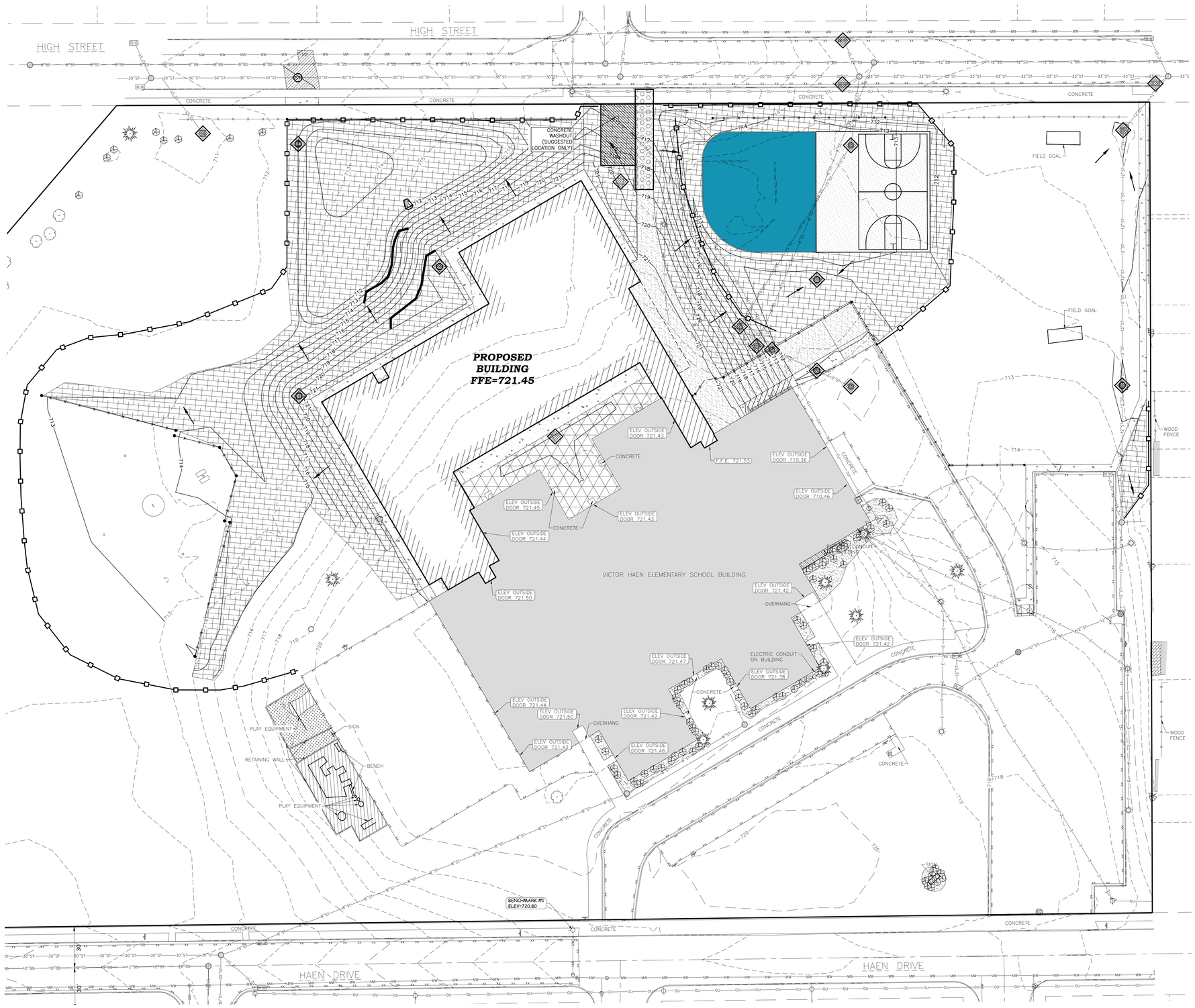
KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture

4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

POB Point of Beginning

SHEET C300



GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM STORMWATER RUNOFF SHALL BE CLEANED BY THE END OF THE NEXT WORKDAY. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONTRACTOR ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED EACH WORKDAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS ON ADJACENT STREETS SHALL SWEPT MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
14. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
15. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
16. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400–187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888
PROPOSED CONTOUR	888
PROPOSED SILT FENCE	1 C602
PROPOSED INLET PROTECTION	2, 3 C602
EROSION CONTROL BLANKET	4 C602
ROCK CONSTRUCTION ENTRANCE	5 C602
TEMPORARY SLOPE INTERRUPTION	6 C602
CONCRETE WASHOUT AREA (INSTALL PER EPA STANDARDS)	7 C602
STORM WATER OVERLAND FLOW DIRECTION	

EROSION CONTROL SEQUENCING:

1. INSTALL PERIMETER EROSION CONTROL
2. BEGIN DEMOLITION
3. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
4. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
5. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
6. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
7. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

EROSION CONTROL PLAN

KASD - VICTOR HAEN ELEMENTARY
SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
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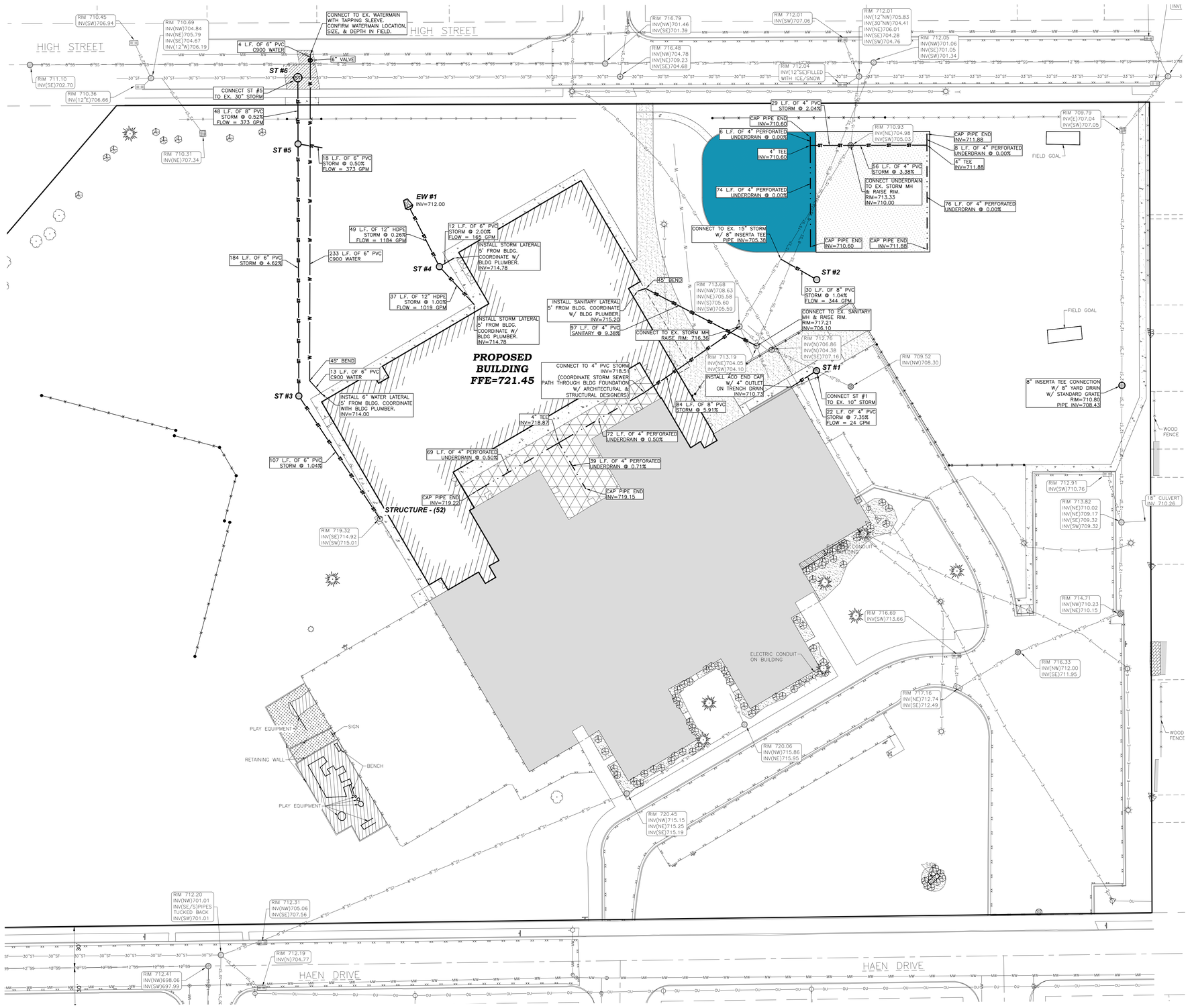
Point of Beginning

0' 30' 60'
1" = 30'

SHEET C400



GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
4. REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED SANITARY SEWER AND WATER LATERALS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE UTILITY SERVICE DISCONNECTIONS/OUTAGES WITH OWNER AND ANY IMPACTED NEIGHBORS. MINIMIZE DISRUPTIONS TO THE MAXIMUM EXTENT PRACTICAL.
7. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
8. ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
9. THE PROPOSED WATER LINE SHALL HAVE A MINIMUM COVER OF 7'-6" TO THE TOP OF PIPE FROM PROPOSED FINISHED GRADE. SEE SHEET C300 FOR PROPOSED FINISHED GRADE.
10. THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY, AND PRIOR TO CONNECTING SANITARY SEWER AND WATER LATERALS TO THE PUBLIC MAINS.
11. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
12. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
13. FIELD VERIFY INVERT ELEVATION OF THE SANITARY SEWER, STORM SEWER, &/OR WATER PUBLIC MAIN, AT THE LOCATION OF THE SERVICE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS TO THE PUBLIC MAIN.

UTILITY LEGEND:

PROPOSED STORM SEWER	ST	
PROPOSED PERFORATED UNDERDRAIN	- - - -	
PROPOSED SANITARY SEWER	SS	
PROPOSED WATER MAIN	W	
PROPOSED STORM SEWER MANHOLE	ST	10 C602
PROPOSED NYLOPLAST DRAIN BASIN OR YARD DRAIN		4, 5 C601
GATE VALVE		9 C602
PROPOSED STORM SEWER ENDWALL W/ RIP RAP		7 C601

STORM MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
ST #1	RIM = 710.58 INV (S) = 707.81 INV (W) = 709.08 INV (N) = 707.81 DEPTH = 3.27' 12" NYLOPLAST DRAIN BASIN W/ PEDESTRIAN GRATE W/ 6" SUMP
ST #2	RIM = 711.19 INV (N) = 708.33 DEPTH = 3.36' 12" NYLOPLAST DRAIN BASIN W/ PEDESTRIAN GRATE W/ 6" SUMP
ST #3	RIM = 720.42 INV (S) = 713.80 INV (NE) = 718.90 DEPTH = 7.11' 12" NYLOPLAST BASIN W/ SOLID COVER W/ 6" SUMP
ST #4	RIM = 720.75 INV (S) = 714.41 INV (E) = 714.53 INV (NE) = 712.13 DEPTH = 8.62' 18" NYLOPLAST BASIN W/ SOLID COVER W/ 6" SUMP
ST #5	RIM = 713.00 INV (SW) = 710.41 INV (SE) = 710.41 INV (NE) = 708.22 DEPTH = 5.28' 24" NYLOPLAST BASIN W/ STANDARD GRATE W/ 6" SUMP
ST #6	RIM = 711.98 INV (SW) = 707.97 INV (SE) = 704.70 INV (NW) = 704.70 DEPTH = 7.28' 60" I.D. PRECAST STRUCTURE W/ NEENAH R-1772 CASTING W/ SOLID COVER

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

UTILITY PLAN

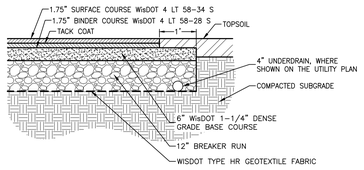
KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

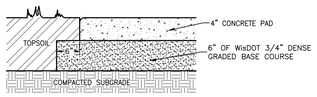
SHEET C500

0' 30' 60'
1" = 30'

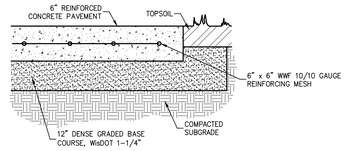


STANDARD ASPHALT

ASPHALT PAVEMENT — 1 / C600

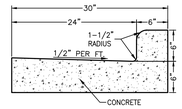


CONCRETE PAVEMENT — 2 / C600

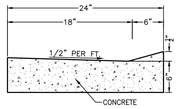


REINFORCED CONCRETE

REINFORCED CONCRETE — 3 / C600

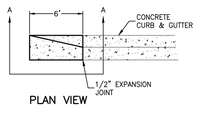


STANDARD GUTTER

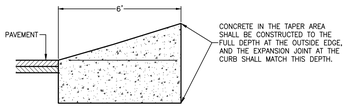


DEPRESSED CURB

CONCRETE CURB & GUTTER — 4 / C600

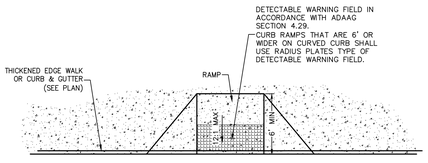


PLAN VIEW

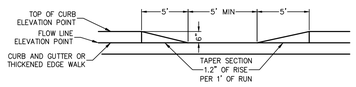


SECTION A–A

CURB TAPER/TRANSITION — 5 / C600

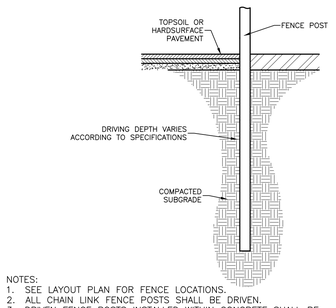


PLAN VIEW



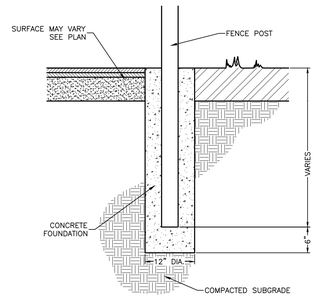
SECTION VIEW

HANDICAP RAMP — 6 / C600



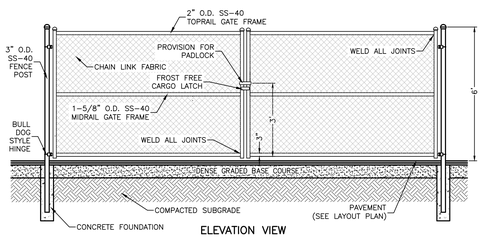
NOTES:
1. SEE LAYOUT PLAN FOR FENCE LOCATIONS.
2. ALL CHAIN LINK FENCE POSTS SHALL BE DRIVEN.
3. DRIVEN FENCE POSTS INSTALLED WITHIN CONCRETE SHALL BE:
   3.1. CORED, DRIVEN, AND SEALED WITH CONCRETE JOINT SEALANT; OR
   3.2. SET PRIOR TO POURING CONCRETE, WRAPPED WITH EXPANSION FOAM, AND SEALED WITH CONCRETE JOINT SEALANT (SILICONE JOINT SEALANT MEETING ASTM C-920 TYPE S CLASS 25)
   3.3. BEFORE DRIVING A FENCE POST IN A CONCRETE AREA, IF THE FENCE POST IS LOCATED WITHIN 2 FEET OF THE EDGE OF CONCRETE, SAWCUT A CONTROL JOINT FROM THE FENCE POST TO THE EDGE OF CONCRETE.
4. DRIVEN FENCE POSTS INSTALLED WITHIN ASPHALT PAVEMENT SHALL BE CORED, DRIVEN, AND SEALED WITH CONCRETE JOINT SEALANT.

DRIVEN FENCE POST — 7 / C600

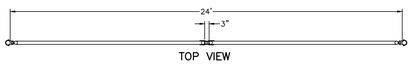


NOTES:
1. ALL GATES WITH A SWING OF 6' OR LARGER SHALL HAVE A CONCRETE FOUNDATION AS SHOWN ABOVE.
2. FENCES TALLER THAN 10' SHALL HAVE A CONCRETE FOUNDATION AS SHOWN ABOVE.
3. FOUNDATION DEPTHS MAY VARY ACCORDING TO GATE/FENCE HEIGHT. CONSULT MANUFACTURER'S SPECIFICATIONS.
4. SEE LAYOUT PLAN FOR GATE LOCATIONS

FENCE & GATE FOUNDATION — 8 / C600



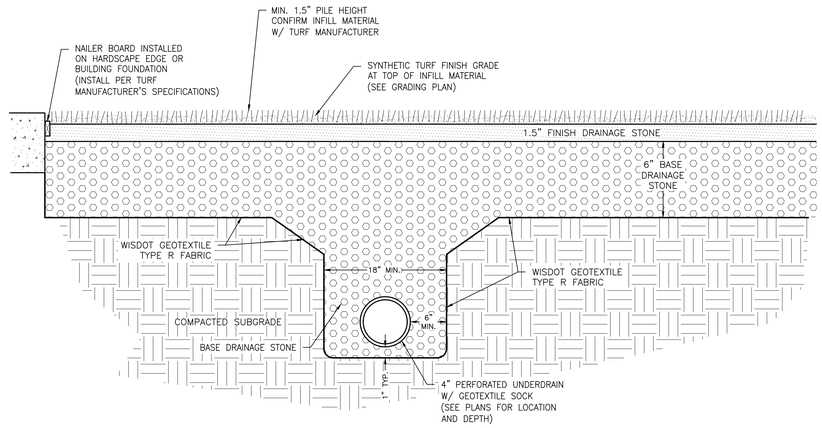
ELEVATION VIEW



TOP VIEW

NOTES:
1. SEE LAYOUT PLAN FOR GATE LOCATIONS

CHAIN LINK GATES — 9 / C600



SYNTHETIC TURF COURTYARD — 10 / C600

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

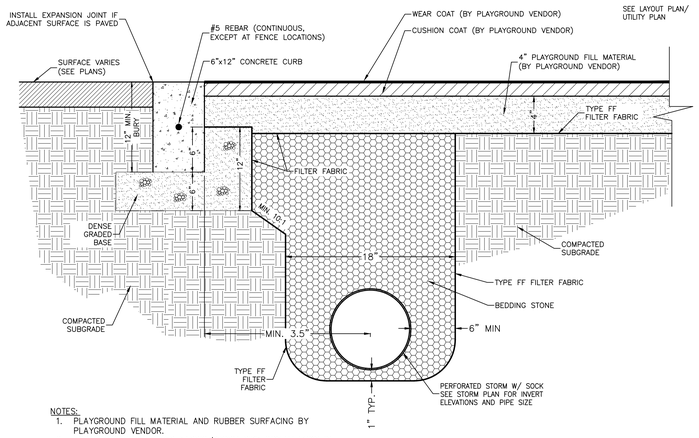
DETAILS

KASD - VICTOR HAEN ELEMENTARY
SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

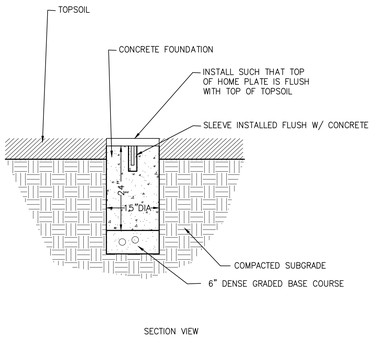
SHEET C600



NOTES:
1. PLAYGROUND FILL MATERIAL AND RUBBER SURFACING BY PLAYGROUND VENDOR.
2. EXCAVATION WITH FILTER FABRIC/STORM PIPE INSTALLATION IN BEDDING STONE BY GENERAL SITE CONTRACTOR
3. COORDINATE FLAT PANEL LOCATION WITH PLAYGROUND VENDOR TO AVOID PLAYGROUND FOOTINGS

POURED-IN-PLACE PLAYGROUND

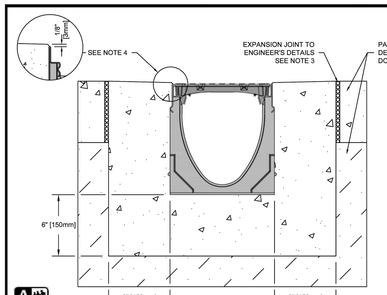
1 C601



SECTION VIEW

HOME PLATE

2 C601



NOTES:
1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.
6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

SPECIFICATION CLAUSE

K200 KLASSIKDRAIN 'DRAINLOK LOAD CLASS A

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K200 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS
CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF	YES
DILUTE ACID AND ALKALI RESISTANT	YES
B117 SALT SPRAY TEST COMPLIANT	YES

THE SYSTEM SHALL BE 8" (200mm) NOMINAL INTERNAL WIDTH WITH A 10.2" (260mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "V" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

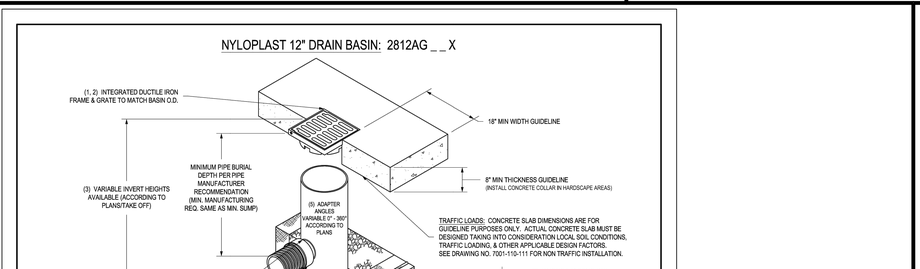
CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING 'DRAINLOK' BOLTLESS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

K2D-A-ECP	K200 - KLASSIKDRAIN - LOAD CLASS: A Exposed Concrete Pavement	**ACO Polymer Products, Inc.**
DATE: 08/17/16	INSTALLATION DRAWING - ACO DRAIN	825 W. Beechcraft St Casa Grande, AZ 85122 Tel: 520-421-9988 Fax: 520-421-9899
		9470 Pinecone Dr. Mentor, OH 44060 Tel: 440-639-7230 Fax: 440-639-7235
		4211 Pleasant Rd. Fort Mill, SC 29708 Tel: 440-639-7230 Fax: 803-902-1063

Arizona Tel: 888-490-9552 e-mail: sales@acousa.com Ohio Tel: 800-543-4764 www.acousa.com South Carolina Tel: 800-543-4764

ACO K200 TRENCH DRAIN

3 C601



GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1299CGP	7001-110-202
STANDARD	MEETS H-20	1299CGS	7001-110-203
SOLID COVER	MEETS H-20	1299CGC	7001-110-204
PEDESTRIAN BRONZE	N/A	1299CGPB	7001-110-205
DOME	N/A	1299CGD	7001-110-206
DROP IN GRATE	LIGHT DUTY	1201CI	7001-110-021

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) N-12 HP, & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

DRAWN BY	EBC	MATERIAL	
DATE	03-29-06		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	03-11-16		
DWG SIZE	A	SCALE 1:30	SHEET 1 OF 1

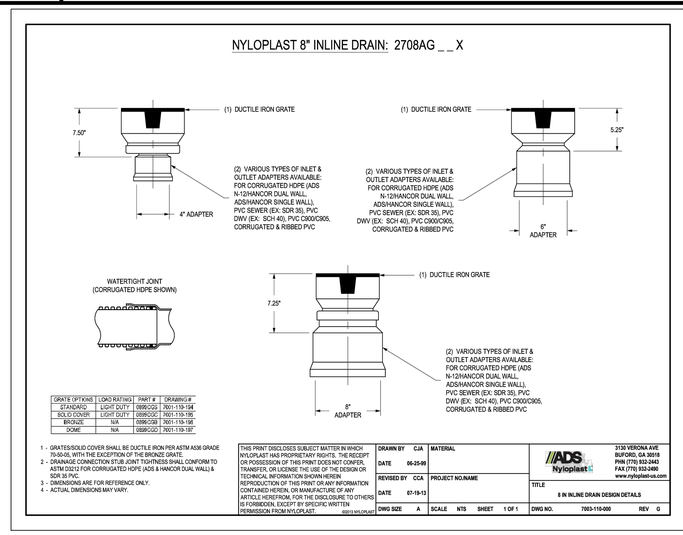
ADS Nyloplast — 3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: 12 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-189 REV E

NYLOPLAST DRAIN BASIN

4 C601



GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
STANDARD	LIGHT DUTY	0899CGS	7001-119-194
SOLID COVER	LIGHT DUTY	0899CGC	7001-119-195
BRONZE	N/A	0899CGB	7001-119-196
DOME	N/A	0899CGD	7001-119-197

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC.
3 - DIMENSIONS ARE FOR REFERENCE ONLY.
4 - ACTUAL DIMENSIONS MAY VARY.

DRAWN BY	CJA	MATERIAL	
DATE	06-25-09		
REVISED BY	CCA	PROJECT NO./NAME	
DATE	07-15-13		
DWG SIZE	A	SCALE NTS	SHEET 1 OF 1

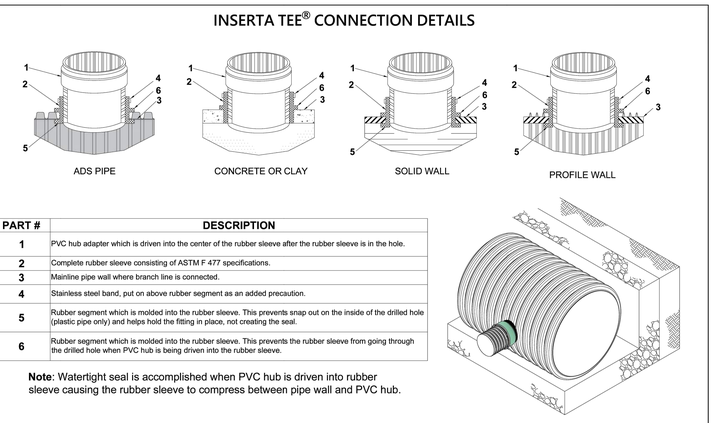
ADS Nyloplast — 3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: 8 IN INLINE DRAIN DESIGN DETAILS

DWG NO. 7003-110-000 REV G

NYLOPLAST YARD DRAIN

5 C601



PART #	DESCRIPTION
1	PVC hub adapter which is driven into the center of the rubber sleeve after the rubber sleeve is in the hole.
2	Complete rubber sleeve consisting of ASTM F 477 specifications.
3	Mainline pipe wall where branch line is connected.
4	Stainless steel band, put on above rubber segment as an added precaution.
5	Rubber segment which is molded into the rubber sleeve. This prevents snap out on the inside of the drilled hole (plastic pipe only) and helps hold the fitting in place, not creating the seal.
6	Rubber segment which is molded into the rubber sleeve. This prevents the rubber sleeve from going through the drilled hole when PVC hub is being driven into the rubber sleeve.

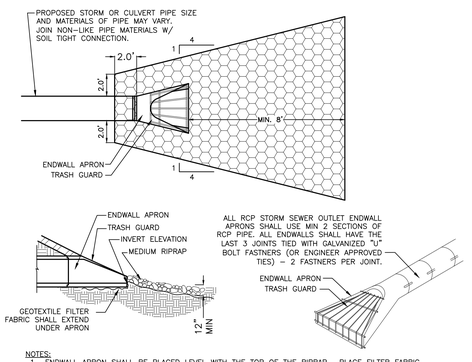
Note: Watertight seal is accomplished when PVC hub is driven into rubber sleeve causing the rubber sleeve to compress between pipe wall and PVC hub.

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT JOB SPECIFIC. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR ENGINEER OF RECORD FOR THE CONSTRUCTION PLANS FOR THE PROJECT, INCLUDING THE ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN, MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

INSERTA TEE CONNECTION DETAILS	ADS	4640 TRUEMAN BLVD HILLIARD, OH 43026	DRAWN BY: HAK DATE: 12/4/23 CHECKED BY: ENG SCALE: NTS SHEET: 1
DRAWING NUMBER STD-1123			

INSERTA TEE

6 C601



NOTES:
1. ENDWALL APRON SHALL BE PLACED LEVEL WITH THE TOP OF THE RIPRAP. PLACE FILTER FABRIC BENEATH THE PROPOSED RIPRAP. RIPRAP SHALL BE PLACED ONLY AT DISCHARGE END PIPE. SEE UTILITY PLAN FOR LOCATION.
2. ALL ENDWALLS SHALL HAVE A TRASH GUARD
3. ENDWALL MATERIAL SHALL MATCH PIPE MATERIAL UNLESS OTHERWISE NOTED
4. FOR PIPES ≤ 24", TOE-WALL LENGTH SHALL MATCH WIDTH OF ENDWALL SECTION.
5. FOR PIPES > 24", TOE-WALL LENGTH SHALL EQUAL 2(D) + ENDWALL SECTION WIDTH.

STORM SEWER ENDWALL

7 C601

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

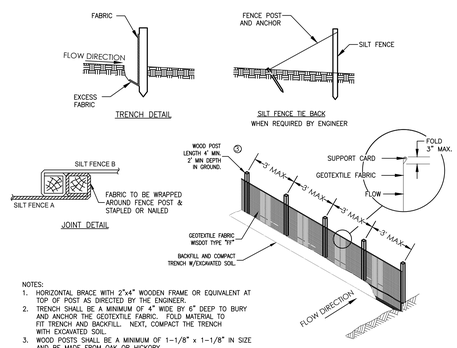
DETAILS

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

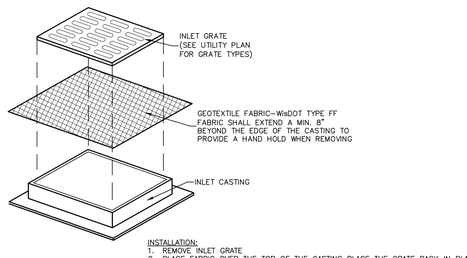
POB Point of Beginning

SHEET C601



NOTES:
1. HORIZONTAL BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POST AS DIRECTED BY THE ENGINEER.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE BY 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL. NEXT, COMPACT THE TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM OF 1-1/8" x 1-1/8" IN SIZE AND BE MADE FROM OAK OR HICKORY.
4. ATTACH THE FABRIC TO THE POST WITH WIRE STAPLES OR WOODEN LATH AND NAILS.
5. WOOD POSTS SHALL MAINTAIN A 3' MAXIMUM SPACING WHEN USING STANDARD GEOTEXTILE FABRIC. WHEN WOVEN GEOTEXTILE FABRIC IS USED, THE WOOD POSTS MAY BE SPACED UP TO 8' APART.

SILT FENCE
1 C602

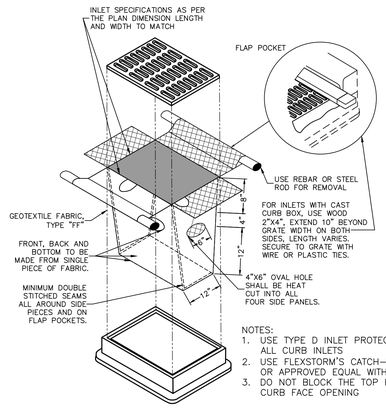


INSTALLATION:
1. REMOVE INLET GRATE
2. PLACE FABRIC OVER THE TOP OF THE CASTING PLACE THE GRATE BACK IN PLACE KEEPING A MINIMUM OF 8" OF FABRIC EXTENDING ON ALL SIDES.

MAINTENANCE:
CLEAN AS NEEDED TO MAINTAIN FLOW. DO NOT CUT OR RIP FABRIC TO INCREASE FLOWS. USE OF FABRIC WILL CREATE SHORT TERM PONDING OF WATER. DO NOT USE FABRIC INLET PROTECTION IF ADJACENT BUILDINGS OR PROPERTIES MAY BE DAMAGED BY PONDING WATER. ELEVATIONS ON SITE SHALL BE SUCH THAT ANY PONDED WATER WILL HAVE AN EMERGENCY OVERFLOW POINT AWAY FROM AREAS THAT MAY BE DAMAGED BY FLOODING.

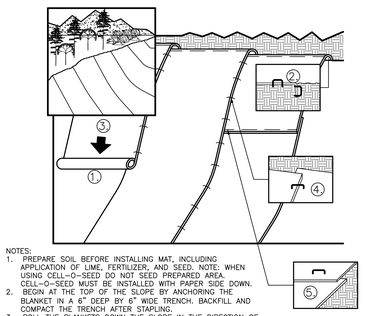
NOTES:
USE ONLY THE FOLLOWING GEOTEXTILE FABRICS THAT ARE APPROVED BY THE WisDOT FOR USE AS INLET PROTECTION:
a) LINQ INDUSTRIAL FABRICS – GTF 403
b) TC MIRAFI FILTERWEAVE 401.

INLET PROTECTION
2 C602



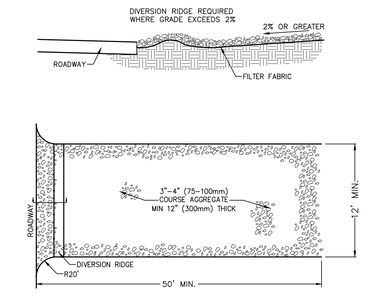
NOTES:
1. USE TYPE D INLET PROTECTION FOR ALL CURB INLETS
2. USE FLEXSTORM'S CATCH–IT PRODUCT OR APPROVED EQUAL WITH RIGID FRAME.
3. DO NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING

CURB INLET PROTECTION
3 C602



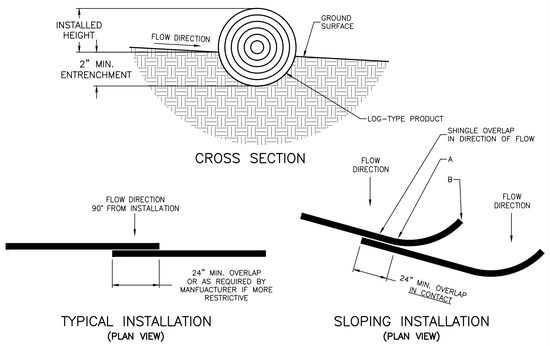
NOTES:
1. PREPARE SOIL BEFORE INSTALLING MAT, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART.
5. EROSION CONTROL MAT SHALL BE LISTED ON THE CURRENT WisDOT PRODUCT ACCEPTABILITY LIST (PAL) AS A CLASS I TYPE A EROSION MAT.

EROSION CONTROL BLANKET
4 C602



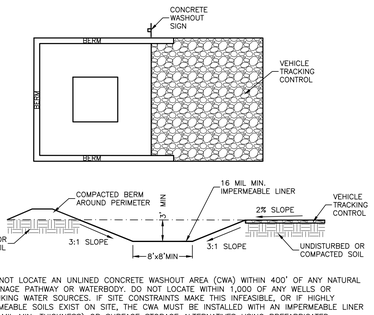
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT–OF–WAYS. THIS MAY REQUIRE TOP DRESSING. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.

ROCK CONSTRUCTION ENTRANCE
5 C602



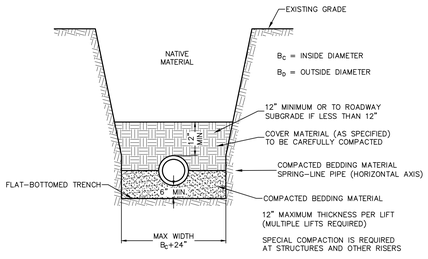
NOTES:
1. USE WDNR T.S. 1071 "INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS."
2. INSTALLED HEIGHT IS MEASURED FROM THE UPSLOPE GROUND SURFACE TO THE TOP OF THE PRODUCT. DUE TO SETTLEMENT &/OR DEFORMATION, THE INSTALLED HEIGHT MAY NOT BE EQUIVALENT TO THE NOMINAL DIAMETER OF THE PRODUCT.
3. J–HOOKS SHALL BE INSTALLED SO THAT THE GROUND–PRODUCT INTERFACE ELEVATION AT LOCATION "B" IS HIGHER THAN THE TOP OF PRODUCT ELEVATION AT LOCATION A TO CREATE A WEIR AT POINT "A".
4. J–HOOKS SHALL BE INSTALLED EVERY 2 VERTICAL FEET OF DROP ALONG THE LENGTH OF THE INSTALLATION.
5. STAKE OVERLAP AS REQUIRED BY MANUFACTURER.
6. INSPECT DITCH CHECK FOR DEFICIENCIES PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AFTER RAIN EVENTS, AND AT 1–WEEK INTERVALS.
7. REMOVE SEDIMENT BEHIND DITCH CHECK BEFORE SEDIMENT LEVEL REACHES THE HALFWAY POINT BETWEEN THE GROUND SURFACE AND TOP OF THE DITCH CHECK.

SLOPE INTERRUPTION
6 C602



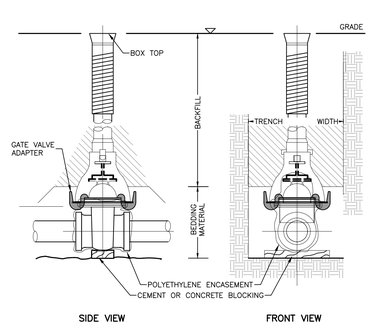
NOTES:
1. DO NOT LOCATE AN UNLINED CONCRETE WASHOUT AREA (CWA) WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000 OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE SHOULD BE USED.
2. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
3. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' WITH SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1. THE PIT SHALL BE AT LEAST 3' DEEP.
4. BERM SURROUNDING SIDES AND BACK OF CWA SHALL HAVE A MINIMUM HEIGHT OF 1'.
5. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS CWA PIT.
6. SIGNS SHALL BE PLACED AT THE CONSTUCTION ENTRACE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

CONCRETE WASHOUT
7 C602



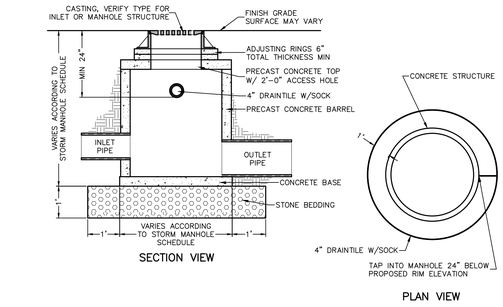
BEDDING & COVER MATERIAL	
SCREENED SAND OR BANK RUN GRAVEL MEETING THE FOLLOWING GRADING REQUIREMENTS SHALL BE USED.	
SIEVE SIZE	PERCENTAGE PASSING BY WEIGHT
1"	100
¾"	85 TO 100
NO. 40	15 TO 35
NO. 200	2 TO 10

STANDARD PIPE BEDDING
8 C602



NOTES:
1. VALVE SHALL BE WATEROUS 2500 SERIES, PER SPSS 601.1.4, OR CITY APPROVED EQUAL.

6" GATE VALVE
9 C602



NOTES:
1. DRAINTILE SHALL BE INSTALLED AROUND ALL NEW & EXISTING MANHOLES WITHIN PAVEMENT AREAS, UNLESS OTHERWISE NOTED ON PLANS.
2. MANHOLES STEPS SHALL BE INSTALLED IN ALL STORM STRUCTURES EXCEEDING A TOTAL HEIGHT OF 5.0'.

STORM SEWER MANHOLE
10 C602

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

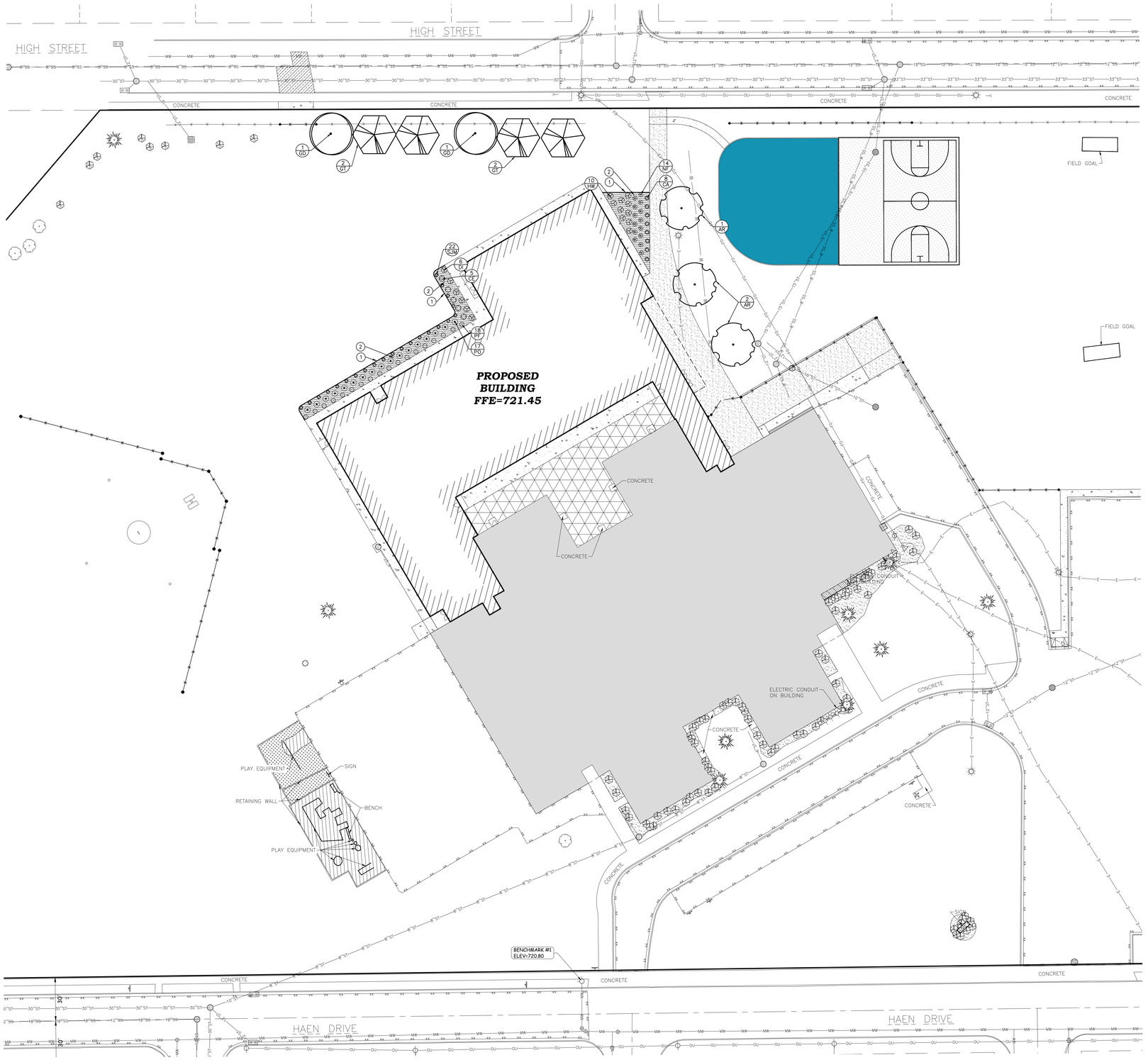
DETAILS

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

POB Point of Beginning

SHEET C602



GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LANDSCAPE AREAS. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SPECIFIED PLANTING SOIL DEPTH IS PRESENT PRIOR TO PLANTING.
3. SEED/FERTILIZE/CRIMP HAY MULCH ALL GENERAL LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION EXCEPT ARES LABELED AS SYNTHETIC TURF.
4. ALL PLANT MATERIALS LISTED SHALL MEET THE STANDARDS OF THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION FOR THE SIZES GIVEN.
5. ALL TREES SHALL BE STAKED WITH A MINIMUM OF THREE STAKES.
6. ALL TREES IN THE TURF AREA SHALL HAVE A 5' DIAMETER CIRCLE OF 4" DEPTH SHREDDED HARDWOOD BARK MULCH.
7. CURV-RITE LANDSCAPING EDGING (SERIES 3000 3/16" X 4", WITH MILL FINISH) OR APPROVED EQUAL SHALL BE PLACED AROUND ALL LANDSCAPE BEDS.
8. 3" DEPTH OF SHREDDED HARDWOOD BARK MULCH SHALL BE PLACED IN ALL LANDSCAPE PLANTING BEDS AS NOTED. PROVIDE A SAMPLE TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
9. 20 YEAR WEED BARRIER FILTER FABRIC SHALL BE PLACED BENEATH ALL LANDSCAPE HARDWOOD BARK MULCH.
10. COORDINATE ALL LANDSCAPE WORK WITH GAS, ELECTRIC, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES FOR THE INSTALLATION OF SAID UTILITIES.

PLANTING SCHEDULE:

TREES SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
AR	ACER SACCHARUM 'BAILSTA'	FALL FIESTA MAPLE	2" CAL.	60'T X 40'W	3
GD	GYMNOCLADUS DIOICUS 'ESPRESSO'	ESPRESSO KENTUCKY COFFEE TREE	2" CAL.	50'T X 35'W	2
GT	GLEDITSIA TRIANCANTHOS 'SKYCOLE'	SKYLINE HONEYLOCUST	2" CAL.	50'T X 35'W	4

SHRUBS SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
CE	CEANOTHUS AMERICANUS	NEW JERSEY TEA	3 GAL.	3'T X 3'W	5
DI	DIERVILLA IONICERA	DWARF BUSH HONEYSUCKLE	3 GAL.	3'T X 3'W	6
PF	POTENTILLA FRUTICOSA 'GOLD STAR'	GOLD STAR POTENTILLA	3 GAL.	2'T X 3'W	18
PO	PHYSOCARPUS OPULIFOLIUS 'SMPOTW'	TINY WINE NINEBARK	3 GAL.	3-4'T & W	17
SJM	SPIRAEA JAPONICA 'WALBUMA'	MAGIC CARPET SPIREA	3 GAL.	18-24"T X 24"W	22

ORNAMENTAL GRASS SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
CA	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	3 GAL	5'-7'T	8

PERENNIALS SYMBOLS	BOTANICAL NAME	COMMON NAME	INSTALLATION SIZE	SIZE AT MATURITY	QUANTITY
HW	HOSTA 'DIAMOND LAKE'	DIAMOND LAKE HOSTA	3 GAL	2'T X 4'W	10
NF	NEPETA FAASSENII	NEPETA	3 GAL	20"T X 3'W	14

KEYNOTES:

1. LANDSCAPE EDGING – SEE GENERAL NOTES
2. LANDSCAPE HARDWOOD MULCH – SEE GENERAL NOTES

LEGEND:

PROPOSED LANDSCAPE BED

LANDSCAPE REQUIREMENTS:

REQUIREMENT: ADD AT LEAST ONE CANOPY TREE, NOT LESS THAN 1.5" CALIPER, FOR EVERY 75 LINEAR FEET WITHIN THE FRONT YARD SETBACK ADJACENT TO THE STREET.
APPROXIMATELY 423 L.F. OF STREET FRONTAGE WITHIN PROJECT AREA/ 75 L.F. = 6 TREES REQUIRED
PROPOSED: 6 CANOPY TREES (1.5" CALIPER)
REQUIREMENT: FOR EVERY 5 L.F. OF BUILDING STREET FRONTAGE, (1) SHRUB SHALL BE PLACED ON SITE.
APPPROXIMATELY 496 L.F. OF BUILDING STREET FRONTAGE/ 5 L.F= 99.2 SHRUBS REQUIRED
PROPOSED: 100 SHRUBS

0' 30' 60'
1" = 30'

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

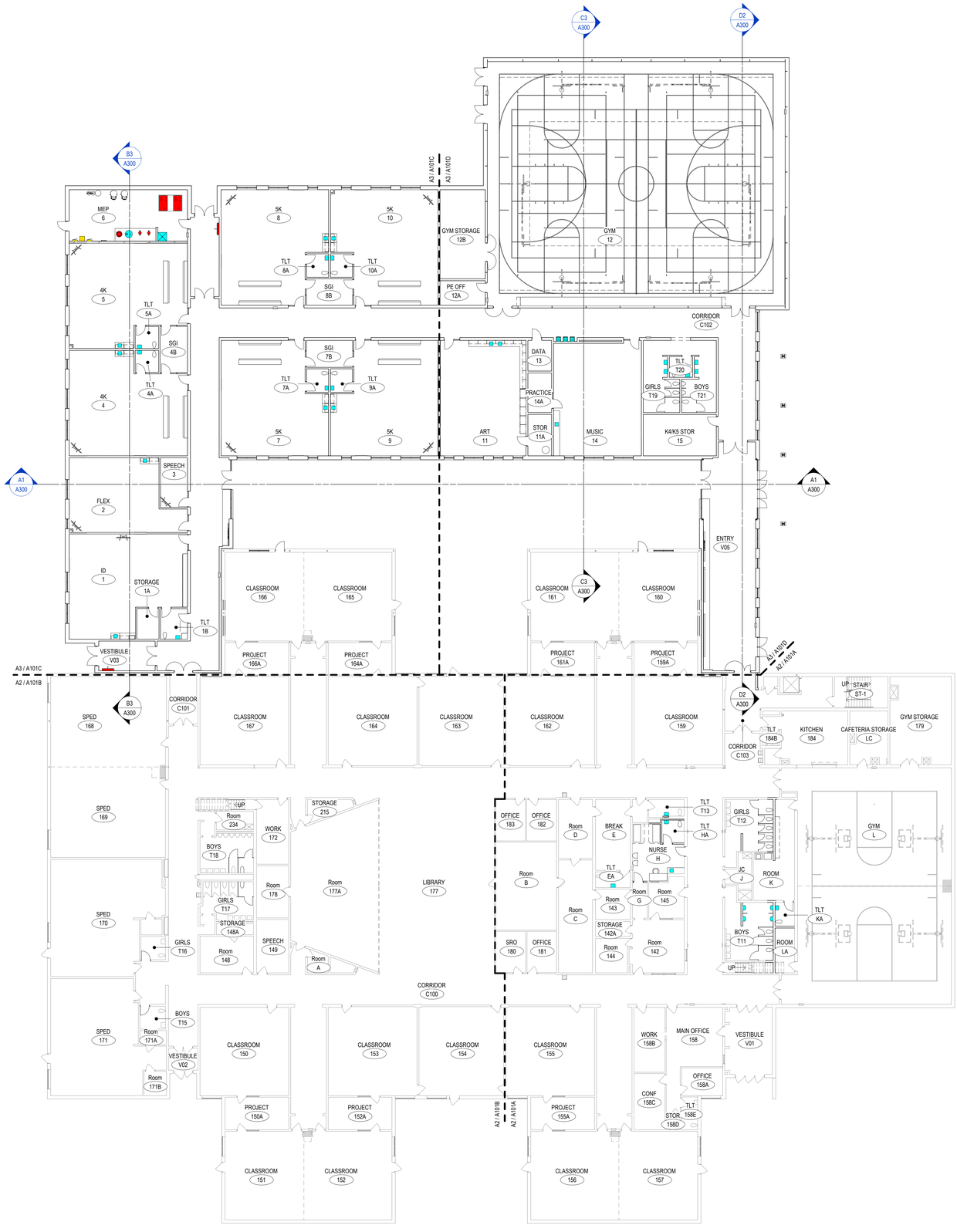
LANDSCAPE PLAN

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

POB Point of Beginning

SHEET L100



FLOOR PLAN NOTES

A. BEFORE BEGINNING WORK, VERIFY THE EXISTENCE AND LOCATION OF PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING THE WORK. IF DISCREPANCIES ARE DISCOVERED, NOTIFY ARCHITECT PROMPTLY.

B. ALL DIMENSION STRINGS ARE TO FINISH FACE OF WALL, UNLESS NOTED OTHERWISE

C. VERIFY STRUCTURAL ELEMENTS, INCLUDING BUT NOT LIMITED TO POST TENSION CABLES OR OTHER REINFORCEMENT EMBEDDED IN FLOOR SLABS PRIOR TO CORING OR CUTTING. COORDINATE VERIFICATION METHOD WITH **<OWNER> <OWNER REPRESENTATIVE>.**

D. REFER TO SHEET A010 FOR REFERENCED PARTITION TYPES AND DETAILS. WALLS NOT TAGGED ON THESE PLANS SHALL BE PARTITION TYPE S6A-S12.

E. PROVIDE MOISTURE- AND MOLD-RESISTANT GYPSUM BOARD AT THE FOLLOWING LOCATIONS:
- ENTIRE WALL DIRECTLY BEHIND OR ADJACENT TO ANY PLUMBING FIXTURE INCLUDING, BUT NOT LIMITED TO, WATER CLOSETS, SHOWERS, DRINKING FOUNTAINS, SINKS, LAVATORIES AND EYEWASHES.
- ALL WALLS OF AREAS INCLUDING, BUT NOT LIMITED TO, SINGLE OCCUPANT TOILET ROOMS, JANITOR CLOSETS, SWIMMING POOLS, THERAPY POOLS, COMMERCIAL KITCHENS, DISHWASHING, ETC.
- WHERE CERAMIC TILE OR SOLID SURFACE WALL CLADDING IS SCHEDULED, PROVIDE CEMENT BOARD BACKER BOARD IN LIEU OF GYPSUM BOARD.

F. LOCATE ALL DOOR JAMBS 4" FROM ADJACENT PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.

G. <REPAIR, PATCH AND CLEAN ALL EXISTING SURFACES SCHEDULED TO REMAIN THAT ARE AFFECTED BY DEMOLITION OR NEW CONSTRUCTION. MAKE APPEAR NEW, MATCHING ADJACENT CONSTRUCTION. PREPARE ALL SURFACES AS REQUIRED FOR SCHEDULED FINISHES. SKIM COAT AND PREPARE ALL DAMAGED OR UNFINISHED SURFACES.>

H. <PATCH ALL WALL BASE SCARS AT EXISTING WALL SURFACES. PREPARE SMOOTH TO RECEIVE NEW WALL BASE FOR UNIFORM APPEARANCE.>

I. <PATCH WALLS TO MATCH ADJACENT SURFACES AT ALL ABANDONED OR REMOVED OUTLET AND SWITCH LOCATIONS. BLANK COVER PLATES ARE NOT ACCEPTABLE.>

J. <PREPARE FLOOR LEVEL AND SMOOTH FOR NEW HARD SURFACE FINISHES. PATCH EXISTING PENETRATIONS AND ABNORMALITIES IN CONCRETE FLOOR.>

K. <ALL AREAS DISTURBED BY DEMOLITION SHALL BE PATCHED AND PROPERLY PREPARED FOR NEW FINISH APPLICATIONS. WHERE ADJACENT FINISHES ARE EXISTING TO REMAIN, PATCH AND MATCH EXISTING FINISHES. CONSULT WITH THE OWNER TO IDENTIFY ATTIC STOCK AND/OR PREVIOUS MATERIAL SPECIFICATIONS.>

L. PROVIDE BLOCKING IN WALLS AS REQUIRED FOR NEW MILLWORK, CASEWORK, DOOR BUMPERS, ACCESSORIES, EQUIPMENT, FIXTURES, AND **<OWNER'S> <TENANT'S>** WALL-MOUNTED EQUIPMENT, INCLUDING BUT NOT LIMITED TO, TELEVISIONS/MONITORS, MARKER BOARDS, TACK BOARDS AND SIGNAGE. OPEN EXISTING WALLS AS NEEDED TO INSTALL CONCEALED BLOCKING WHERE REQUIRED, AND PATCH WALLS TO MATCH EXISTING CONSTRUCTION. COORDINATE WITH **<OWNER> <TENANT>** ON LOCATIONS OF WALL-MOUNTED EQUIPMENT.

M. PROVIDE 3/4" FIRE-RETARDANT TREATED PLYWOOD AS BACKING PANELS FOR TELEPHONE & ELECTRICAL EQUIPMENT AT **<ROOM NAME AND NUMBER >** INSTALL AT 1'-0" AFF TO FINISHED CEILING. PAINT PLYWOOD TO MATCH ADJACENT WALL FINISH. COORDINATE FINAL SIZE AND LOCATION WITH **<TENANT> <OWNER.>**

KEYNOTES PER SHEET

N TRUE N PLAN

A2 1ST FLR PLAN OVERALL
1/16" = 1'-0" | A101

eua
milwaukee | madison | green bay | denver | atlanta

PROJECT INFORMATION

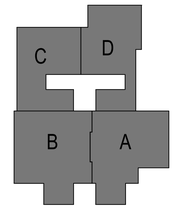
KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION

1130 HAEN DRIVE
KAUKAUNA, WI
54130

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/12/2025	100% SCHEMATIC DESIGN
05/01/2025	PLAN COMMISSION

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER RS

PROJECT NUMBER 323425-01

1ST FLR PLAN

A101

FLOOR PLAN NOTES

A. BEFORE BEGINNING WORK, VERIFY THE EXISTENCE AND LOCATION OF PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING THE WORK. IF DISCREPANCIES ARE DISCOVERED, NOTIFY ARCHITECT PROMPTLY.

B. ALL DIMENSION STRINGS ARE TO FINISH FACE OF WALL, UNLESS NOTED OTHERWISE

C. VERIFY STRUCTURAL ELEMENTS, INCLUDING BUT NOT LIMITED TO POST TENSION CABLES OR OTHER REINFORCEMENT EMBEDDED IN FLOOR SLABS PRIOR TO CORING OR CUTTING. COORDINATE VERIFICATION METHOD WITH **<OWNER> <OWNER REPRESENTATIVE>.**

D. REFER TO SHEET A010 FOR REFERENCED PARTITION TYPES AND DETAILS. WALLS NOT TAGGED ON THESE PLANS SHALL BE PARTITION TYPE 56A-S12.

E. PROVIDE MOISTURE- AND MOLD-RESISTANT GYPSUM BOARD AT THE FOLLOWING LOCATIONS:
- ENTIRE WALL DIRECTLY BEHIND OR ADJACENT TO ANY PLUMBING FIXTURE INCLUDING, BUT NOT LIMITED TO, WATER CLOSETS, SHOWERS, DRINKING FOUNTAINS, SINKS, LAVATORIES AND EYEWASHES.
- ALL WALLS OF AREAS INCLUDING, BUT NOT LIMITED TO, SINGLE OCCUPANT TOILET ROOMS, JANITOR CLOSETS, SWIMMING POOLS, THERAPY POOLS, COMMERCIAL KITCHENS, DISHWASHING, ETC.
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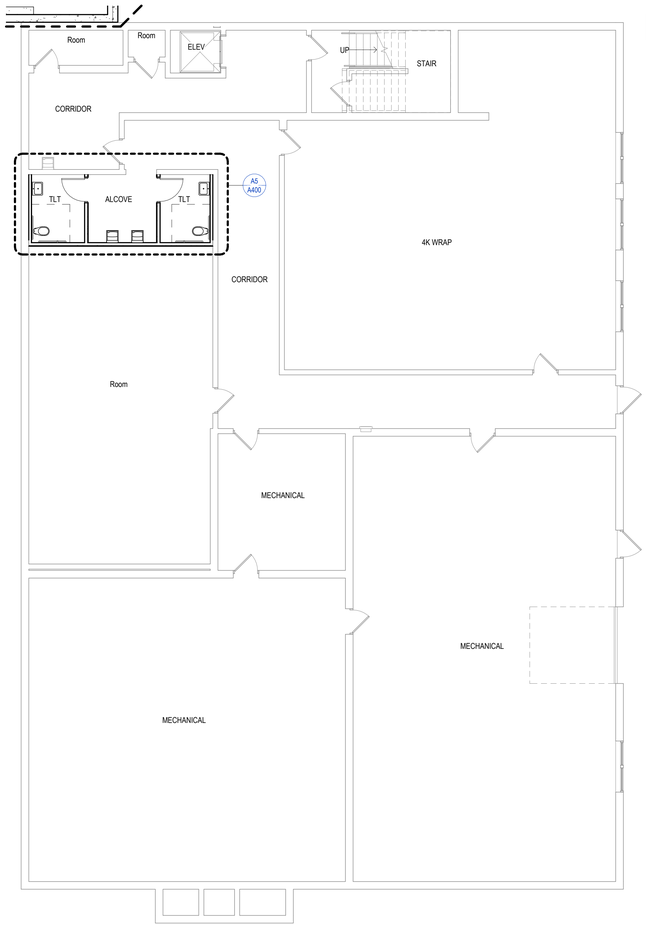
KEYNOTES PER SHEET



A5 LL PLAN - AREA A
1/8" = 1'-0" | A100A

TRUE NORTH | PLAN NORTH

eua
milwaukee | madison | green bay | denver | atlanta

PROJECT INFORMATION

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION

1130 HAEN DRIVE
KAUKAUNA, WI
54130

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
03/12/2025	100% SCHEMATIC DESIGN
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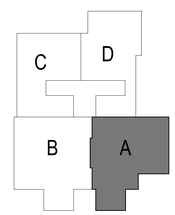
KEY PLAN



SHEET INFORMATION

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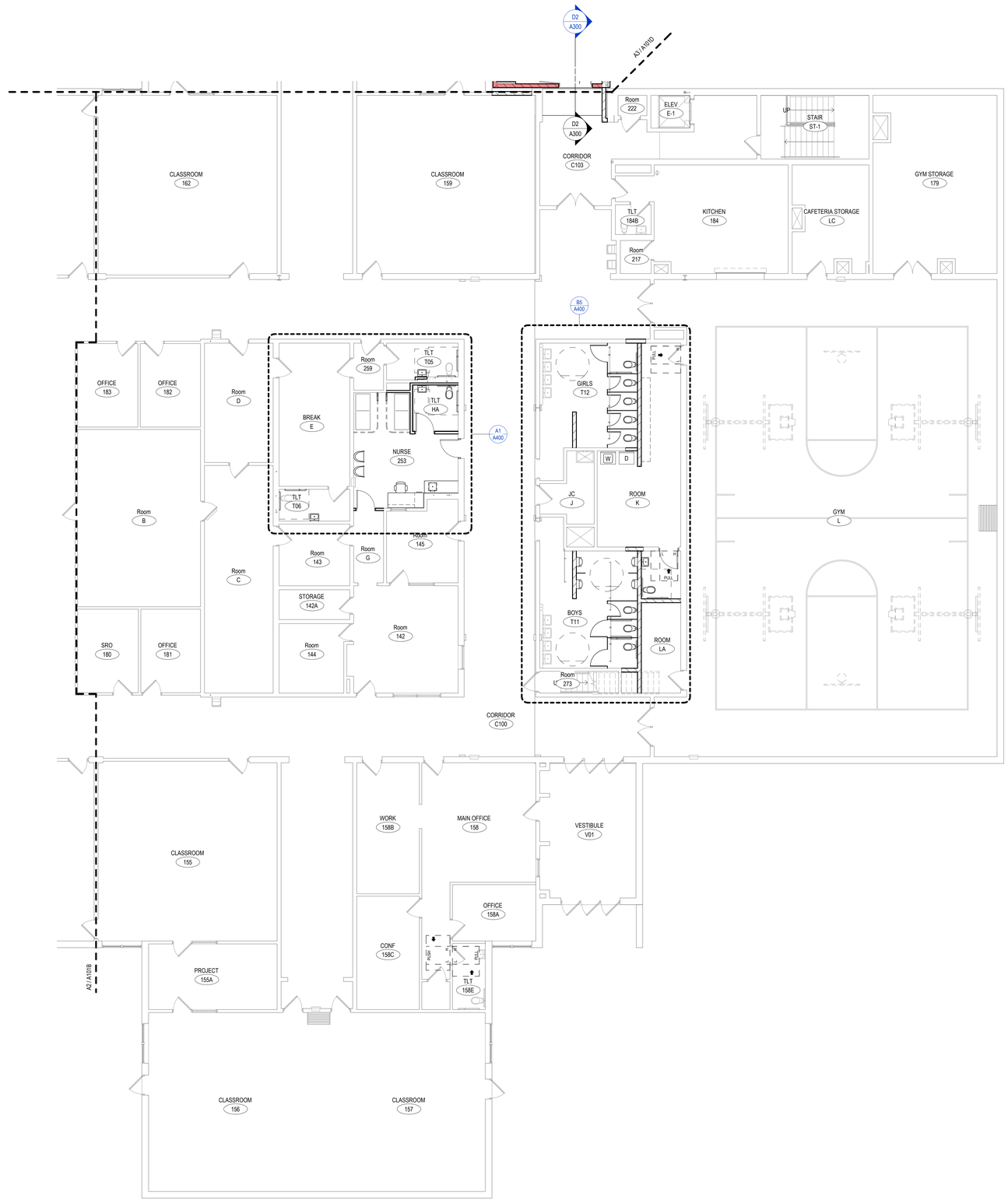
PROJECT MANAGER RS

PROJECT NUMBER 323425-01

LL FLR PLAN - AREA A

A100A



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KEYNOTES PER SHEET

N TRUE N PLAN

A2 1ST FLR PLAN - AREA A
1/8" = 1'-0" | A101A

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PROJECT INFORMATION

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION

1130 HAEN DRIVE
KAUKAUNA, WI
54130

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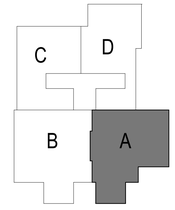
03/12/2025	100% SCHEMATIC DESIGN
05/01/2025	PLAN COMMISSION

KEY PLAN



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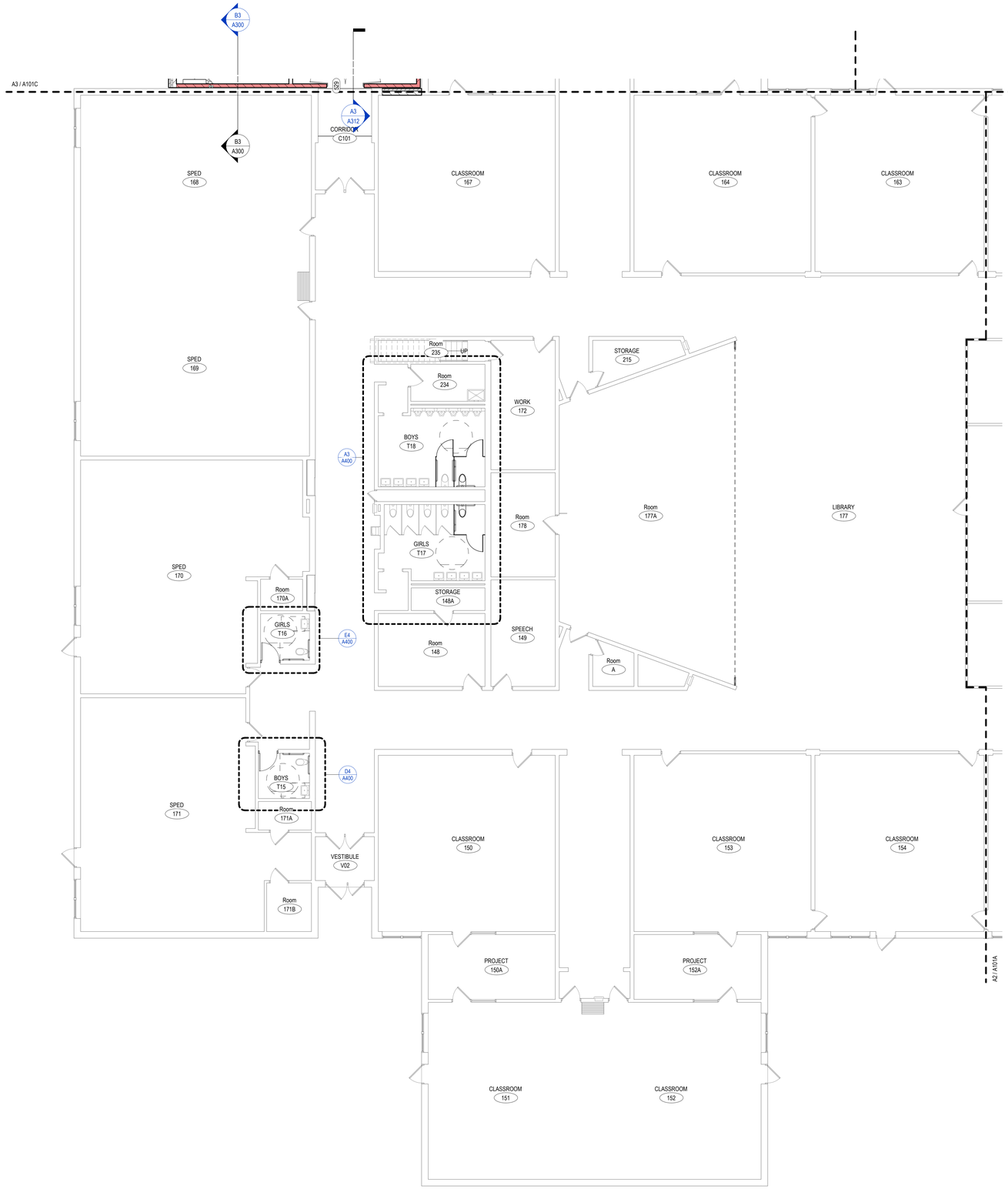
PROJECT MANAGER RS

PROJECT NUMBER 323425-01

1ST FLR PLAN - AREA A

A101A



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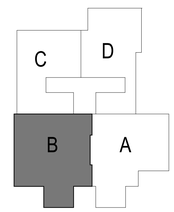

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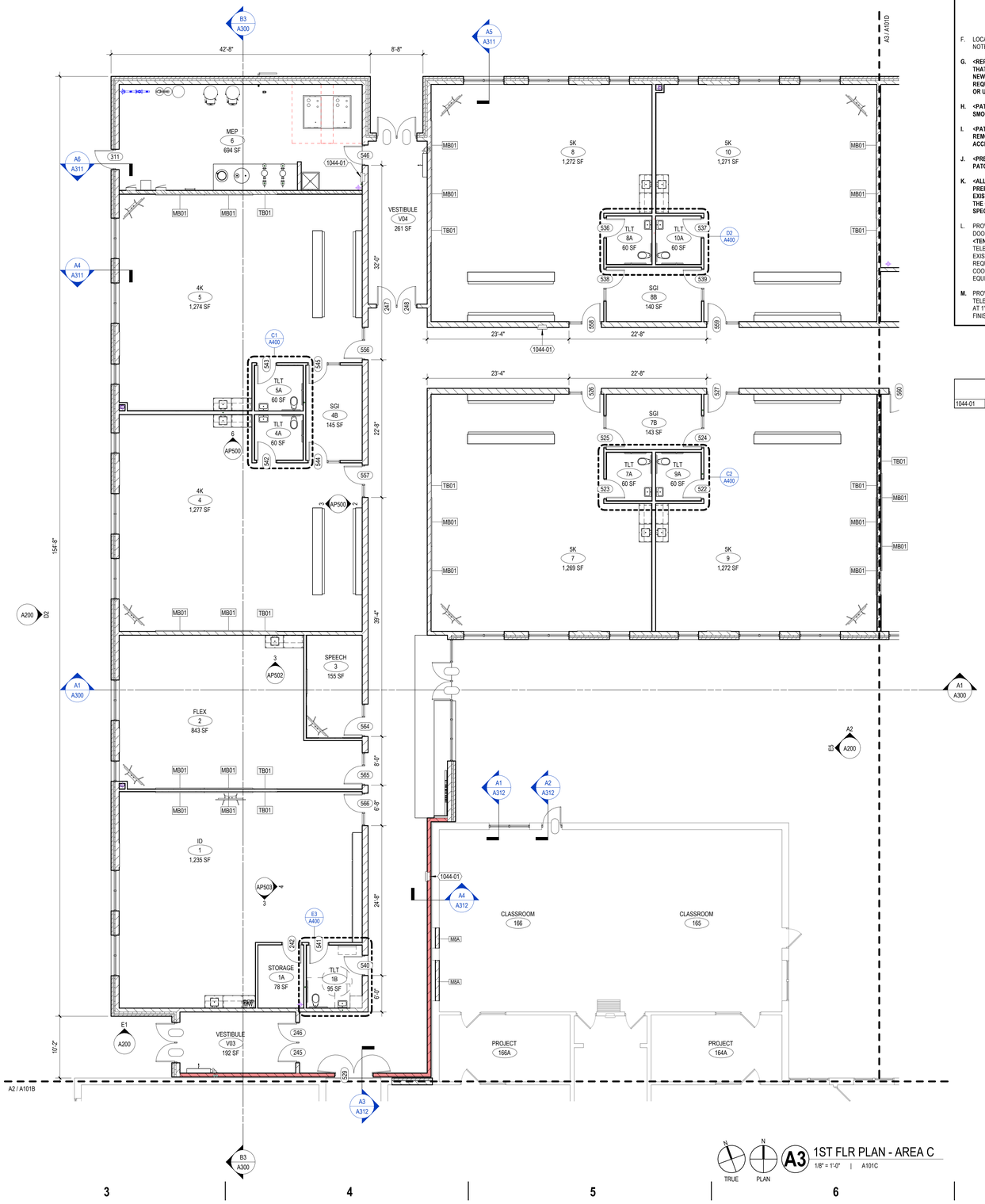
PROJECT NUMBER 323425-01

1ST FLR PLAN - AREA B

A101B



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KEYNOTES PER SHEET

1044-01	SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER

N TRUE N PLAN **A3** 1ST FLR PLAN - AREA C
1/8" = 1'-0" | A101C

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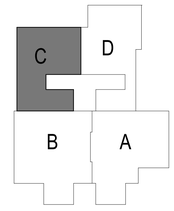

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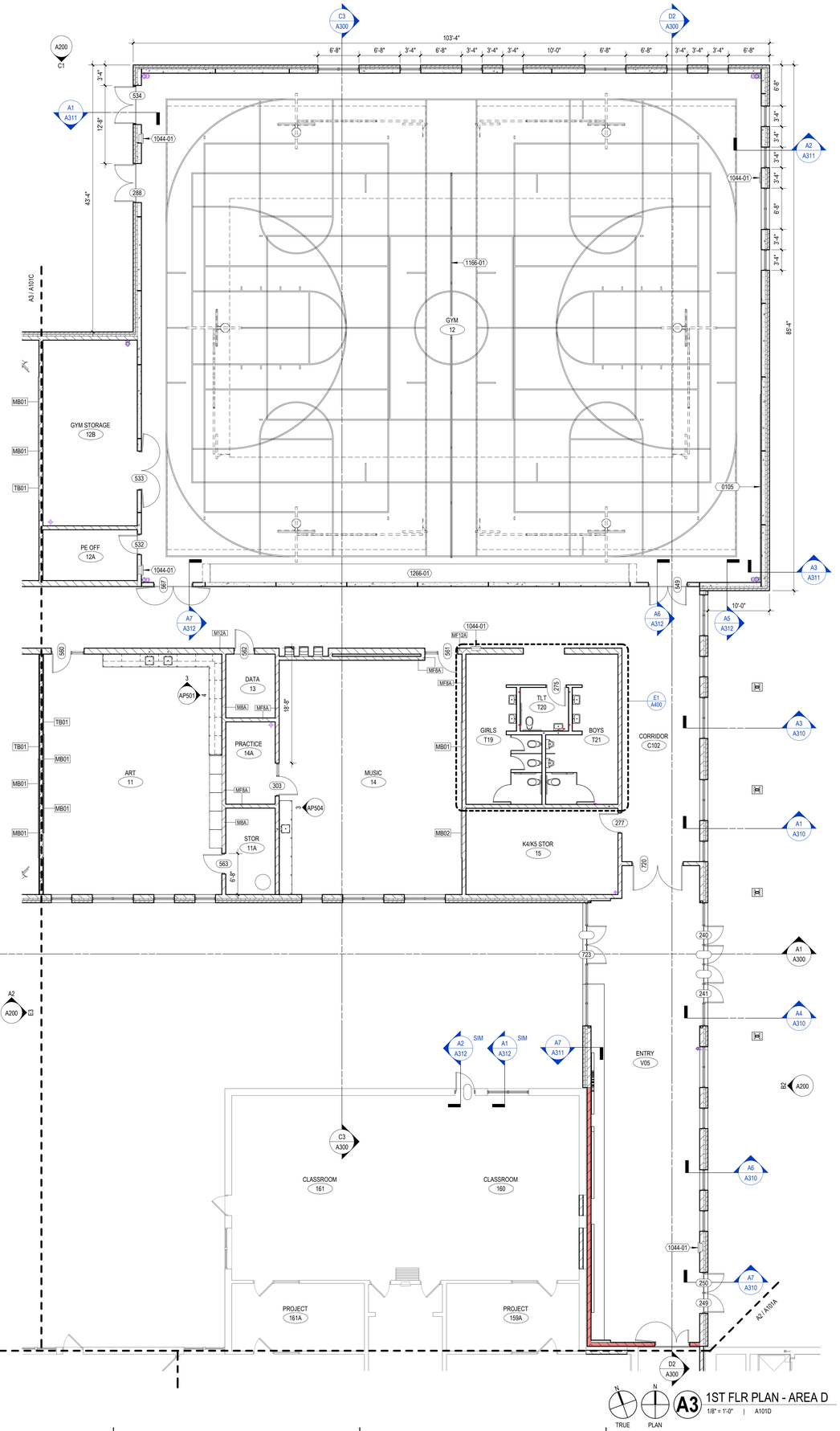
PROJECT NUMBER 323425-01

1ST FLR PLAN - AREA C

A101C



N TRUE N PLAN

A3 1ST FLR PLAN - AREA D
1/8" = 1'-0" | A101D

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KEYNOTES PER SHEET

0105	RELOCATED EXISTING ROCK CLIMBING WALL
1044-01	SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER
1166-01	GYMNASIUM DIVIDER CURTAIN
1266-01	300 SEAT TELESCOPIC BLEACHERS

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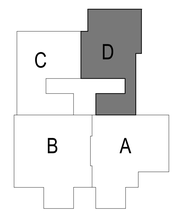

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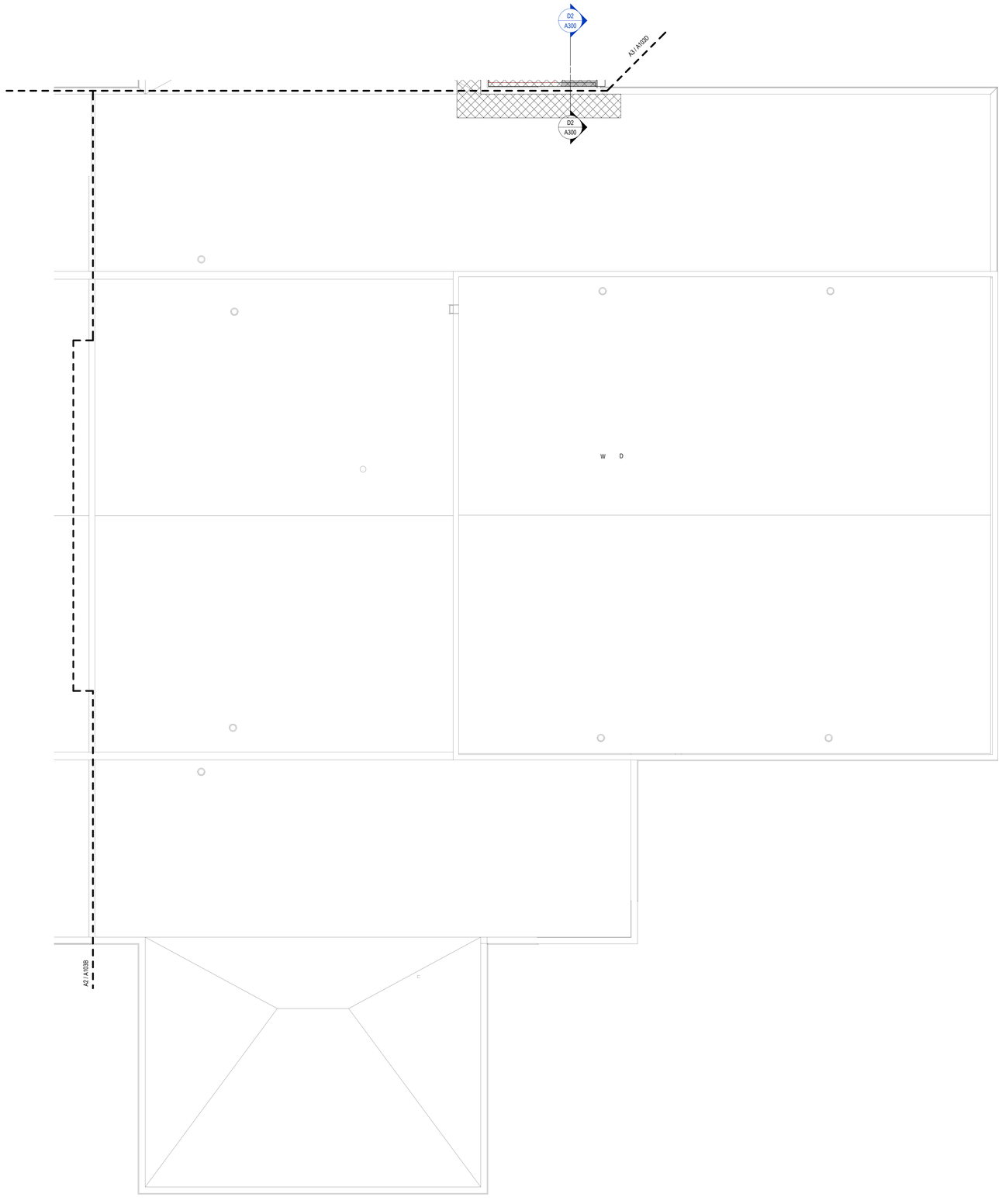
1ST FLR PLAN - AREA D

A101D



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B. PROVIDE WATER TIGHT INTEGRITY AT ALL PENETRATIONS AND EQUIPMENT PER ROOFING MANUFACTURERS STANDARD DETAILS AND REQUIREMENT FOR WARRANTY AND CURRENT NRCA STANDARDS.

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D. PROVIDE TAPERED INSULATION SADDLES AND CRICKETS AT 1/4" PER FOOT AT ALL ROOF TOP EQUIPMENT AND PENETRATIONS TO ENSURE POSITIVE DRAINAGE.

ROOF PLAN LEGEND

RD	ROOF DRAIN
OFD	OVERFLOW DRAIN
DS	DOWNSPOUT
←	SLOPE DIRECTION OF ROOF & TAPERED INSULATION
	CRICKETS AND SADDLES
	TAPERED INSULATION
	NO PENETRATION ZONE THIS AREA

SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION

KEYNOTES PER SHEET

TRUE N PLAN N

A2 ROOF PLAN - AREA A
1/8" = 1'-0" | A103A

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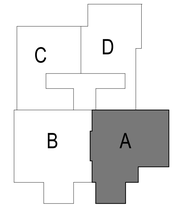

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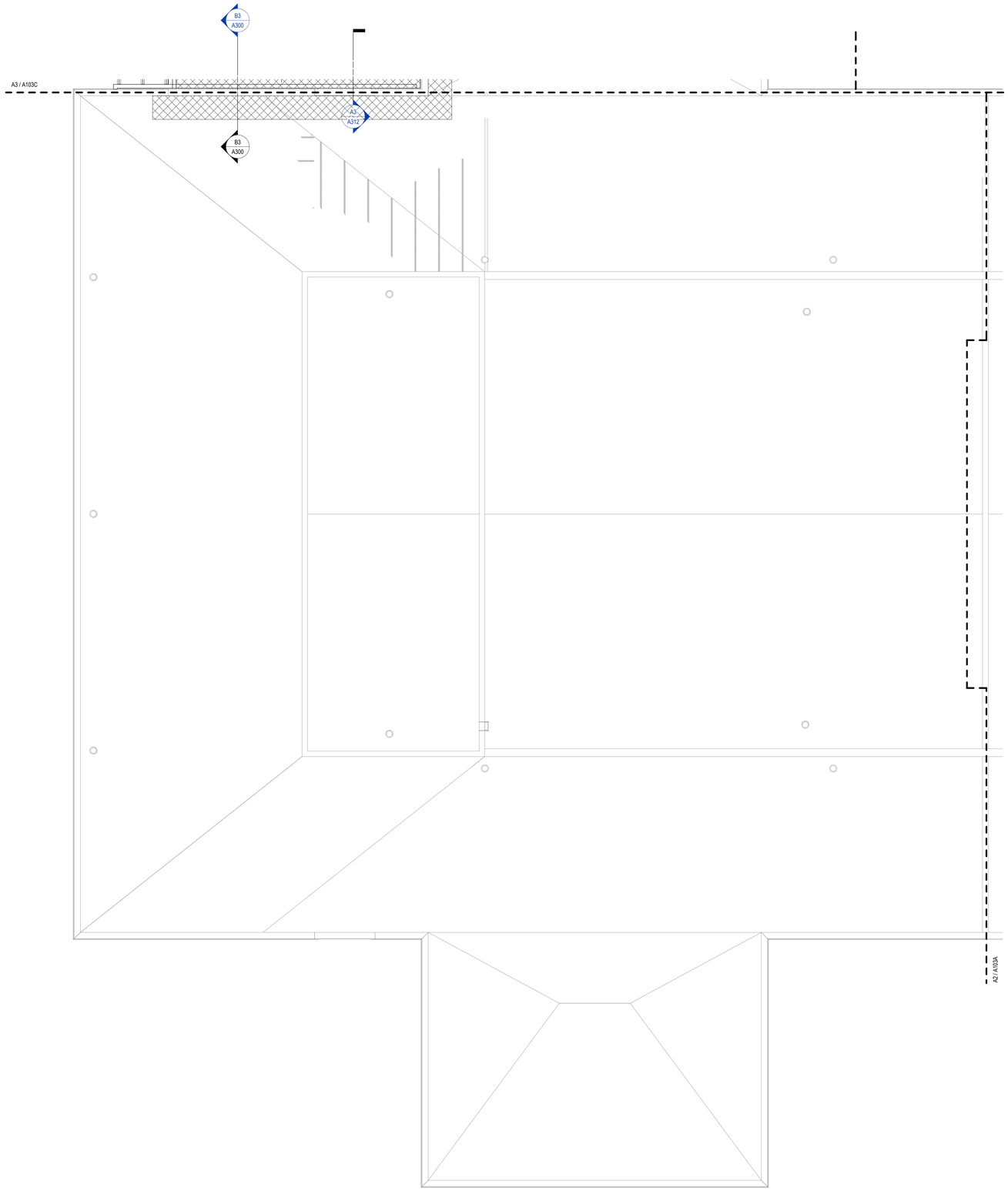
A103A



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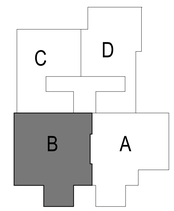

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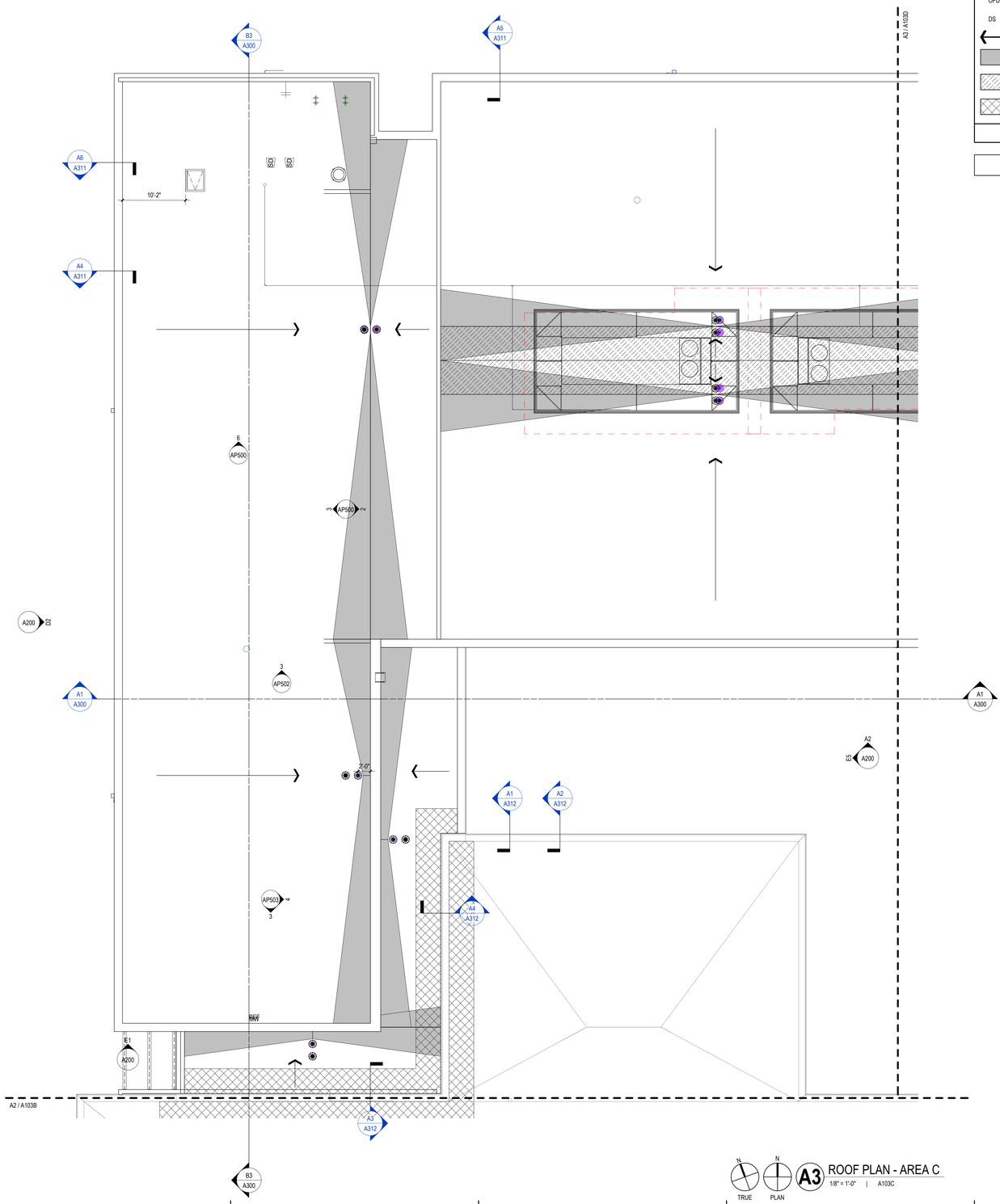

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B. PROVIDE WATER TIGHT INTEGRITY AT ALL PENETRATIONS AND EQUIPMENT PER ROOFING MANUFACTURERS STANDARD DETAILS AND REQUIREMENT FOR WARRANTY AND CURRENT NRCA STANDARDS.

C. PROVIDE 4'-0" X 4'-0" PANS AT ROOF DRAINS.

D. PROVIDE TAPERED INSULATION SADDLES AND CRICKETS AT 1/4" PER FOOT AT ALL ROOF TOP EQUIPMENT AND PENETRATIONS TO ENSURE POSITIVE DRAINAGE.

ROOF PLAN LEGEND

RD	ROOF DRAIN
OFD	OVERFLOW DRAIN
DS	DOWNSPOUT
←	SLOPE DIRECTION OF ROOF & TAPERED INSULATION
	CRICKETS AND SADDLES
	TAPERED INSULATION
	NO PENETRATION ZONE THIS AREA

SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION

KEYNOTES PER SHEET

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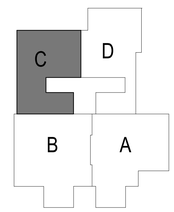
PROJECT INFORMATION

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION

1130 HAEN DRIVE
KAUKAUNA, WI
54130

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/01/2025	PLAN COMMISSION



KEY PLAN

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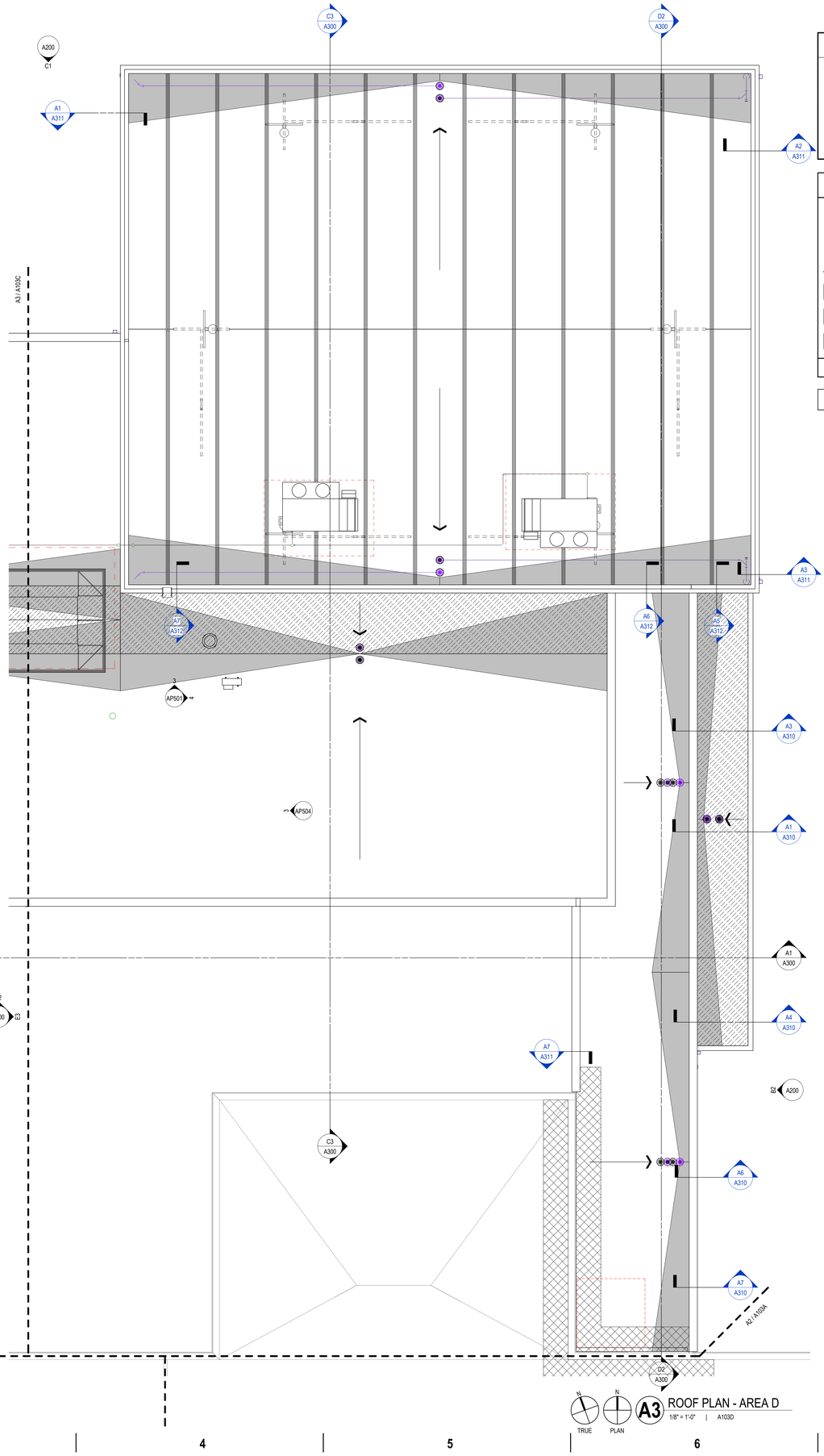
PROJECT MANAGER	RS
PROJECT NUMBER	323425-01

ROOF PLAN - AREA C

A103C

TRUE N | PLAN N

A3 ROOF PLAN - AREA C
1/8" = 1'-0" | A103C



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	CRICKETS AND SADDLES
	TAPERED INSULATION
	NO PENETRATION ZONE THIS AREA

SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION

KEYNOTES PER SHEET

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PROJECT INFORMATION

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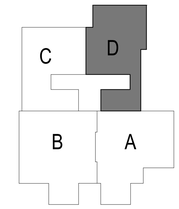

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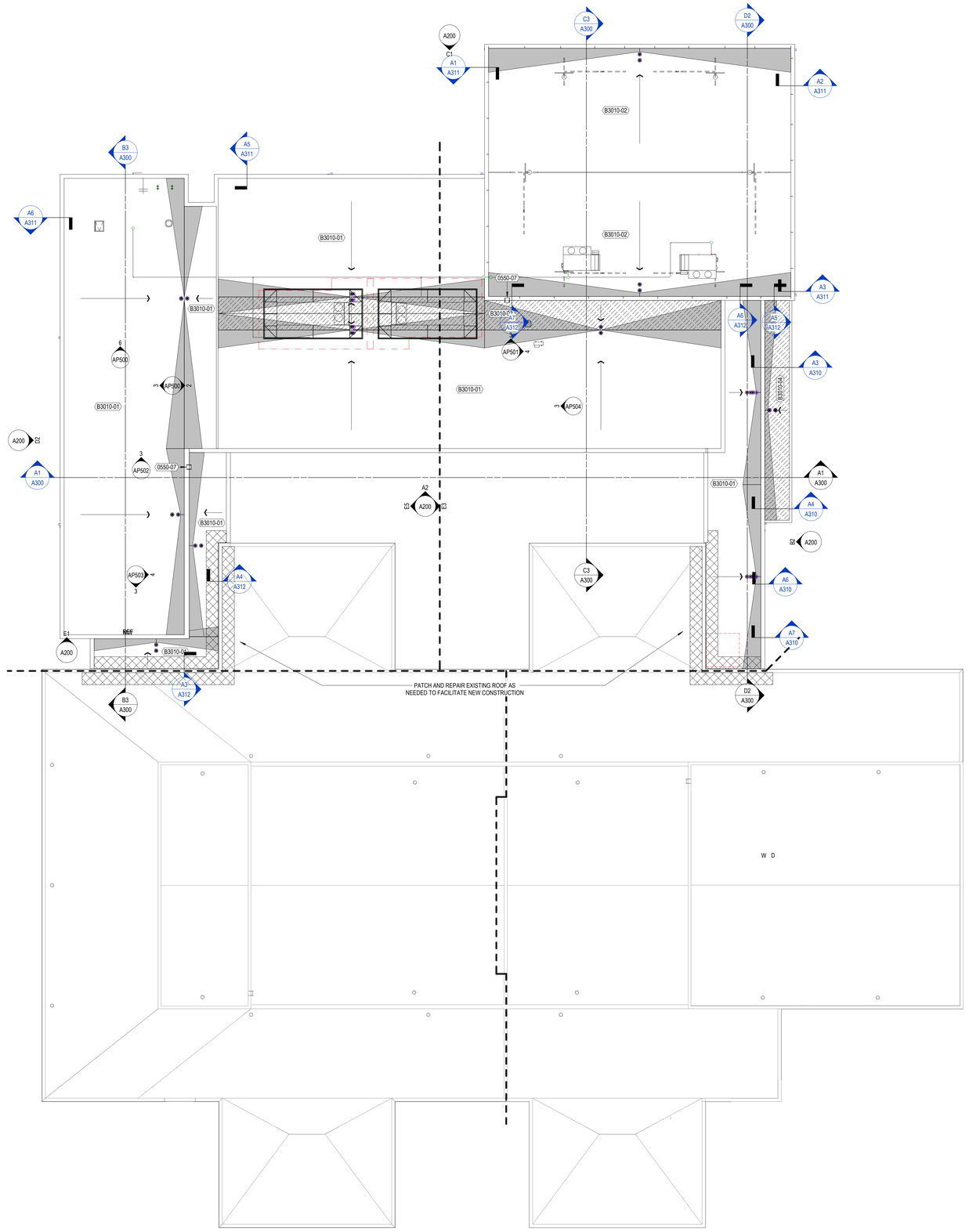
PROJECT MANAGER RS

PROJECT NUMBER 323425-01

ROOF PLAN - AREA D

A103D



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←	SLOPE DIRECTION OF ROOF & TAPERED INSULATION
	CRICKETS AND SADDLES
	TAPERED INSULATION
	NO PENETRATION ZONE THIS AREA

SEE SHEET A000 FOR ROOF ASSEMBLY INFORMATION

KEYNOTES PER SHEET

0550-07	PREFABRICATED ALUMINUM ROOF LADDER
B3010-01	SLOPED STRUCTURE ROOF SYSTEM, REFER TO A000
B3010-02	SLOPED STRUCTURE ROOF SYSTEM, REFER TO A000
B3010-03	FLAT STRUCTURE ROOF SYSTEM, REFER TO A000
B3010-04	FLAT STRUCTURE ROOF SYSTEM, REFER TO A000

N TRUE N PLAN

A3 ROOF PLAN OVERALL
1/16" = 1'-0" | A103

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PROJECT INFORMATION

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION

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KAUKAUNA, WI
54130

ISSUANCE AND REVISIONS

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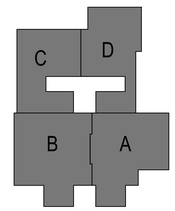
03/12/2025	100% SCHEMATIC DESIGN
05/01/2025	PLAN COMMISSION

KEY PLAN



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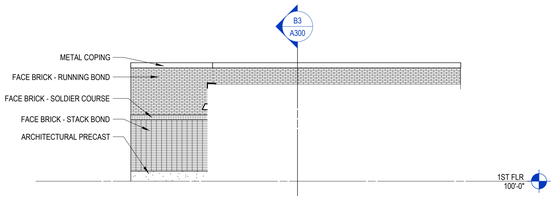
PROJECT MANAGER RS

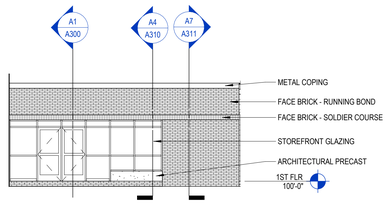
PROJECT NUMBER 323425-01

ROOF PLAN

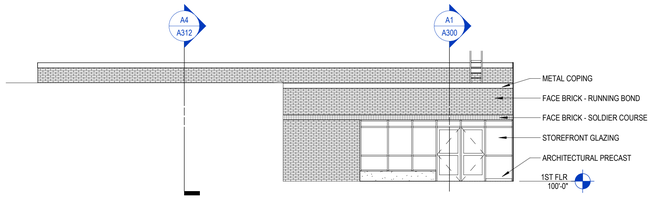
A103



E1 SOUTH ELEVATION
1/8" = 1'-0" | A200



E3 COURTYARD WEST ELEVATION
1/8" = 1'-0" | A200



E5 COURTYARD EAST ELEVATION
1/8" = 1'-0" | A200

EXTERIOR ELEVATION NOTES

A. SEE SHEET **<AXXX>** FOR EXTERIOR FRAME TYPES AND DIMENSIONS.

B. PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT ALL PRECAST CONCRETE JOINTS.

C. ALL INSIDE AND OUTSIDE CORNERS OF PRECAST TRIM TO NOT BE MITERED.

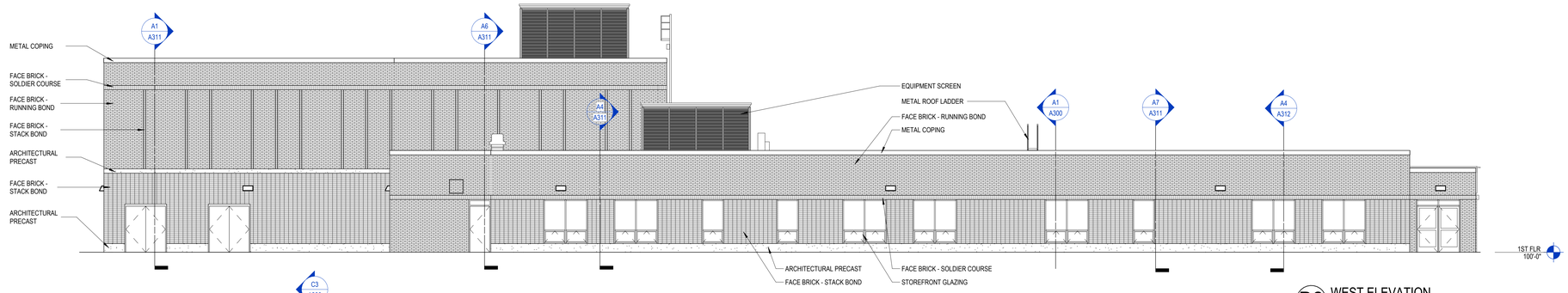
D. EXTERIOR SIGNAGE ON BUILDING TO BE COORDINATED AND VERIFIED WITH ARCHITECT, OWNER AND SIGNAGE VENDOR.

E. ALL VERTICAL INSIDE CORNERS TO HAVE 1/2" MOVEMENT JOINT.

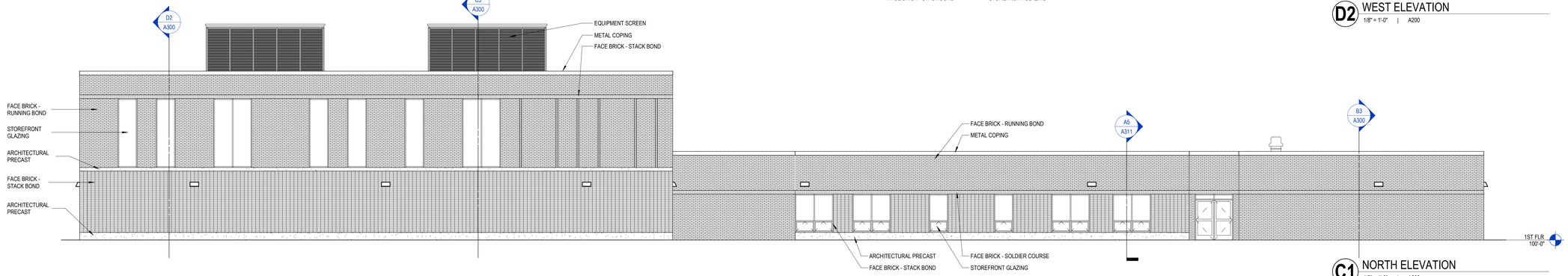
F. MJ = INDICATES MOVEMENT JOINT - 1/2" GAP.

G. **<PJ = INDICATES METAL PANEL JOINT - 1/2" GAP .>**

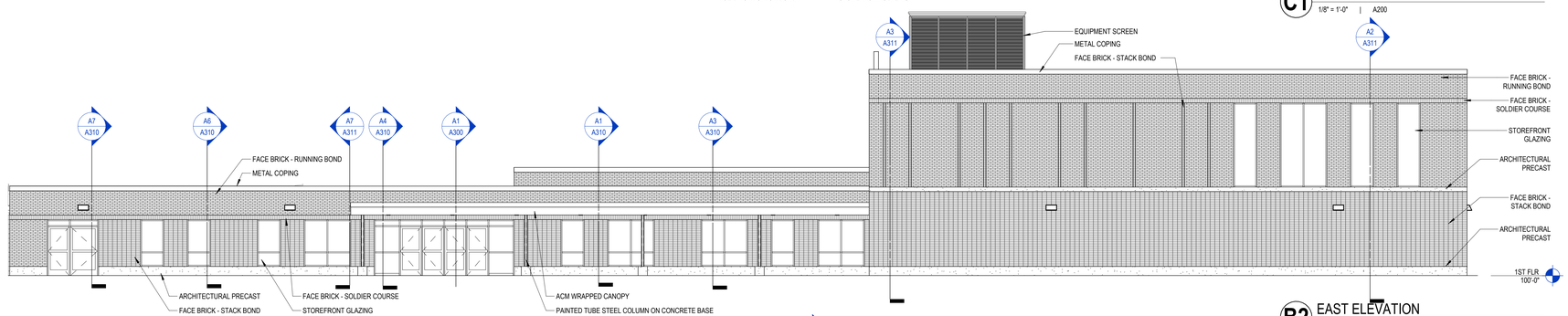
KEYNOTES PER SHEET



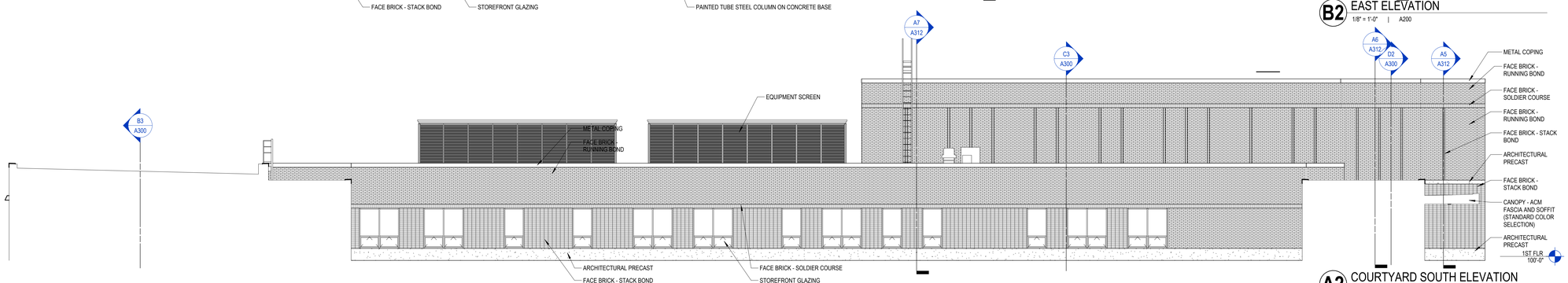
D2 WEST ELEVATION
1/8" = 1'-0" | A200



C1 NORTH ELEVATION
1/8" = 1'-0" | A200



B2 EAST ELEVATION
1/8" = 1'-0" | A200



A2 COURTYARD SOUTH ELEVATION
1/8" = 1'-0" | A200

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PROJECT INFORMATION

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION

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KEY PLAN

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PROJECT MANAGER RS

PROJECT NUMBER 323425-01

EXTERIOR ELEVATIONS

A200

3D VIEW NORTH - GYM

3D VIEW SOUTHEAST - BUS LANE

3D VIEW SOUTHEAST - ENTRY

3D VIEW SOUTHEAST - PLAY AREA

FOR REFERENCE ONLY
TAG - TYP

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PROJECT MANAGER RS

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EXTERIOR AXONOMETRIC VIEWS

A210

3D VIEW AERIAL - NORTH

3D VIEW AERIAL - SOUTH

3D VIEW NORTHWEST - COURTYARD

3D VIEW NORTH

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PROJECT MANAGER RS

PROJECT NUMBER 323425-01

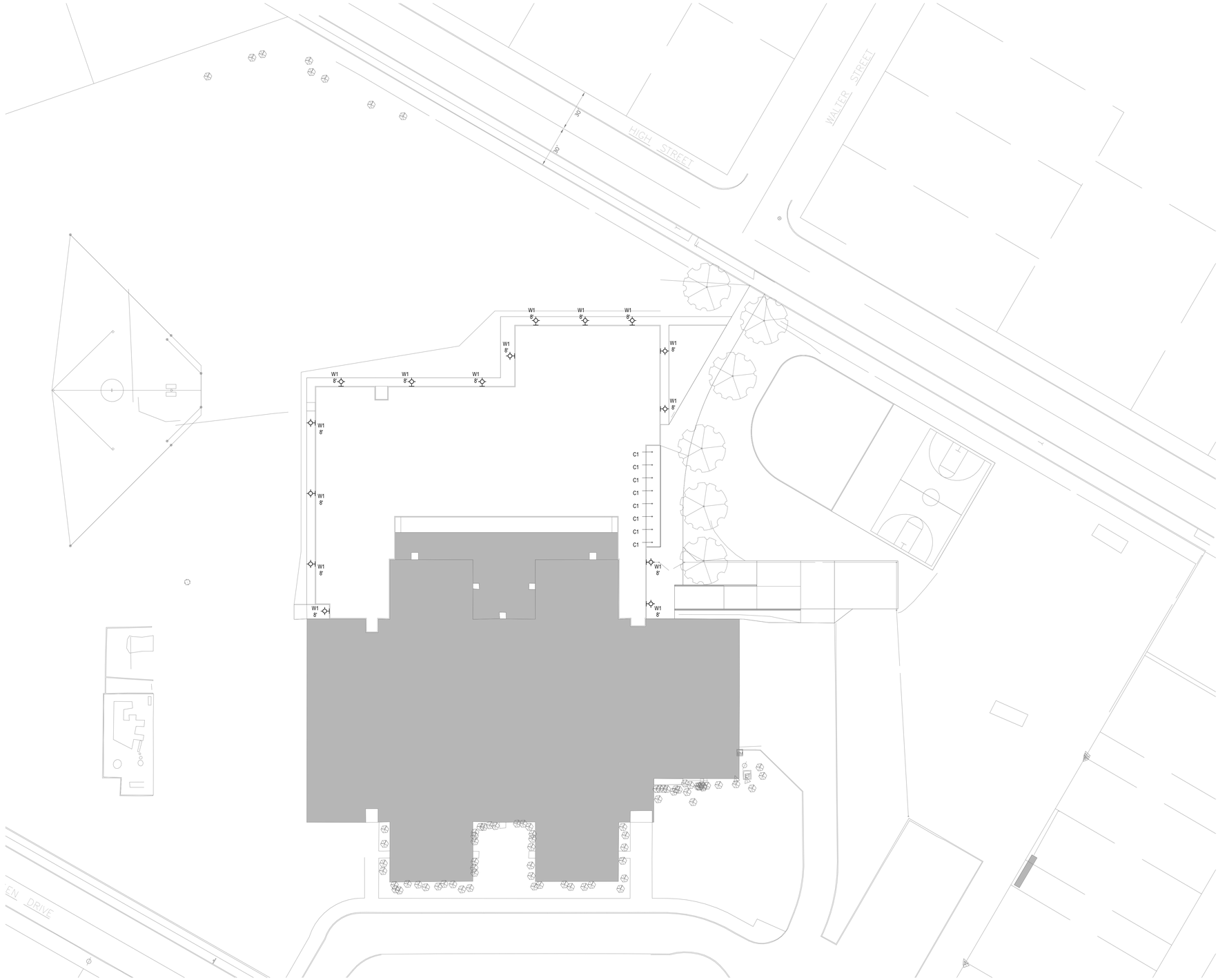
EXTERIOR AXONOMETRIC VIEWS

A211

SITE PLAN NOTES

A. COORDINATE LOCATIONS OF ALL UNDERGROUND CONDUIT FROM OWNER.

B. **<EACH LIGHT POLE SHALL INCLUDE THE HUBBELL WISCAPE IN-FIXTURE MODULE AS FOLLOWS: HUBBELL: WIR-RMS 277>**



N

1 ELECTRICAL SITE PLAN

1" = 30'-0" | E002

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PROJECT INFORMATION

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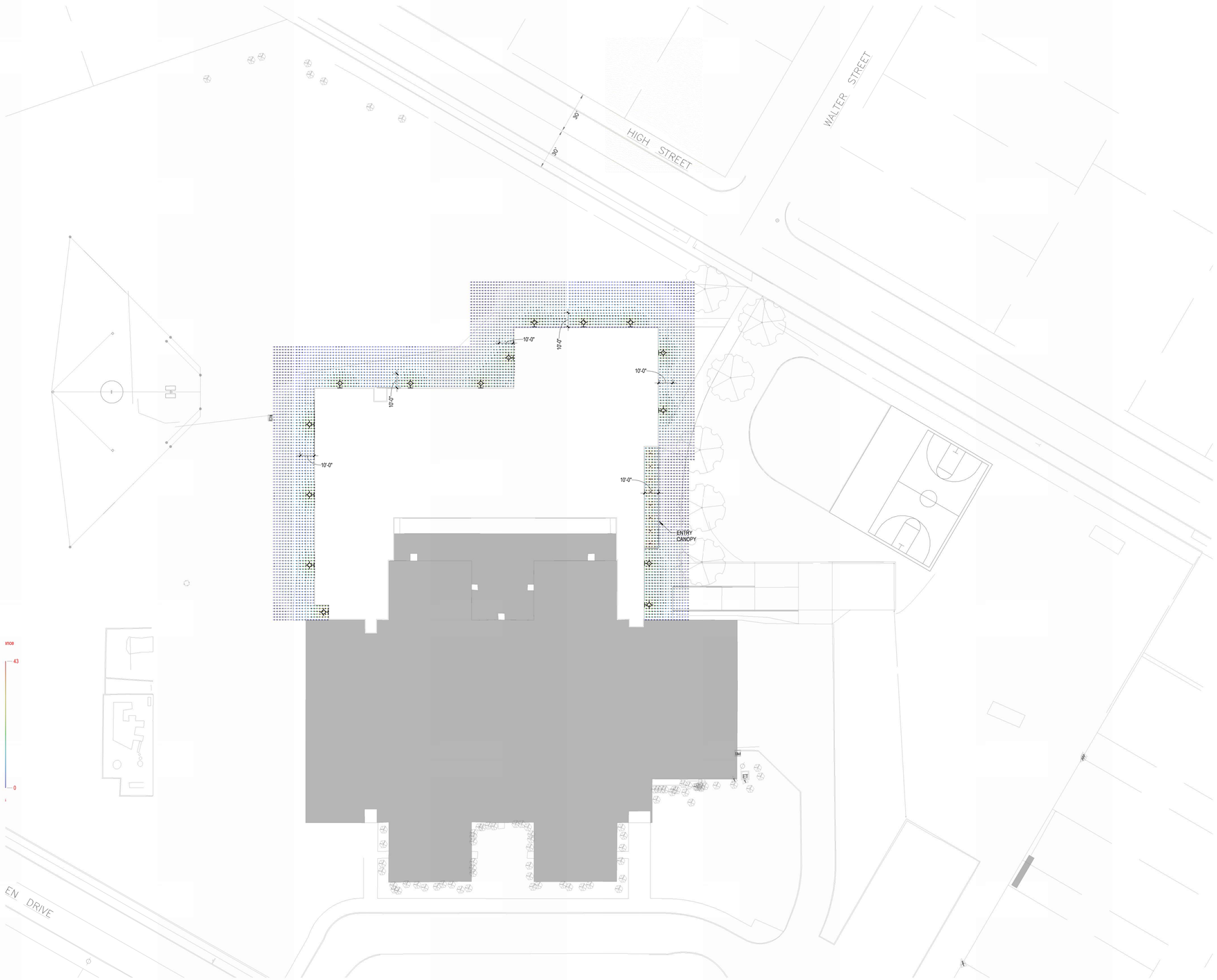
PROJECT MANAGER	PM
PROJECT NUMBER	323425-01

ELECTRICAL SITE PLAN

E002



N

1 ELECTRICAL SITE PHOTOMETRIC PLAN

1" = 30'-0" | E003

ElumTools General Use Global Illuminance Results			
Calculation Points Name	Average	Maximum	Minimum
Addition Exterior Extended	6 fc	43 fc	0 fc

SITE LIGHTING FIXTURE SCHEDULE

TYPE	MOUNTING	DESCRIPTION	VOLTAGE	LAMP	WATTAGE	MANUFACTURER	CATALOG NUMBER	NOTES	Count
C1	RECESSED	LED RECESSED CAN CANOPY LIGHT	MVOLT	LED	20.5	GOTHAM	IVOE D 20LM 30K 80CRI 60D P AR LSS		8
W1	SURFACE	LED WALL PACK	MVOLT	LED	71.0	ACUITY	WDGE3 LED P3 70CRI R4 30K		15

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PROJECT MANAGER PM

PROJECT NUMBER 323425-01

ELECTRICAL SITE PHOTOMETRICS PLAN

E003

Erosion Control/Storm Water Management Maintenance/Operation Plan

For:

Kaukauna Area School District
Victor Haen Elementary
Building Addition & Site Improvements

PREPARED BY:

Point of Beginning

4941 KIRSCHLING COURT
STEVENS POINT, WI 54481
(715) 344-9999 ■ (715) 344-9922

Located in:

City of Kaukauna,
Outagamie County, Wisconsin

Dated:
May 1, 2025

TABLE OF CONTENTS

Storm Water Management Plan
Kaukauna Area School District
Kaukauna, Wisconsin

EROSION CONTROL/ STORM WATER MANAGEMENT/MAINTENANCE/OPERATION PLAN
for
Kaukauna Area School District
Kaukauna, WI

1.0 BACKGROUND & GENERAL INFORMATION

1.1 Introduction and Project Location

Point of Beginning, Inc. has been retained to perform storm water management calculations and prepare a storm water management plan per NR216.47 and NR151, for the proposed site improvements at Victor Haen Elementary School in Kaukauna, WI. The project is located in a Part of Lot 3 of Block 51 of the Assessor's Plat of the City of Kaukauna, located in Part of Private Claim 1, Section 14, Township 21 North, Range 18 East, City of Kaukauna, Outagamie County, Wisconsin.

1.2 Project Description

The proposed project consists of constructing a building addition, a new poured-in-place playground, and various site improvements. Storm sewer will be installed for storm water capture and rate control. (see Layout Plan in **Appendix A**).

1.3 Project Requirements

The project area includes approximately 3.77 acres. Since the project exceeds one acre, a Wisconsin Department of Natural Resources Notice of Intent application/permit (NOI-WPDES per WDNR) will be applied for.

The storm water management plan for this project is developed in accordance with municipal standards and the NOI-WPDES requirements and NR216.47/NR151.121 for redevelopment sites.

1.4 General Project Data

Soils

Based on the geo-technical data collected in 2021, the site is situated primarily on fill material. The geotechnical data containing soil hydrologic classes are attached in **Appendix B**.

Groundwater

Per the geotechnical report, ground water was encountered from 7.5’ – 19’. It is not expected to impact construction.

Wetlands

The DNR’s Surface Water Viewer online tool shows no possible wetland areas across the residential lots to the north. All site improvements have been kept a minimum of 75’ from the potential wetland area, per the Surface Water Viewer.

Precipitation

The following precipitation rates from the NOAA Atlas 14 Point Precipitation Frequency Estimates: WI, have been utilized for storm water calculations:

$P_{2,24}$ = 2.45”
$P_{10,24}$ = 3.51”
$P_{100,24}$ = 5.50”

2.0 EXISTING DRAINAGE CONDITIONS

2.1 Existing Drainage Area

The existing drainage area includes sub-basin E1-E2, which includes the greater project area at large as well as a slim area along the south property line where a sidewalk is proposed. Runoff from E1 & E2 drains over the surface to on-site storm inlets connected to the City’s storm sewer system. An existing drainage map can be found in **Appendix C.**

2.2 Existing Drainage Calculation Summary

Existing drainage calculations utilize TR-55 methodology and results for a 2, 10, and 100-year design storm are included. Where composite Times of Concentration are less than 0.1 hours (6.0 minutes), the TR-55 recommended minimum Time of Concentration of 0.1 hours (6.0 minutes) was used. Existing drainage calculations are provided in **Appendix C.**

2.3 Existing Off-Site Drainage

Existing surrounding storm water runoff draining directly onto the project area is negligible.

3.0 PROPOSED DRAINAGE CONDITIONS

3.1 Proposed Drainage Areas

The proposed drainage areas within the project limits are represented by sub-basin D1-D3. Sub-basin D1 consists of the areas of the site which lie north and south of the proposed building addition. Sub-basin D2 consists of the slim area along the south property line, as in sub-basin E2. Runoff from D1 & D2 drains over the surface to on-site storm inlets connected to the City’s storm sewer system. Sub-basin D3 consists of the building addition and the area on the northeast side of the addition. Runoff from D3 is comprised largely of the drainage from the building addition’s interior storm sewer system. Runoff from D3 drains to the depressed area adjacent to the northeast side of the building (Pond 1P). This is a dry depression area intended for rate control during larger storm events. Pond 1P drains via storm sewer to the City’s storm sewer system. A proposed drainage area map is provided in **Appendix D.**

3.2 Post-Development Runoff Summary

Proposed drainage calculations utilize TR-55 methodology and results for a 2, 10, and 100-year design storm have been attached. Where composite Times of Concentration are less than 0.1 hours (6.0 minutes), the TR-55 recommended minimum Time of Concentration of 0.1 hours (6.0 minutes) was used. A proposed drainage area map and calculations are provided in **Appendix D.**

3.3 Proposed Detention Areas

The depression area created on the northeast side of the building addition provides rate control and is modeled as Pond 1P. 1P is a dry basin with a 6” outlet pipe at an elevation of 710.50’. The top of the depression area is at an elevation of 713.00’. During the 100-year rainfall event, HydroCAD calculations indicate that the high water level reaches an elevation of 712.21’, therefore no emergency overflow occurs.

See Section **4.3 Peak Discharge** for runoff rates. See **Appendix D** for runoff calculations.

4.0 POST-DEVELOPMENT PERFORMANCE STANDARDS

4.1 Total Suspended Solids

With no parking or roadway areas included in the project, TSS removal is not required.

4.2 Infiltration

According to NR151.124(3)(b)(3), redevelopment post-construction sites are exempt from the infiltration requirements of NR151.

4.3 Peak Discharge

BMPs shall be employed to maintain or reduce the peak runoff discharge rates, to the maximum extent practicable, as compared to pre-development conditions.

The pre-development and post-development peak rates of discharge and volumes of discharge leaving the site runoff rates are summarized below. See **Appendix D** for HydroCAD modeling routing diagrams, summaries, and node listings.

	Pre-Development Site Drainage (1L)	Post-Development Site Drainage (1L)
2-year 24-hour Peak Flow	4.81 cfs	3.79 cfs
10-year 24-hour Peak Flow	8.64 cfs	6.31 cfs
100-year 24-hour Peak Flow	16.51 cfs	11.36 cfs

Summary

The modeling of the site drainage demonstrates that discharge rates are reduced. As such, the requirements set by the Department of Natural Resources for total peak discharge, and infiltration are met by the proposed design.

The Storm Water Erosion Control Plan and the Storm Water Management Plan show that BMP engineering practices in hydrology planning and design have been considered and the resulting development will function as a positive addition to the community while sustaining environmental benefits in storm water management and quality.

5.0 CONSTRUCTION SITE PERFORMANCE STANDARDS

5.1 Erosion Control

The purpose of this control plan is to provide guidelines that comply with the state and local requirements, as well as to make recommendations regarding erosion control and storm water management. The construction of this development is a critical phase in terms of storm water management and runoff control. Construction site erosion control will help minimize the impact of development, enhance and protect local environment, and protect the surrounding project area by applying best management practices for erosion control at construction sites. This work shall be planned and executed in accordance with the Wisconsin Department of Natural Resources Storm Water Management Technical Standards and/or accepted local engineering practice. The owner/developer will be responsible for erosion control during the process of construction. Silt fence, site vegetation, and erosion mat will be utilized to keep sediment from leaving the construction site. **See Appendix E.**

5.2 Construction Site Erosion Control Measures

The following erosion control devices may be used on the project site at any time during the construction phases to ensure compliance with NR 216 and local erosion control requirements, as applicable.

a) Inlet Protection (WDNR 1060)

Inlet protection is a temporary barrier applied around storm drains. It is designed to prevent sediment from entering the storm sewer system. All fabrics used for inlet protection devices must be selected from the list of approved fabrics certified for inlet protection, Geotextile Fabric, Type FF in the current edition of the Wisconsin Department of Transportation Product Acceptability List (PAL).

b) Non-channel Erosion Mat (WDNR 1052)

The purpose of this practice is to protect the soil surface from the erosive effect of rainfall and prevent sheet erosion during the establishment of grass or other vegetation, and to reduce soil moisture loss due to evaporation. This practice applies to both Erosion Control Re-vegetative Mats (ECRM) and Turf-Reinforcement Mats (TRM).

1. CLASS I: A short-term duration (minimum of 6 months), light duty, organic mat with photodegradable plastic or biodegradable netting.

a. Type A – Use on erodible slopes 2.5:1 or flatter.

b. Type B – Double netted product for use on erodible slopes 2:1 or flatter.

c) Interim Manufactured Perimeter Control and Slope Interruption Products (WDNR 1071)

The purpose of the installation of these products is to reduce uninterrupted slope length to slow the velocity of runoff so as to retain transported sediment from disturbed areas. This practice applies to Log-Type products.

d) Site Vegetation

Existing site vegetation outside of project limits shall be protected and maintained to the maximum extent practicable. Existing site vegetation within the project limits shall remain undisturbed until construction schedule warrants disturbance. For disturbed areas vegetation that resists erosion, maintains slow storm water velocities, and retains sediment from runoff shall be provided by the contractor. Temporary seeding may be required for disturbed areas that are subject to long periods of construction inactivity. Temporary vegetation is used when areas are disturbed and may remain unfinished long enough to allow vegetation to grow and assist with erosion control. Permanent vegetation is encouraged as soon as possible in the construction process.

e) Trackout Protection (WDNR 1057)

Stone tracking pads will be constructed at all entrances to the construction site to minimize sediment tracking onto existing streets. A minimum of one construction entrance is required for the project site. Tracking pads are temporary and will be removed or much of the aggregate will be removed before the site is completed.

f) Waste and Material Disposal

All waste and unused building materials (including garbage, debris, cleaning wastes, or other construction materials) shall be properly disposed of and not allowed to be carried by runoff into a receiving channel or inlet.

5.3 Operation and Maintenance, Short-term

The Owner of this project in Kaukauna, Outagamie County, Wisconsin, is directly responsible for implementation and maintenance of the construction site erosion control measures.

The Contractor shall conduct the following inspections:

- Weekly inspections of implemented erosion and sediment controls.
- Inspections of erosion and sediment controls within 24 hours after precipitation event 0.5 inches or greater which results in runoff during active construction periods.

The Contractor shall maintain weekly written reports of all inspections that include:

- The date, time, and exact place of the inspection.
- The name of the individual who performed the inspection.
- An assessment of the condition of erosion and sediment controls.
- A description of any erosion and sediment control implementation and maintenance performed.
- A description of the present phase of construction at the site.

Repairs shall be made immediately, as required, to maintain effectiveness, until permanent vegetation is established. All repairs to erosion control devices shall be documented. The attached Wisconsin Department of Natural Resources Construction Site Inspection Report (Form 3400-187) may be used for recording purposes. A copy of Form 3400-187 can be found in **Appendix F**.

5.4 Operation and Maintenance, Long-term

The Owner of this project in Kaukauna, Outagamie County, Wisconsin, is directly responsible for the operation, inspection, and maintenance of all storm water facilities located within the site, as described below.

- Area Storm Sewer:
  Inspection: Accumulation of sediment and/or debris within storm sewer pipe, and/or outfall. Look for damage to pipe and outfall.
  Maintenance: Remove accumulated sediment and/or debris within the pipe and/or within or near inlets. Repair damaged to pipe and/or inlets. If the damage is un-repairable then the pipe and/or inlet shall be replaced.

The aforementioned inspection and maintenance schedule shall be performed after any rainfall event exceeding one inch of rainfall, and at a minimum semi-annually in early spring and fall. All inspections and maintenance shall be documented, and the OWNER shall keep all inspection and maintenance reporting/records onsite and available upon request of the City and/or Wisconsin Department of Natural Resources.

6.0 SUMMARY

6.1 General

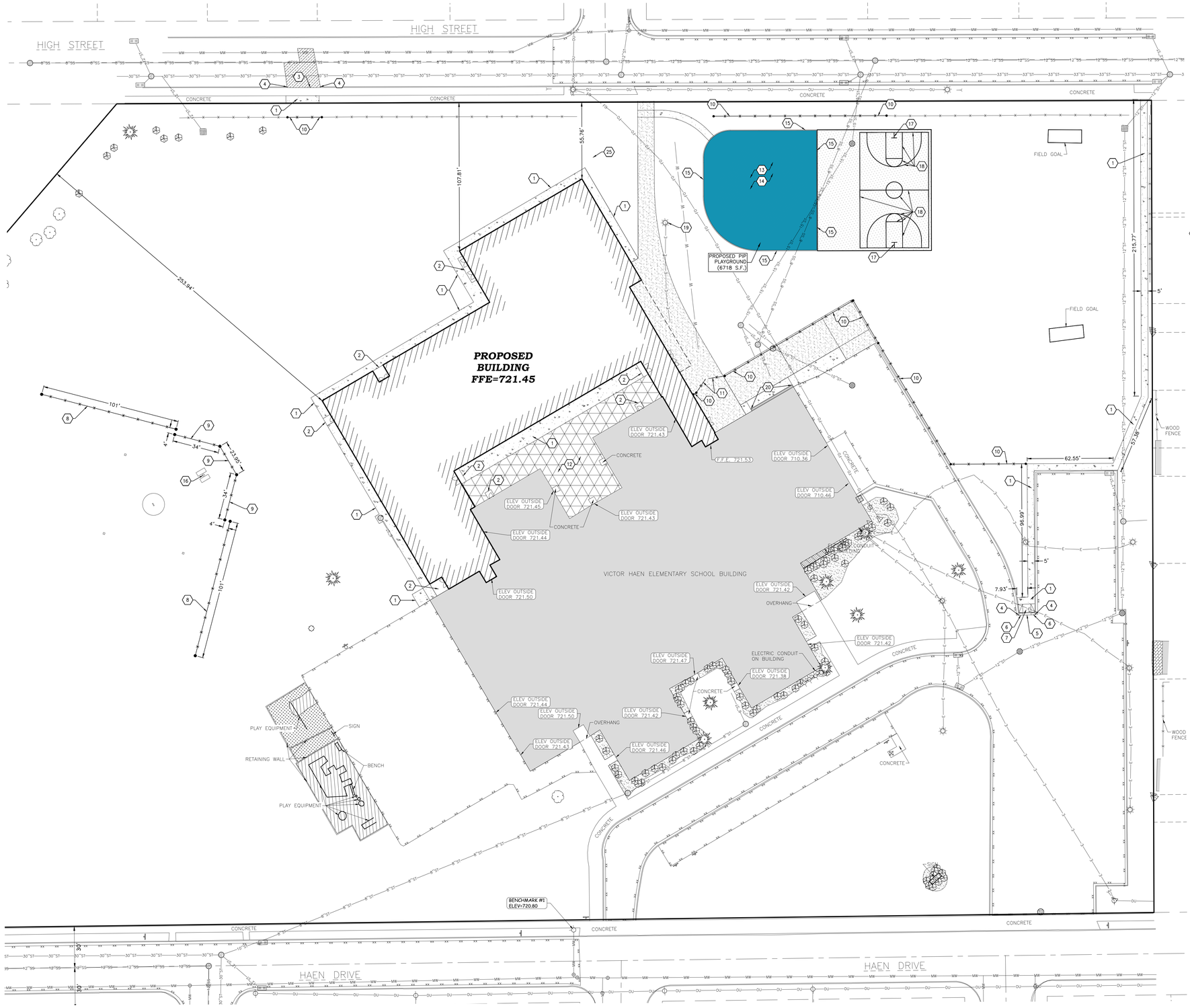
The proposed development as outlined above meets all Wisconsin Department of Natural Resources storm water regulations pertaining to redevelopment.

For the temporary construction site scenario, sediment transport from this site to adjacent properties will be reduced by the erosion control devices and conservation practice standards.

This plan meets state storm water BMPs and provides an environmentally sound and practical solution for the future storm water runoff generated from the development of this site.

APPENDIX A

Proposed Layout Plan



GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. SEE SHEET C400 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
7. BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
8. PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
9. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
10. PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
11. SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED OR AS APPROVED BY THE CONSTRUCTION MANAGER.
12. ALL NEW CONCRETE PAVEMENT AND CURB ON ADJACENT STREET SHALL BE TIED IN WITH #5 DOWEL BAR, MIN. 24" LONG, AT 18" O/C.
13. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

KEYNOTES:

XX

1. CONCRETE SIDEWALK — 2 / C600
2. CONCRETE STOOP (SEE ARCHITECTURAL PLANS)
3. 30" CONCRETE CURB & GUTTER — 4 / C600
4. DOWEL CURBING TO EXISTING WITH 2–#5 AT 18" O/C. EMBEDDED 6" TYP.
5. 24" DEPRESSED CURB — 4 / C600
6. CURB TAPER/TRANSITION AREA — 5 / C600
7. HANDICAP RAMP — 6 / C600
8. 4' CHAIN LINK FENCE (INCL. FENCEGUARD MOW STRIP IN GRASS AREAS) — 7 / C600
9. 20' CHAIN LINK BACKSTOP — 8 / C600
10. 6' CHAIN LINK FENCE (INCL. FENCEGUARD MOWSTRIP IN GRASS AREAS) — 7 / C600
11. 6'x24' CHAIN LINK DOUBLE GATE — 9 / C600
12. SYNTHETIC TURF IN COURTYARD AREA — 10 / C600
13. 4" OF PLAYGROUND FILL MATERIAL W/ POURED-IN-PLACE PLAYGROUND SURFACE BY PLAYGROUND VENDOR. SEPARATION FABRIC & UNDERDRAIN BY GENERAL CONTRACTOR. (GC TO EXCAVATE TO PROPOSED SUBGRADE DEPTHS) — 1 / C601
14. PLAYGROUND EQUIPMENT BY PLAYGROUND VENDOR (AS APPROVED BY OWNER)
15. 6"x12" CONCRETE CURB AROUND PLAYGROUND — 1 / C601
16. HOME PLATE (BASE PADS & PITCHING RUBBER BY OWNER) — 2 / C601
17. BASKETBALL GOAL (KEEPER GOALS MODEL: CONTENDERINAC OR APPROVED EQUAL)
18. 2" BASKETBALL LAYOUT STRIPING
19. RAISE OR REPLACE EXISTING LIGHT POLE BASE
20. ACO K200 SERIES TRENCH DRAIN — 3 / C601

PAVEMENT HATCH PATTERNS:

- PROPOSED STANDARD ASPHALT PAVEMENT — 1 / C600
- REPAIR & REPLACE PAVEMENT/CURB (IN KIND) FOLLOWING UTILITY INSTALLATION (SEE UTILITY PLAN)
- PROPOSED STANDARD CONCRETE PAVEMENT — 2 / C600
- PROPOSED REINFORCED CONCRETE PAVEMENT — 3 / C600
- SYNTHETIC TURF IN COURTYARD AREA — 10 / C600
- POURED–IN–PLACE PLAYGROUND SURFACE — 1 / C601

0' 30' 60'
1" = 30'

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

LAYOUT PLAN
KEYNOTES

KASD - VICTOR HAEN ELEMENTARY
SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

SHEET C200

APPENDIX B

Geotechnical Data

2135 South 116th Street
West Allis, WI 53227

April 11, 2025

Neil Henriksen
Point of Beginning, Inc.
4941 Kirschling Court
Stevens Point, WI 54481

Subject: Geotechnical Consulting Services - *revised*
Victor Haen Elementary School Addition
1130 Haen Drive, Kaukauna, Wisconsin

Dear Mr. Henriksen:

GeoTest, Inc. (GeoTest) has prepared this geotechnical engineering report related to the above-referenced project. This report describes the subsurface exploration and laboratory testing programs and presents recommendations regarding civil and structural engineering design aspects of the project, as well as other construction considerations.

Project Description

Point of Beginning is assisting with the design of an addition to the existing school building located at 1130 Haen Drive in Kaukauna, Wisconsin. The location of the property is illustrated on Figure 1 in Appendix A.

The existing building is a single-story structure with a finished floor elevation of about 722 feet. A portion of the building has a lower-level floor elevation of about 716 feet due to a topographic change. The addition will consist of a single-story, slab-on-grade structure, that will have an assumed finished floor elevation of 722 feet. The development plan is illustrated on Figure 2 in Appendix A.

Structural loads are not expected to exceed 400 kips for columns and 6 kips per linear foot (klf) for walls. The floor slab will be subjected to a maximum load of 100 pounds per square foot (psf). To achieve the finished floor elevations for the addition, maximum fills of about 5 feet are anticipated.

The area of the proposed addition is currently grass and pavements. The ground surface slopes downward from the south to the north with an elevation of about 5 feet.

Scope of Work

Geotechnical Subsurface Exploration

The geotechnical exploration program consisted of twelve borings (B-1 through B-12) drilled to depths of 25 feet below the existing ground surface. The boring locations are identified on Figure 2 in Appendix A. The ground surface elevations at the boring locations were provided by Point of Beginning.

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The borings were drilled using conventional hollow-stem augers. Soil samples were obtained at 2.5-foot intervals to a depth of 10 feet and 5-foot intervals thereafter. The soil samples were obtained by split-barrel sampling procedures, in general accordance with ASTM D1586. Representative portions of the samples were sealed in glass jars and returned to Point of Beginning for laboratory testing and classification.

Descriptive logs for each boring, which describe the methods of advancement, sample types, sample depths, and observations regarding soil and groundwater conditions, were prepared at the time of the field work. These logs were utilized by Point of Beginning as an aid to prepare the final logs included in Appendix B.

Water level information, if encountered, was noted during drilling. All drilling and sampling procedures are described in Appendix C.

Laboratory Testing

Point of Beginning examined and visually classified each sample, based on texture and plasticity, in accordance with the Unified Soil Classification System (USCS). Like soils were grouped into strata that are described on the soil logs. The notes included on the logs and chart describing this system of classification is included in Appendix B.

The laboratory testing program consisted of the following:

- Water content testing on all samples.
- Calibrated hand penetrometer (Q_p) testing on all fine grained (clay and silt).
- Atterberg Limits testing on two samples.

The laboratory test results are presented on the final logs or reports included in Appendix B. All laboratory procedures are described in Appendix C.

Soil and Groundwater Conditions

The following narrative is a generalization of the subsurface conditions encountered at the borings. Soil conditions can vary in areas between the sampling locations. For a more-detailed description of the subsurface conditions encountered at each boring location, please refer to the attached logs in Appendix B.

General Soil Conditions - The general soil profile at the boring locations, below asphalt pavement, concrete, or topsoil, consisted of clay and sand fill materials to depths of about 1.5 to 7 feet at six borings and stratified layers of native clay, silt, and sand. Organic peat was encountered at one boring (B-2) to a depth of about 3.5 feet.

The fills were likely related to past grading activities at the site when the school was constructed. The native soil layers varied in their coarse sand, silt and gravel content.

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Fill Materials – One clay fill sample exhibited stiff consistency, with a Q_p value of 3,500 pounds per square foot (psf). Three additional clay fill samples were disturbed and could not be tested.

The relative density of three sand fill samples was loose to medium dense, with N-values of 3, 9, and 10. These values equate to strengths that range from about 1,000 psf to 2,500 psf.

Typically, moisture contents are considered high if they are above 20% in fine-grained soils and 15% in coarse-grained (sand and gravel) soils. The moisture content in the four clay fill samples ranged from 18.5% to 21.4%. Three samples (75%) exceeded 20%. The moisture content in the three sand fill samples ranged from 12.9% to 17.1%. Two samples (67%) exceeded 15%.

Native Fine-Grained Soils – Forty-two native clay and silt samples exhibited stiff to hard consistencies, with Q_p values ranging from 2,000 psf to greater than 9,000 psf. Using 9,000 psf as the maximum value, the average was 4,321 psf. Twenty-two samples (52%) were less than 4,000 psf (stiff) and four samples (10%) exceeded 8,000 psf (hard). Sixteen additional samples were disturbed and could not be tested.

The moisture content in fifty-eight native clay samples ranged from 12.2% to 35.2%. Twenty-eight samples (48%) exceeded 20%.

Native Coarse-Grained Soils – The relative density of sixteen native sand samples was medium dense, with N-values that ranged from 13 to 27. The average was 17. These values equate to strengths that range from about 3,000 psf to 6,000 psf.

The moisture content in the native sand samples ranged from 13.7% to 25.8%. Fourteen samples (88%) exceeded 15%.

Groundwater Conditions

Free groundwater and perched water (wet and saturated soils) was encountered at all borings during drilling. Based on the moisture contents and visual classifications of the samples, water existed at depths that ranges from 1 to 8 feet (elevations of 710 to 718 feet).

Fluctuations in the groundwater table elevation should be expected with variations in precipitation, evapotranspiration, surface runoff, etc. Also, shallow perched groundwater conditions should be expected where relatively permeable granular soils are underlain by relatively impermeable cohesive soils, especially following precipitation events.

Analysis and Recommendations

There are eight primary issues that should be considered when planning this project.

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- Undocumented (absence of quality control testing) fill soils exist on the property. Typically, fills are a concern for structural support because they could have been placed inconsistently and not sufficiently compacted, potentially causing excessive total and/or differential settlements for foundations. The field data indicates the fills are variable in their strength characteristics, and therefore, not considered suitable for support of structural elements.
- The bearing soils at the assumed footing elevations will be variable, including native clay and sand that exhibited variable strengths, undocumented fills, and engineered fills. Variable-strength bearing soils can cause differential settlements.
- Clean sandy (small quantities of fines) soils were encountered that will pose excavating challenges, especially related to trench stability.
- Clay soils were present on the property, which are sensitive to construction activity, and actions to stabilize the subgrade during construction should be planned.
- Organic peat was encountered at one boring location (B-2). These soils, which could also exist in other areas, are not suitable for the support of structures or engineered fill. They should be removed where needed.
- Shallow soils (less than 5 feet) with high moisture content were present at all boring locations, which will cause significant grading and excavating challenges, and actions to stabilize the soils during construction should be planned.
- Shallow perched water and groundwater exists that should require dewatering planning.
- Care must be taken to ensure the integrity of the existing foundations are maintained.

Foundation Support

Foundation design includes evaluating for both bearing capacity and settlement; one or the other controls the design. Conventional foundation systems are typically designed using an allowable bearing capacity based on maximum total and differential settlements of 1 inch and ¾ inch, respectively. The addition can be supported by conventional spread footings. However, due to the presence of undocumented fills and organic soils, some soil improvement is expected.

The estimated footing pad elevations are 718 for exterior footings and 720 for interior footings. The following table identifies the depths/elevations where suitable soils are anticipated.

Boring No.	Surface Elevation (ft)	*Suitable Soil Depth (ft)	*Suitable Soil Elevation (ft)
B-1	720.77	0.5	720
B-2	714.33	3.5	711
B-3	715.68	3.5	712
B-4	717.41	0.5	717
B-5	716.05	3.5	712.5
B-6	717.05	1.0	716

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Boring No.	Surface Elevation (ft)	*Suitable Soil Depth (ft)	*Suitable Soil Elevation (ft)
B-7	718.26	1.0	717
B-8	721.37	1.5	720
B-9	720.17	7.0	713
B-10	720.16	3.5	716.5
B-11	717.84	0.5	717.5
B-12	717.99	4.0	714

*Rounded to the nearest ½-foot.

Given the shallow depths of the unsuitable materials, over-excavation is considered the most-viable method. The bearing soils will consist of variable strength soils (1,000 psf to greater than 9,000 psf) or engineered fills placed to raise the existing grades or replace unsuitable soils. Because the bearing soils will vary, it is recommended that a conservative allowable bearing capacity be used by the structural engineer to design the footings to minimize differential settlements.

The foundation should be designed using an allowable bearing capacity value of 3,000 psf, with the understanding that some soil improvement will still be required. If a higher bearing capacity value is desired, additional soil improvement (e.g., over-excavation) under portions of the building would be required.

Traditionally, perimeter footings and interior footings in unheated areas should bear at a depth of at least 48 inches below the final exterior grade to provide adequate frost protection. If desired, exterior footings can bear at shallower depths by following ASCE 32-01 (American Society of Civil Engineers, Design and Construction of Frost-Protected Shallow Foundations, 2001). Interior footings not subject to frost can bear directly beneath the floor slab.

Seismic Design

The soil conditions present at a site are utilized in determining the Seismic Design Category (SDC) for structures. Part of selecting the SDC is determining the Site Class for the soils, which categorizes common soil conditions into broad classes, where typical ground motion attenuation and amplification effects are assigned. Site Class is determined based on the average properties of the soil within 100 feet of the ground surface. Geotechnical engineers use a variety of parameters to characterize the engineering properties of these soils, including general soil classifications (e.g., hard rock, soft clay, etc.), N-values, and laboratory testing.

Site Class A includes hard rock that is typically found only in the eastern United States. The types of rock typically found in the western states include various volcanic deposits, sandstones, shales, and granites that commonly have the characteristic appropriate to either Site Class B or C. Sites with very dense sands and gravels or very stiff to hard clay deposits also may qualify as Site Class C. Sites with relatively stiff cohesive or medium

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dense non-cohesive soils, including mixtures of clays, silts, and sands, are categorized as Site Class D. Site Class D is the most common site class throughout the United States. Sites along rivers or other waterways underlain by deep soft clay deposits are categorized as Site Class E. Sites where soils are subject to liquefaction or other ground instabilities are categorized as Site Class F and site-specific analyses are required.

Based on the types of soils present at the boring locations at this property, and their apparent engineering properties, Site Class D is assigned to the site, as defined in the International Building Code (2015) Section 1613.

Floor Slab Support

Most of the existing soils (except for the organic soils) are suitable for support of concrete floor slabs. However, due to the presence of variable soils, floor slab area should be proof-rolled and soft areas removed or improved prior to the placement of base course materials. An average subgrade modulus value of 125 pounds per cubic inch (pci) is appropriate.

Engineered Fill, Wall, and Utility Trench Backfill

All engineered fill, wall, and utility trench backfill should consist of inorganic materials, free of debris, not exceed 3 inches in size, and should be placed in 8 to 10-inch loose lifts compacted to a minimum of 95 percent of the maximum dry density (Modified Proctor). The fill should be moisture conditioned to be within 3± percent of the optimum moisture content.

The on-site soils can be reused as engineered fill, assuming they do not include deleterious materials (organic soils, wet soils, etc.). However, due to the moisture sensitive nature of clay and silt soils, their use could pose construction challenges regarding achieving the required compaction requirements. The grading contractor may choose to use coarse-grained soil that can be more easily compacted and would be less sensitive to moisture levels.

Construction Considerations

All loose, wet, organic, disturbed, or otherwise unsuitable surface soils should be stripped from structural and engineered fill areas prior to any construction activities. The exposed subgrade soils and all engineered fills should be observed, tested, and documented by a representative of the geotechnical engineer. Large structural areas, such as the building footprint, pavement, and engineered fill zones, should be proof-rolled to identify low-strength or disturbed areas that need to be removed or improved.

Footing excavations and all structural subgrade soils should be evaluated to confirm the bearing materials are consistent with those identified in this report and anticipated by the structural engineer. If unanticipated conditions are encountered, the geotechnical and structural engineers should be notified immediately. All footing pads must bear upon suitable native soils or engineered fill soils that have been confirmed in the field by a

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representative of the geotechnical engineer. Where unsuitable bearing soils, such as fill, organic, disturbed, wet, frozen, or low-strength (less than the design bearing capacity) soils are encountered, the excavation should be extended to competent bearing soil. If extended, the footing pads can be constructed at the base of the excavations, or the excavations can be backfilled with clean, crushed stone or lean concrete.

Most soils on-site will be sensitive to disturbances from construction activity due to their clay and silt content and high moisture content. Construction activities can cause significant reductions in soil strength and support capabilities. In addition, moisture sensitive soils that are or become wet will likely impact grading and compaction schedules. Care should be taken during construction to protect these soils from moisture or disturbance from equipment. Placing a working subbase layer of 3-inch crushed stone or utilizing a cement stabilization program in areas subjected to construction traffic could be beneficial and reduce the need to strip disturbed soils.

The structural design should also consider the proximity of new footings in relation to existing footing. Imparting new loads to existing footings could induce additional settlement and new footing excavations could affect the structural integrity of existing footings.

It is likely that excavations will encounter shallow groundwater or perched water. Filtered sump pumps and drawing water from sump pits should be adequate to remove water that collects in excavations. Sump pits should be lined with a geotextile and filled with open-graded, free- draining aggregate.

Surface water should not be allowed to collect in excavations or on prepared subgrades during or after construction. Areas should be sloped to facilitate removal of collected surface runoff. Positive site drainage should be provided to reduce infiltration of surface water around the perimeter of structures and within pavement areas.

Excavation walls may need to be sloped or braced for stability and safety reasons. The Owner and Contractor should be aware of, and become familiar with, applicable local, state, and federal safety regulations, including current OSHA Excavation and Trench Safety Standards. Construction-site safety generally is the responsibility of the Contractor, who should also be responsible for the means, methods, and sequencing of construction operations.

The Contractor should be aware that slope height, slope inclination, or excavation depths should in no case exceed those specified in local, state, or federal safety regulations, (e.g., OSHA Health and Safety Standards for Excavations, 29 CFR Part 1926), or successor regulations. The shallow soils encountered in the borings are Type A, B, and C when applying the OSHA regulations. Such regulations are strictly enforced, and if they are not followed, the Owner, Contractor, and/or earthwork Subcontractor(s) could be liable for substantial penalties.

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West Allis, WI 53227

General Qualifications

The services provided by GeoTest were performed with the degree of skill and care typically performed by other members of the geotechnical engineering profession, practicing in this locale, at this time. No other warranty, expressed or implied, is given.

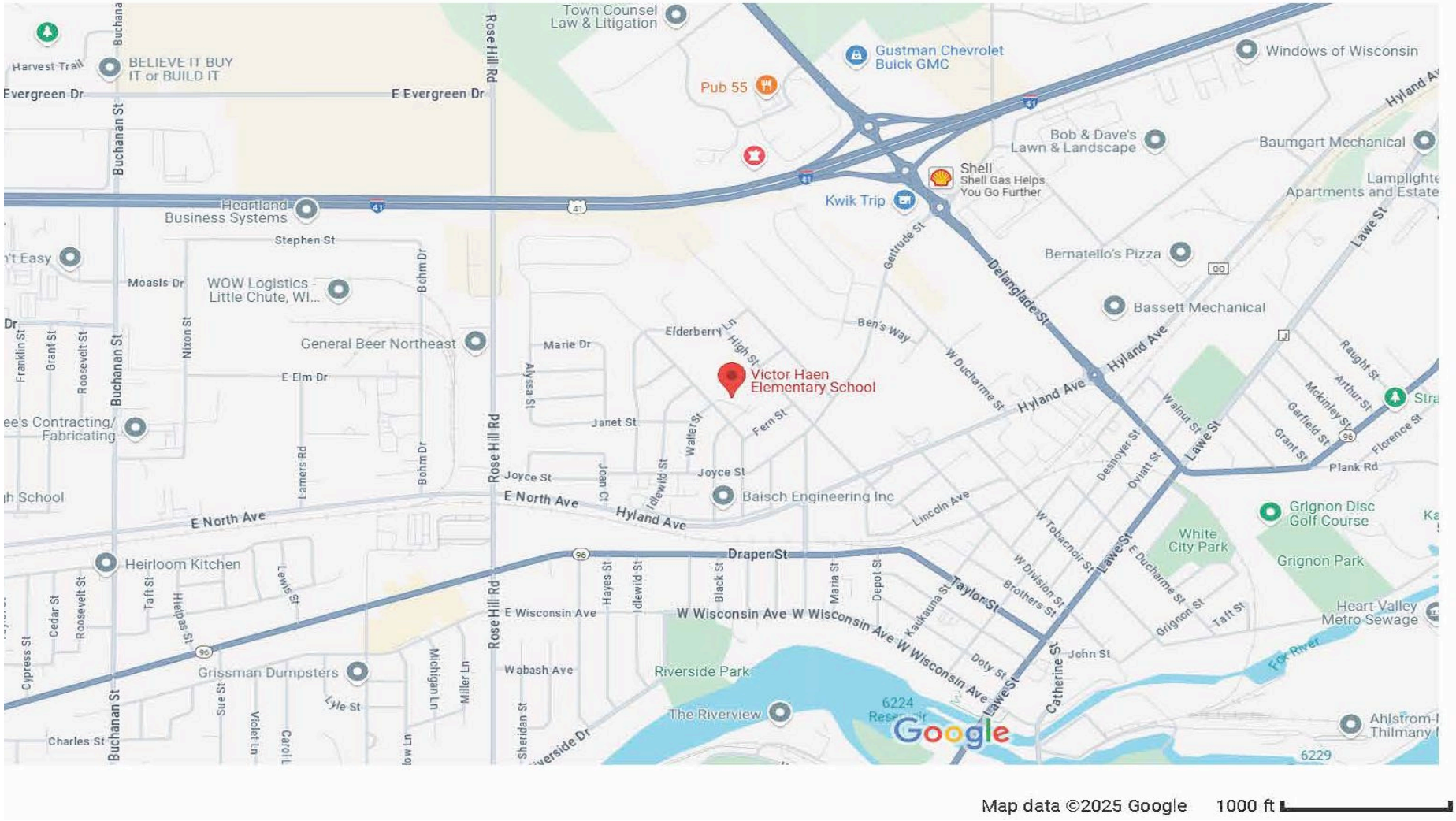
We appreciate the opportunity to provide geotechnical engineering services. If you have any questions, or require any further assistance, please feel free to contact us.

Sincerely,

Michael D. Frede, P.E.
Technical Director/Senior Engineer

Appendix A

- Figure 1 – Project Location Diagram
- Figure 2 – Boring Location Diagram



GeoTest	**Project Name:** Victor Haen Elementary School **Project Location:** 1130 Haen Drive Kaukauna, Wisconsin Outagamie County	**Project No.:** 8556 **Date:** 4/3/25 **Drawn By:** MDF **Scale:** NTS	**FIGURE 1** **Project Location Diagram**

Project Name:	Victor Haen Elementary School	**Project No.:**	8556
Project Location:	1130 Haen Drive Kaukauna, Wisconsin Outagamie County	**Date:** **Drawn By:** **Scale:**	4/3/25 MDF NTS

FIGURE 2
Boring Location Diagram

Appendix B

- General Notes
- Boring Logs
  - B-1 through B-12
- Unified Soil Classification System (USCS)
- Atterberg Limits Test Reports
  - B-3:23.5-25’
  - B-12:3.5-5’

General Notes

Drilling and Sampling Abbreviations:

AD	Solid-Stem Auger	**OS**	Osterberg Sampler, 3-inch-O.D. Shelby Tube
AS	Auger Sample	**PMT**	Pressuremeter Test (In Situ)
BS	Bulk Sample	**RD**	Rotary Drilling
DD	Diamond Core Drilling	**SS**	Split-Spoon Sampler, 1.375-inch-I.D., 2-inch-O.D. (Unless otherwise noted)
FT	Fish Tail		
GP	Geoprobe	**ST**	Shelby Tube Sampler, 2-inch-O.D. (Unless otherwise noted)
GS	Giddings Sampler	**VS**	Vane Shear
HA	Hand-Auger Drilling	**WOH**	Weight of Hammer
HS	Hollow-Stem Auger	**WS**	Wash Sample

Standard Penetration ("N"): Blows per foot of a 140-pound hammer falling 30 inches on a 2-inch-O.D. split-spoon sampler, except where otherwise noted.

Water Level Measurement Abbreviations:

AAR	After Auger Removal	**BCR**	Before Casing Removal	**WS**	While Sampling
AB	After Boring	**DCI**	Dry Cave In		
ACR	After Casing Removal	**WCI**	Wet Cave In		
BAR	Before Auger Removal	**WD**	While Drilling		
BCI	Before Casing Installation	**WL**	Water Level		

Water levels indicated on the boring logs are the levels measured in the boring at the times indicated. In relatively pervious soils, the observed water levels are considered a reliable indicator of groundwater positions. In relatively impervious soils, the accurate determination of groundwater elevations may not be possible, even after several days of observations. In this case, other indicators of groundwater position, such as sealed observation wells or piezometers, may be required.

Gradation Description and Terminology:

Coarse-grained granular soils have more than 50% of their dry weight retained on a #200 sieve (0.074 mm); they include boulders, cobbles, gravel, sand, and combinations thereof. Fine-grained soils have less than 50% of their dry weight retained on a #200 sieve. Fine-grained granular soils are non-cohesive, and include silt; fine-grained cohesive soils include silty clay, and clay.

Major Component of Sample	Size Range	Description of Components Present in Sample	Percent of Dry Weight
Boulders	Over 8" (200 mm)	Trace	<5
Cobbles	8" to 3" (200 to 75 mm)	Few	5 - 10
Gravel	3" to #4 sieve (75 to 4.76 mm)	Little	15 - 25
Sand	#4 to #200 sieve (4.76 to 0.074 mm)	Some	30 - 45
Silt	Passing #200 sieve (0.074 to 0.005 mm)		
Clay	Smaller than 0.005 mm		

Consistency of Cohesive Soils		Relative Density of Granular Soils	
Unconfined Compressive Strength, Qu, tsf	**Consistency**	**N, Blows per 12 inches**	**Relative Density**
<0.25	Very Soft	0 - 3	Very Loose
0.25 - 0.49	Soft	4 - 9	Loose
0.50 - 0.99	Medium Stiff	10 - 29	Medium Dense
1.00 - 1.99	Stiff	30 - 49	Dense
2.00 - 3.99	Very Stiff	50 - 80	Very Dense
>4.00	Hard	>80	Extremely Dense

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring: 1
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/26/25
Elevation: 720.77

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Concrete							
1	-	-----5"-----	1	1 - 2.5	10	17"	M	4.5	MC 17.4%
	-	Brown F-M Sand w/ Little Silt and Little Gravel							
2	-	USCS - SP							
	-	-----1.0'----							
3	-	Brown Silty Sandy Clay w/ Little Gravel							
	-	USCS - CL	2	3.5 - 5	10	0"			
4	-								
	-								
5	-								
	-								
6	-	-----6.0'-----	3	6 - 7.5	16	12"	W	1.75	MC 19.3%
	-	Brown Sandy Silt w/ Trace Gravel							
7	-	USCS - ML							
	-								
8	-								
	-		4	8.5 - 10	9	13"	S	1.5	MC 19.9%
9	-	-----9.0-----							
	-	Brown Silty Sandy Clay w/ Trace Gravel							
10	-								
	-								
11	-								
	-								
12	-								
	-								
13	-								
	-	-----13.5'-----	5	13.5 - 15	6	11"	S	1.0	MC 20.5%
14	-	Brown Silty Sandy Clay w/ Little Gravel							
	-	USCS - CL							
15	-								
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-	-----18.5'-----	6	18.5 - 20	21	10"	S		MC 20.9%
19	-	Gray Sandy Silt w/ Trace Gravel							
	-	USCS - ML							
20	-	-----Water @ 19.0'-----							
	-								
21	-								
	-								
22	-	-----23.5'-----							
	-	Brown Silty Clay w/ Trace Gravel							
23	-	USCS - CL							
	-	-----E.O.B. 25'-----	7	23.5 - 25	4	18"	S	1.0	MC 21.5%
24	-	-----Water at 19.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring: 2
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/25/25
Elevation: 714.33

Depth (ft.)	Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	Dark Brown Silty Sandy Clay Topsoil	1	0 - 2	2	18"	S		MC 34.3%
1	-----14"-----							
	Dark Brown Silty Clayey Peat							
2	USCS - PT							
3								
	-----3.5'-----	2	3.5 - 5	10	16"	S	2.75	MC 20.7%
4	Brown Silty Sandy Clay w/ Trace Gravel							
	USCS - CL							
5								
6		3	6 - 7.5	11	15"	S	2.75	MC 22.1%
7								
8								
	-----8.5'-----	4	8.5 - 10	6	16"	S	2.25	MC 21.0%
9	Brown/Red Sily Clay w/ Little Sand and Trace Gravel							
	USCS - CL							
10	-----Water @ 9.0'-----							
11								
12								
13								
		5	13.5 - 15	4	18"	S	1.5	MC 21.2%
14								
15								
16								
17								
18								
		6	18.5 - 20	4	18"	S	1.5	MC 24.1%
19								
20								
21								
22								
23								
	-----E.O.B. 25'-----	7	23.5 - 25	2	18"	S	1.0	MC 21.8%
24	-----Water at 9.0' at Completion-----							
	-----Backfilled with Bentonite Chips-----							
25								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring:
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/25/25
Elevation: 715.68

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Dark Brown Silty Sandy Clay Topsoil	1	0 - 2	4	18"	S		MC 21.4%
1	-	-----11.5"-----							
	-	Dark Brown Silty Sandy Clay							
2	-	(Fill)							
	-	USCS - CL							
3	-								
	-	-----3.5'-----	2	3.5 - 5	16	16"	M		MC 16.5%
4	-	Brown Silty Sandy Clay w/ Trace Gravel							
	-	USCS - CL							
5	-								
	-								
6	-		3	6 - 7.5	25	16'	W		MC 17.9%
	-								
7	-	-----Water @ 7.5'-----							
	-								
8	-								
	-		4	8.5 - 10	24	15"	M	4.5	MC 12.2%
9	-	-----9.0-----							
	-	Brown/Red Silty Clay w/ Little Sand and Trace Gravel							
10	-	USCS - CL							
	-								
11	-								
	-								
12	-								
	-								
13	-								
	-		5	13.5 - 15	8	15"	S	1.75	MC 19.1%
14	-								
	-								
15	-								
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-		6	18.5 - 20	9	18"	S	1.75	MC 21.9%
19	-								
	-								
20	-								
	-								
21	-								
	-								
22	-								
	-								
23	-								
	-	-----E.O.B. 25'-----	7	23.5 - 25	4	18"	S	1.25	MC 23.1%
24	-	-----Water at 7.5' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring: 1
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/26/25
Elevation: 717.41

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Dark Brown Silty Sandy Clay Topsoil	1	0 - 2	6	18"	S	2.5	MC 20.4%
1	-	-----8"-----							
	-	Brown Silty Sandy Clay w/ Trace Gravel							
2	-	USCS - CL							
	-								
3	-								
	-		2	3.5 - 5	19	12"	M		MC 16.2%
4	-								
	-	-----4.5'-----							
5	-	Brown Mostly Fine Silty Sand w/ Trace Gravel							
	-	USCS - SP-SM							
6	-		3	6 - 7.5	16	10"	S		MC 18.2%
	-	-----6.5'------							
7	-	Brown F-M Sand w/ Little Silt and Trace Gravel							
	-	USCS - SP							
8	-								
	-	-----8.5'-----	4	8.5 - 10	16	12"	M	3.75	MC 14.9%
9	-	Brown Silty Sandy Clay w/ Trace Gravel							
	-	USCS - CL							
10	-								
	-								
11	-								
	-								
12	-	-----Water @ 12.0'----							
	-								
13	-								
	-		5	13.5 - 15	14	15"	S	2.75	MC 23.2%
14	-								
	-								
15	-								
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-		6	18.5 - 20	8	13"	S	2.0	MC 21.7%
19	-								
	-								
20	-								
	-								
21	-								
	-								
22	-								
	-								
23	-								
	-	-----E.O.B. 25'-----	7	23.5 - 25	8	16"	W	1.5	MC 18.3%
24	-	-----Water at 12.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring:
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/26/25
Elevation: 716.05

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Asphalt							
1	-	-----7.5"-----	1	1 - 2.5	8	16"	S		MC 20.5%
	-	Brown F-M Sand and Gravel w/ Little Silt							
2	-	(CABC)							
	-	-----1.0'----							
3	-	Dark Brown Silty Sandy Clay w/ Little Gravel							
	-	(Fill)	2	3.5 - 5	13	15"	M		MC 16.8%
4	-	USCS - CL							
	-	-----3.5'-----							
5	-	Brown Silty Sandy Clay w/ Trace Gravel							
	-	USCS - CL							
6	-	-----4.5'-----	3	6 - 7.5	17	13"	S		MC 21.0%
	-	Brown Sandy Silt w/ Trace Gravel							
7	-	USCS - ML							
	-								
8	-								
	-		4	8.5 - 10	18	14"	W		MC 16.3%
9	-								
	-								
10	-								
	-								
11	-								
	-								
12	-								
	-								
13	-								
	-	-----13.5'-----	5	13.5 - 15	6	16"	S	1.25	MC 20.6%
14	-	Brown Silty Clay w/ Little Sand and Trace Gravel							
	-	USCS - CL							
15	-	-----Water @ 14.0'-----							
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-		6	18.5 - 20	6	14"	S	1.25	MC 28.9%
19	-								
	-								
20	-								
	-								
21	-								
	-								
22	-								
	-								
23	-								
	-	-----E.O.B. 25'-----	7	23.5 - 25	4	16"	S	1.5	MC 20.3%
24	-	-----Water at 14.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring: 6
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/26/25
Elevation: 717.05

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Dark Brown Silty Sandy Clay Topsoil	1	0-2	8	18"	M		MC 15.8%
1	-	-----11"-----							
	-	Brown/Red Silty Sandy Clay w/ Trace Gravel							
2	-	USCS - CL							
	-								
3	-								
	-	Brown Sandy Silt w/ Trace Gravel	2	3.5 - 5	15	14"	M		MC 17.7%
4	-	USCS - ML							
	-								
5	-								
	-								
6	-		3	6 - 7.5	19	14"	S		MC 17.5%
	-	----6.5'-----							
7	-	Brown Mostly Fine Sand w/ Some Silt							
	-	and Trace Gravel							
8	-	USCS - SP-SM							
	-	------8.5'-----	4	8.5 - 10	12	16"	M	4.5	MC 16.2%
9	-	Brown/Red Silty Sandy Clay w/ Trace Gravel							
	-	USCS - CL							
10	-								
	-								
11	-								
	-								
12	-								
	-								
13	-								
	-	-----13.5'-----	5	13.5 - 15	17	11"	S		MC 18.1%
14	-	Gray Mostly Fine Silty Sand w/ Trace Gravel							
	-	USCS - SP-SM							
15	-	-----Water @ 14.0'-----							
	-								
16	-								
	-								
17	-								
	-								
18	-	"-----18.5'-----							
	-	Brown Silty Clay w/ Some Sand and Trace Gravel	6	18.5 - 20	6	18"	W	1.5	MC 18.2%
19	-	USCS - CL							
	-								
20	-								
	-								
21	-								
	-								
22	-	-----23.5'-----							
	-	Red/Brown Clay w/ Little Silt and Trace Gravel							
23	-	USCS - CH							
	-	-----E.O.B. 25'-----	7	23.5 - 25	8	16"	S	3.0	MC 35.2%
24	-	-----Water at 14.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring:
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/27/25
Elevation: 718.26

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Dark Brown Silty Sandy Clay Topsoil	1	0-2	7	16"	W		MC 19.7%
1	-	-----12"-----							
	-	Brown/Red Silty Sandy Clay w/ Trace Gravel							
2	-	USCS - CL							
	-								
3	-								
	-	-----3.5'-----	2	3.5 - 5	11	15"	M	1.75	MC 14.5%
4	-	Brown Silty Clay w/ Some Sand and Trace Gravel							
	-	USCS - CL							
5	-								
	-								
6	-		3	6 - 7.5	12	12"	M		MC 17.0%
	-								
7	-								
	-								
8	-								
	-	------8.5'-----	4	8.5 - 10	22	15"	S		MC 25.2%
9	-	Brown F-M Sand w/ Some Silt and Trace Gravel							
	-	USCS - SP-SM							
10	-	-----Water @ 10.0'------							
	-								
11	-								
	-								
12	-								
	-								
13	-								
	-		5	13.5 - 15	14	18"	S		MC 23.1%
14	-								
	-								
15	-								
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-	-----18.5'-----	6	18.5 - 20	4	18"	S	1.25	MC 24.1%
19	-	Brown Silty Clay w/ Little Sand and Trace Gravel							
	-	USCS - CL							
20	-								
	-								
21	-								
	-								
22	-								
	-								
23	-								
	-	-----E.O.B. 25'-----	7	23.5 - 25	5	18"	S	1.5	MC 20.6%
24	-	-----Water at 10.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring: 6
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/26/25
Elevation: 721.37

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Concrete							
1	-	-----5"-----	1	1 - 2.5	3	16"	W		MC 17.1%
	-	Brown F-M Sand w/ Little Silt and Trace Gravel							
2	-	(Fill)							
	-	-----1.5'-----							
3	-	Brown Silty Sandy Clay w/ Trace Gravel							
	-	USCS - CL	2	3.5 - 5	6	10"	M		MC 16.5%
4	-								
	-								
5	-								
	-								
6	-	-----6.0'-----	3	6 - 7.5	6	12"	S	1.75	MC 20.6%
	-	Brown/Red Silty Sandy Clay w/ Trace Gravel							
7	-	USCS - CL							
	-								
8	-								
	-		4	8.5 - 10	16	11"	S		MC 18.4%
9	-	-----9.0'-----							
	-	Brown F-M Silty Sand w/ Trace Gravel							
10	-	USCS - SP-SM							
	-	----Water @ 10.0'-----							
11	-								
	-								
12	-								
	-								
13	-								
	-	-----13.5'-----	5	13.5 - 15	15	14"	S		MC 15.7%
14	-	Brown Sandy Silt w/ Trace Gravel							
	-	USCS - ML							
15	-								
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-	-----18.5'-----	6	18.5 - 20	17	16"	M	2.5	MC 15.6%
19	-	Brown Silty Clay w/ Little Sand and Trace Gravel							
	-	USCS - CL							
20	-								
	-								
21	-								
	-								
22	-								
	-								
23	-								
	-	-----E.O.B. 25'-----	7	23.5 - 25	3	18"	S	1.25	MC 21.7%
24	-	-----Water at 10.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring:
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/27/25
Elevation: 720.17

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Dark Brown Silty Sandy Clay Topsoil	1	0 - 2	10	18"	M		MC 16.1%
1	-	-----6"-----							
	-	Brown/Red Silty Sandy Clay w/ Trace Gravel							
2	-	(Possible Fill)							
	-	USCS - CL							
3	-	----1.5'-----							
	-	Brown F-M Silty Sand w/ Trace Gravel	2	3.5 - 5	8	12"	W	1.75	MC 18.5%
4	-	(Possible Fill)							
	-	USCS - SP-SM							
5	-	-----3.5'-----							
	-	Brown/Red Silty Sandy Clay w/ Trace Gravel							
6	-	(Possible Fill)	3	6 - 7.5	16	14"	S		MC 17.9%
	-	USCS - CL							
7	-	-----7.0'-----							
	-	Brown F-M Silty Sand w/ Trace Gravel							
8	-	USCS - SP-SM							
	-		4	8.5 - 10	27	11"	S		MC 16.8%
9	-								
	-								
10	-								
	-								
11	-								
	-								
12	-								
	-								
13	-								
	-		5	13.5 - 15	14	10"	S		MC 20.5%
14	-	-----Water @ 14.0'-----							
	-								
15	-								
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-	-----18.5'-----	6	18.5 - 20	10	16"	S	2.25	MC 25.2%
19	-	Brown Silty Clay w/ Little Sand and Trace Gravel							
	-	USCS - CL							
20	-								
	-								
21	-								
	-								
22	-								
	-								
23	-								
	-	-----E.O.B. 25'-----	7	23.5 - 25	6	15"	S	1.5	MC 26.7%
24	-	-----Water at 14.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring: 10
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/26/25
Elevation: 720.16

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Dark Brown Silty Sandy Clay Topsoil	1	0 - 2	9	18"	M		MC 12.9%
1	-	-----7"-----							
	-	Brown/Red Silty Sandy Clay w/ Trace Gravel							
2	-	(Possible Fill)							
	-	USCS - CL							
3	-	----1.5'-----							
	-	Dark Brown Silty Sandy Clay w/ Trace Gravel	2	3.5 - 5	13	13"	W	2.5	MC 17.0%
4	-	(Possible Fill)							
	-	USCS - SP-SM							
5	-	-----3.5'-----							
	-	Brown/Red Silty Sandy Clay w/ Trace Gravel							
6	-	USCS - CL	3	6 - 7.5	30	11"	S		MC 27.2%
	-	-----6.0'-----							
7	-	Brown Sandy Silt w/ Trace Gravel							
	-	USCS - ML							
8	-								
	-	-----8.5'-----	4	8.5 - 10	11	8"	S		MC 25.8%
9	-	Brown F-M Sand w/ Little Silt and Trace Gravel							
	-	USCS - SP							
10	-	-----Water @ 9.0'-----							
	-								
11	-								
	-								
12	-								
	-								
13	-								
	-		5	13.5 - 15	15	10"	S		MC 22.0%
14	-								
	-								
15	-								
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-		6	18.5 - 20	13	13"	S		MC 23.1%
19	-								
	-								
20	-								
	-								
21	-								
	-								
22	-	-----23.5'-----							
	-	Brown Silty Sandy Clay w/ Trace Gravel							
23	-	USCS - CL							
	-	-----E.O.B. 25'-----	7	23.5 - 25	8	18"	S	2.25	MC 19.4%
24	-	-----Water at 9.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring: 11
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/27/25
Elevation: 717.84

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Dark Brown Silty Sandy Clay Topsoil	1	0 - 2	7	12"	S		MC 23.1%
1	-	-----7"-----							
	-	Brown/Gray Silty Sandy Clay w/ Trace Gravel							
2	-	USCS - CL							
	-								
3	-								
	-	-----3.5'-----	2	3.5 - 5	26	10"	W		MC 10.1%
4	-	Brown F-M Silty Sand w/ Trace Gravel							
	-	USCS - SP-SM							
5	-								
	-								
6	-		3	6 - 7.5	20	13"	S		MC 20.8%
	-								
7	-								
	-								
8	-								
	-		4	8.5 - 10	14	14"	S		MC 23.3%
9	-								
	-								
10	-								
	-								
11	-								
	-								
12	-								
	-								
13	-								
	-	-----13.5'-----	5	13.5 - 15	13	13"	M	3.5	MC 14.3%
14	-	Brown Sandy Clay w/ Little Silt and Trace Gravel							
	-	USCS - CL							
15	-	-----Water @ 14.0'----							
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-	-----18.5'-----	6	18.5 - 20	26	18"	W	2.25	MC 16.3%
19	-	Brown F-M Silty Sand w/ Trace Gravel							
	-	USCS - SP-SM							
20	-	-----19.5'-----							
	-	Brown Silty Sandy Clay w/ Trace Gravel							
21	-	USCS - CL							
	-								
22	-								
	-								
23	-								
	-	-----E.O.B. 25'-----	7	23.5 - 25	9	14"	S	2.25	MC 20.2%
24	-	-----Water at 14.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

Point of Beginning Inc. **POB# 25.2022**

SOIL BORING LOG

Boring By: Point of Beginning Inc.

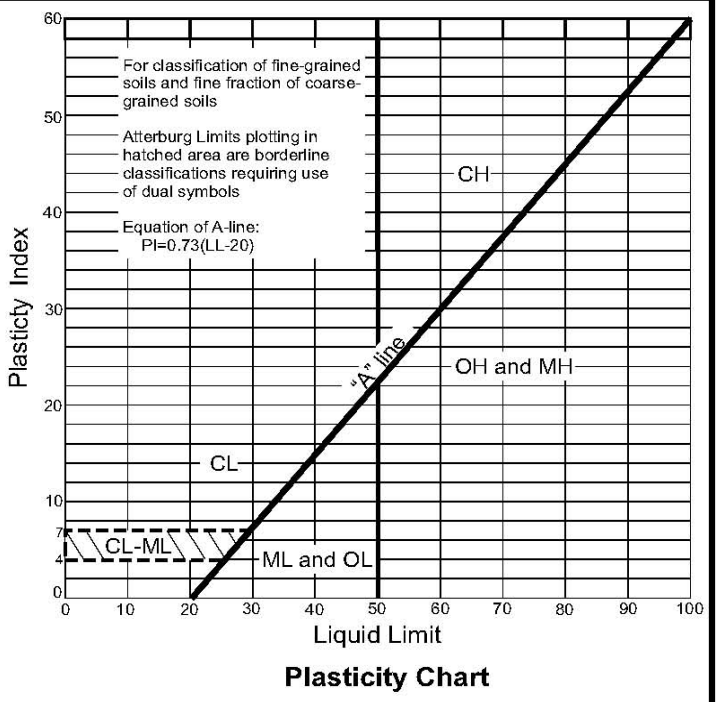
Project: Victor Haen Elementary School Addition
Location: See Map
Rig: Mobile B57 ATV

Boring: 12
Auger: 3.25"HSA
Page: 1 of 1
Drillers: DC/TH
Date: 3/27/25
Elevation: 717.99

Depth (ft.)		Classification/Description	#	Sample Depth (ft.)	N	Rec (in.)	M	Qp (tsf)	Notes
	-	Dark Brown Silty Sandy Clay Topsoil	1	0 - 2	7	18"	S		MC 21.2%
1	-	(Fill)							
	-								
2	-								
	-								
3	-								
	-		2	3.5 - 5	12	16"	M	4.5	MC 13.6%
4	-	-----4.0'-----							
	-	Brown Silty Sandy Clay w/Little Gravel							
5	-	USCS - CL							
	-								
6	-	-----6.0'-----	3	6 - 7.5	21	14"	W		MC 12.6%
	-	Brown F-M Silty Clayey Sand w/ Trace Gravel							
7	-	USCS - CL							
	-								
8	-								
	-		4	8.5 - 10	23	15"	W		MC 15.5%
9	-								
	-								
10	-								
	-								
11	-								
	-								
12	-								
	-								
13	-								
	-	-----13.5'-----	5	13.5 - 15	6	15"	W	2.0	MC 19.6%
14	-	Brown/Red Silty Clay w/ Some Sand and Trace Gravel							
	-	USCS - CL							
15	-	-----Water @ 14.0'-----							
	-								
16	-								
	-								
17	-								
	-								
18	-								
	-		6	18.5 - 20	13	14"	S		MC 13.7%
19	-	-----19.0'-----							
	-	Brown F-M Silty Sand w/ Trace Gravel							
20	-	USCS - SP-SM							
	-								
21	-								
	-								
22	-	-----23.5'-----							
	-	Brown/Red Silty Clay w/ Some Sand and Trace Gravel							
23	-	USCS - CL							
	-	-----E.O.B. 25'-----	7	23.5 - 25	7	16"	S	1.5	MC 24.0%
24	-	-----Water at 14.0' at Completion-----							
	-	-----Backfilled with Bentonite Chips-----							
25	-								

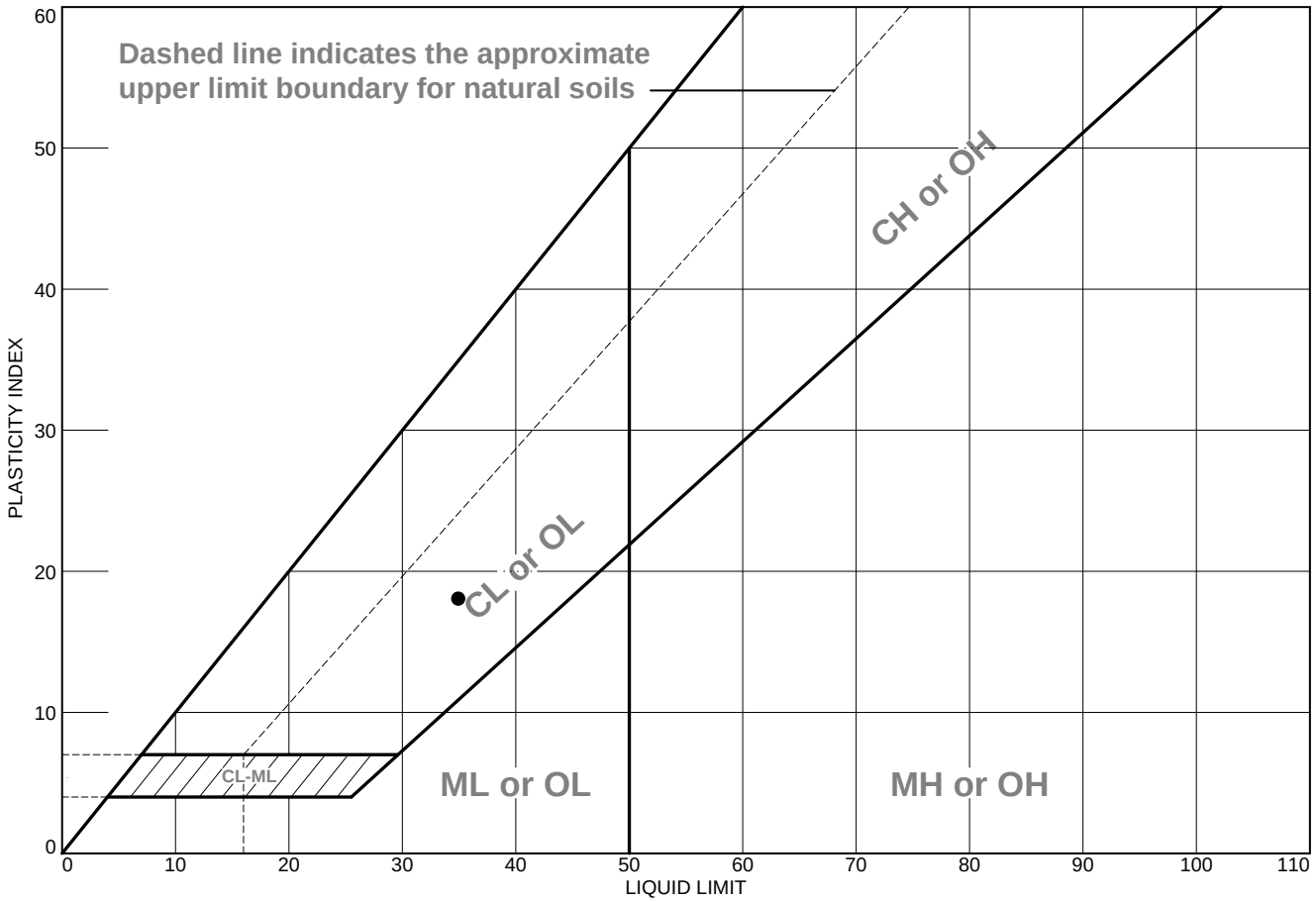
Point of Beginning Inc. **POB# 25.2022**

Unified Soil Classification System (USCS)

Major Divisions			Group symbols	Typical Names	Laboratory classification criteria	
Coarse-grained soils (More than half of material is larger than No. 200 sieve size)	Gravels (More than half of coarse fraction is larger than No. 4 sieve size)	Clean gravels (Little or no fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows: Less than 5 percent . . . . . GW, GP, SW, SP; More than 12 percent . . . . . GM, GC, SM, SC; 5 to 12 percent . . . . . Borderline cases requiring dual symbols	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines		Not meeting all gradation requirements for GW
		Gravels with fines (Appreciable amount of fines)	GM d u	Silty gravels, gravel-sand-silt mixtures		Atterberg limits below "A" line or P.I. less than 4 — Above "A" line with P.I. Between 4 and 7 are borderline cases requiring use of dual symbols
			GC	Clayey gravels, gravel-sand-clay mixtures		Atterberg limits above "A" line or P.I. greater than 7
	Sands (More than half of coarse fraction is smaller than No. 4 sieve size)	Clean sands (Little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines		$C_u = \frac{D_{60}}{D_{10}}$ greater than 6; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3
			SP	Poorly graded sands, gravelly sands, little or no fines		Note meeting all gradation requirements for SW
		Sands with fines (Appreciable amount of fines)	SM d u	Silty sand, sand-silt mixtures		Atterberg limits below "A" line or P.I. less than 4 — Limits plotting in hatched zone with P.I. between 4 and 7 are borderline cases requiring use of dual symbols
			SC	Clayey sands, sand-clay mixtures		Atterberg limits above "A" line or P.I. greater than 7
Fine-grained soils (More than half of material is smaller than No. 200 sieve size)	Silts and clays (Liquid limit less than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity		
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silt clays, lean clays		
			OL	Organic silts and organic silty clays of low plasticity		
	Silts and clays (Liquid limit greater than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soil, elastic silts		
			CH	Inorganic clays of high plasticity, fat clays		
			OH	Organic clays of medium to high plasticity, organic silts		
	Highly organic soils		Pt	Peat and other highly organic soils		

Plasticity Chart

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Brown Clay with little silt and trace gravel	35	17	18			

Project No. 25.2022 **Client:** Kaukauna School District

Project: Victor Haen Elementary School

●**Source of Sample:** B3-S7 **Sample Number:** B3-S7

Remarks:

●Sample B3-S7

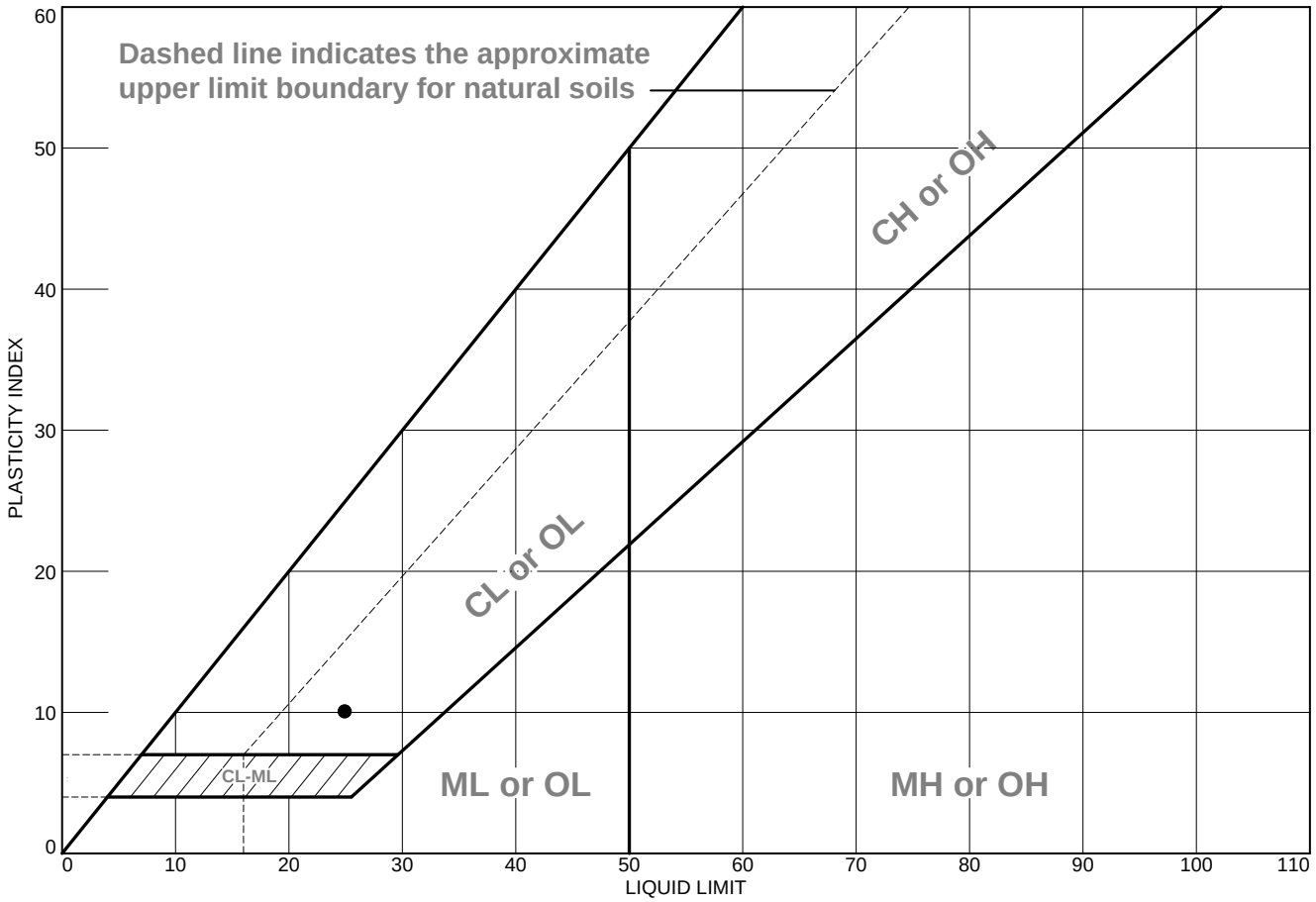
Point of Beginning, Inc.

Stevens Point, Wisconsin

Figure

Tested By: NH

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Brown Silty Clay with Trace gravel	25	15	10			

Project No. 25.2022 **Client:** Kaukauna School District

Project: Victor Haen Elementary School

●**Source of Sample:** B12-S2 **Sample Number:** B12-S2

Remarks:

●Sample B12-S2

Point of Beginning, Inc.

Stevens Point, Wisconsin

Figure

Tested By: NH

Appendix C

- Drilling Procedures
- Sampling Procedures
- Laboratory Procedures

Hand-Auger Drilling (HA)

A sampling device is driven into the soil to the desired sample depth by a sledge hammer. After extracting the sample, the hole is advanced by a hand auger until the next sampling depth is reached. The manual driving of the sampler, especially into cohesive soils, may result in some sample disturbance. However, there are some situations where this method is the only viable option.

Solid-Stem Auger Drilling (AD)

Continuous flight augers are turned and hydraulically advanced by a truck- or track-mounted unit to create a borehole. In solid-stem auger drilling, casing and drilling mud are not typically used to maintain an open borehole.

Hollow-Stem Auger Drilling (HS)

Continuous flight augers having open stems are used to advance the borehole. The open stem allows the sampling tool to be used without removing the augers from the borehole. Hollow-stem augers maintain an open borehole during the sampling operations. This sampling method is not appropriate for geotechnical investigation beneath the water table, especially in granular soils.

Rotary Drilling (RD)

Various cutting bits, in conjunction with circulating drilling fluid, are used to advance the borehole. Surface casing is used to maintain sidewall stability in the top several meters of the borehole, and to facilitate the circulation of the drilling fluid into the mud tank.

Diamond Core Drilling (DD)

A double-tube or triple-tube core barrel with a diamond bit cuts an annular space around a cylinder of rock or cemented material. When the coring has proceeded to the desired core run length, the core is broken off and the sample is retained by a core catcher just above the diamond bit. Samples recovered by this procedure are placed in sturdy core boxes in sequential order.

Sampling Procedures

Auger Sampling (AS)

Soil samples are obtained as cuttings from the auger flights as they are lifted from the borehole. Auger samples provide a general indication of subsurface conditions; however, they do not provide undisturbed samples, nor do they provide samples from specific depths. Due to the possible loss of soil components, or the mixing of soil components from various elevations, auger samples may not be representative of in-situ soil conditions.

Split-Barrel Sampling (SS) - ASTM Standard D-1586-84

A 2-inch-O.D. split-barrel sampler is driven into the soil a distance of 18 inches by a 140-pound hammer free-falling 30 inches. The first 6 inches of penetration is usually considered a seating drive. The Standard Penetration Resistance value is the number of blows of the hammer over the final 12 inches of driving. This value provides an indication of the in-place relative density of granular soils. The indication should be considered qualitative, since many variables such as drill crews, drill rigs, drilling procedures, and hammer-rod-sampler assemblies can significantly affect the Standard Penetration Resistance value. A representative portion of the soil sample is recovered from the split-barrel sampler, placed in a sample jar, and delivered to our laboratory for further examination and possible testing.

Shelby Tube Sampling Procedure (ST) - ASTM Standard D-1587-83

A 2- or 3-inch-diameter thin-walled seamless steel tube having a sharp cutting edge is hydraulically pushed into the soil to obtain a relatively undisturbed sample. This procedure is generally used for cohesive soils. The Shelby tubes are carefully handled to minimize sample disturbance, and delivered to a laboratory where the soil is extruded from the tube, examined, and tested.

American Society for Testing and Materials

ASTM 1586
Standard Method for Penetration Test and Split-Barrel Sampling of Soils[1]

This standard is issued under the fixed designation D 1586; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of the last revision. A number in parentheses indicates the year of the last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

This method has been approved for use by agencies of the Department of Defense and for listing in the DOD Index of Specifications and Standards.

1. Scope

1.1 This method describes the procedure, generally known as the Standard Penetration (SPT), for driving a split-barrel sampler to obtain a representative soil sample and a measure of the resistance of the soil to penetration of the sampler.

1.2 This standard may involve hazardous materials, operations, and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of whoever uses this standard to consult and establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. For a specific precautionary statement, see 5.4.1.

1.3 The values stated in inch-pound units are to be regarded as the standard.

2. Applicable Documents

2.1 ASTM Standards:

D2487 Test Method for Classification of Soils for Engineering Purposes[2]

D2488 Practice for Description and Identification of Soils (Visual-Manual Procedure)[2]

D4220 Practice for Preserving and Transporting Soil Samples[2]

3. Descriptions of Terms Specific to This Standard

3.1 anvil--that portion of the drive-weight assembly while the hammer strikes and through which the hammer energy passes into the drill rods.

3.2 cathead--the rotating drum or windlass in the rope-cathead lift system around which the operator wraps a rope to lift and drop the hammer by successively tightening and loosening the rope turns around the drum

3.3 drill rods--rods used to transmit downward force and torque to the drill bit while drilling a borehole.

3.4 drive-weight assembly--a device consisting of the hammer, hammer fall guide, the anvil, any hammer drop system.

3.5 hammer--that portion of the drive-weight assembly consisting of the 140 ± 2 lb (63.5 ± 1 kg) impact weight which is successfully lifted and dropped to provide the energy that accomplishes the sampling and penetration.

3.6 hammer drop system--that portion of the drive-weight assembly by which the operator accomplishes the lifting and dropping of the hammer to produce the blow.

3.7 hammer fall guide--that part of the drive-weight assembly used to guide the fall of the hammer.

3.8 N-value--the blowcount representation of the penetration resistance of the soil. The N-value, reported in blows per foot, equals the sum of the number of blows required to drive the sampler over the depth interval of 6 to 18 in. (150 to 450 mm) (see 7.3).

3.9 ΔN--the number of blows obtained from each of the 6-in. (150-mm) intervals os sampler penetration (see 7.3).

3.10 number of rope turns--the total contact angle between the rope and the cathead at the beginning of the operator's rope slackening to drop the hammer; divided by 360° (see Fig. 1).

3.11 sampling rods--rods that connect the drive-weight assembly to the sampler. Drill rods are often used for this purpose.

3.12 SPT--abbreviation for Standard Penetration Test, a term by which engineers commonly refer to this method.

4. Significance and Use

4.1 This method provides a soil sample for identification purposes and for laboratory tests appropriate for soil obtained from a sampler that may produce large shear strain disturbance in the sample.

4.2 This method is used extensively in a great variety of geotechnical exploration projects. Many local correlations and widely published correlations which relate SPT blowcount, or N-value, and the engineering behavior of earthworks and foundation are available.

5. Apparatus

5.1 Drilling Equipment--Any drilling equipment that provides at the time of sampling a suitably clean open hole before insertion of the sampler and ensures that the penetration test is performed on undistributed soil shall be acceptable. The following pieces of equipment have proven to be suitable for advancing a borehole in some subsurface conditions.

---

[1] This method is under the jurisdiction of ASTM Committee D-18 on Soil and Rock and is the direct responsibility of subcommittee D18.02 on Sampling and Related Field Testing for Soil Investigations.

Current edition approved Sept. 11, 1984. Published November 1984. Originally published as D1586-58T. Last previous edition D1586-67 (1974).

[2] Annual Book of ASTM Standards, Vol 04.08.

5.1.1 Drag, Chopping and Fishtail Bits, less than 6.5 in. (162 mm) and greater than 2.2 in. (56 mm) in diameter may be used in conjunction with open-hole rotary drilling or casing-advancement drilling methods. To avoid disturbance of the underlying soil, bottom discharge bits are not permitted; only side discharging bits are permitted.

5.1.2 Roller-Cone Bits, less than 6.5 in. (162 mm) and greater than 2.2 in. (56 mm) in diameter may be used in conjunction with open-hole rotary drilling or casing-advancement drilling methods if the drilling fluid discharge is deflected.

5.1.3 Hollow-Stem Continuous Flight Augers, with or without a center bit assembly, may be used to drill the boring. The inside diameter of the hollow-stem augers shall be less than 6.5 in. (162 mm) and greater that 2.2 in. (56 mm).

5.1.4 Solid, Continuous Flight, Bucket and Hand Augers, less than 6.5 in. (162 mm) and greater than 2.2 in. (56 mm) in diameter may be used if the soil on the side of the boring does not cave into the sampler or sampling rods during the sampling.

5.2 Sampling Rods--Flush-joint steel drill rods shall be used to connect the split-barrel sampler to the drive-weight assembly. The sampling rod shall have a stiffness (moment of inertia) equal to or greater than that of a parallel wall "A" rod (a steel rod which has an outside diameter of 1 5/8 in. (41.2 mm) and an inside diameter of 1 1/8 in. (28.5 mm).

NOTE 1--Recent research and comparative testing indicates the type rod used, with stiffness ranging from "A" size rod to "N" size rod, will usually have a negligible effect on the N-values to depths of at least 100 ft. (30 m).

5.3 Split-Barrel Sampler--The sampler shall be constructed with the dimensions indicated in Fig. 2. The driving shoe shall be hardened steel and shall be replaced or repaired when it becomes dented or distorted. The use of liners to produce a constant inside diameter of 1 3/8 in. (35 mm) is permitted, but shall be noted on the penetration record if used. The use of a sampler retainer basket is permitted, and should also be noted on the penetration record if used.

NOTE 2--Both theory and available test datas suggest that N-values may increase 10 to 30% when liners are used.

5.4 Drive-Weight Assembly:

5.4.1 Hammer and Anvil--The hammer shall weigh 140 ± 2 lb (63.5 ± 1 kg) and shall be a solid rigid metallic mass. The hammer shall strike the anvil and make steel on steel contact when it is dropped. A hammer fall guide permitting a free fall shall be used. Hammers used with the cathead and rope method shall have an unimpeded overlift capacity of at least 4 in. (100 mm). For safety reasons, the use of hammer assembly with an internal anvil is encouraged.

NOTE 3--It is suggested that the hammer fall guide be permanently marked to enable the operator or inspector to judge the hammer drop height.

5.4.2 Hammer Drop System--Rope-cathead, trip, semi-automatic, or automatic hammer drop systems may be used, providing the lifting apparatus will not cause penetration of the sampler while re-engaging and lifting the hammer.

5.5 Accessory Equipment--Accessories such as labeled, sample containers, data sheets, and groundwater level measuring devices shall be provided in accordance with the requirements of the project and other ASTM standards.

6. Drilling Procedure

6.1 The boring shall be advanced incrementally to permit intermittent or continuous sampling. Test intervals and locations are normally stipulated by the project engineer or geologist. Typically, the intervals selected are 5 ft. (1.5 m) or less in homogeneous strata with test and sampling locations at every change of strata.

6.2 Any drilling procedure that provides a suitably clean and stable hole before insertion of the sampler and assures that the penetration test is performed on essentially undisturbed soil shall be acceptable. Each of the following procedures have proven to be acceptable for some subsurface conditions. The subsurface conditions anticipated should be considered when selecting the drilling method to be used.

6.2.1 Open-hole rotary drilling method.

6.2.2 Continuous flight hollow-stem auger method.

6.2.3 Wash boring method.

6.2.4 Continuous flight soli[illegible] method.

6.3 Several drilling methods produce unacceptable borings. The process of jetting through an open tube sampler and then sampling when the desired depth is reached shall not be permitted. The continuous flight solid auger method shall not be used for advancing the boring below a water table or below the upper confining bed of a confined non-cohesive stratum that is under artesian pressure. Casing may not be advanced below the sampling elevation prior to sampling. Advancing a boring with bottom discharge bits is not permissible. It is not permissible to advance the boring for subsequent insertion of the sampler solely by means of previous sampling with the SPT sampler.

6.4 The drilling fluid within the boring or hollow-stem augers shall be maintained at or above the in situ groundwater level at all times during drilling, removal of drill rods, and sampling.

7. Sampling and Testing Procedure

7.1 After the boring has been advanced to the desired sampling elevation and excessive cuttings have been removed, prepare for the test with the following sequence of operations.

7.1.1 Attach the split-barrel sampler to the sampling rods and lower into borehole. Do not allow the sampler to drop onto the soil to be sampled.

7.1.2 Position the hammer above and attach the anvil to the top of the sampling rods. This may be done before the sampling rods and sampler are lowered into the borehole.

7.1.3 Rest the dead weight of the sampler, rods, anvil, and drive weight on the bottom of the boring and apply a seating blow. If excessive cuttings are encountered at the bottom of the boring, remove the sampler and sampling rods from the boring and remove the cuttings.

7.1.4 Mark the drill rods in three successive 6-in. (0.15-m) increments so that the advance of the sampler under the impact of the hammer can be easily observed for each 6-in. (0.15-m) increment.

7.2 Drive the sampler with blows from the 140-lb (63.5-kg) hammer and count the number of blows applied in

each 6-in. (0.15-m) increment until one of the following occurs:

7.2.1 A total of 50 blows have been applied during any one of the three 6-in. (0.15-m) increments described in 7.1.4.

7.2.2 A total of 100 blows have been applied.

7.2.3 There is no observed advance of the sampler during the application of 10 successive blows of the hammer.

7.2.4 The sampler is advanced the complete 18 in. (0.45 m) without the limiting blow counts occurring as described in 7.2.1, 7.2.2, or 7.2.3.

7.3 Record the number of blows required to effect each 6 in. (0.15 m) of penetration or fraction thereof. The first 6 in. is considered to be a seating drive. The sum of the number of blows required for the second and third 6 in. of penetration is termed the "standard penetration resistance", or the "N-value". If the sampler is driven less than 18 in. (0.45 m), as permitted in 7.2.1, 7.2.2, or 7.2.3, the number of blows per each complete 6 in. (0.15-m) increment and per each partial increment shall be recorded on the boring log. For partial increments, the depth of penetration shall be reported to the nearest 1 in. (25 mm), in addition to the number of blows. If the sampler advances below the bottom of the boring under the static weight of the hammer, this information should be noted on the boring log.

7.4 The raising and dropping of the 140-lb (63.5-kg) hammer shall be accomplished using either the following two methods:

7.4.1 By using a trip, automatic, or semi-automatic hammer drop system which lifts the 140-lb (63.5 kg) hammer and allows it to drop 30 ± 1.0 in. (0.76 m ± 25 mm) unimpeded.

7.4.2 By using a cathead to pull a rope attached to the hammer. When the cathead and rope method is used the system and operation shall conform to the following:

7.4.2.1 The cathead shall be essentially free of rust, oil, or grease and have a diameter in the range of 6 to 10 in. (150 to 250 mm).

7.4.2.2 The cathead should be operated at a minimum speed of rotation of 100 RPM, or the approximate speed of rotation shall be reported on the boring log.

7.4.2.3 No more than 2 1/4 rope turns on the cathead may be used during the performance of the penetration test, as shown in Fig. 1.

NOTE 4--The operator should generally use either 1 3/4 of 2 1/4 rope turns, depending upon whether or not the rope comes off the top (1 3/4 turns) or the bottom (2 1/4 turns) of the cathead. It is generally known and accepted that 2 3/4 or more rope turns considerably impedes the fall of the hammer and should not be used to perform the test. The cathead rope should be maintained in a relatively dry, clean, and unfrayed condition.

7.4.2.4 For each hammer blow, a 30-in. (0.76 m) lift and drop shall be employed by the operator. The operation of pulling and throwing the rope shall be performed rhythmically without holding the rope at the top of the stroke.

7.5 Bring the sampler to the surface and open. Record the percent recovery or length of sample recovered. Describe the soil samples recovered as to composition, color, stratification, and condition, then place one or more representative portions of the sample into sealable moisture-proof containers (jars) without ramming or distorting any apparent stratification. Seal each container to prevent evaporation of soil moisture. Affix labels to the containers bearing job designation, boring number, sample depth, and the blow count per 6-in. (0.15 m) increment. Protect the samples against extreme temperature changes. If there is a soil change within the jar for each stratum and note its location in the sampler barrel.

8. Report

8.1 Drilling information shall be recorded in the filed and shall include the following:

8.1.1 Name and location of job,

8.1.2 Names of crew,

8.1.3 Type and make of drilling machine,

8.1.4 Weather conditions,

8.1.5 Date and time of start and finish of boring,

8.1.6 Boring number and location (station and coordinates, if available and applicable),

8.1.7 Surface evaluation, if applicable

8.1.8 Method of advancing and cleaning the boring,

8.1.9 Method of keeping boring open,

8.1.10 Depth of water surface and drilling depth at time of a noted loss of drilling fluid, and time and date when reading or notation was made,

8.1.11 Location of strata changes,

8.1.12 Size of casing, depth of cased portion of boring,

8.1.13 Equipment and method of driving sampler,

8.1.14 Type of sampler and length and inside diameter of barrel (note use of liners),

8.1.15 Size, type and section length of the sampling rods, and

8.1.16 Remarks.

8.2 Data obtained for each sample shall be recorded in the field and shall include the following:

8.2.1 Sample depth and, if utilized, the sample number,

8.2.2 Description of soil,

8.2.3 Strata changes within sample,

8.2.4 Sampler penetration and recovery lengths, and

8.2.5 Number of blows per 6-in. (0.15 m) or partial increment.

9. Precision and Bias

9.1 Variations in N-values of 100% or more have been observed when using different standard penetration test apparatus and drillers for adjacent borings in the same soil formation. Current opinion, based on field experience, indicates that when using the same apparatus and driller N-values in the same soil can be reproduced with coefficient or variation of about 10%.

9.2 The use of faulty equipment, such as extremely massive or damaged anvil, a rusty cathead, a low speed cathead, an old, oily rope, or massive or poorly lubricated rope sheaves can significantly contribute to differences in N-values obtained between operator-drill rig systems.

9.3 The variability in N-values produced by different drill rigs and operators may be reduced by measuring the part of the hammer energy delivered into the drilling rods from the sampler and adjusting N on the basis of comparative energies. A method for energy measurement and N-value adjustment is currently under development.

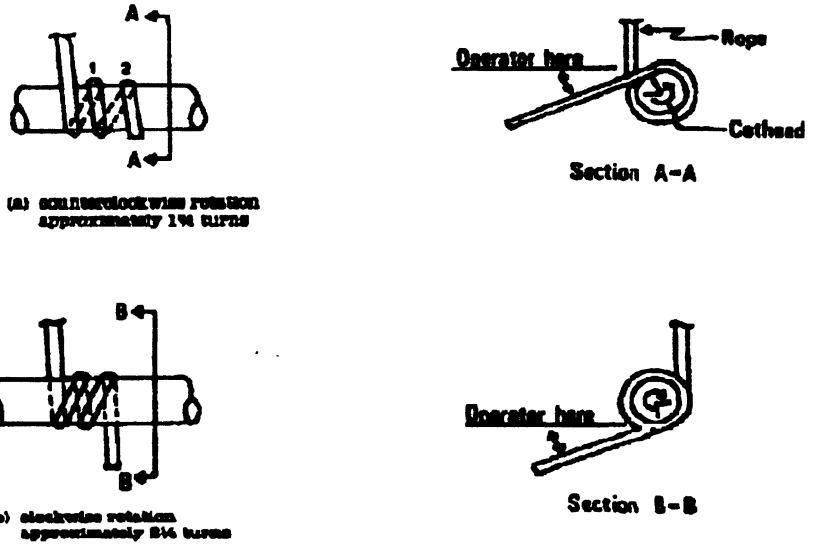
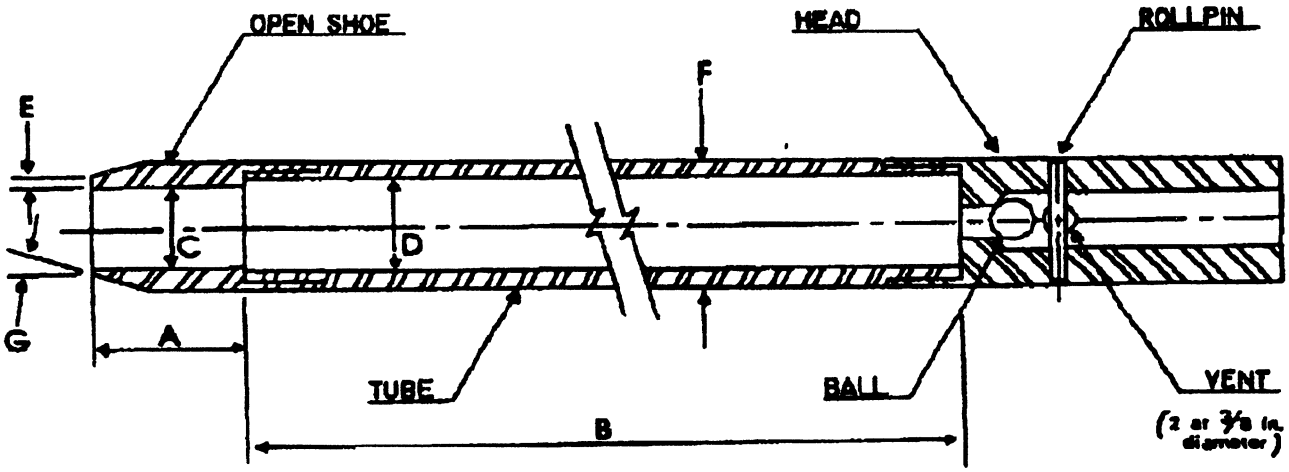


FIG. 1 Definitions of the number of rope turns and the angle for (a) counterclockwise rotation and (b) clockwise rotation of the cathead



A = 1.0 to 2.0 in. (25 to 50 mm)
B = 18.0 to 30.0 in. (0.457 to 0.762 m)
C = 1.375 ± 0.005 in. (34.93 ± 0.13 mm)
D = 1.50 ± 0.05 - 0.00 in. (38.1 ± 1.3 - 0.0 mm)
E = 0.10 ± 0.02 in. (2.54 ± 0.25 mm)
F = 2.00 ± 0.05 - 0.00 in. (50.8 ± 1.3 - 0.0 mm)
G = 16.0° to 23.0°

The 1 1/2 in. (38 mm) inside diamter split barrel may be used with a 16-gage wall thickness split liner. The penetrating end of the drive shoe may be slightly rounded. Metal or plastic retainers may be used to retain soil samples.

FIG. 2 Split-Barrel Sampler

Water Content (W_c)

The water content of a soil is determined by weighing a moist soil sample, drying it in an oven for approximately 24 hours, and reweighing the sample to determine the moisture loss. The water content is the ratio of the weight of water in the soil to the weight of the dry soil. Water content is typically expressed as a percentage.

Calibrated Hand Penetrometer (Q_p)

In the calibrated hand penetrometer test, the unconfined compressive strength of a soil is estimated to a maximum value of 4.5 tons per square foot (tsf) by measuring the resistance of the soil sample to penetration by a spring-calibrated plunger. The hand penetrometer test device has been carefully calibrated by its manufacturer with the results of numerous unconfined compressive strength tests. This test provides a quick, simple, and low-cost testing procedure from which soil strength can be estimated.

Unconfined Compression Test (Q_u)

In the unconfined compression strength test, an undisturbed cylinder of soil is loaded axially until the soil fails to carry additional load, or until 20% strain has been reached, whichever occurs first. The undrained shear strength of a cohesive soil is usually considered to equal half of the unconfined compressive strength.

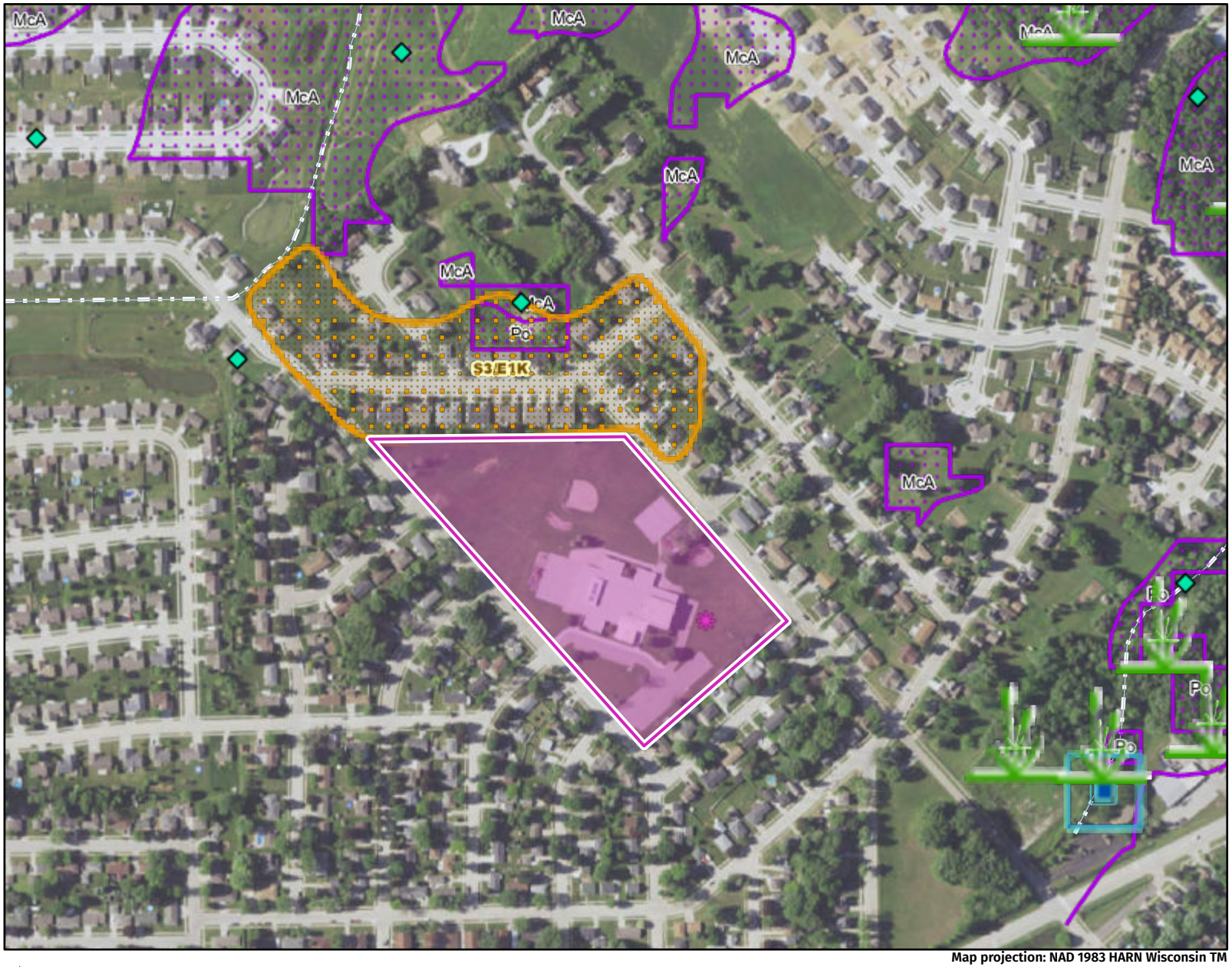
Dry Density (γ_d)

The dry density of a soil is the weight of dry soil in a unit volume. The soil's total unit weight is typically calculated by weighing a cylinder of soil, and dividing the weight by the cylinder's volume as calculated by measuring the cylinder's height and diameter at several locations. The soil's dry density is then determined by correcting the cylinder's weight to account for its water content measured as described above. Use of this value is often made when estimating the degree of compaction of a soil.

Classification of Samples

Soil samples are classified on the basis of their texture and plasticity in accordance with the Unified Soil Classification System (USCS). The two-letter designator in parentheses following each soil description on the boring logs represents the applicable unified classification. If the designator is capitalized, the classification has been confirmed by the appropriate index testing. If the designator is lower-case, the classification has been visually estimated.

WISCONSIN DEPARTMENT OF NATURAL RESOURCES



Legend: (some map layers may not be displayed)

- Wetland Identifications and Confirmations

Wetland Class Points

- Excavated pond
- Wetland too small to delineate
- Wetland Class Areas
- USDA Wetspots
- Wetland Indicators
- 24K Streams and Rivers
- 24K Intermittent Streams
- Latest Leaf On Imagery
- City or Village
- County Boundaries

County and Local Roads

- County HWY
- Local Road

Notes:

Map projection: NAD 1983 HARN Wisconsin TM

N

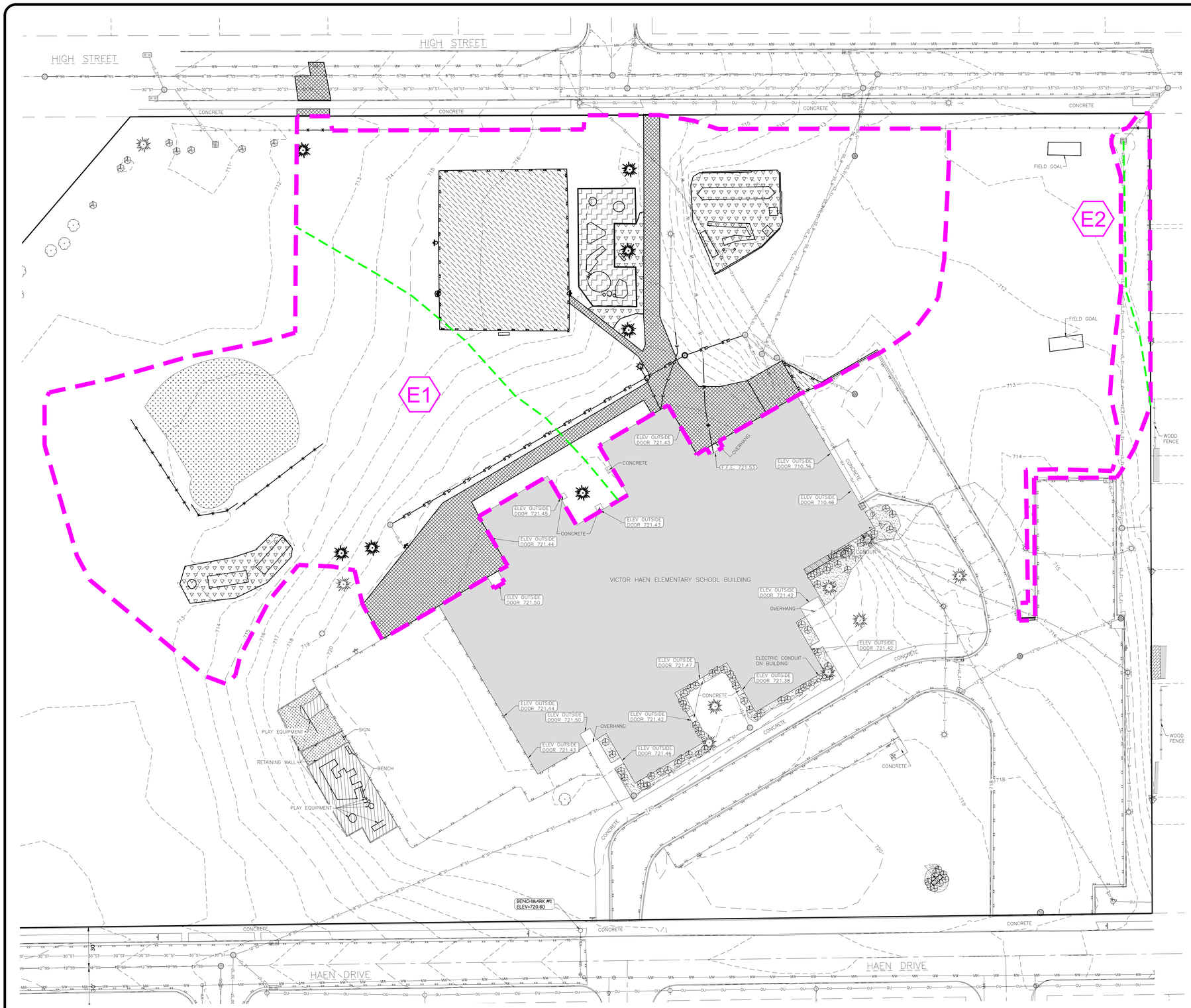
Map: 0 425 850 Feet
0 125 250 Meters

Service Layer Credits:
Wisconsin Wetland Inventory NWI (cached): , Wetland Indicators & Soils: Surface Water Data Viewer Team, EN Basic Basemap WTM Ext: , 2022 Leaf On: , Wisconsin Wetland Inventory NWI (Dynamic): Calvin Lawrence, Dennis Weise, Nina Rihn

Date Printed: 2/10/2025 10:24 AM

APPENDIX C

Existing Drainage Map and Calculations



LEGEND:

EXISTING DRAINAGE AREA LIMITS

EXISTING Tc FLOW PATH

EXISTING DRAINAGE AREA LABEL — E1

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

EXISTING DRAINAGE

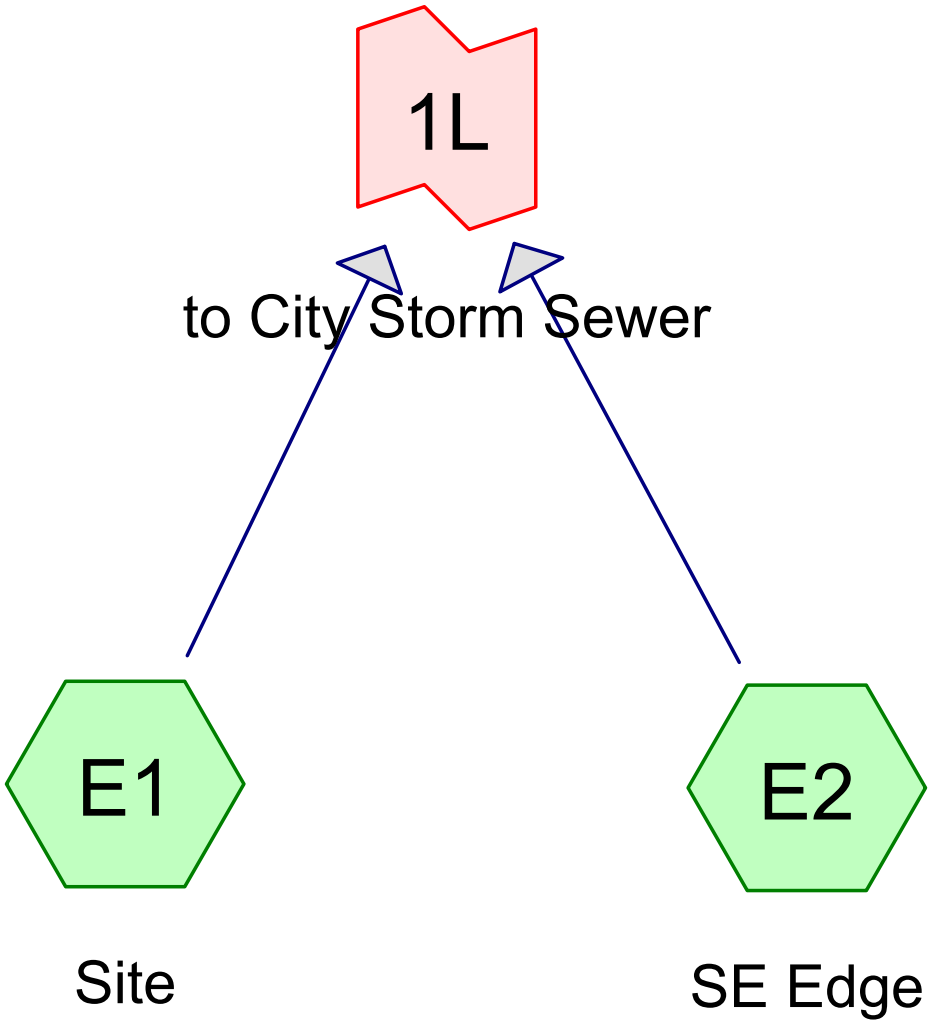
KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kitschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

SHEET EX

0' 30' 60'
1" = 30'



Subcat Reach Pond Link

Routing Diagram for Victor Haen - EX
Prepared by Point of Beginning, Inc., Printed 5/1/2025
HydroCAD® 10.10-6a s/n 05316 © 2020 HydroCAD Software Solutions LLC

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
2.773	78	Grass (E1, E2)
0.182	98	Gravel (E1)
0.070	98	PIP Playground (E1)
0.580	98	Paved (E1)
0.167	78	Wood Chip Playgrounds (E1)
3.772	**82**	**TOTAL AREA**

Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-Q
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentE1: Site Runoff Area=157,398 sf 23.04% Impervious Runoff Depth=1.09"
Flow Length=315' Tc=11.4 min CN=WQ Runoff=4.68 cfs 0.329 af

SubcatchmentE2: SE Edge Runoff Area=6,928 sf 0.00% Impervious Runoff Depth=0.76"
Flow Length=197' Slope=0.0076 '/' Tc=6.0 min CN=78 Runoff=0.18 cfs 0.010 af

Link 1L: to City Storm Sewer Inflow=4.81 cfs 0.339 af
Primary=4.81 cfs 0.339 af

Total Runoff Area = 3.772 ac Runoff Volume = 0.339 af Average Runoff Depth = 1.08"
77.94% Pervious = 2.940 ac 22.06% Impervious = 0.832 ac

Summary for Subcatchment E1: Site

Runoff = 4.68 cfs @ 12.20 hrs, Volume= 0.329 af, Depth= 1.09"
Routed to Link 1L : to City Storm Sewer

Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.45"

	Area (sf)	CN	Description
*	25,267	98	Paved
*	7,939	98	Gravel
*	7,265	78	Wood Chip Playgrounds
*	3,051	98	PIP Playground
*	113,876	78	Grass
	157,398		Weighted Average
	121,141		76.96% Pervious Area
	36,257		23.04% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.8	55	0.0084	0.09		**Sheet Flow,** Grass: Short n= 0.150 P2= 2.45"
1.6	260	0.0315	2.66		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
11.4	315	Total			

Summary for Subcatchment E2: SE Edge

Runoff = 0.18 cfs @ 12.14 hrs, Volume= 0.010 af, Depth= 0.76"
Routed to Link 1L : to City Storm Sewer

Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.45"

	Area (sf)	CN	Description
*	6,928	78	Grass
	6,928		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.5	197	0.0076	1.31		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
2.5	197	Total, Increased to minimum Tc = 6.0 min			

Summary for Link 1L: to City Storm Sewer

Inflow Area = 3.772 ac, 22.06% Impervious, Inflow Depth = 1.08" for 2-Year event
Inflow = 4.81 cfs @ 12.19 hrs, Volume= 0.339 af
Primary = 4.81 cfs @ 12.19 hrs, Volume= 0.339 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs

Victor Haen - EX *MSE 24-hr 4 10-Year Rainfall=3.51"*
Prepared by Point of Beginning, Inc. Printed 5/1/2025

Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-Q
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentE1: Site Runoff Area=157,398 sf 23.04% Impervious Runoff Depth=1.91"
Flow Length=315' Tc=11.4 min CN=WQ Runoff=8.38 cfs 0.576 af

SubcatchmentE2: SE Edge Runoff Area=6,928 sf 0.00% Impervious Runoff Depth=1.50"
Flow Length=197' Slope=0.0076 '/' Tc=6.0 min CN=78 Runoff=0.38 cfs 0.020 af

Link 1L: to City Storm Sewer Inflow=8.64 cfs 0.596 af
Primary=8.64 cfs 0.596 af

Total Runoff Area = 3.772 ac Runoff Volume = 0.596 af Average Runoff Depth = 1.90"
77.94% Pervious = 2.940 ac 22.06% Impervious = 0.832 ac

Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-Q
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentE1: Site Runoff Area=157,398 sf 23.04% Impervious Runoff Depth=3.63"
Flow Length=315' Tc=11.4 min CN=WQ Runoff=15.96 cfs 1.093 af

SubcatchmentE2: SE Edge Runoff Area=6,928 sf 0.00% Impervious Runoff Depth=3.14"
Flow Length=197' Slope=0.0076 '/' Tc=6.0 min CN=78 Runoff=0.78 cfs 0.042 af

Link 1L: to City Storm Sewer Inflow=16.51 cfs 1.135 af
Primary=16.51 cfs 1.135 af

Total Runoff Area = 3.772 ac Runoff Volume = 1.135 af Average Runoff Depth = 3.61"
77.94% Pervious = 2.940 ac 22.06% Impervious = 0.832 ac

APPENDIX D

Proposed Drainage Map and Calculations

HIGH STREET

HIGH STREET

CONCRETE

CONCRETE

CONCRETE

1P

D1

D2

D3

D1

FIELD GOAL

FIELD GOAL

WOOD FENCE

PROPOSED BUILDING FFE=721.45

ELEV OUTSIDE DOOR 721.43

CONCRETE

F.F.E. 721.53

ELEV OUTSIDE DOOR 710.36

ELEV OUTSIDE DOOR 710.46

ELEV OUTSIDE DOOR 721.45

ELEV OUTSIDE DOOR 721.43

CONCRETE

ELEV OUTSIDE DOOR 721.44

ELEC. CONDUIT ON BUILDING

VICTOR HAEN ELEMENTARY SCHOOL BUILDING

ELEV OUTSIDE DOOR 721.50

ELEV OUTSIDE DOOR 721.42

OVERHANG

ELEV OUTSIDE DOOR 721.42

ELEV OUTSIDE DOOR 721.47

ELEC. CONDUIT ON BUILDING

ELEV OUTSIDE DOOR 721.38

CONCRETE

ELEV OUTSIDE DOOR 721.44

ELEV OUTSIDE DOOR 721.50

OVERHANG

ELEV OUTSIDE DOOR 721.42

PLAY EQUIPMENT

SIGN

ELEV OUTSIDE DOOR 721.43

ELEV OUTSIDE DOOR 721.46

RETAINING WALL

BENCH

PLAY EQUIPMENT

CONCRETE

CONCRETE

CONCRETE

CONCRETE

WOOD FENCE

SIGN

BENCHMARK #1
ELEV=720.80

HAEN DRIVE

HAEN DRIVE

30

30

LEGEND:

PROPOSED DRAINAGE AREA LIMITS

PROPOSED Tc FLOW PATH

PROPOSED DRAINAGE AREA LABEL — D1

PROPOSED PONDING AREA LABEL — 1P

0' 30' 60'

1" = 30'

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

PROPOSED DRAINAGE

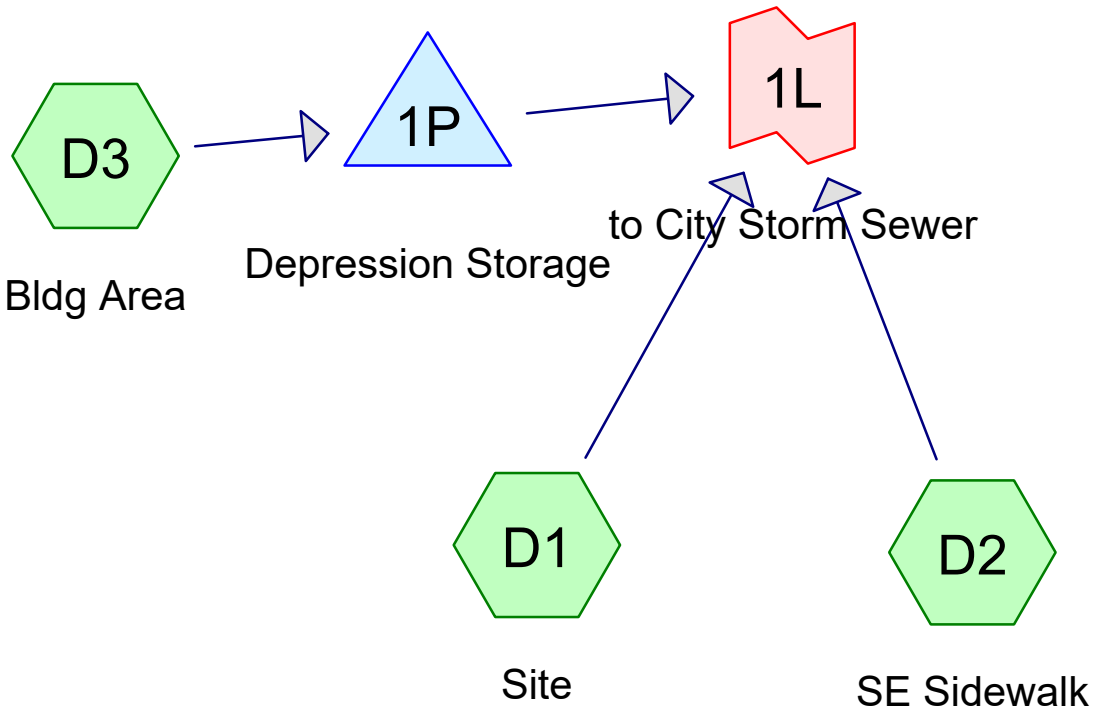
KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture

4941 Kirschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

SHEET PR



Subcat Reach Pond Link

Routing Diagram for Victor Haen - PR
Prepared by Point of Beginning, Inc., Printed 5/1/2025
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Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-Year	MSE 24-hr	4	Default	24.00	1	2.45	2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.734	98	Building (D3)
1.552	78	Grass (D1)
0.701	74	Grass (D2, D3)
0.154	98	PIP Playground (D1)
0.426	98	Paved (D1)
0.094	98	Sidewalk (D2, D3)
0.110	39	Synth Turf Courtyard w/ underdrain (D1)
3.772	**84**	**TOTAL AREA**

Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-Q
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentD1: Site Runoff Area=97,684 sf 25.89% Impervious Runoff Depth=1.10"
Flow Length=264' Tc=10.7 min CN=WQ Runoff=2.97 cfs 0.205 af

SubcatchmentD2: SE Sidewalk Runoff Area=6,928 sf 32.79% Impervious Runoff Depth=1.12"
Flow Length=197' Slope=0.0760 '/' Tc=6.0 min CN=WQ Runoff=0.25 cfs 0.015 af

SubcatchmentD3: Bldg Area Runoff Area=59,714 sf 56.63% Impervious Runoff Depth=1.51"
Tc=6.0 min CN=WQ Runoff=2.85 cfs 0.172 af

Pond 1P: Depression Storage Peak Elev=711.49' Storage=2,092 cf Inflow=2.85 cfs 0.172 af
6.0" Round Culvert n=0.013 L=18.0' S=0.0050 '/' Outflow=0.68 cfs 0.172 af

Link 1L: to City Storm Sewer Inflow=3.79 cfs 0.392 af
Primary=3.79 cfs 0.392 af

Total Runoff Area = 3.772 ac Runoff Volume = 0.392 af Average Runoff Depth = 1.25"
62.65% Pervious = 2.363 ac 37.35% Impervious = 1.409 ac

Summary for Subcatchment D1: Site

Runoff = 2.97 cfs @ 12.19 hrs, Volume= 0.205 af, Depth= 1.10"
Routed to Link 1L : to City Storm Sewer

Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.45"

	Area (sf)	CN	Description
*	18,571	98	Paved
*	6,718	98	PIP Playground
*	4,790	39	Synth Turf Courtyard w/ underdrain
*	67,605	78	Grass
	97,684		Weighted Average
	72,395		74.11% Pervious Area
	25,289		25.89% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.3	40	0.0130	0.07		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.45"
1.4	224	0.0310	2.64		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
10.7	264	Total			

Summary for Subcatchment D2: SE Sidewalk

Runoff = 0.25 cfs @ 12.13 hrs, Volume= 0.015 af, Depth= 1.12"
Routed to Link 1L : to City Storm Sewer

Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.45"

	Area (sf)	CN	Description
*	2,272	98	Sidewalk
*	4,656	74	Grass
	6,928		Weighted Average
	4,656		67.21% Pervious Area
	2,272		32.79% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.8	197	0.0760	4.14		**Shallow Concentrated Flow,** Grassed Waterway Kv= 15.0 fps
0.8	197	Total, Increased to minimum Tc = 6.0 min			

Summary for Subcatchment D3: Bldg Area

Runoff = 2.85 cfs @ 12.13 hrs, Volume= 0.172 af, Depth= 1.51"
Routed to Pond 1P : Depression Storage

Runoff by SCS TR-20 method, UH=SCS, Weighted-Q, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.45"

	Area (sf)	CN	Description
*	31,979	98	Building
*	1,835	98	Sidewalk
*	25,900	74	Grass
	59,714		Weighted Average
	25,900		43.37% Pervious Area
	33,814		56.63% Impervious Area

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

Summary for Pond 1P: Depression Storage

Inflow Area = 1.371 ac, 56.63% Impervious, Inflow Depth = 1.51" for 2-Year event
Inflow = 2.85 cfs @ 12.13 hrs, Volume= 0.172 af
Outflow = 0.68 cfs @ 12.40 hrs, Volume= 0.172 af, Atten= 76%, Lag= 16.0 min
Primary = 0.68 cfs @ 12.40 hrs, Volume= 0.172 af
Routed to Link 1L : to City Storm Sewer

Routing by Stor-Ind method, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs
Peak Elev= 711.49' @ 12.40 hrs Surf.Area= 5,161 sf Storage= 2,092 cf

Plug-Flow detention time= 24.6 min calculated for 0.172 af (100% of inflow)
Center-of-Mass det. time= 24.5 min (800.4 - 775.9)

Volume	Invert	Avail.Storage	Storage Description
#1	710.50'	17,258 cf	**Custom Stage Data (Irregular)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
710.50	1	1.0	0	0	1
711.00	2,147	181.0	366	366	2,608
712.00	9,747	452.0	5,490	5,855	16,263
713.00	13,142	525.0	11,402	17,258	21,960

Device	Routing	Invert	Outlet Devices
#1	Primary	710.50'	**6.0" Round Culvert** L= 18.0' CPP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 710.50' / 710.41' S= 0.0050 '/' Cc= 0.900 n= 0.013, Flow Area= 0.20 sf

Primary OutFlow Max=0.68 cfs @ 12.40 hrs HW=711.49' (Free Discharge)
└**1=Culvert** (Barrel Controls 0.68 cfs @ 3.45 fps)

Summary for Link 1L: to City Storm Sewer

Inflow Area = 3.772 ac, 37.35% Impervious, Inflow Depth = 1.25" for 2-Year event
Inflow = 3.79 cfs @ 12.19 hrs, Volume= 0.392 af
Primary = 3.79 cfs @ 12.19 hrs, Volume= 0.392 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-48.00 hrs, dt= 0.05 hrs

Victor Haen - PR *MSE 24-hr 4 10-Year Rainfall=3.51"*
Prepared by Point of Beginning, Inc. Printed 5/1/2025

Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-Q
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentD1: Site Runoff Area=97,684 sf 25.89% Impervious Runoff Depth=1.89"
Flow Length=264' Tc=10.7 min CN=WQ Runoff=5.22 cfs 0.353 af

SubcatchmentD2: SE Sidewalk Runoff Area=6,928 sf 32.79% Impervious Runoff Depth=1.91"
Flow Length=197' Slope=0.0760 '/' Tc=6.0 min CN=WQ Runoff=0.44 cfs 0.025 af

SubcatchmentD3: Bldg Area Runoff Area=59,714 sf 56.63% Impervious Runoff Depth=2.40"
Tc=6.0 min CN=WQ Runoff=4.56 cfs 0.274 af

Pond 1P: Depression Storage Peak Elev=711.77' Storage=3,869 cf Inflow=4.56 cfs 0.274 af
6.0" Round Culvert n=0.013 L=18.0' S=0.0050 '/' Outflow=0.83 cfs 0.274 af

Link 1L: to City Storm Sewer Inflow=6.31 cfs 0.652 af
Primary=6.31 cfs 0.652 af

Total Runoff Area = 3.772 ac Runoff Volume = 0.652 af Average Runoff Depth = 2.08"
62.65% Pervious = 2.363 ac 37.35% Impervious = 1.409 ac

Time span=0.00-48.00 hrs, dt=0.05 hrs, 961 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-Q
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

SubcatchmentD1: Site Runoff Area=97,684 sf 25.89% Impervious Runoff Depth=3.55"
Flow Length=264' Tc=10.7 min CN=WQ Runoff=9.80 cfs 0.664 af

SubcatchmentD2: SE Sidewalk Runoff Area=6,928 sf 32.79% Impervious Runoff Depth=3.59"
Flow Length=197' Slope=0.0760 '/' Tc=6.0 min CN=WQ Runoff=0.82 cfs 0.048 af

SubcatchmentD3: Bldg Area Runoff Area=59,714 sf 56.63% Impervious Runoff Depth=4.18"
Tc=6.0 min CN=WQ Runoff=7.95 cfs 0.478 af

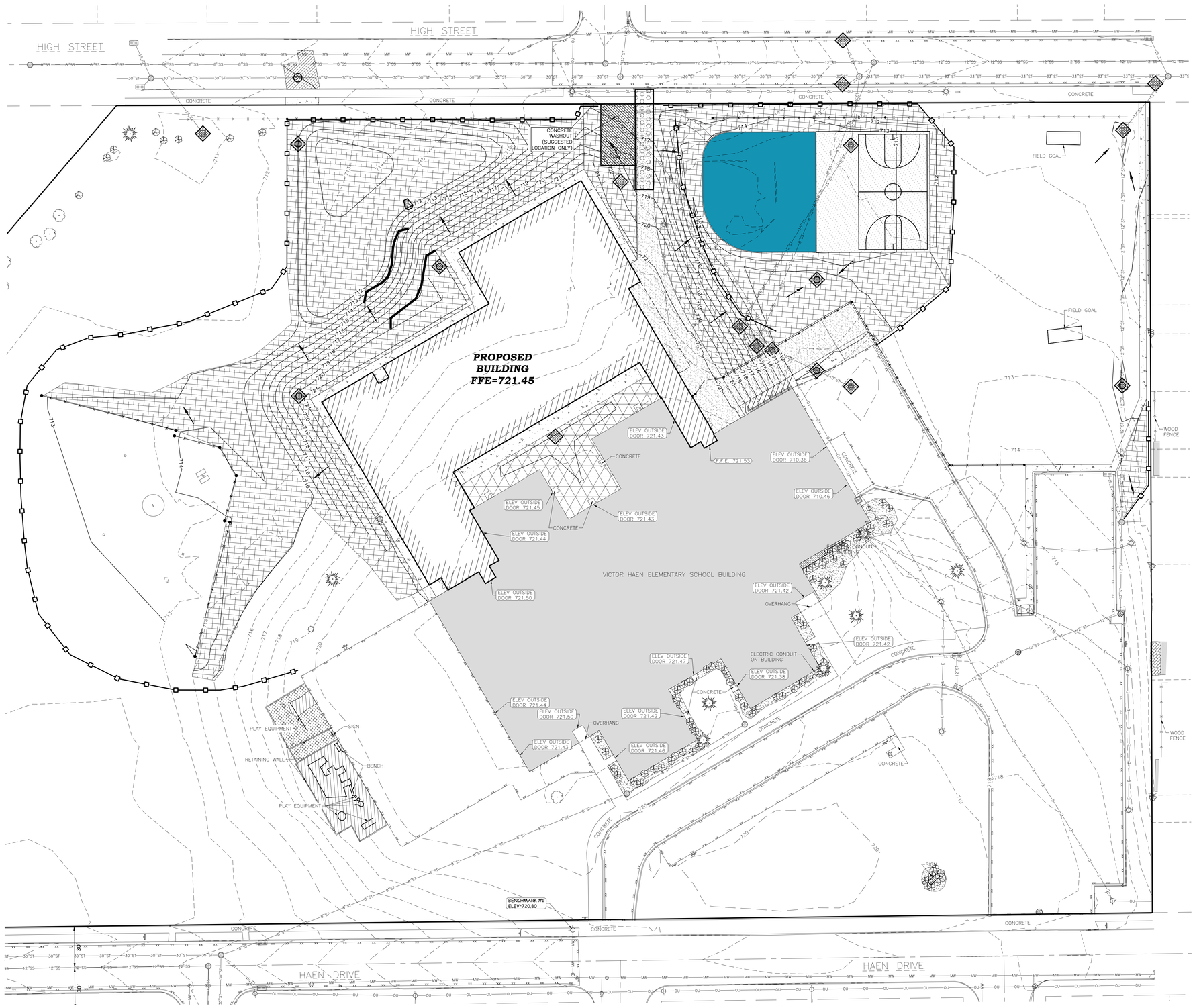
Pond 1P: Depression Storage Peak Elev=712.21' Storage=7,978 cf Inflow=7.95 cfs 0.478 af
6.0" Round Culvert n=0.013 L=18.0' S=0.0050 '/' Outflow=1.01 cfs 0.478 af

Link 1L: to City Storm Sewer Inflow=11.36 cfs 1.189 af
Primary=11.36 cfs 1.189 af

Total Runoff Area = 3.772 ac Runoff Volume = 1.189 af Average Runoff Depth = 3.78"
62.65% Pervious = 2.363 ac 37.35% Impervious = 1.409 ac

APPENDIX E

Proposed Erosion Control Plan



GENERAL NOTES:

1. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO COMMENCEMENT OF WORK.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. CRUSHED ROCK DRIVES FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFFSITE SEDIMENT DEPOSITS RESULTING FROM STORMWATER RUNOFF SHALL BE CLEANED BY THE END OF THE NEXT WORKDAY. OFFSITE SEDIMENT DEPOSITS RESULTING FROM CONTRACTOR ACTIVITIES, INCLUDING SOIL TRACKING, SHALL BE CLEANED EACH WORKDAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS ON ADJACENT STREETS SHALL SWEPT MECHANICALLY OR MANUALLY AT LEAST WEEKLY AND BEFORE IMMINENT RAINFALL.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT ARE LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WI DNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
13. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
14. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOWFALL OR GROUND FREEZE.
15. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
16. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400–187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888
PROPOSED CONTOUR	888
PROPOSED SILT FENCE	1 C602
PROPOSED INLET PROTECTION	2, 3 C602
EROSION CONTROL BLANKET	4 C602
ROCK CONSTRUCTION ENTRANCE	5 C602
TEMPORARY SLOPE INTERRUPTION	6 C602
CONCRETE WASHOUT AREA (INSTALL PER EPA STANDARDS)	7 C602
STORM WATER OVERLAND FLOW DIRECTION	

EROSION CONTROL SEQUENCING:

1. INSTALL PERIMETER EROSION CONTROL
2. BEGIN DEMOLITION
3. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
4. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
5. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
6. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
7. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, AN ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

REVISIONS

CHECKED:	JL
DRAWN:	GC
DATE	05/01/2025
PROJECT NO.	24.0140

NOT FOR CONSTRUCTION

EROSION CONTROL PLAN

KASD - VICTOR HAEN ELEMENTARY SCHOOL ADDITION & RENOVATION
CITY OF KAUKAUNA
OUTAGAMIE CO, WISCONSIN

Civil Engineering
Land Surveying
Landscape Architecture
4941 Kitschling Court
Stevens Point, WI 54481
715.344.9999 (PH) 715.344.9922 (FX)

Point of Beginning

0' 30' 60'
1" = 30'

SHEET C400

APPENDIX F

State of Wisconsin Construction Site Inspection Report, Post Construction Long-Term Storm Water Management Checklist, And Notice of DNR Notice of Termination

State of Wisconsin
Department of Natural Resources (DNR)
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

CONSTRUCTION SITE INSPECTION REPORT

Form 3400-187 (R 02/2025)

Notice: This form was developed in accordance with s. NR 216.48 Wis. Adm. Code for WPDES permittees' convenience; however, use of this specific form is voluntary. Multiple copies of this form may be made to compile the inspection report. Inspections of the construction site and implemented erosion and sediment control best management practices (BMPs) must be performed weekly and within 24 hours after a rainfall event 0.5 inches or greater.

Construction Site Name and Location (Project, Municipality, and County):	**Site/Facility ID No. (FIN):**
Onsite Contact/Contractor:	**Onsite Phone/Cell:**

Note: In accordance with s. NR 216.48 (4), Wis. Adm. Code, inspection reports, along with erosion control and storm water management plans, are required to be maintained on site and made available upon request. Repair or replace erosion and sediment control best management practices within 24 hours of an inspection or department notification that repair or replacement is needed. PLEASE PRINT LEGIBLY.

Date of inspection:	**Time of inspection:** **Start:** _____ ◯ **am** ◯ **pm** **End:** _____ ◯ **am** ◯ **pm**	**Type of inspection:** ◯ **Weekly** ◯ **Precipitation Event** ◯ **Other (specify)**
Weather/Site Conditions: **Temp.** _____ **°F** **Antecedent Soil Moisture** **Last Rainfall Depth:** _____ **inches** **Last Rainfall Date:** _____	◯ **Dry** ◯ **Frozen or snow covered** ◯ **Variable** ◯ **Frozen (Thaw predicted in next week)** ◯ **Wet** ◯ **Melting Snow/slush**	**Describe current phase of construction:** Scheduled Final Stabilization Date for Universal Soil Loss Equation (USLE) [1] : **Project on Schedule[2]?** ◯ **Yes** ◯ **No**
Name(s) of individual(s) performing inspection:		**Inspector Phone/Cell:**

I certify that the information contained on this form is an accurate assessment of site conditions at the time of inspection:

Inspector Signature _____ **Date:** _____

Inspection Questions:	**Yes**	**No (Identify Actions Required):**	**Location/Comments:**	**Actions Completed by Date & Initials**
1. Is the erosion control plan accessible to operators?	☐	☐ Provide onsite copy		
2. Is the permit certificate posted where visible?	☐	☐ Post certificate		
3. Is the current phase of construction on sequence with the site-specific erosion and sediment control plan, including installation/stabilization of ponds and ditches?	☐	☐ Add sediment control ☐ Install missing ditch/pipe/pond ☐ Stabilize bare soil		
4. Are all erosion and sediment control BMPs shown on plan properly installed and in functional condition?	☐	☐ Repair ☐ Modify ☐ Install/Replace		
5. Is inlet protection properly installed and functioning in all inlets likely to receive runoff from the site?	☐	☐ Clean ☐ Replace ☐ Install		
6. Is the air free of fugitive dust resulting from construction activity and bare soil exposure?	☐	☐ Apply water ☐ Apply dust control product		

[1] The Universal Soil Loss Equation (USLE) model and the Construction Site Soil Loss and Sediment Discharge Guidance are available at: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html

[2] If the project is not on schedule then the soil loss summary for the project should be reviewed, and schedule, plan or practices modified accordingly.

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

CONSTRUCTION SITE INSPECTION REPO
Form 3400-187 (R 02/2025)

Inspection Questions:	Yes	No (Identify Actions Required):	Location/Comments:	Actions Completed by Date & Initials
7. Is the public right of way curb line free of tracked soil and accumulation?	☐	☐ Install tracking pad ☐ Widen/lengthen pad ☐ Amend stone/Add geotextile ☐ Install wheel washing station ☐ Close entrance/exit ☐ Limit traffic across disturbed areas ☐ Sweep road and curb line		
8. Are wetlands, lakes, streams, ditches, or storm sewers downstream of the site free of sedimentation and turbid water leaving the site?[3]	☐	☐ Repair/Replace erosion control ☐ Add sediment controls ☐ Modify operations ☐ Contact DNR to verify extent of cleanup required		
9. Is dewatering and/or vehicle and equipment washing being done in a manner that prevents erosion and sediment discharge?	☐	☐ Install treatment train ☐ Install energy dissipation ☐ Modify discharge location ☐ Modify intake to reduce sediment		
10. Are soil stockpiles existing for more than 7 days covered and stabilized?	☐	☐ Seed ☐ Install mat/mulch/polymer ☐ Cover with tarp/plastic sheeting		
11. Are downstream channels and other downhill areas protected from scour and erosion?	☐	☐ Install energy dissipation at outfall ☐ Install ditch checks ☐ Install slope interruption ☐ Install onsite detention		
12. Are good housekeeping practices or treatment controls in place to prevent the discharge of chemicals, cement, trash, and other materials into wetlands, waterways, storm sewers, ditches, or drainage-ways?[4]	☐	☐ Properly dispose of trash ☐ Provide concrete washout station ☐ Contact DNR to verify extent of cleanup required		
13. Is the plan reflective of current site operations and does it address all erosion and sediment control issues identified during the inspection?	☐	☐ Revise sequence ☐ Revise sediment control BMP ☐ Revise erosion control BMP ☐ Revise post-construction storm water BMP		
14. Are all areas where construction has temporarily ceased (and will not resume for more than 2 weeks) temporarily stabilized?	☐	☐ Topsoil & seed ☐ Install mat/mulch/polymer ☐ Cover with tarp/plastic sheeting		
15. Are all areas at final grade permanently vegetated or stabilized with other treatments?	☐	☐ Topsoil & seed ☐ Install mat/mulch/polymer ☐ Sod ☐ Install stone base		
16. Have temporary sediment controls been removed in areas of the site that meet the permit definition of 'final stabilization'?	☐	☐ Water to establish vegetation ☐ Repair or reseed areas ☐ Remove temporary practices		

3 If sediment discharge enters a wetland or waterbody, the permittee should consult with DNR staff to determine if sediment cleanup and/or additional control measures are required.

4 The permittee shall notify the DNR immediately via the spills hotline at (800)943-0003 of any release or spill of a hazardous substance to the environment in accordance with s. 292.11, Wis. Stats., and ch. NR 706, Wis. Adm. Code.

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Notice of Termination – Storm Water Discharges Associated With Land Disturbing Construction Activities General Permit

Form 3400-162 (R 12/14)

This Notice of Termination (NOT) form is authorized by s. 283.37, Wis. Stats. Submittal of a completed NOT to the Department is mandatory for any landowner of a construction site regulated under 40 CFR Part 122, Chapter 283, Wis. Stats., and Chapter NR 216, Wis. Adm. Code. Failure to submit a completed NOT to the Department after the construction site undergoes final stabilization may result in forfeitures up to $10,000 per day, pursuant to s. 283.92 (2), Wis. Stats. Personally identifiable information on this NOT may be used for other water quality program purposes.

Submission of this NOT constitutes notice that the landowner identified in Section I, no longer intends to be authorized by a general WPDES permit to discharge storm water associated with land disturbing construction activities from the construction site identified in Section III of this NOT.

All necessary information must be provided on this NOT. Failure to complete this NOT correctly may result in rejection of this NOT by the Department. Please read all instructions before completing. Please type or clearly print your answer to all questions

Section I: Landowner Information

Business Name	Authorized Representative		
Mailing Address	City	State: WI	ZIP Code
E-mail	Phone Number (area code)	Alternate Phone Number	

Section II: Contractor Information

Business Name	Contact Person		
Mailing Address	City	State: WI	ZIP Code
E-mail	Phone Number (area code)	Alternate Phone Number	

Section III: Facility/Site Location Information

Site Name

Location Address/Description				WDNR Site Number	
○ City ○ Township ○ Village of				County	
PLSS Information	Township N	Range ☐ East ☐ West	Section	Quarter	Quarter-Quarter

☐ Attach photos of the current site conditions

Date photos were taken

Section IV: Certification

I certify under penalty of law that disturbed soils at the identified site have undergone final stabilization and temporary erosion and sediment control measures have been removed or that all storm water discharges associated with construction activity that are authorized by a general WPDES storm water discharge permit have otherwise been eliminated. I understand that by submitting this Notice of Termination, I am no longer authorized to discharge storm water associated with construction activity by the general WPDES permit, and that discharging pollutants in storm water associated with construction activity to waters of Wisconsin is unlawful where the discharge is not authorized by a WPDES permit.

NOTE: The person signing below must be a representative of the landowner as defined in s. NR 216.55 (4) Wis. Adm. Code. "Landowner" for purposes of this NOT is defined in s. NR 216.002 (13), Wis. Adm. Code. Failure to have this NOT properly signed will result in its rejection.

Signature of Landowner/Authorized Representative	Date Signed
Printed Name of Landowner/Authorized Representative	Title

Mail this completed NOT form to the appropriate Wisconsin Department of Natural Resources office in the region where the facility is located. See the instructions on page 2 of this form for regional office addresses.

Notice of Termination – Storm Water Discharges Assoc
With Land Disturbing Construction Activities General Permit

Form 3400-162 (R 12/14)

Instructions

Section I: Landowner Information

Provide the legal name of the person, firm, public organization, or any other entity that owns the construction site described in Section III of this application and holds or qualifies for an applicable general or individual constructions site storm water discharge permit. The mailing address and phone number given should be for the authorized representative.

Section II: Contractor Information

Provide the legal name of the person, firm, or any other entity that acted as the major contractor in charge or operating the construction site described in Section III of this application. The mailing address and phone number given should be for the contact person.

Section III: Construction Site Information

Enter the construction site's official or legal name and complete address, including county, city, state and zip code. Be sure to include the quarter-quarter, quarter, section, township and range (the nearest quarter section) of the site. If the site is on more than one quarter, enter the quarter that best describes the location of the site. Use additional space if needed to describe the site location. The WDNR Site Number can be found in the upper right corner of the original letter conferring coverage under the general permit from the WDNR.

Required: Attach photos of the current site conditions and provide the date the photos were taken.

Section IV: Certification

State Statutes provide for severe penalties for submitting false information on this NOT form. State regulations require this NOT to be signed as follows:

1. For a corporation, by a responsible corporate officer including president, secretary, treasurer, vice president, manager, or a duly authorized representative having overall responsibility for the operation covered by this permit.
2. For a unit of government, by a ranking elected official or other duly authorized representative.
3. For a partnership, by a general partner; and for a sole proprietorship, by the proprietor.
4. For a limited liability company, by a manager.

Sign the form and print the name of the individual signing the NOT and date of signature. If the form was prepared by a consultant or someone other than an employee of the site landowner, provide the name and address of the preparer.

If you need additional information about the NOT for construction activities, please contact the Department at (608) 267-7694.

Mailing Address

Unless otherwise directed, mail this completed NOT Form to the WDNR office associated with the county of the site location:

NORTHERN REGION (NOR)				
Ashland Barron Bayfield Burnett	Douglas Florence Forest Iron	Langlade Lincoln Oneida Polk Price	Rusk Sawyer Taylor Vilas Washburn	WDNR Baldwin Service Center 890 Spruce Street Baldwin, WI 54002 715-684-2914 ext. 109
NORTHEAST REGION (NER)				
Brown Calumet Door Fond du Lac	Green Lake Kewaunee Manitowoc Marinette	Marquette Menominee Oconto Oneida Reservation	Outagamie Shawano Waupaca Waushara Winnebago	WDNR Northeast Regional Headquarters 2984 Shawano Avenue Green Bay, WI 54313-6727 920-662-5100
WEST CENTRAL REGION (WCR)				
Adams Buffalo Chippewa Clark	Crawford Dunn Eau Claire Jackson Juneau	La Crosse Marathon Monroe Pepin Pierce	Portage St. Croix Trempealeau Vernon Wood	WDNR Baldwin Service Center 890 Spruce Street Baldwin, WI 54002 715-684-2914 ext. 109
SOUTH CENTRAL REGION (SCR)				
Columbia Dane Dodge	Grant Green Iowa	Jefferson LaFayette Richland	Rock Sauk	WDNR South Central Regional Headquarters 3911 Fish Hatchery Road Fitchburg, WI 53711 608-275-3266
SOUTHEAST REGION (SER)				
Kenosha Milwaukee	Ozaukee Racine	Sheboygan Walworth	Washington Waukesha	WDNR Waukesha Service Center 141 N.W. Barstow Street, Room 180 Waukesha, WI 53188 262-574-2100

Storm Water Management Practices
Post Construction Long-Term Storm Water Management Checklist

Site Name: Victor Haen Elementary – Building Addition & Site Improvements

Location: Kaukauna, Outagamie County, Wisconsin

Responsible Party: The Owner is of the property responsible for the post construction long-term storm water management upkeep. This checklist may be utilized when performing inspections after any rainfall event exceeding one inch of rainfall, and at a minimum semi-annually in early spring and fall.

Date of Inspection: (mm/dd/yy)

Time of Inspection: (start/end)

Type of Inspection: (annual/quarterly/precipitation event)

Weather:

Inspector's Name:

Component Inspected:	**Repairs Required:**	**Comments:**
General Site Area		
-Sediment Deposits		
-Trash Accumulation		
-Plant Life		
-Surface Erosion		
-Mulch		
Site Vegetation		
Area Storm Sewer Pipe		
Grass and Plants throughout Site		
-Bare Spots		
-Dead Plant Material		
-Washouts		

EROSION CONTROL AND STORMWATER MANAGEMENT PERMIT APPLICATION

Applicant Information			
Applicant Name (Indiv., Org. or Entity): Kaukauna Area School District	Authorized Representative: Chris McDaniel	Title: Dir. of Operations & Finance	
Mailing Address: 101 Oak St	City: Kaukauna	State: WI	Postal Code: 54130
E-mail Address: mcdanielc@kaukaunasd.org	Telephone (include area code): 920-759-6104	Fax (include area code):	
Landowner Information (if different than Applicant)			
Name (Organization or Entity):	Contact Person:	Title:	
Mailing Address:	City:	State:	Postal Code:
E-mail Address:	Telephone (include area code):	Fax (include area code):	
Other Contact Information (check one): ☒ Engineer / Consultant ☐ Contractor / Builder ☐ Agent / Other			
Name (Organization or Entity): Point of Beginning	Contact Person: Geno Carlson	Telephone (include area code): 715-344-9999	
Mailing Address: 4941 Kirschling Ct	City: Stevens Point	State: WI	Postal Code: 54481

Project or Site Location	
Site Name (Project): Victor Haen bldg Addition	Parcel Numbers: 321058600
Address / Location: 1130 Haen Dr., Kaukauna, WI, 54130	Plat / CSM / Lot No.: Lt 3, Bk 51, Assessor's Plat

Permit Type & Fees (check all that apply)

☐ Erosion Control < 1 acre or 43,560 sq.ft. Disturbed Area (EC1)
☒ Erosion Control ≥ 1 acre or 43,560 sq.ft. Disturbed Area (EC2)
☐ Stormwater Management < 20,000 sq.ft. Impervious Area (SM1)
☒ Stormwater Management ≥ 20,000 sq.ft. Impervious Area (SM2)

Total Disturbed Area: 3.772 acres	164309	sq.ft. x $0.0002 / sq.ft. (EC2) = $	32.86
New Impervious Area: 0.788 acres	34314	sq.ft. x $0.0025 / sq.ft. (SM2) = $	85.79
		Base Fee: $200 (EC1), $250 (EC2), $200 (SM1), $500 (SM2) = $	750
		Total Application Fee = $	868.65
Duration of Land Disturbance: 4.5 mos	20	weeks x $25 / week (EC1, EC2) = $	500
Start Date: 08/18/25		Base Fee: $250 (EC2), $500 (SM2) = $	750
End Date: 12/30/25		**Total Inspection Fee** = $	1,250

TOTAL PERMIT FEE (Application Fee + Inspection Fee) = $

Certification & Permission

Certification: I hereby certify that I am the landowner of the property which is the subject of this Permit Application. I certify that the information contained in this form and attachments is true and accurate. I understand that failure to comply with any or all of the provisions of the ordinances and/or permit may result in notices, fines / forfeitures, stop work orders, permit revocation, and cease & desist orders.

Permission: As landowner of the property, I hereby give the Director of Public Works or designee, permission to enter and inspect the property to evaluate this permit application, determine compliance with ordinances, and perform corrective actions after issuing proper notice to the landowner.

Applicant Signature:	Date Signed: 05/01/2025
Landowner Signature (required):	Date Signed: 05/01/2025

LEAVE BLANK – FOR MUNICIPAL USE ONLY

Date Application Received:	Fee Received $	Receipt No:
Construction Site ID / Permit No:	Date Issued:	Issued By:

PLEASE CONTACT CITY OF KAUKAUNA ENGINEERING DEPARTMENT AT 920-766-6305 WITH QUESTIONS.

Storm Sewer Design Calculations - WI DSPS Area Method

PROJECT **Victor Haen Elementary - Site Improvements**
LOCATION Kaukauna

CALCULATIONS BY GMC
DATE 5/1/2025
CHECKED BY GMC
DATE 5/1/2025

Point of Beginning

Structures		Areas (SF)			Design Flow Rate (GPM)					Pipe Selections		Pipe Flow Characteristics					
from	to	Grass	Paved / Gravel	Roof	Grass	Paved / Gravel	Roof	Pipe Flow	Total	size or diameter, inches	Slope, %	Capacity, Qfull, gpm	VelocityFull, Vfull, fps	Q/Qfull	approx. depth of flow, in	V/Vfull	V, actual, fps
ST #1	Ex 10"	0	782	0	0	24	0	0	**24**	4	7.50	**252**	6.43	0.10	0.82	0.64	4.12
ST #2	Ex 15"	14436	6672	0	139	205	0	0	**344**	8	1.04	**597**	3.81	0.58	3.53	0.95	3.61
ST #3	ST #5									6	4.62	Ex. Bldg Flow Unknown					
ST #4	EW #1				0	0	0	0	**1184**	12	0.26	Flow from Bldg Plumbing Designer					
6" INLET	ST #5				0	0	0	0	**373**	6	0.50	Engineered for Rate Control					

MEMO

PLANNING AND COMMUNITY DEVELOPMENT

To: Industrial Park Commission

From: David Kittel Director of Planning and Community Development

Date: 5/14/2025

Re: Site Plan Review – 1801 Progress Way (G & G Machine)

G & G Machine is preparing to build a 8,455 square foot addition on to the existing building at 1801 Progress Way. The addition will match the existing façade and blend in to the building. The facility has ample parking currently and additional parking stalls will not be needed with the addition.

The site plan has been reviewed by the Industrial Pack Commission (IPC). The IPC is recommending approval of the site plan with the condition that prior to issuance of building permits, they must obtain Stormwater and Erosion Control permits from the Engineering Department.

Site Plan Review:

Site/Architectural: 17.32 (10) Supplementary District Regulations & applicable zoning

All set back requirements are met and all applicable ordinances are being complied with to include zoning requirements and .

Landscape: 17.52 Landscaping Requirements

There are multiple trees and shrubs located on the property. There are no plans to remove these during the construction process. Landscaping requirements are being met.

Lighting:

This addition is not adding any lighting.

Stormwater: 22 Stormwater Management

The developer will work with Engineering Department to complete Erosion Control and Stormwater Management permitting.

Ingress/Egress:
No Concerns noted

Public Safety:

No concerns noted at this time.

Façade: 17.53 Façade Standards

The proposed site elevations meet façade requirements and will match the existing façade on the building.

Staff Recommendation:

Staff recommend approval of the development with the following conditions:

- **Prior to issuance of building permits, must obtain Stormwater and Erosion Control permits from the Engineering Department**

SITE PLAN REVIEW APPLICATION

PROPERTY OWNER	APPLICANT (IF DIFFERENT PARTY THAN OWNER)
Name: Mark Stumpf	Name: Jordan Nolle
Mailing Address: 1801 Progress Way Kaukauna, WI	Mailing Address: 1400 Lombardi Ave #101s, Green Bay, WI 54304
Phone: 920 766 9788	Phone: 920-883-1161
Email: mark@ggmachine.com	Email: jnolle@ruekert-mielke.com

PROPERTY INFORMATION	
Described the Proposed Project in Detail: An 8,455 SF building expansion with a small amount of concrete and asphalt replacement and a redirected storm sewer system.	
Property Parcel (#): 322098900	
Site Address/Location: 2801 Progress Way Kaukauna, WI 54130	
Current Zoning and Use: IND - Manufacturing and office space	
Proposed Zoning and Use: IND - Manufacturing and office space	
Existing Gross Floor Area of Building: 33,885	Proposed Gross Floor Area of Building: 42,340
Existing Building Height: 32	Proposed Building Height: 28
Existing Number of Off-Street Parking Spaces: 55	Proposed Number of Off-Street Parking Spaces: 55
Existing Impervious Surface Coverage Percentage: 24.2	Proposed Impervious Surface Coverage Percentage: 26.4

I certify that the attached drawings are, to the best of my knowledge, complete and drawn in accordance with all City of Kaukauna codes.

Owner/Agent Signature: _____

Owner/Agent Name (printed): Grant Frazer

SITE PLAN REVIEW PROCEDURE

The Plan Review process is required for all new commercial, industrial or multifamily buildings, and building expansions/additions or structures.

Early in the process, consult the Site Application Checklist (below) for a complete list of plan requirements and contact staff in the Planning and Community Development Department for initial direction and assistance. In addition, it is your responsibility to notify utility companies regarding your proposed development.

Completed Site Plans must be submitted 14 business days prior to the intended Plan Commission meeting. Those plans will be distributed amongst various City departments for an initial review. After review, questions, comments, and requested revisions will be returned to the applicant in advance of the Plan Commission meeting.

SITE PLAN CHECKLIST

- ✓ Completed Site Plan application
- ✓ Completed Erosion Control and Stormwater Management Permit application and necessary fees
- ✓ Calculations for sanitary sewer and water
- ✓ Calculations for storm sewer design
- ✓ Site Plan set to include:
    - Site Plan layout and streets, including designated fire lanes
    - Utilities, grading, and drainage plan
    - Erosion control plan
    - Landscape and lighting plan
    - Architectural elevation and construction details
    - Floor plan set
    - Any other plans or information deemed necessary by the Planning and Community Development

SITE PLAN SUBMISSION

1. Email to Lily Paul - lpaul@kaukauna-wi.org
2. In-person drop off - City of Kaukauna, Attn: Lily Paul, 144 W. 2nd Street, Kaukauna, WI 54130

Scheduling Plumbing Plan Review and Checklist for General Plumbing Plan Review

Summary Sheet

Section 1. GENERAL PLAN REVIEW APPLICATION INFORMATION

Electronic plumbing plan reviews shall be submitted online at: https://esla.wi.gov/PortalCommunityLogin. Paper plan submittals are no longer accepted by the Department. A complete set of plans and full payment are required at the time of application submittal.

A tutorial aid for the application can be accessed at: https://dsps.wi.gov/Documents/HowToSubmitforaPlumbingPlanReview.pdf

1. **Building or Project Name:** G&G Kaukauna
2. **DIS Application #:**
3. **Type of Project:** Check all that are applicable.
   - ☐ New
   - ☒ Addition/Alteration
   - ☒ Permission to start (Fill out Section 3)
   - ☐ Revision to a previously approved plan review
   - ☐ Extension to a previously approved plan review
4. **Health Care and Health Care Related Facilities:** Check all that are applicable to the type of building submitted. If not applicable, then proceed to Item No. 5.
   - ☐ Health care facility [SPS 381.01(116)]
   - ☐ Health care related facility [SPS 381.01(117m)]

   See the Plumbing Plan Review Recap & Inspection Checklist for Health Care Facilities and Health Care Related Facilities for more information required for these types of occupancies. Note: the checklist provided above is used by the Department and delegated municipalities conducting plan review and inspection for these types of occupancies.
5. **Types of Installation Components (Equipment Types):** Check all that are applicable.
   Link to eSLA equipment definitions can be found by visiting: eSLA Plumbing Equipment Definitions

- ☐ Building Drain & Vent, Sanitary*
- ☐ Building Drain & Vent, Storm*
- ☐ Building Sewer, Sanitary*
- ☐ Building Sewer, Storm*
- ☐ Campground/Recreational Vehicle Park Drainage System, Sanitary
- ☐ Campground/Recreational Vehicle Park Drainage System, Storm
- ☐ Campground/Recreational Vehicle Park Water Supply System
- ☐ Car Wash Interceptor
- ☐ Chemical Waste System
- ☐ Controlled Roof Drain Engineered System
- ☒ Drainage System, Storm
- ☐ Exterior Containment Tank
- ☐ Exterior Cross Connection Control Assembly, Health Care
- ☐ Exterior Grease Interceptor
- ☐ Exterior Mixed Wastewater Treatment Device
- ☐ Exterior Non-Potable Water System
- ☐ Exterior Oil Interceptor
- ☐ Exterior Potable Water Tank
- ☐ Exterior Wastewater Treatment Device, Storm
- ☐ Garage Catch Basin
- ☐ IAPMO Water Demand Calculator**
- ☐ Interior Containment Tank
- ☐ Interior Cross Connection Control Assembly, Health Care
- ☐ Interior Grease Interceptor
- ☐ Interior Mixed Wastewater Treatment Device
- ☐ Interior Non-Potable Water System
- ☐ Interior Oil Interceptor
- ☐ Interior Potable Water Tank
- ☐ Interior Wastewater Treatment Device
- ☐ Manufactured Home Community Water Supply System
- ☐ Multipurpose Piping System
- ☒ Private Interceptor Main Sewer, Sanitary*
- ☐ Private Interceptor Main Sewer, Storm*
- ☐ Private Water Main*
- ☐ Provent Engineered System
- ☐ Pure Water System
- ☐ Regulated Contaminant Water Treatment – Arsenic
- ☐ Regulated Contaminant Water Treatment – Bacteria
- ☐ Regulated Contaminant Water Treatment – Nitrate
- ☐ Regulated Contaminant Water Treatment – Other
- ☐ Regulated Contaminant Water Treatment – Radium
- ☐ Sanitary Dump Station
- ☐ Siphonic Roof Drain Engineered System
- ☐ Sovent Engineered System
- ☐ Storm Detention System
- ☐ Storm Subsurface Infiltration Plumbing
- ☐ Water Distribution System*
- ☐ Water Reuse - Blackwater
- ☐ Water Reuse - Clearwater
- ☐ Water Reuse – Graywater
- ☐ Water Reuse – Stormwater
- ☐ Water Service*
- ☐ Water Treatment – .5 Chlorine
- ☐ Water Treatment – Chloramine
- ☐ Water Treatment – Chlorine Dioxide
- ☐ Water Treatment – Silver/Copper
- ☐ Water Treatment – Thermal
- ☐ Water Treatment – Ultrafiltration
- ☐ Water Treatment – Ultraviolet System
- ☐ Water Treatment – Ultrafiltration
- ☐ Water Treatment – Ultraviolet System
- ☐ Alternate Vacuum Waste System

** Permission to Start is acceptable for this plumbing equipment. See Section 3 for more information.*

*** See Section 4 for more information.*

****** Note *** Interior Cross Connection Control Assembly, Non-Health Care and Exterior Cross Connection Control Assembly, Non-Health Care Devices and Assemblies are no longer included in plumbing plan review submittals. These Devices and Assemblies are required to be registered and tested and submitted to the Department per SPS 382.22(8).***

Section 2. PLUMBING PLAN SUBMITTAL DOCUMENTS

Plumbing plan submittal documents have two categories. Subsection 1 is the plumbing plan requirements. Subsection 2 is all other documents to be submitted in the application. Check all that are applicable.

1. PLUMBING PLAN REQUIREMENTS: Check all that are applicable.

☒ Plan Index

☒ Site-Specific Plan

- Plan must show the locations, sizes, and slopes of all sanitary sewers, storm sewers (including the roof drain system), and water service piping within the property lines.
- GPM flow rates and maximum capacity are labeled next to each pipe size and slope. Include all pipe sizes and discharge rates.
- Site grade run off plans and contour lines showing what is drained to the plumbing system
- Geotechnical reports must not be included in the Site-Specific Plan.

☒ Floor Plan

- Plan must include complete plumbing floor plans for each floor, must show all sizes and locations of horizonal drains, water distribution lines, fixtures, and equipment to be installed.
- Remodeling or additions shall include existing loads.
- See additional requirements on the Water Reuse Checklist, if applicable.

☒ Isometric Diagrams

- 30°/60° isometric diagrams of the drain, vent, water distribution, and interior storm systems.
- Indicate water supply, drainage fixture units, and storm area drainage with gpm loads with each change in pipe diameter.

☒ Roof Plan

- Include elevations of parapets walls, sizes of scuppers and/or secondary overflow drain systems per IBC 1611.3.

☒ General Requirements for All Plans

- All plans must be properly signed per SPS 382.20(4)(c).
- Fixtures, appliances, or equipment may need product approval.
- Cut sheets, shop drawings or specifications of plumbing fixtures
- Provide product approval letters for each health care appliance - https://esla.wi.gov/publiclookup
- List fixture and appliance manufacturers and model numbers.
- Complete sizing calculations for all grease interceptors.
- Identify specific materials for installations as listed in SPS 384
- Plumbing specifications and other pertinent documents (can be submitted under Subsection 2)

☒ Stormwater and Clearwater Plumbing Systems Specific Requirements per SPS 382.36

- Calculations showing all systems upstream of detention are designed, at a minimum to pass the 10-year, 24-hour storm event.
- Calculations conforming to the requirements of SPS 382.36(5) included showing all plumbing systems downstream of detention features are designed to pass the design discharge flow from detention and all additional flows.
- Volume calculations for the 2-year, 24-hour storm and the 100-year, 24-hour storm included showing not damage to property.
- An Operation and Maintenance Plan is included that contains all the required information outlined in SPS 382.36(13).
- Calculations showing 72-hour drain down time for dry detention systems for the design storm event per SPS 382.36(6)(g)1.
- Calculations showing maximum 6-inch stormwater depth for the design storm event on paved surfaces per SPS 382.36(6)(g)2.
- Calculations showing surface ponding will drain within 24 hours after the design storm event per SPS 382.36(6)(g)3.

☒ Stormwater and Clearwater Subsurface Infiltration Plumbing Systems Requirements per SPS 382.365

- A site and soil evaluation must be included in accordance with the requirements in SPS 385.40(3)(a) and 385.30 (1)(c).
- Soil Evaluation - Storm (SBD-10793) form signed by the CST/PSS have been completed for all proposed subsurface infiltration areas and are included with a signed site map. Form available at: https://dsps.wi.gov/Documents/Programs/Plumbing/SBD10793.pdf
- Soil profile evaluations used to determine soil application rates shall be conducted using soil pits per SPS 385.20(2)(c)1.
- Soil profile evaluations used to determine or identify soil horizon depths, soil color, soil texture, redoximorphic feature colors or depth to groundwater or bedrock shall be conducted using either soil pits or soil borings per SPS 385.20(2)(c)2.
- Soil pits elevations reported on form SBD-10793 correspond with the elevations shown on the "Site Specific Plan."
- Calculations demonstrating groundwater mounding will not impact system performance when the width of the system exceeds 15 feet.
- Calculations showing subsurface drainage system will drain down within 72 hours after a storm event and surface ponding will drain down within 24 hours after a storm event.
- Details with section views of infiltration systems included showing elevations of all critical components.
- Documentation showing the influent quality complies with the requirements in Table 382.70-1 for subsurface infiltration and irrigation.
- Laboratory test results or other documentation included that demonstrates that stormwater collected on-site for use in an on-site plumbing system meets or will be treated to the minimum requirements listed in Table 382.70-1 for its intended use.

2. ADDITIONAL SUBMITTAL REQUIREMENTS: Check all that are applicable.

☐ Complete water calculations per SPS 382.40(7). **Indicate the plan page number(s) water calculations are located:** _____

☒ **Submit water calculations separately if not located on the plans.** Links below for instructions and form.

https://dsps.wi.gov/Documents/Programs/Plumbing/SBD6479Instructions.pdf

https://dsps.wi.gov/Documents/Programs/Plumbing/SBD6479.pdf

Section 3. OPTIONAL SERVICE-PERMISSION TO START

Alternate Approval at: https://dsps.my.salesforce.com/sfc/p/#t0000000LAz5/a/8y000002Ct0n/aMClO5babl0ysuhGm0P3mRkttza4RB5xZjV_qYIj6N0

As specified within the Alternate Approval, a submittal of a complete set of plans is required to utilize the permission to start.

Scope of installations are limited to below grade only and a maximum of 18-inches above floor.

Plumbing equipment requested to the right must also be checked in Section 1.

Request is for the following specific plumbing equipment installations:

- ☐ Building Sewer, Sanitary;
- ☒ Private Interceptor Main Sewer, Sanitary;
- ☐ Private Interceptor Main Sewer, Storm;
- ☒ Building Sewer, Storm;
- ☐ Water Service;
- ☐ Private Water Main;
- ☐ Building Drain & Vent, Sanitary;
- ☐ Building Drain & Vent, Storm;
- ☐ Water Distribution System

As the building owner, I request to begin plumbing installations prior to plan review approval I agree to make any changes required after plans have been reviewed, and to remove or replace any non-code complying construction and make revisions to plans on any changes. I will not permit any installation to exceed 18 inches above the unexcavated floor.

Building Owner's Signature

5-8-2025
Date

Section 4. OPTIONAL SIZING OF WATER SUPPLY PIPING USING THE IAPMO WATER DEMAND CALCULATOR (WDC)

Alternate Approval at:
https://dsps.my.salesforce.com/sfc/p/#t0000000LAz5/a/8y000004t1kG/h62oQttBGrkNbyAB2wU1XneBnVcRwHSmw0_TTTASPGY

As the applicant, I am requesting to use the *IAMPO Water Demand Calculator v. 2.2* for sizing the water supply piping in accordance with SPS 382.40(7) outlined in the alternate approval. I understand this alternate standard provides a method for estimating the demand load for the building water supply and principal branches for one- and two-family dwellings as specified in s. SPS 320.02(1)(a), (ce), (cm), or (cs) Wis. Adm. Code and nonpublic multiple dwellings, as defined by s. SPS 381.01(155) and (162) Wis. Adm. Code, with water conserving plumbing fixtures, fixture fittings and appliances.

The applicant acknowledges the following items:

1. Review and include a copy of the DSPS approval PP-031603529-PTOAA letter with the IAPMO WDC submittal.
2. Provide verbiage for a sign or posting with permanent tagging at the building control valve and water heater control valve to identify the specific IAPMO Water Demand Calculator Sizing system.
3. Provide IAPMO WDC calculations for each piece of distribution piping using the IAPMO WDC sizing method.
4. All piping sized using the IAPMO WDC alternative shall display bold, underlined and italicized GPM loads on the isometric plan sheets.
5. WSFUs shall not be combined with WDC GPM's (mains or vertical risers); therefore, provide actual fixture GPMs loads for each non WDC fixture, if adding to the WDC method distribution system. Separate water distribution piping systems may use Wis Code SPS 382.40(7) WSFU's provided they are connected upstream of the beginning of any IAMPO WDC system method sizing piping.
6. Water distribution piping ½" or ¾" in diameter serving plumbing fixtures shall not have a load greater than those assessed per pressure available for uniform loss ("A" value) in Tables SPS 382.40 4-11 Wis. Adm. Code and tables for ASTM D1785 and ASTM F441 in the appendix.
7. All fixtures and replacement fixtures shall be at or below the designed fixture flow rates and shall be Energy Star rated for the IAPMO Water Demand Calculator Sizing system. Provide fixture cut sheets with low flow & energy star certification with the IAPMO submittal.
8. Water supply piping shall be sized and installed in strict accordance with IAMPO Water Demand Calculator v. 2.2, Chapters 381-386 Wis. Adm. Code and the alternate approval.

Applicant's Signature

Date

Section 5. ATTESTATION

Applicant acknowledges that the submittal is complete and accurate.

Applicant acknowledges that any additional application or submittal information requested must be received by the Department within five (5) business days or the plan is subject to denial. Applicant further acknowledges that any additional plan review information requested must be received by the Department within fifteen (15) business days or the plan is subject to denial.

Include this form with the plan review application separately from the plan documents.

Jordan Nolle

Applicant's Signature

5/9/2025

Date

Area Method Worksheet for Storm Sewer Design

G&G Kaukauna

Last Updated: 5/5/2025

			Structures		Design Information								Pipe Information			
Length	Upstream Elevation	Downstream Elevation	Upstream Structure	Downstream Structure	Drainage Area	Design Storm	Roof Area	Pavement Area	Lawn Area	Direct Runoff	Other Runoff	Design Runoff	Storm Sewer Size	Storm Sewer Material	Slope of Storm Sewer (ft/ft)	Pipe Capacity Flowing Full
ft					Acres	Yr	Acres	Acres	Acres	GPM	GPM	GPM	in.		ft/ft	GPM
25.1	700.89	700.74	RD 1	RD 2	0.123	10	0.123	0.000	0.000	206.07	0.00	206.07	6	PVC	0.0060	230.53
24.8	700.74	700.59	RD 2	RD 3	0.103	10	0.103	0.000	0.000	172.56	206.07	378.64	8	PVC	0.0060	496.47
24.9	700.59	700.44	RD 3	RD 4	0.103	10	0.103	0.000	0.000	172.56	378.64	551.20	10	PVC	0.0060	900.16
25.2	700.44	700.29	RD 4	RD 5	0.104	10	0.104	0.000	0.000	174.24	551.20	725.44	10	PVC	0.0060	900.16
25.1	700.29	700.14	RD 5	RD 6	0.104	10	0.104	0.000	0.000	174.24	725.44	899.68	12	HDPE	0.0060	1463.76
9.9	700.14	700.08	RD 6	TEE IN	0.114	10	0.114	0.000	0.000	190.99	899.68	1090.68	12	HDPE	0.0060	1463.76
77.1	701.56	700.08	EXISTING TRENCH DRAIN	TEE IN	0.023	10	0.000	0.023	0.000	30.83	0.00	30.83	6	PVC	0.0192	412.70
8.1	700.08	700.03	TEE IN	MH 1	0.131	10	0.131	0.000	0.000	219.48	1121.50	1340.98	12	HDPE	0.0060	1463.76

Assumptions:
1) Peak flow of stormwater was calculated using the 'Area method' as described in **SPS 382.36(5)(a)1**.
2) When calculating stormwater peak flow, the drainage area to each pipe run was divided by the described divisors in **SPS 382.36(5)(a)1.** For roofs the divisor is 26 sf/gpm. For paved or graveled ground surfaces the divisor is 32.5 sf/gpm. For lawns, parks, and similar land surfaces the divisor is 104 sf/gpm.
5) Pipe Capacity flowing flow was calculated using Manning's Equation
6) Manning's n-value = 0.011 for PVC and HDPE pipe

Area Method Worksheet for Storm Sewer Design

24.46
117.83
348.96
174.72
564.08
373.09
381.88
122.79

EROSION CONTROL AND STORMWATER MANAGEMENT PERMIT APPLICATION

Applicant Information			
Applicant Name (Indiv., Org. or Entity) Jordan Nolle	Authorized Representative	Title Project Engineer	
Mailing Address 1400 Lombardi Ave #101s	City Green Bay	State WI	Postal Code 54304
E-mail Address jnolle@ruekert-mielke.com	Telephone (include area code) 920-883-1161	Fax (include area code)	
Landowner Information (if different than Applicant)			
Name (Organization or Entity) R&M Investments	Contact Person Mark Stumpf	Title Owner	
Mailing Address 1801 Progress Way	City Kaukauna	State WI	Postal Code
E-mail Address mark@ggmachiniwi.com	Telephone (include area code) 920 766 9788	Fax (include area code)	
Other Contact Information (check one): ■ Engineer / Consultant ☐ Contractor / Builder ☐ Agent / Other			
Name (Organization or Entity) Ruekert and Mielke	Contact Person Jordan Nolle	Telephone (include area code) 920-883-1161	
Mailing Address 1400 Lombardi Ave #101s	City Green Bay	State WI	Postal Code

Project or Site Location	
Site Name (Project): G&G Kaukauna	Parcel Numbers: 322098900
Address / Location: 2801 Progress Way, Kaukauna, WI 54130	Plat / CSM / Lot No.: CSM 8488 LOT 1 & PARCEL 318 TPP NO: 1130-63-21-4.22

Permit Type & Fees (check all that apply)

■ Erosion Control < 1 acre or 43,560 sq.ft. Disturbed Area (EC1) ☐ Stormwater Management < 20,000 sq.ft. Impervious Area (SM1)

☐ Erosion Control ≥ 1 acre or 43,560 sq.ft. Disturbed Area (EC2) ☐ Stormwater Management ≥ 20,000 sq.ft. Impervious Area (SM2)

Total Disturbed Area	10335	sq.ft. x $0.0002 / sq.ft. (EC2) = $	2.07
New Impervious Area	9194	sq.ft. x $0.0025 / sq.ft. (SM2) = $	22.98
		Base Fee: $200 (EC1), $250 (EC2), $200 (SM1), $500 (SM2) = $	200
		Total Application Fee = $	
Duration of Land Disturbance		weeks x $25 / week (EC1, EC2) = $	
Start Date		Base Fee: $250 (EC2), $500 (SM2) = $	0
End Date		**Total Inspection Fee = $**	
		TOTAL PERMIT FEE (Application Fee + Inspection Fee) = $	

Certification & Permission

Certification: I hereby certify that I am the landowner of the property which is the subject of this Permit Application. I certify that the information contained in this form and attachments is true and accurate. I understand that failure to comply with any or all of the provisions of the ordinances and/or permit may result in notices, fines / forfeitures, stop work orders, permit revocation, and cease & desist orders.

Permission: As landowner of the property, I hereby give the Director of Public Works or designee, permission to enter and inspect the property to evaluate this permit application, determine compliance with ordinances, and perform corrective actions after issuing proper notice to the landowner.

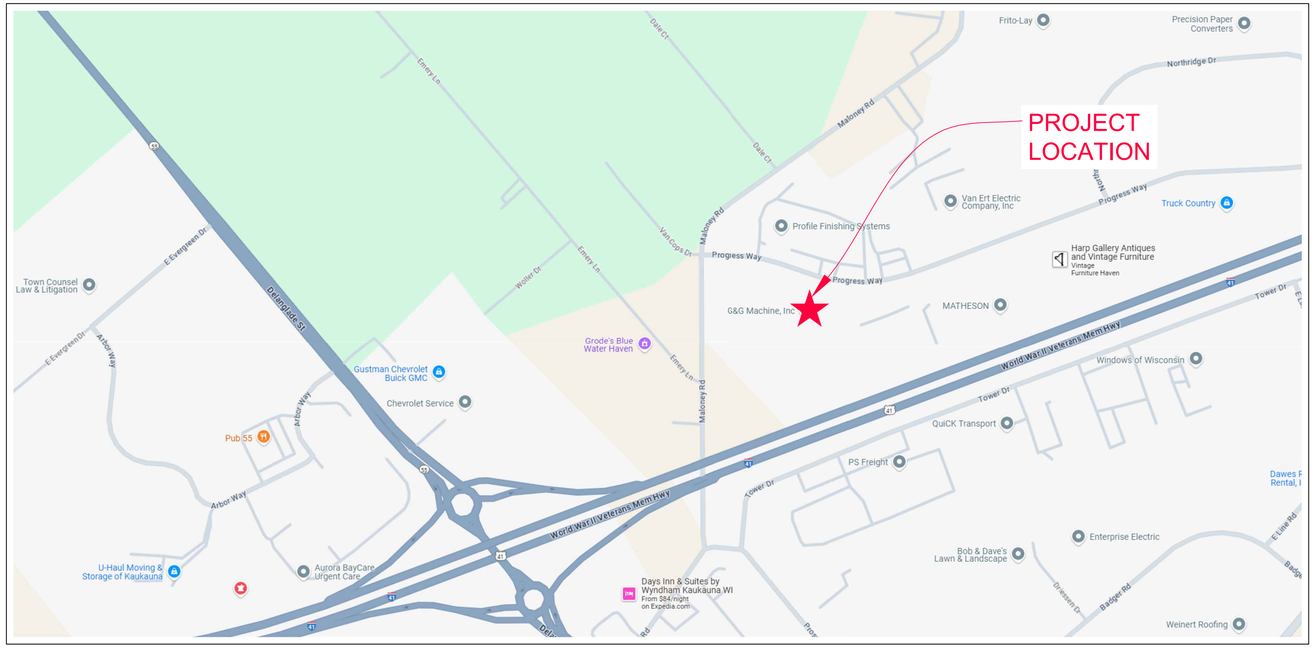
Applicant Signature Jordan Nolle	Date Signed 5/8/2025
Landowner Signature (required)	Date Signed 5-8-2025

LEAVE BLANK – FOR MUNICIPAL USE ONLY

Date Application Received:	Fee Received $	Receipt No:
Construction Site ID / Permit No:	Date Issued:	Issued By:

PLEASE CONTACT CITY OF KAUKAUNA ENGINEERING DEPARTMENT AT 920-766-6305 WITH QUESTIONS.

G&G MACHINE, INC.
CITY OF KAUKANA
OUTAGAMIE COUNTY
WISCONSIN



LOCATION MAP IS NOT TO SCALE

SHEET INDEX

SHEET NO.	DESCRIPTION
C1.0	COVER SHEET
C2.0	GENERAL NOTES
C3.0	EXISTING CONDITIONS
C4.0	EROSION CONTROL PLAN
C5.0	SITE AND UTILITY PLAN
C6.0	GRADING PLAN
C7.0 - ####	CONSTRUCTION DETAILS

ORIGINAL PLAN SET
IS IN COLOR

Ruekert • Mielke
Waukesha • Kenosha • Madison
Global Water Center • Fox Valley
www.ruekertmielke.com

RUEKERT/MIELKE TAKES NO RESPONSIBILITY FOR ANY UNDERGROUND STRUCTURES OR BURIED MATERIALS SUCH AS, BUT NOT LIMITED TO, FOUNDATIONS, WELLS, SEPTIC, HOLDING TANKS, UTILITIES, HAZARDOUS MATERIALS, OR ANY OTHER ITEMS OF WHICH NO EVIDENCE CAN BE FOUND ON THE SURFACE BY A REASONABLE INSPECTION.

PURSUANT TO WISCONSIN STATUTE 182.0175, AVAILABLE DATA ON UNDERGROUND STRUCTURES, CONDUIT AND PIPES HAS BEEN SHOWN ON THIS MAP. THE LOCATIONS SHOWN HAVE BEEN COMPILED FROM A COMBINATION OF EXISTING UTILITY MAPS AND MARKINGS PLACED IN THE FIELD FOR THE VARIOUS FACILITIES BY "DIGGERS HOTLINE" (TICKET NO. 20251100875) SHALL NOT BE TAKEN AS CONCLUSIVE. FIELD VERIFICATION SHALL BE REQUIRED BEFORE ANY EXCAVATION.

SITE:
G&G MACHINE, INC.
1801 PROGRESS WAY
KAUKANUNA, WI 54130

ENGINEER:
RUEKERT-MIELKE INC.
1400 LOMBARDI AVE, GREEN BAY, WI

R & M PROJECT #8341-10203.200
PROJECT MANAGER: COLIN MEISEL, PE
PHONE: (920) 876-6382

COVER SHEET

"ISSUED NOT FOR CONSTRUCTION"

Keller
PLANNERS | ARCHITECTS | BUILDERS

FOX CITIES
N216 State Road 55
P.O. Box 620
Kaukauna, WI 54130
Phone (920)766-5795
1-800-236-2534
Fax (920)766-5004

MADISON
3308 Nursery Drive
Middleton, WI 53562
Phone (608)445-2245

MILWAUKEE
W204 N11509
Goldendale Rd
Germantown, WI 53022
Phone (262)250-9710
1-800-236-2534
Fax (262)250-9740

WAUSAU
5605 Lilac Ave
Wausau, WI 54401
Phone (715)849-3141
Fax (715)849-3181

www.kellerbuilds.com

PROPOSED FOR:
G&G MACHINE, INC.
1801 PROGRESS WAY, KAUKAUNA WISCONSIN, 54130

REVISIONS

PROJECT MANAGER: ------
DESIGNER: C. MEISEL
DRAWN BY: G. DEPREY
EXPEDITOR: ------
SUPERVISOR: ------
PRELIMINARY NO: ------
CONTRACT NO: ------
DATE: --/--/2025
SHEET: C1.0

GENERAL NOTES:

1. CONTRACTOR TO CONTACT DIGGERS HOTLINE FOR UTILITY LOCATES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY WITH UTILITY COMPANIES IF UTILITY COMPANY'S STAFF IS REQUIRED TO BE ON SITE WHEN CONSTRUCTION ACTIVITIES ARE NEAR UTILITY FACILITIES.
2. LOCATION OF ALL STRUCTURES, OBSTACLES, AND EXISTING FACILITIES SHOWN SHALL NOT BE TAKEN AS CONCLUSIVE. CONTRACTOR SHALL VERIFY LOCATIONS AS A CONDITION OF THEIR BID AND BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM THEIR ACTIVITIES.
3. CONTRACTOR SHALL TAKE CARE WHEN EXCAVATING AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVERAGE REQUIREMENTS WITH UTILITY COMPANIES.
4. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE BEEN OBTAINED FROM AVAILABLE RESOURCES FOR FIELD LOCATES. THERE MAY BE ADDITIONAL UTILITIES NOT SHOWN. CONTRACTOR IS REQUIRED TO VERIFY LOCATION OF EXISTING UTILITIES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO CARRY OUT THEIR WORK, UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL PROVIDE STAKING AS NECESSARY TO LAYOUT AND PROVIDE GRADES FOR ANY SECTION OF THE WORK.
7. A COMPETENT REPRESENTATIVE WHO HAS AUTHORITY TO ACT FOR THE CONTRACTOR MUST BE AT THE SITE AT ALL TIMES.
8. STAGING AND MATERIAL STORAGE AREAS SHALL BE COORDINATED WITH THE OWNER AND SHALL BE DONE IN A MANNER TO AVOID INTERFERENCE WITH THE OWNER'S ACTIVITIES.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING PROPERTY CORNERS AND SURVEY MONUMENTS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR BARRICADING AREAS OF CONSTRUCTION TO PROTECT AGAINST PERSONAL INJURY.
11. EXISTING FACILITIES TO REMAIN INCLUDING PAVEMENT, SIDEWALKS, BUILDINGS, LANDSCAPING AND TREES SHALL BE PROTECTED DURING CONSTRUCTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THEIR WORK FROM ALL DAMAGE INCLUDING THE PUBLIC, OTHER CONTRACTORS, AND THE ENVIRONMENT.
13. EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED BY THE OWNER.

UTILITIES AND STORM SEWER:

1. ALL EXISTING SURFACE INFRASTRUCTURE INCLUDING HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEMS, AND UTILITY PEDESTALS ARE REQUIRED TO BE ADJUSTED TO PROPOSED GRADE BY CONTRACTOR.
2. WHERE NOT IDENTIFIED IN THE CIVIL SPECIFICATION MANUAL, UTILITY MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL STANDARDS AND SPECIFICATIONS FOR UTILITY COMPANIES HAVING JURISDICTION.
3. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES AND CONDUITS TO AVOID CONFLICTS AND TO PROVIDE MINIMUM REQUIRED DEPTHS OF COVER. ADDITIONAL BENDS AND ASSOCIATED MATERIALS ARE TO BE INSTALLED AS REQUIRED FOR WATER MAINS AND LATERALS.
4. ALL STORM AND SANITARY SEWER PIPES AND STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT CIVIL SPECIFICATIONS MANUAL AND SUPPLEMENTAL PLAN NOTES HEREIN.
5. STORM SEWER STRUCTURES SHALL BE PRECAST CONCRETE AND THE SIZE AS NOTED ON THE PLANS.
6. TRENCHES SHALL BE BACKFILLED WITH CRUSHED STONE BEDDING WITHIN 1:1 OF PAVEMENT AREAS AND WITH SPOIL IN LANDSCAPING AREAS.
7. STORM SEWER 8-INCHES OR SMALLER CONNECTED TO MAINS OR LATERALS SHALL BE PLACED HORIZONTALLY AT THE SPRING LINE OF THE PIPE WITH A WATER TIGHT CONNECTION.
8. CONNECTIONS TO EXISTING MANHOLES SHALL BE CORED AND A WATER TIGHT SEAL PROVIDED.
9. TRACER WIRE OR OTHER MEANS OF LOCATING UNDERGROUND PIPES SHALL BE INSTALLED ON ALL PIPING PER THE PROJECT CIVIL SPECIFICATIONS MANUAL.
10. ALL DIMENSIONS ARE TO THE CENTERLINE OF UTILITIES AND STRUCTURES.

EROSION CONTROL:

1. CONSTRUCTION ACTIVITIES SHALL NOT COMMENCE UNTIL EROSION CONTROL DEVICES HAVE BEEN INSTALLED.
2. EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO WDNR BEST MANAGEMENT PRACTICES AND THE CIVIL SPECIFICATIONS MANUAL.
3. EXISTING LANDSCAPING AND TREES TO REMAIN SHALL BE PRUNED TO REMOVE LOW HANGING, BROKEN, AND UNDESIRABLE GROWTH TO ENSURE HEALTHY AND SYMMETRICAL NEW GROWTH.
4. ALL AREAS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE PREPARED FOR GRASS SEED BY LOOSENING RUTS AND WORKING THE SOIL AREAS TO A MINIMUM OF 6-INCHES PRIOR TO THE FINE GRADING AND SEEDING. AREAS SHALL HAVE A MINIMUM OF 4-INCHES OF TOPSOIL PLACED, SEEDED, AND MULCHED UNLESS OTHERWISE INDICATED.
5. INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DONE BY CONTRACTOR ONCE PER WEEK AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 1/2-INCH OR GREATER. EROSION CONTROL REPORTS WILL BE SENT TO EROSIONCONTROL@GREENBAYWI.GOV
6. CONTRACTOR SHALL REPAIR DEFICIENT EROSION AND SEDIMENT CONTROL MEASURES WITHIN 24-HOURS AFTER INSPECTION. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES NOT SHOWN ON THIS PLAN MAY BE NECESSARY AS A RESULT OF CONSTRUCTION PRACTICES OR AS DIRECTED BY OWNER AND/OR ENGINEER.
7. CONTRACTOR SHALL NOTIFY AND OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER OF PROPOSED CHANGES TO THE EROSION CONTROL PLAN AND/OR SEQUENCE PRIOR TO IMPLEMENTING THE CHANGE.
8. EXCESS MATERIAL THAT IS HAULED OFF SITE SHALL BE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL OBTAIN PROPER PERMIT APPROVALS FOR EACH FILL SITE. EROSION AND SEDIMENT CONTROL MEASURES, RESTORATION, AND STABILIZATION AT FILL SITE IS CONTRACTOR'S RESPONSIBILITY. CONTRACTOR TO NOTIFY OWNER OF ALL FILL AND BORROW SITES.
9. CONTRACTOR SHALL SWEEP STREETS ADJACENT TO PROJECT AS NEEDED.
10. ALL INSTALLATION, MAINTENANCE, AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE WDNR TECHNICAL STANDARDS.
11. IF DEWATERING IS NECESSARY, CONTRACTOR SHALL PROVIDE PROPER DEWATERING SEDIMENT CONTROL DEVICES. DISCHARGE OF SEDIMENT LADEN WATER TO THE STORM OR SURFACE WATER IS PROHIBITED.
12. STABILIZE NEWLY GRADED AREAS WITHIN 3 DAYS OF BEING INACTIVE.
13. REMOVE EROSION AND SEDIMENT CONTROL DEVICES AFTER 80% OF VEGETATION HAS BEEN ESTABLISHED IN RESTORED AREAS.

GRADING AND PAVING:

1. ALL SITE CONSTRUCTION INCLUDING GRADING, EXCAVATION, AND PAVEMENT CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE CORRESPONDING PROJECT CIVIL SPECIFICATIONS MANUAL AND SUPPLEMENTAL PLAN NOTES HEREIN.
2. CONTRACTOR SHALL STRIP AND REMOVE TOPSOIL AND ORGANIC MATERIALS FOUND WITH THE SITE IN ACCORDANCE WITH THE PROJECT CIVIL SPECIFICATIONS. LANDSCAPING AREAS SHALL BE GRADED LOW TO ALLOW FOR TOPSOIL PLACEMENT.
3. ALL MATERIAL TESTING SHALL CONFORM TO THE PROJECT CIVIL SPECIFICATIONS. RETESTING AND CORRECTION OF FAILING MATERIAL SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.
4. SUBGRADE SHALL BE COMPACTED PRIOR TO PLACEMENT OF BASE AGGREGATE AS REQUIRED IN THE STANDARD SPECIFICATIONS. SUBGRADE SHALL BE PROOF ROLLED PRIOR TO PLACEMENT OF BASE COURSE. AREAS IDENTIFIED AS SOFT AND YIELDING SHALL BE IDENTIFIED FOR REMOVAL PRIOR TO PLACEMENT OF BASE AGGREGATE.
5. BACKFILL AND FILL MATERIALS SHALL BE PLACED IN LAYERS NOT MORE THAN 8-INCHES LOOSE IF COMPACTED WITH HEAVY EQUIPMENT AND NOT MORE THAN 4-INCHES LOOSE IF COMPACTED BY HAND EQUIPMENT.
6. ACCESSIBLE ROUTES AND HANDICAP PARKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH ADA STANDARDS.
7. ALL CONCRETE FLATWORK SHALL HAVE A LIGHT BROOMED FINISH.
8. EXTERIOR CONCRETE SHALL BE SEPARATED FROM BUILDINGS WITH A CONTINUOUS 0.5-INCH FIBER EXPANSION JOINT.
9. TWO PAINT COATS SHALL BE APPLIED ON NEW PAVEMENT. THE FIRST COAT SHALL BE AFTER PAVING OPERATIONS HAVE BEEN COMPLETED. THE SECOND COAT SHALL BE APPLIED 30 CALENDAR DAYS AFTER PAVING HAS BEEN COMPLETED.
10. ELEVATIONS ARE TO FLANGE.

LEGEND – CIVIL ENGINEERING DRAWINGS

CONTROL
- BENCHMARK
- CHIS — CHISELED MARK
- CP — CONTROL POINT
- IP — IRON PIPE (GENERIC)
- IP — IRON PIPE (1" DIA)
- IP — IRON PIPE (2" DIA)
- IP SET — IRON PIPE SET
- IR — IRON ROD (GENERIC)
- IP — IRON ROD (3/4" DIA)
- IP — IRON ROD (1 1/4" DIA)
- MONUMENT
- NAIL — NAIL
- PM — PAINT MARK
- PK — PK NAIL
- RX — RAILROAD SPIKE
- RTIE — REFERENCE TIE
- SECTION CORNER
- SIXT — SECTION CORNER MONUMENT
- TCP — TEMPORARY CONTROL POINT
- USGS — USGS MONUMENT

GROUND
- WZ 000.00 — WATER ELEVATION
- WETLANDS (SURVEYED LOCATION)
- CROPFIELD
- DITCH
- GUARD RAIL
- TOE OF SLOPE
- TOP OF BANK
- WETLAND BOUNDARY

EROSION CONTROL
- PROPOSED DITCH CHECK
- PROPOSED EROSION LOGS/EROSION WADDLES
- A — PROPOSED INLET PROTECTION TYPE A
- B — PROPOSED INLET PROTECTION TYPE B
- C — PROPOSED INLET PROTECTION TYPE C
- D — PROPOSED INLET PROTECTION TYPE D
- PROPOSED BARRIER FENCE
- PROPOSED SILT FENCE
- PROPOSED EROSION MAT
- PROPOSED RIP RAP
- PROPOSED TRACKING PAD

SANITARY SEWER
- SAN — SANITARY MANHOLE
- SEPTIC — SEPTIC SYSTEM
- SEPC — SEPTIC TANK COVER
- SEPV — SEPTIC VENT
- 7" SAN SWR — SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY RISER
- PROPOSED SANITARY LATERAL
- PROPOSED SANITARY SEWER

STORM SEWER
- STORM CATCH BASIN
- STORM FIELD INLET
- STORM INLET
- STORM MANHOLE
- STORM YARD DRAIN
- ? STO SWR — STORM SEWER
- CULVERT (SIZE & TYPE NOTED)
- PROPOSED STORM INL/CB
- PROPOSED STORM MANHOLE
- PROPOSED STORM LATERAL
- PROPOSED STORM SEWER

GENERAL
- A/C — AIR CONDITIONER
- CO — CLEAN OUT
- DP — DELINEATOR POST
- FP — FLAG POLE
- HANDHOLE — GENERIC HAND HOLE
- GENERIC MANHOLE
- GENERIC METER
- GENERIC PEDESTAL
- VLV — GENERIC VALVE
- VENT — GENERIC VENT
- GUY POLE — GUY POLE
- GUY — GUY WIRE
- LIGHT POLE
- MB — MAIL BOX
- MP — MARKER POST
- MWEL — MONITORING WELL
- PILE — PILING
- P — POST
- REVISION LABEL
- SOIL BORING
- UTILITY POLE
- YARD LIGHT

UTILITIES
- CB — CABLE BOX
- CABLE MANHOLE
- C — UNDERGROUND TV CABLE
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- EP — ELECTRIC PAD
- ELECTRIC TRANFORMER
- POWER POLE
- E — UNDERGROUND ELECTRIC
- E — PROPOSED UNDERGROUND ELECTRIC
- PROPOSED UNDERGROUND ELECTRIC
- GAS CURB STOP
- GAS MANHOLE
- G — GAS METER
- GTST — GAS TEST STATION
- GAS VALVE
- GVT — GAS VALVE TEST
- GAS VENT — GAS VENT
- G — UNDERGROUND GAS MAIN
- G — PROPOSED UNDERGROUND GAS MAIN
- TELEPHONE BOX
- TELEPHONE MANHOLE
- T — UNDERGROUND TELEPHONE
- FO — UNDERGROUND FIBER OPTIC
- FO — PROPOSED UNDERGROUND FIBER OPTIC

LANDSCAPE
- CONIFEROUS MULTIPLE TRUNK TREE
- CONIFEROUS TREE
- DECIDUOUS TREE
- DECIDUOUS MULTIPLE TRUNK TREE
- DECORATIVE ROCK
- STUMP
- EDGE OF PLANTER/LANDSCAPE BED
- EDGE OF TREES & BRUSH
- X — X — FENCE

RAILROAD
- RRSB — RAILROAD SIGNAL BOX
- RAILROAD SIGNAL FLASHER
- RX — RAILROAD SPIKE
- RAILROAD TRACKS

TRAFFIC SIGNAL
- CONTROL BOX/LIGHTING CABINET
- PULL BOX
- TRAFFIC SIGNAL
- LD — UNDERGROUND LOOP DETECTOR

WATER MAIN
- EXISTING HYDRANT
- EXISTING LOCATOR BOX
- EXISTING SPRINKLER HEAD
- EXISTING WATER CURB STOP
- EXISTING WATER MAIN BEND
- EXISTING WATER MAIN CROSS
- EXISTING WATER MAIN OFFSET
- EXISTING WATER MAIN PLUG
- EXISTING WATER MAIN PLUG W/ AIR RELEASE
- EXISTING WATER MAIN REDUCER
- EXISTING WATER VALVE
- EXISTING WATER VALVE MANHOLE
- WELL — EXISTING WELL
- EXISTING YARD HYDRANT
- ? WM — EXISTING WATER MAIN
- EXISTING WATER SERVICE
- PROPOSED CURB STOP
- PROPOSED HYDRANT
- PROPOSED LOCATOR BOX
- PROPOSED WATER MAIN BEND (ANGLE NOTED)
- PROPOSED WATER MAIN CROSS
- PROPOSED WATER MAIN OFFSET
- PROPOSED WATER MAIN PLUG
- PROPOSED WATER MAIN PLUG W/AIR RELEASE
- PROPOSED WATER MAIN REDUCER
- PROPOSED WATER MAIN TEE
- PROPOSED WATER VALVE
- PROPOSED WATER VALVE MANHOLE
- PROPOSED YARD HYDRANT
- PROPOSED WATER MAIN
- PROPOSED WATER SERVICE

PAVEMENT
- EXISTING SIGN
- EDGE OF ASPHALT PAVEMENT
- EDGE OF GRAVEL PAVEMENT
- EDGE OF CONCRETE PAVEMENT
- PROPOSED DETECTABLE WARNING FIELD
- PROPOSED SIGN
- PROPOSED EDGE OF ASPHALT PAVEMENT
- PROPOSED EDGE OF CONCRETE PAVEMENT
- PROPOSED EDGE OF GRAVEL PAVEMENT
- PROPOSED SLOPE INTERCEPT

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EXPEDITOR:
SUPERVISOR:
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DIGGERS HOTLINE
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

GENERAL NOTES

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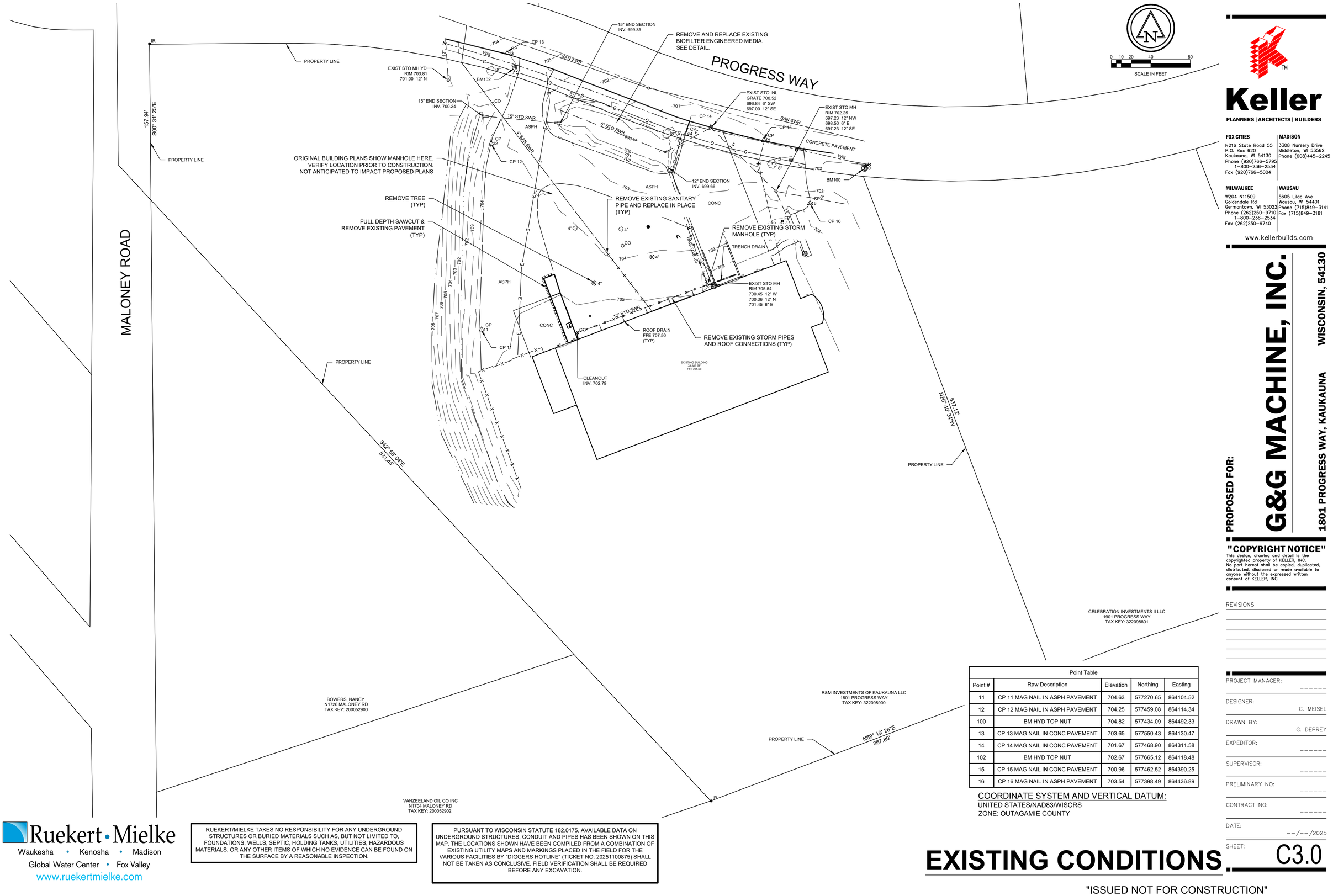

Point Table				
Point #	Raw Description	Elevation	Northing	Easting
11	CP 11 MAG NAIL IN ASPH PAVEMENT	704.63	577270.65	864104.52
12	CP 12 MAG NAIL IN ASPH PAVEMENT	704.25	577459.08	864114.34
100	BM HYD TOP NUT	704.82	577434.09	864492.33
13	CP 13 MAG NAIL IN CONC PAVEMENT	703.65	577550.43	864130.47
14	CP 14 MAG NAIL IN CONC PAVEMENT	701.67	577468.90	864311.58
102	BM HYD TOP NUT	702.67	577665.12	864118.48
15	CP 15 MAG NAIL IN CONC PAVEMENT	700.96	577462.52	864390.25
16	CP 16 MAG NAIL IN ASPH PAVEMENT	703.54	577398.49	864436.89

COORDINATE SYSTEM AND VERTICAL DATUM:
UNITED STATES/NAD83/WISCRS
ZONE: OUTAGAMIE COUNTY

EXISTING CONDITIONS

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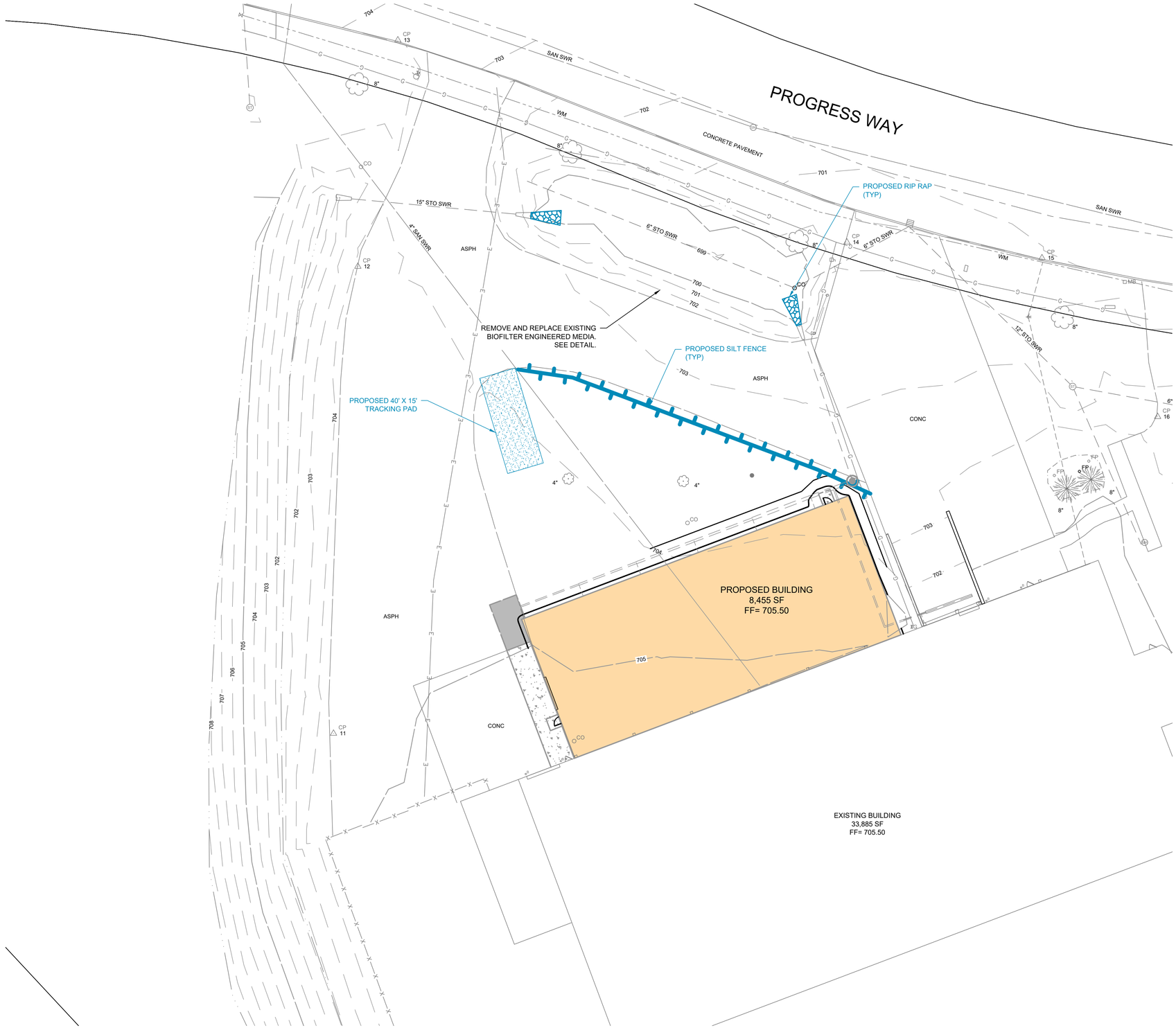

0 10 20 40

SCALE IN FEET

EROSION CONTROL

- PROPOSED INLET PROTECTION TYPE B
- PROPOSED SILT FENCE
- PROPOSED TRACKING PAD

NOTES:

1. ESTIMATED AREA OF DISTURBANCE: 0.24 ACRES.

CONSTRUCTION SEQUENCE

1. INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY LAND DISTURBING ACTIVITIES, AS SHOWN ON DRAWINGS AND DIRECTED BY ENGINEER.
2. CLEAR AND GRUB VEGETATION AS SHOWN ON DRAWINGS OR AS DIRECTED BY ENGINEER.
3. STRIP TOPSOIL AND STOCKPILE IN LOCATION AS SHOWN ON DRAWINGS AND AS DIRECTED BY OWNER. INSTALL PERIMETER SILT FENCE AROUND DOWN SLOPE SIDE OF STOCKPILE. STABILIZE STOCKPILE IMMEDIATELY UPON LAYUP.
4. INSTALL, ADJUST AND MAINTAIN ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES NECESSARY FOR EACH ACTIVE STAGE. MAINTAIN MEASURES AT THE END OF EACH DAY.
5. STAGE CONSTRUCTION BY WORK LOCATION. SUBSEQUENT STEPS MAY BE COMPLETED IN ALTERNATE SEQUENCE DEPENDING UPON CONTRACTOR OPERATIONS.
6. COMPLETE ROUGH GRADING.
7. PREPARE PAVEMENT SUBGRADE.
8. REMOVE AND REPLACE EXISTING BIOFILTER ENGINEERING SOIL.
9. INSTALL NEW PAVEMENT AND BASE LAYERS.
10. INSTALL LAWN LANDSCAPING.
11. AREAS PLANNED TO BE INACTIVE FOR 7 DAYS OR LONGER SHALL BE TEMPORARILY STABILIZED FOLLOWING DNR TECHNICAL STANDARD 1059 SEEDING. THESE AREAS SHALL BE STABILIZED WITHIN 7 DAYS OF BEING INACTIVE.
12. AREAS BROUGHT TO FINAL GRADE SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS.
13. COMPLETE FINAL RESTORATIONS INCLUDING BUT NOT LIMITED TO: TOPSOIL, TURF GRASS SEED, AND CLASS I TYPE B URBAN EROSION MATTING FOR ALL LAWN RESTORATION AND TOPSOIL, TURF GRASS SEED, AND CLASS II TYPE B EROSION MATTING FOR THE DRAINAGE SWALES AND SLOPES OF 4:1 OR MORE.
14. REMOVE TEMPORARY EROSION CONTROL DEVICES AFTER 80% GROWTH DENSITY HAS OCCURRED IN 100% OF RESTORATION AREAS. CONTRACTOR SHALL OBTAIN OWNER AND ENGINEER APPROVAL PRIOR TO REMOVING THE MEASURE(S). RESTORE DISTURBED AREAS AROUND REMOVED DEVICES AND CLEAN SITE.

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EROSION CONTROL PLAN

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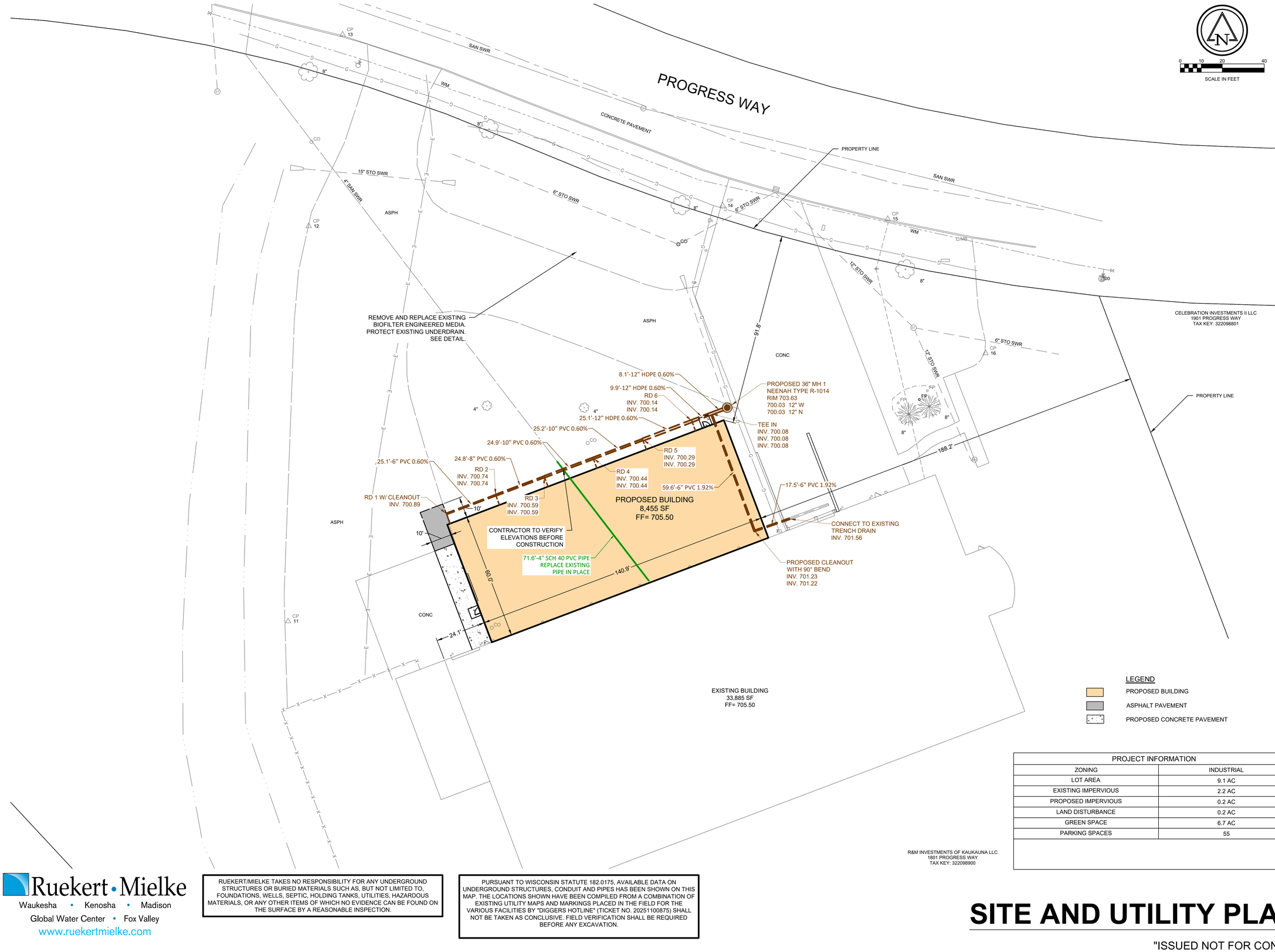

LEGEND

- PROPOSED BUILDING
- ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT

PROJECT INFORMATION	
ZONING	INDUSTRIAL
LOT AREA	9.1 AC
EXISTING IMPERVIOUS	2.2 AC
PROPOSED IMPERVIOUS	0.2 AC
LAND DISTURBANCE	0.2 AC
GREEN SPACE	6.7 AC
PARKING SPACES	55

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SITE AND UTILITY PLAN

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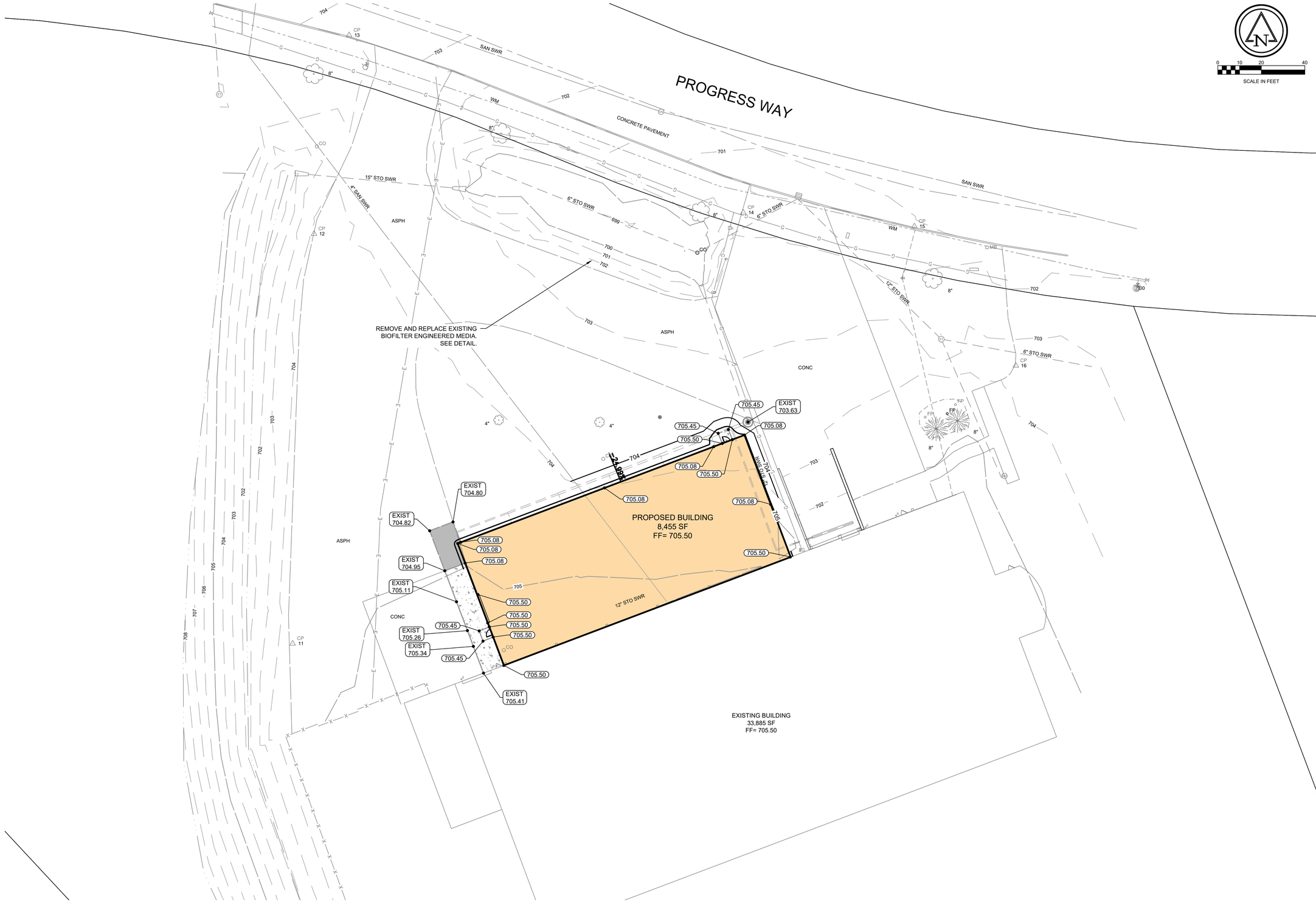

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GRADING PLAN

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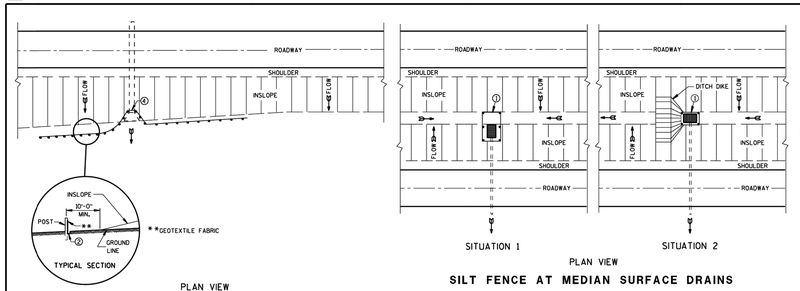
SDD 8e9 Silt Fence



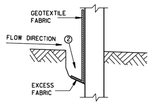
TYPICAL APPLICATION OF SILT FENCE

SILT FENCE AT MEDIAN SURFACE DRAINS

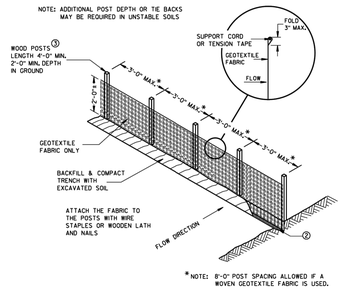
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

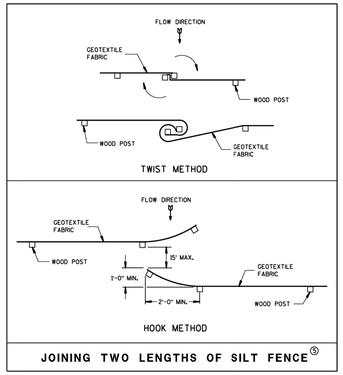
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1½" X 1½" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, BI-HOOK THE END OF EACH SILT FENCE LENGTH.



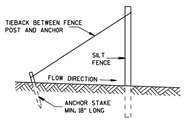
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE (5)

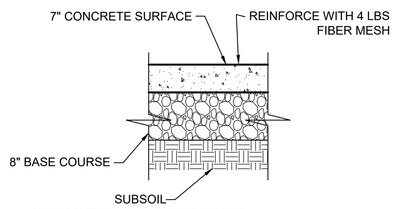


SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4-29-05 DATE	/S/ Beth Conmastro CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

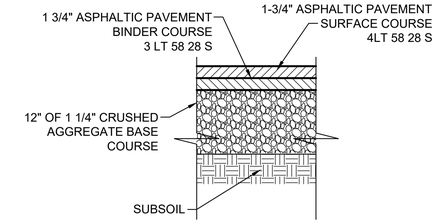
S.D.D. 8 E 9-6

6



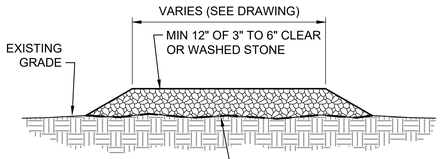
CONCRETE PAVEMENT CROSS SECTION

PV-SECT-07A 12 NO SCALE



PARKING LOT PAVEMENT CROSS SECTION

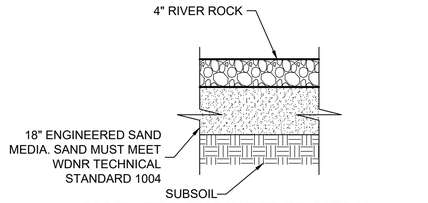
PV-SECT-07 12 NO SCALE



PAD MAY BE POSITIONED AS PERMANENT DRIVEWAY SUBBASE IF PLACED ON MINERAL SOIL AND IT MEETS BEARING & COMPACTION REQUIREMENTS BEFORE BASE PLACEMENT.

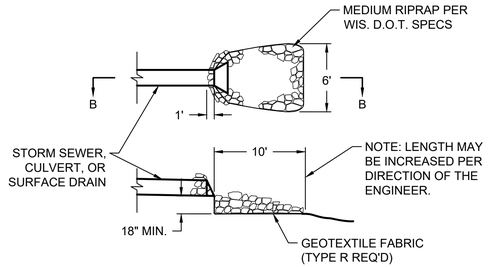
TRACKING PAD

EC-GNL-03 1 NO SCALE



BIOFILTER ENGINEERED MEDIA CROSS SECTION

PV-SECT-07A 12 NO SCALE



SECTION B-B

MEDIUM RANDOM RIP-RAP TREATMENT

EC-RR-03 96 NO SCALE

Keller
PLANNERS | ARCHITECTS | BUILDERS

FOX CITIES
N216 State Road 55
P.O. Box 620
Kaukauna, WI 54130
Phone (920)766-5795
1-800-236-2534
Fax (920)766-5004

MADISON
3308 Nursery Drive
Middleton, WI 53562
Phone (608)445-2245

MILWAUKEE
W204 N11509
Goldendale Rd
Germantown, WI 53022
Phone (262)250-9710
1-800-236-2534
Fax (262)250-9740

WAUSAU
5605 Lilac Ave
Wausau, WI 54401
Phone (715)849-3141
Fax (715)849-3181

www.kellerbuilds.com

PROPOSED FOR: G&G MACHINE, INC. 1801 PROGRESS WAY, KAUKAUNA WISCONSIN, 54130

REVISIONS

PROJECT MANAGER: ------
DESIGNER: C. MEISEL
DRAWN BY: G. DEPREY
EXPEDITOR: ------
SUPERVISOR: ------
PRELIMINARY NO: ------
CONTRACT NO: ------
DATE: --/--/2025
SHEET: C7.0

CONSTRUCTION DETAILS

"ISSUED NOT FOR CONSTRUCTION"

Ruekert • Mielke
Waukesha • Kenosha • Madison
Global Water Center • Fox Valley
www.ruekertmielke.com

MEMO

PLANNING AND COMMUNITY DEVELOPMENT

To: Plan Commission

From: David Kittel Director of Planning and Community Development

Date: 5/16/2025

Re: Site Plan Review – 101 Kelso Rd (Co Vantage)

Co Vantage is finalizing plans to redevelop the property along Kelso Rd adjacent form NEW Prosperity Industrial park. The new development will be a for a Co Vantage Bank of approximately 3,479 square feet. The plans are attached to this report for review and summarized below:

Site Plan Review:

Site/Architectural: 17.32 (10) Supplementary District Regulations & applicable zoning

All set back requirements are met and all applicable ordinances are being complied with to include zoning requirements. Note that the property is going through rezoning process to Commercial Highway District(CHD) from Industrial (IND).

Landscape: 17.52 Landscaping Requirements

The proposed Landscape plan submitted meets all requirements per ordinance.

Lighting:

Lighting is being added in the parking lot area, the submitted photometric plan confirms there should be no light directly shining off the property.

Stormwater: 22 Stormwater Management

The developer will work with Engineering Department to complete Erosion Control and Stormwater Management permitting.

Ingress/Egress:
No Concerns noted

Public Safety:

No concerns noted at this time.

Façade: 17.53 Façade Standards

The proposed site elevations meet façade requirements

Staff Recommendation:

Staff recommend approval of the development with the following conditions:

- **Prior to issuance of building permits, must obtain Stormwater and Erosion Control permits from the Engineering Department**
- **Approval contingent final adoption of rezoning from IND to CHD**

CONSULTANT
Name: Martin Riley, Attn.: Kim Greene
Mailing Address: 404 N. Main St.,
Oshkosh, WI 54901
Phone: 920-267-3600
Email: kgreene@martin-riley.com

SITE PLAN REVIEW APPLICATION

PROPERTY OWNER	APPLICANT (IF DIFFERENT PARTY THAN OWNER)
Name: VanEpern Family Trust, Attn: Roxanna Gebert	Name: CoVantage Credit Union, Attn.: Bryan Ermeling
Mailing Address: N2638 Bodde Rd., Kaukauna, WI 54130	Mailing Address: PO Box 1986, Wausau, WI 54402-1986
Phone: 920-427-9110	Phone: 715-845-4351x4650
Email: jandrgebert@sbcglobal.net	Email: bermelin@covantagecu.org

PROPERTY INFORMATION	
Describe the Proposed Project in Detail: Construction plans for a bank with off-street parking.	
Propety Parcel (#): 322111500	
Site Address/Location: 101 E. Kelso Rd.	
Current Zoning and Use: IND - Agricultural	
Proposed Zoning and Use: CHD - Bank	
Existing Gross Floor Area of Building: None	Proposed Gross Floor Area of Building: 3479 SF
Existing Building Height: None	Proposed Building Height: 25'
Existing Number of Off-Street Parking Spaces: None	Proposed Number of Off-Street Parking Spaces: 30
Existing Impervious Surface Coverage Percentage: None	Proposed Impervious Surface Coverage Percentage: 9%

I certify that the attached drawings are, to the best of my knowledge, complete and drawn in accordance with all City of Kaukauna codes.

Owner/Agent Signature: Kimberley Greene _____

Owner/Agent Name (printed): Kimberley Greene _____

SITE PLAN REVIEW PROCEDURE

The plan review process is required for all new commercial, industrial, or multifamily buildings, as well as for building expansions/additions to structures.

Early in the process, consult the site application checklist shown below for a complete list of plan requirements and contact staff in the Planning and Community Development Department for initial direction and assistance. In addition, it is your responsibility to notify utility companies regarding your proposed development.

Completed site plans must be submitted 14 business days prior to the intended Plan Commission meeting. Those plans will be distributed amongst various city departments for an initial review. After review, questions, comments, and requested revisions will be returned to the applicant in advance of the Plan Commission meeting.

SITE PLAN CHECKLIST

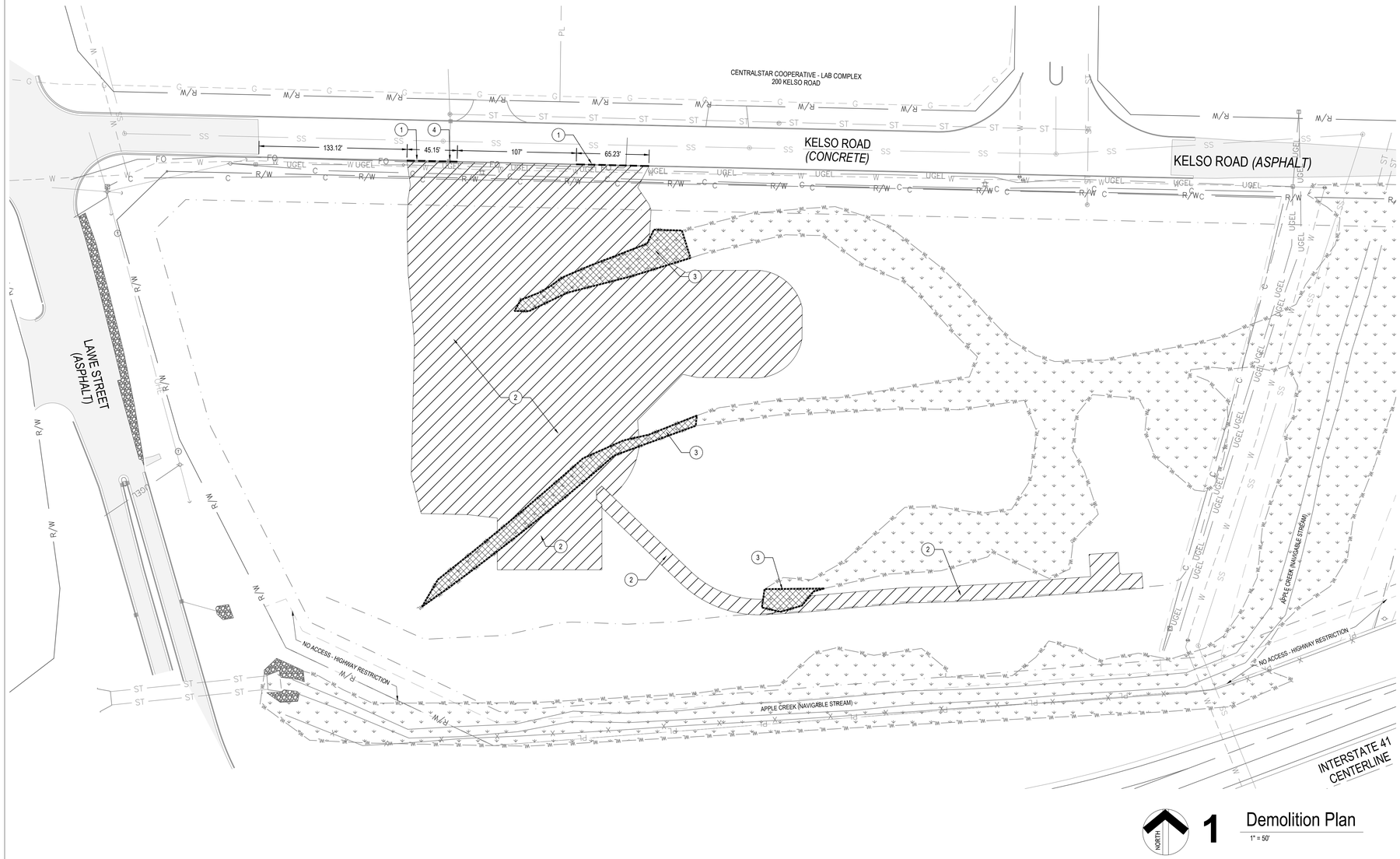
- ✓ Completed site plan application
- ✓ Completed erosion control and stormwater management permit application and necessary fees
- ✓ Calculations for sanitary sewer and water
- ✓ Calculations for storm sewer design
- ✓ Site plan set to include:
    - Site plan layout and streets, including designated fire lanes
    - Utilities, grading, and drainage plan
    - Erosion control plan
    - Landscape and lighting plan
    - Architectural elevation and construction details
    - Floor plan set
    - Any other plans or information deemed necessary by the Planning and Community Development Department

SITE PLAN SUBMISSION

1. Email the Planning and Community Development Department at planning@kaukauna.gov

   OR

2. Drop off in-person or send by mail to City of Kaukauna, Attn: Planning and Community Development Department, 144 W. 2nd Street, Kaukauna, WI 54130



1 Demolition Plan

1" = 50'

General Demoiltion Notes

1. **LITTERING STREETS-** THE CONTRACTOR SHALL REMOVE ANY DEMOLITION DEBRIS OR MUD FROM ANY STREET, ALLEY, RIGHT OF WAY RESULTING FROM THE EXECUTION OF THE DEMOLITION WORK. LITTERING OF THE SITE SHALL NOT BE PERMITTED. ALL WASTE MATERIALS SHALL BE PROMPTLY REMOVED FROM THE SITE.

2. **STREET CLOSURES-** IF IT SHOULD BECOME NECESSARY TO CLOSE ANY TRAFFIC OR PARKING LANES, CONTRACTOR SHALL BE RESPONSIBLE TO ACQUIRE NECESSARY PERMITS AND PLACE ADEQUATE BARRICADES AND WARNING SIGNS AS REQUIRED BY THE CITY OF KAUKAUNA and/or OUTAGAMIE COUNTY. STREET OR LANE CLOSURES SHALL BE COORDINATED WITH THE APPROPRIATE JURISDICTIONAL AUTHORITY.

3. **GENERAL PROTECTION- WHERE APPLICABLE**

   A. **SIDEWALKS-** THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PUBLIC SIDEWALKS, IF SCHEDULED TO REMAIN, ABUTTING OR ADJACENT TO THE PROJECT SITE. REPAIR OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE WORK (REPLACEMENT PER THE CITY OF KAUKAUNA and/or OUTAGAMIE COUNTY STANDARDS).

   B. **PEDESTRIAN ACCESS/ VEHICULAR TRAFFIC-** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND CONSTRUCT NECESSARY WARNING SIGNS, BARRICADES FENCING OR TEMPORARY ACCESS AS DIRECTED BY OWNER OR LOCAL AUTHORITY.

   C. **DEMOLITION HOURS-** CONTRACTOR SHALL COMPLY WITH ANY RESTRICTIONS TO WORKING HOURS AS DIRECTED BY LOCAL AUTHORITY.

   D. **NOISE POLLUTION-** ALL CONSTRUCTION EQUIPMENT SHALL BE IN GOOD REPAIR AND ADEQUATELY MUFFLED, OR AS DIRECTED BY LOCAL AUTHORITY

   E. **DUST CONTROL-** THE CONTRACTOR SHALL TAKE APPROPRIATE ACTIONS TO MINIMIZE ATMOSPHERIC POLLUTION. SUCH PRECAUTIONS SHALL INCLUDE, BUT NOT LIMITED TO, USE OF WATER OR CHEMICALS FOR DUST CONTROL IN THE DEMOLITION OF BUILDING STRUCTURES, PAVING OR CLEARING OF LAND AND AS REQUIRED BY LOCAL AUTHORITY. OPEN-BODY TRUCKS LIKELY OF CREATING AIRBORNE DUSTS SHALL BE COVERED.

4. **REQUIREMENTS FOR THE REDUCTIONS OF FIRE HAZARDS-** THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AND MAINTAINING THE CORRECT TYPE AND CLASS OF FIRE EXTINGUISHER ON SITE. NO MATERIAL OBSTRUCTIONS OR DEBRIS SHALL BE PLACED OR ALLOWED TO ACCUMULATE WITHIN 15 FEET OF ANY FIRE HYDRANT.

5. **PROTECTION OF PUBLIC UTILITIES-** THE CONTRACTOR SHALL NOT DAMAGE EXISTING FIRE HYDRANTS, TRAFFIC SIGNALS, POWER POLES, TELEPHONE POLES, FIRE ALARM BOXES, WIRE CABLES AND/ OR UNDERGROUND UTILITIES TO REMAIN OR OTHER APPURTENANCES IN THE VICINITY OF THE SITE.

6. **PROTECTION OF ADJACENT PROPERTIES-** THE CONTRACTOR SHALL NOT DAMAGE OR CAUSE TO BE DAMAGED ANY PUBLIC RIGHT-OF WAY, STRUCTURES, PARKING LOTS, DRIVES, STREETS, SIDEWALKS, UTILITIES, LAWNS OR ANY OTHER PROPERTY ADJACENT TO THE PROJECT SITE.

7. **GENERAL DEMOLITION NOTE-** THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION AND SHALL INSPECT THE SITE FOR ITS CHARACTER AND THE TYPE OF IMPROVEMENTS TO BE DEMOLISHED. THE DEMOLITION LIMITS SHALL BE RELEASED TO THE CONTRACTOR UPON AWARD OF CONTRACT AND NOTICE TO PROCEED. THE CONTRACTOR SHALL HAVE FULL CONTROL OF DEMOLITION PROGRESS AND CLEARANCE OF THE SITE, SUBJECT TO THE PROJECT MANUAL AND SPECIFICATIONS.

Typical Site Demolition Notes

1. SAWCUT EXISTING CONCRETE CURB, SEE DETAIL 8/C800
2. CLEARING AND GRUBBING, TOPSOIL REMOVAL.
3. DISTURBED WETLANDS.
4. CONTRACTOR TO FIELD VERIFY DIMENSION OF EXISTING CASTING. REMOVE EXISTING CURB BOX & GRATE.

Note: ALL DEMOLISHED MATERIAL FROM CONSTRUCTION ACTIVITIES SHALL BE REMOVED OFF-SITE AND DISPOSED OF IN A LEGAL MANNER.

LEGEND:

- TOPSOIL REMOVAL
- DISTURBED WETLANDS
- CONCRETE CURB CUTTING

PRIOR TO PROCEEDING WITH ANY EXCAVATIONS, THE CONTRACTOR SHALL CONTACT WISCONSIN'S DIGGERS HOTLINE AT 800-242-8511.

DIGGERS HOTLINE®

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CoVantage Credit Union
Kaukauna Branch

101 E. Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

MARTINRILEY
architects • engineers

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Oshkosh, Wisconsin 54901

www.martin-riley.com
ph 920.267.3600

MARTINRILEY
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NOT FOR CONSTRUCTION

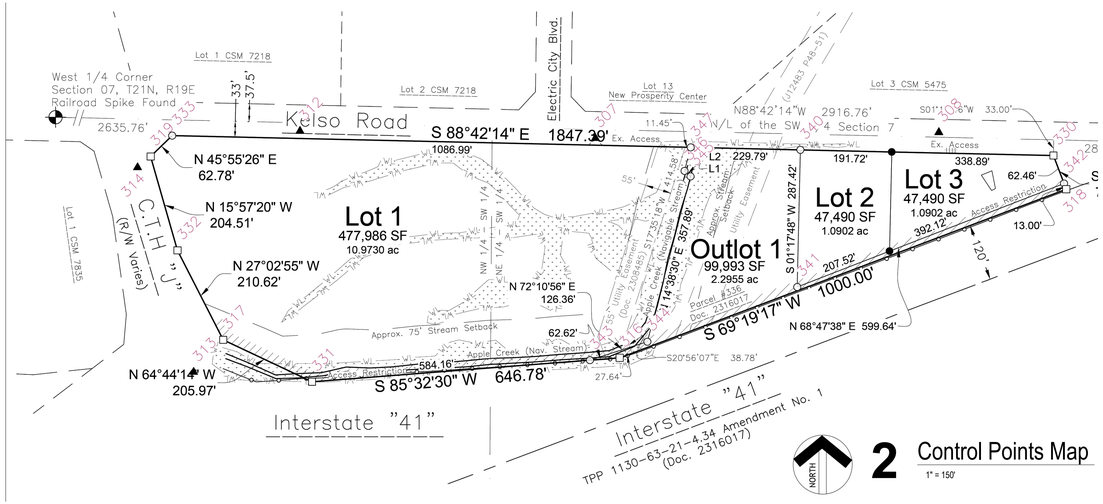
REVISION: DATE:

DRAWN BY: KAG/CAS
REVIEWED BY: -
COMMISSION NUMBER: O25006
DATE: 2025-05-09

C101

DEMOLITION PLAN

Point #	Northing	Easting	Elevation	Point Name
300	576811.380	868538.190	695.39	BM PN0644
303	582821.391	877764.049	681.78	BM DE7781
304	576498.980	870663.055	710.62	SC RB6
305	576591.482	867785.035	696.97	SC IP2
306	579251.028	867783.649	701.52	SC RRS
307	579194.639	869458.065	694.62	CPT PK
308	579206.657	870177.713	696.91	CPT PK
309	579187.763	869306.072	697.39	BM BURY BOLT
310	579197.937	868854.394	696.37	BM BURY BOLT
311	579231.406	869679.943	689.44	BM NAIL TOP CULVERT
312	579209.340	868838.858	694.76	CPT PK
313	578704.563	868616.025	706.71	CPT PK
314	579133.069	868498.478	701.98	CPT PK
315	579106.154	870282.125	705.48	BM NW BOLT ON SGN BASE
316	578734.830	869508.958	687.92	IP1 LEAN SHOT BASE
317	578772.282	868678.033	691.85	IP1
318	579087.857	870444.640	710.79	IP1
319	579156.502	868525.971	697.56	IP1
330	579158.478	870417.984	706.08	IP1
331	578684.372	868864.235	691.83	IP1
332	578959.850	868582.267	693.87	IP1
333	579200.152	868571.104	699.46	ABM RB6
340	579170.376	869887.541	689.20	ABM RB6
341	578883.051	869881.022	694.61	ABM RB6
342	579099.953	870440.100	709.69	ABM RB6
343	578729.808	869446.623	688.08	ABM RB6
344	578768.417	869566.933	688.85	ABM RB6
345	579114.756	869657.435	687.36	ABM RB6
346	579126.256	869644.865	687.46	ABM RB6
347	579175.552	869657.781	686.79	ABM RB6
1011	579166.049	870079.179	0.00	RB6S
1012	578958.106	870074.473	0.00	RB6S
10688	578789.492	869472.024	691.30	CP
11215	579186.279	868517.499	698.65	CP UC1



2 Control Points Map
1" = 150'

General Construction Notes

1. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH STATE, COUNTY AND LOCAL CODES INCLUDING ALL AMENDMENTS.
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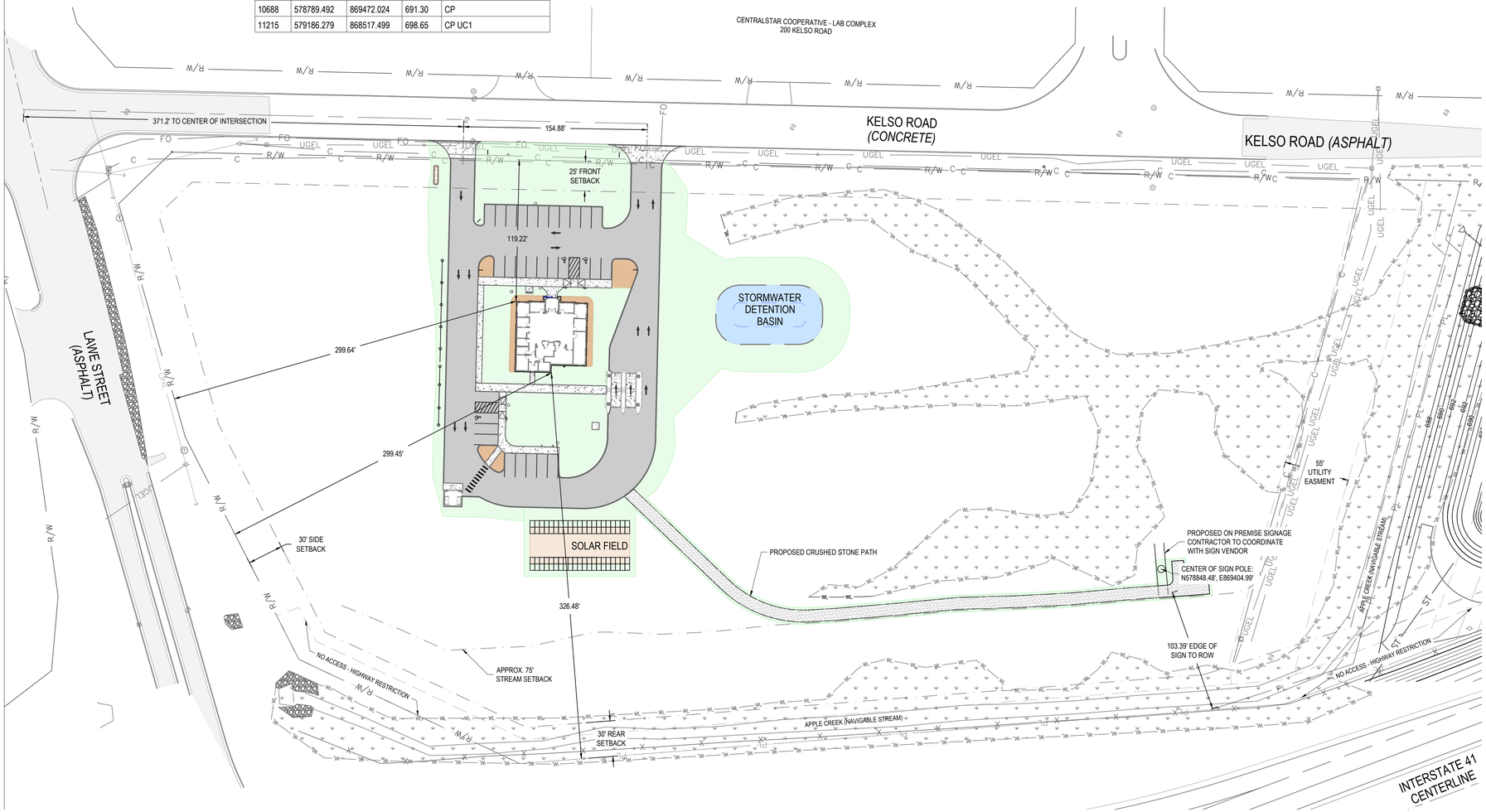
4. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL PLACE APPROPRIATE EROSION CONTROL MEASURES TO ENSURE NO SEDIMENT LEAVES THE SITE OR ENTERS ON-SITE OR PUBLIC STORM SYSTEMS (SEE C900).
5. CONTRACTOR TO MATCH CONSTRUCTION LIMITS TO EXISTING GRADES AND PROVIDE POSITIVE DRAINAGE TO EXISTING DRAINAGE PATHS/ SYSTEMS.
6. CONTRACTOR SHALL ADJUST ALL CASTINGS TO GRADE WITHIN OR ADJACENT TO THE WORK.
7. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS BY PLACING TOPSOIL, IF REQUIRED, GRADING TO ESTABLISH POSITIVE DRAINAGE, SEEDING AND MULCH.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL TRADES, LOCAL /COUNTY JURISDICTIONS AND UTILITIES.

- PROPOSED SANITARY MANHOLE
- EXISTING SANITARY MANHOLE
- PROPOSED STORMSEWER MANHOLE
- EXISTING STORMSEWER MANHOLE
- GRASS SEED
- EX. ASPHALT PAVEMENT SECTION
- STANDARD DUTY ASPHALT SECTION
- PR. DETENTION BASIN
- CONCRETE PAVEMENT SECTION
- RIP RAP
- LANDSCAPE STONE / PEA GRAVEL
- MULCH / LANDSCAPE BED
- DELINEATED WETLANDS

- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- XXX — PROPOSED MAJOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- SS — EXISTING SANITARY SEWER
- SS — PROPOSED SANITARY SEWER
- ST — EXISTING STORM SEWER
- ST — PROPOSED STORM SEWER
- W — EXISTING WATER LINE
- W — PROPOSED WATER LINE



1 Overall Site Layout Plan
1" = 50'

New Construction Work for :

CoVantage Credit Union
Kaukauna Branch

101 E. Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

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architects • engineers
404 N. Main Street, Suite 601
Oshkosh, Wisconsin 54901
www.martin-riley.com
ph 920.267.3600

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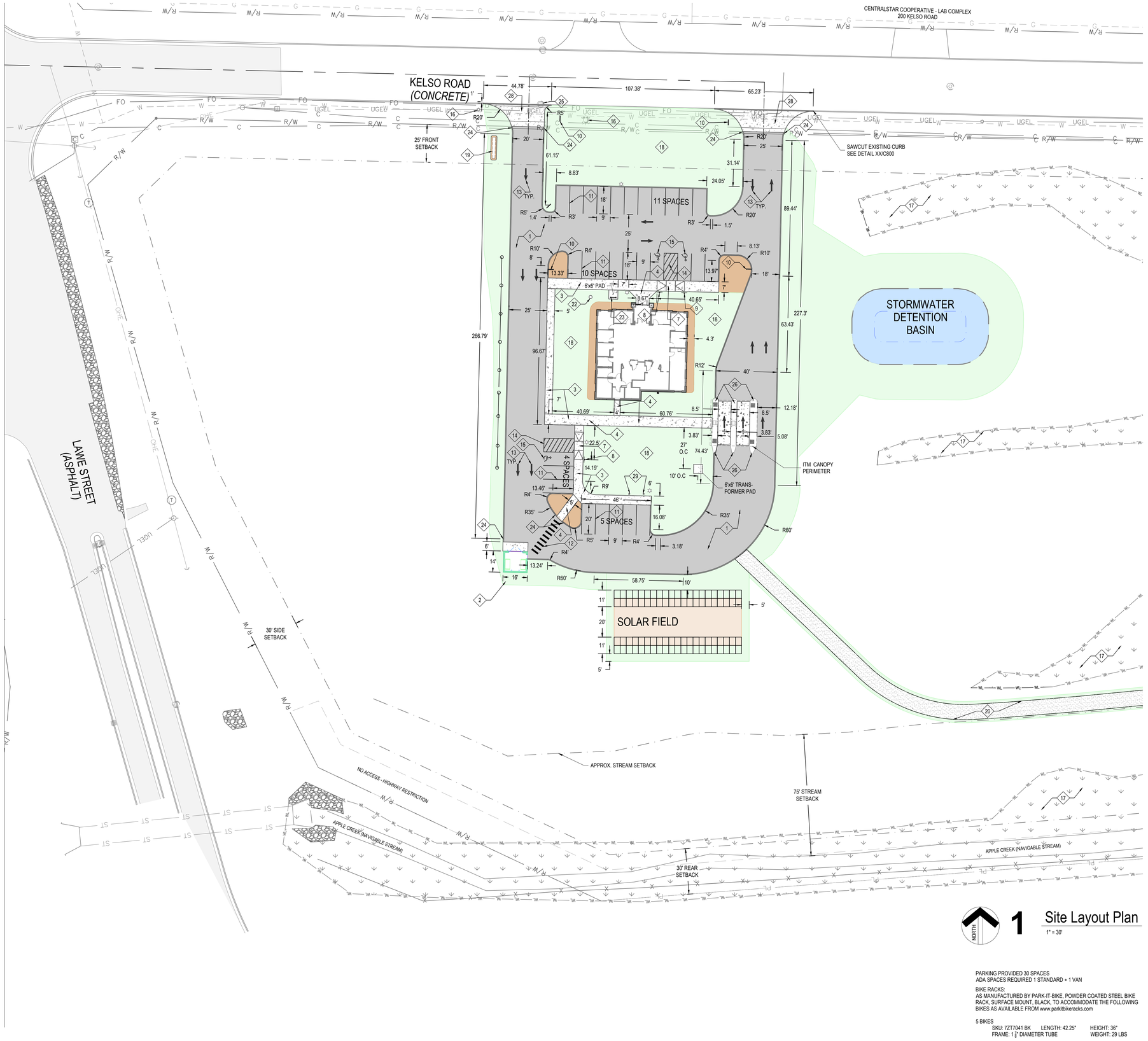
REVISION: DATE:

DRAWN BY: KAG/CAS
REVIEWED BY: .
COMMISSION NUMBER: O25006
DATE: 2025-05-09

C200

OVERALL SITE LAYOUT PLAN



1 Site Layout Plan

1" = 30'

PARKING PROVIDED 30 SPACES
ADA SPACES REQUIRED 1 STANDARD + 1 VAN

BIKE RACKS:
AS MANUFACTURED BY PARK-IT-BIKE, POWDER COATED STEEL BIKE RACK, SURFACE MOUNT, BLACK, TO ACCOMMODATE THE FOLLOWING BIKES AS AVAILABLE FROM www.parkitbikeracks.com

5 BIKES
SKU: 7ZT7041 BK LENGTH: 42.25" HEIGHT: 36"
FRAME: 1 5/8" DIAMETER TUBE WEIGHT: 29 LBS

General Construction Notes

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- SS — PROPOSED SANITARY SEWER
- ST — EXISTING STORM SEWER
- ST — PROPOSED STORM SEWER
- W — EXISTING WATER LINE
- W — PROPOSED WATER LINE

Typical Site Work Description Notes

1. ASPHALT PAVEMENT- SEE DETAIL 1/C800.
2. CONCRETE PAVEMENT- SEE DETAIL 2/C600.
3. CONCRETE WALK- CURBFACE - SEE DETAIL 3/C800.
4. CONCRETE WALK- TYPICAL OR FLUSH WITH ADJACENT - SEE DETAIL 4/C800.
5. CONCRETE CURB- STRAIGHT - SEE DETAIL 10/C800.
6. CONCRETE CURB- ROLLED CURB AND GUTTER - SEE DETAIL 9/C800.
7. CURB RAMP 7A - SEE DETAIL 11/C800.
8. HANDICAP PARKING SIGN (HC)- POST MOUNTED - SEE DETAIL 6/C800.
9. HC SIGN W/ VAN ACCESSIBLE IDENTIFICATION SIGN BELOW - SEE DETAIL 6/C800.
10. INFORMATIONAL OR DIRECTIONAL SIGN AND SIGNPOST - COORDINATE FOUNDATION REQUIREMENTS WITH SIGN CONTRACTOR - SEE SHEET C804.
11. PAVEMENT MARKING, TYPICAL STRIPING- 4" SOLID, PAINTED.
12. PAVEMENT MARKING, VEHICULAR, CROSSWALK AND/ OR DIRECTIONAL- STRIPING , 8" SOLID, PAINTED.
13. PAVEMENT MARKING, INFORMATIONAL OR DIRECTIONAL WORDING OR ARROW- PAINTED.
14. PAVEMENT MARKING, STRIPED ACCESSIBLE AISLE- 4" SOLID, PAINTED- PERIMETER W/ 2' O.C. DIAGONAL INTERNAL.
15. PAVEMENT MARKING, HC SYMBOL- PAINTED - SEE DETAIL 5/C800.
16. PROTECT EXISTING ADJACENT IMPROVEMENTS AND INFRASTRUCTURE TO REMAIN.
17. PROTECT EXISTING WETLAND/ TREE COVER TO REMAIN.
18. RESTORATION OF DISTURBED AREAS AND GRASS SEEDING.
19. MONUMENT SIGN - COORDINATE WITH SIGN CONTRACTOR - SEE SHEET C804.
20. COMPACTED AGGREGATE ACCESS DRIVE - SEE DETAIL14/C800.
21. DUMPSTER GATE / ENCLOSURE - SEE SHEET C803.
22. FLAGPOLE - SEE DETAIL 10/C803.
23. BIKE RACK - SEE BELOW.
24. CONCRETE CURB - END TAPER - SEE DETAIL 15/C800.
25. INSTALL NEW OPEN GRATE STORM CASTING- CONTRACTOR TO FIELD VERIFY DIMENSION OF EXISTING CASTING. REMOVE EXISTING CURB BOX & GRATE. REPLACE WITH TRAFFIC-RATED ALLEY CASTING. PROVIDE ENGINEER WITH SUBMITTAL FOR PROPOSED REPLACEMENT TO ENGINEER FOR REVIEW.
26. INSTALL STEEL BOLLARD - SEE DETAIL 11/C803.
27. DRIVE THROUGH CURBED ISLANDS - SEE DETAILS 2/S101 & 10/S401.
28. CONCRETE DRIVE APPROACH - SEE DETAIL 8/C800.
29. 2 EV READY STALLS WITH FUTURE CHARGING STATION AND SIGNAGE - SEE SHEET E100.

SUMMARY

PARCEL AREA: 11 ACRES ZONING: CHD

BUILDING USE: CREDIT UNION SETBACKS:
BUILDING SIZE: 3125 SF 25' FRONT YARD SETBACK (1)
30' SIDE YARD SETBACK (2)
30' REAR YARD SETBACK (1)

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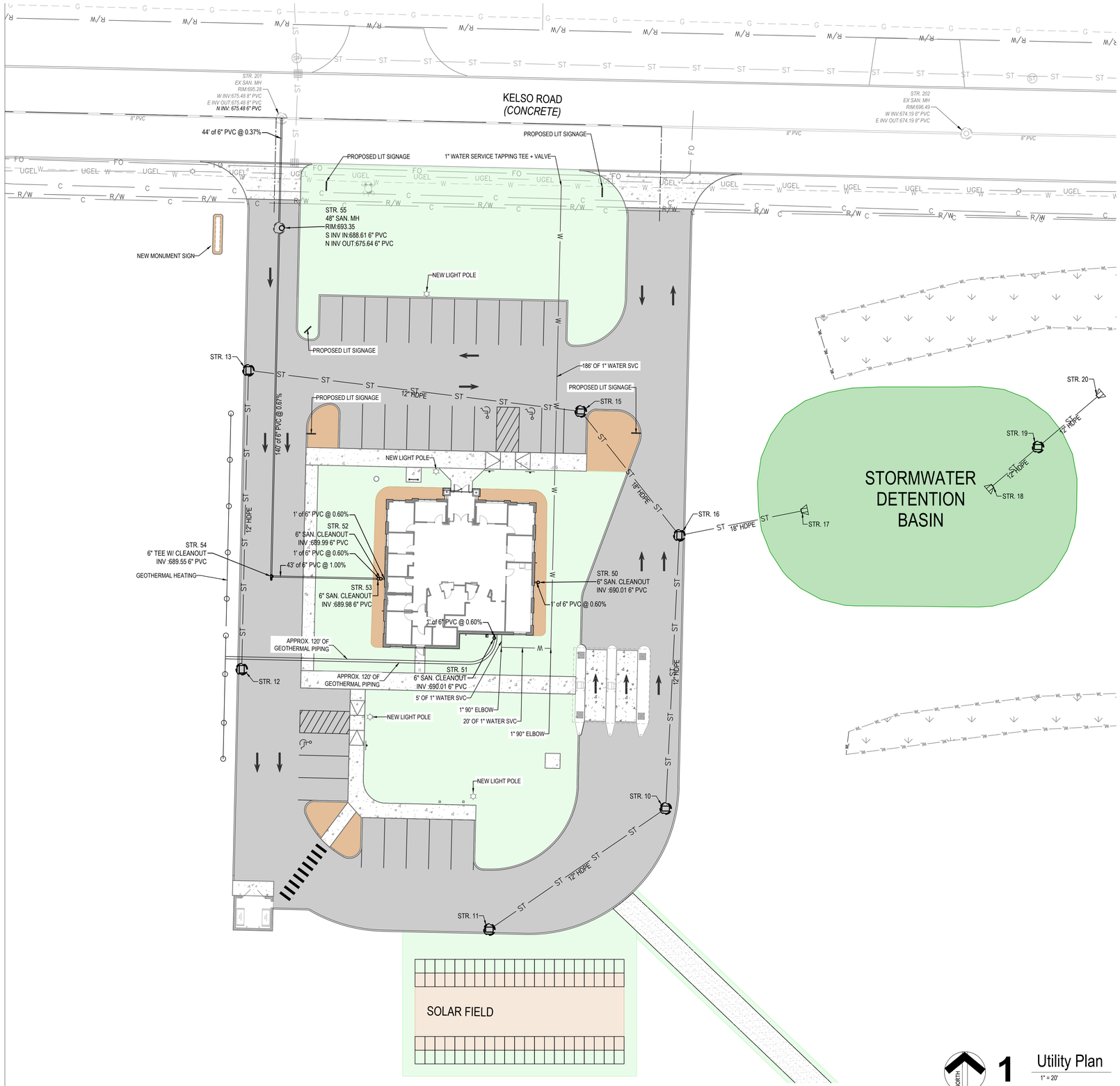
REVISION:	DATE:

DRAWN BY:	KAG/CAS	REVIEWED BY:	-
COMMISSION NUMBER:	O25006	DATE:	2025-05-09

C201

SITE LAYOUT PLAN



General Construction Notes

1. ALL WATER MAINS, HYDRANT ASSEMBLIES AND SERVICE LINES ARE TO BE INSTALLED, TESTED, INSPECTED, AND SANITIZED PER CITY OF KAUKAUNA STANDARDS.
2. ALL SANITARY SEWERS ARE TO BE INSTALLED, AND INSPECTED PER CITY OF KAUKAUNA STANDARDS.

- GRASS SEED
- EX. ASPHALT PAVEMENT SECTION
- STANDARD DUTY ASPHALT SECTION
- PR. DETENTION BASIN
- CONCRETE PAVEMENT SECTION
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- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- PROPOSED SANITARY MANHOLE
- EXISTING SANITARY MANHOLE
- PROPOSED STORMSEWER MANHOLE
- EXISTING STORMSEWER MANHOLE

1 Utility Plan
1" = 20'

New Construction Work for :

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Kaukauna Branch

101 E. Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

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REVISION: DATE:

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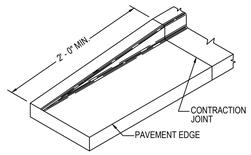
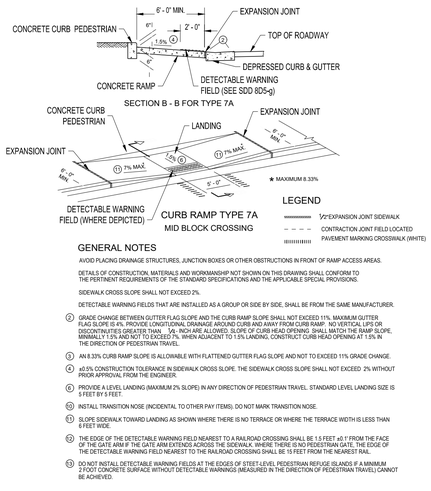
REVIEWED BY: .
COMMISSION NUMBER: O25006
DATE: 2025-05-09

C400

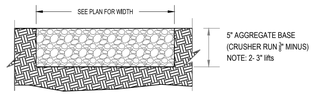
UTILITY PLAN



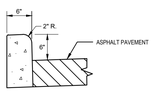
15 Concrete Curb End Taper
NTS



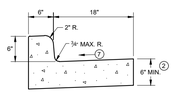
11 Curb Ramp Type "7A"
NTS



14 Compacted Aggregate Pathway Detail
NTS



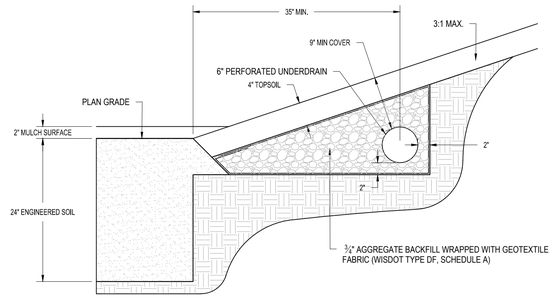
10 Concrete Curb - Straight
NTS



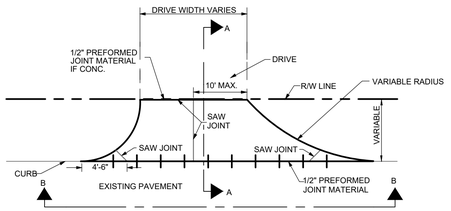
TYPES A ① & D

NOTES:
1. THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
2. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
7. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

9 Concrete Curb & Gutter
NTS



13 BIORETENTION UNDERDRAIN DETAIL
NTS



8 Concrete Drive Apron Detail
NTS

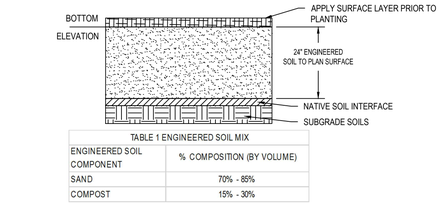
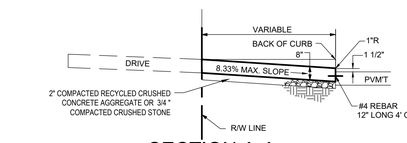


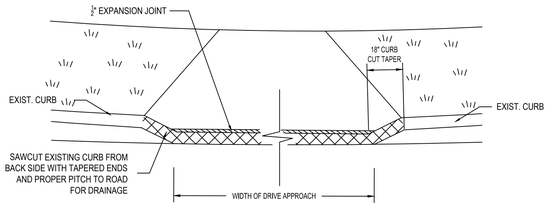
TABLE 1 ENGINEERED SOIL MIX	
ENGINEERED SOIL COMPONENT	% COMPOSITION (BY VOLUME)
SAND	70% - 85%
COMPOST	15% - 30%

NOTES:
1. ENGINEERED SOIL SHALL BE A MIXTURE ACCORDING TO TABLE 1 AND PLACED IN MULTIPLE LIFTS @ APPROXIMATELY 12". WATER EACH LIFT TO COMPACT IN PLACE.
2. CONTRACTOR SHALL KEEP HEAVY EQUIPMENT OFF BIORETENTION AREAS TO PREVENT OVER COMPACTION OF SUBGRADE SOILS OF REMEDIATE SUBGRADE SOILS THOUGH CHISEL PLOWING OR DEEP TILLING PRIOR TO PLACEMENT OF ENGINEERED SOILS.
3. SURFACE OF ENGINEERED SOILS SHALL BE LEVELED TO PLAN GRADE.
4. SAND SHALL MEET STANDARDS IDENTIFIED IN WDNR TECHNICAL STANDARD 1004.
5. COMPOST SHALL MEET REQUIREMENTS OF WDNR SPECIFICATION S100.
6. GRAVEL SHALL BE DOUBLE WASHED AND MEET THE STANDARDS IDENTIFIED IN WDNR TECHNICAL STANDARD 1004.
7. SURFACE LAYER SHALL BE 2-3 INCHES OF SHREDDED HARDWOOD MULCH, AGED A MINIMUM OF 12 MONTHS, OR A WISDOT CLASS 2 TYPE B COCONUT FIBER EROSION CONTROL MAT. EROSION CONTROL MAT SHALL ALSO BE PLACED OVER THE HARDWOOD MULCH TO PREVENT MULCH FROM FLOATING. EROSION CONTROL MAT SHALL BE INSTALLED AS IDENTIFIED IN WDNR TECHNICAL STANDARD 1004.

12 Bioretention Soils Detail
NTS

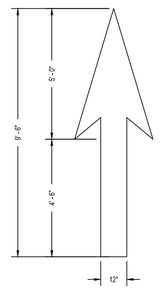


SECTION A-A

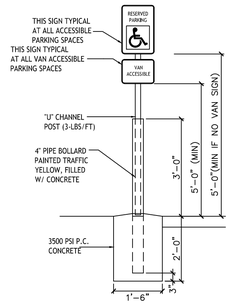


SECTION B-B

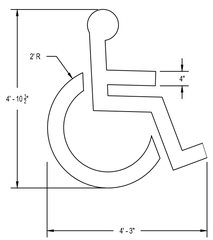
8 Concrete Drive Apron Detail
NTS



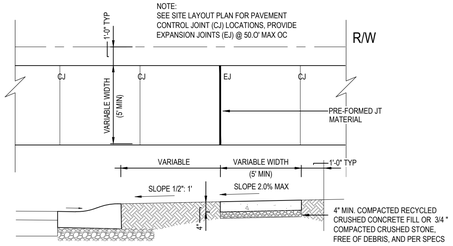
7 Directional Arrow Marking
NTS



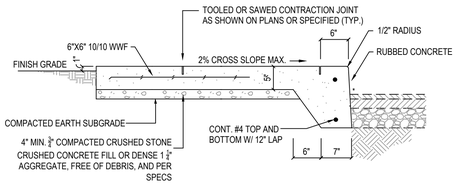
6 ADA Parking Signs Detail
NTS



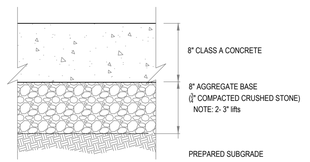
5 Accessibility Marking
NTS



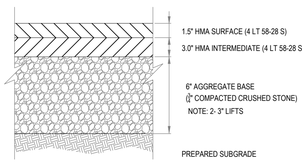
4 Concrete Sidewalk Detail
NTS



3 Typical Concrete Curbface Walk
NTS



2 Concrete Pavement Section
NTS



1 Asphalt Pavement Detail
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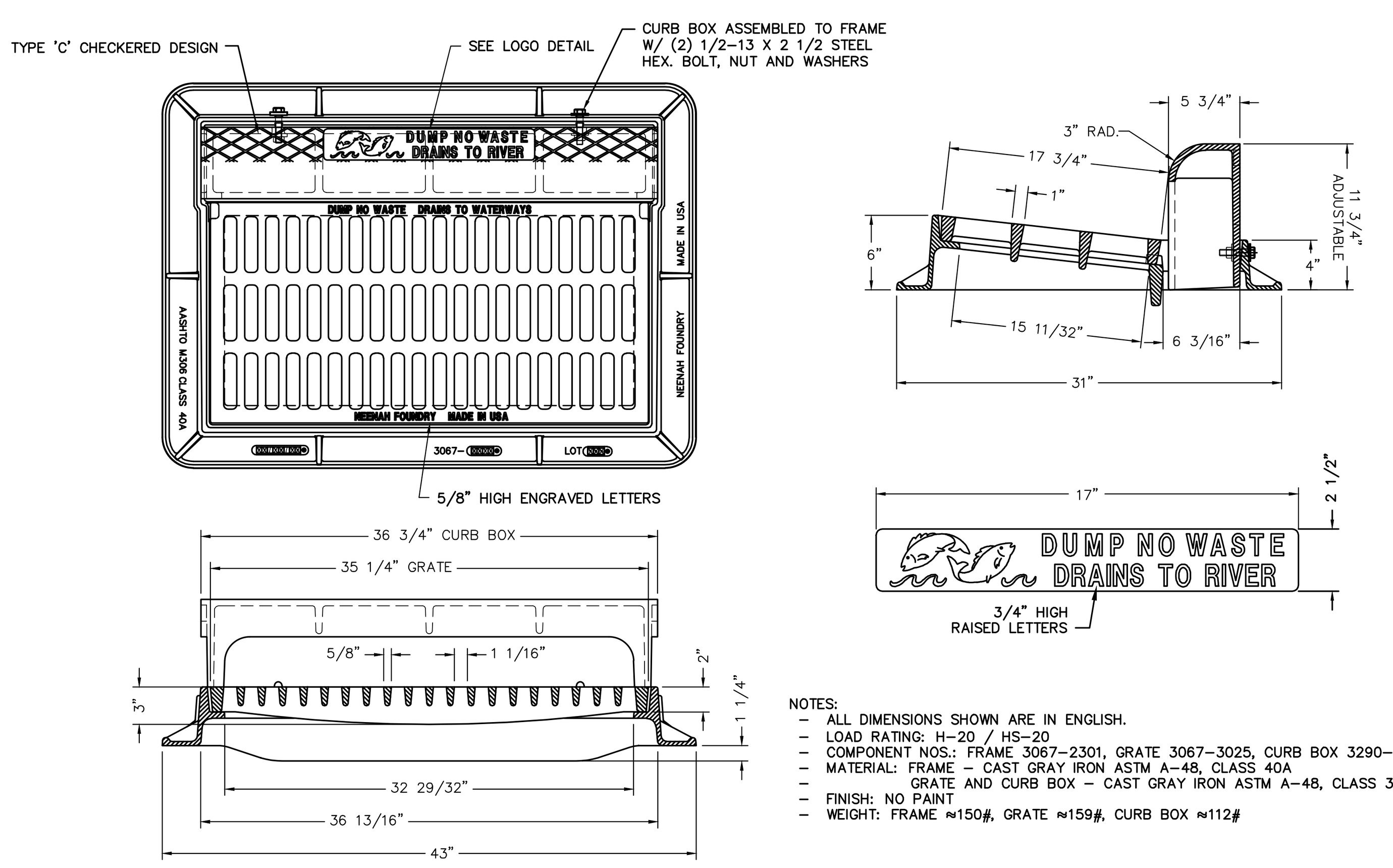
C800

SITE DETAILS

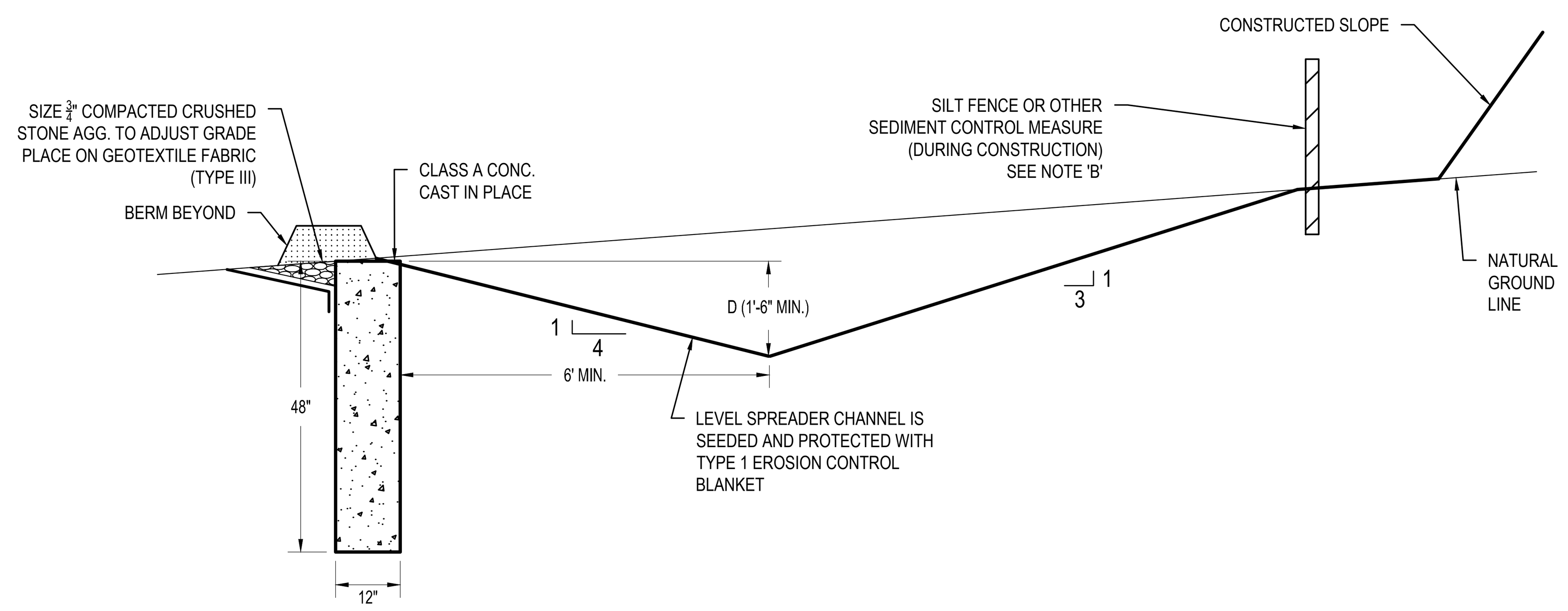


NOTES:
- ALL DIMENSIONS SHOWN ARE IN ENGLISH.
- LOAD RATING: H-20 / HS-20
- COMPONENT NOS.: FRAME 3067-2301, GRATE 3067-3025, CURB BOX 3290-0044
- MATERIAL: FRAME – CAST GRAY IRON ASTM A-48, CLASS 40A
- GRATE AND CURB BOX – CAST GRAY IRON ASTM A-48, CLASS 35B
- FINISH: NO PAINT
- WEIGHT: FRAME ≈150#, GRATE ≈159#, CURB BOX ≈112#

FRAME AND GRATE
NEENAH R-3067 W/GRATE TYPE A
& CURB BOX W/ ENVIRO NOTICE
OR APPROVED EQUAL

5 2' X 3' Curb & Gutter Casting

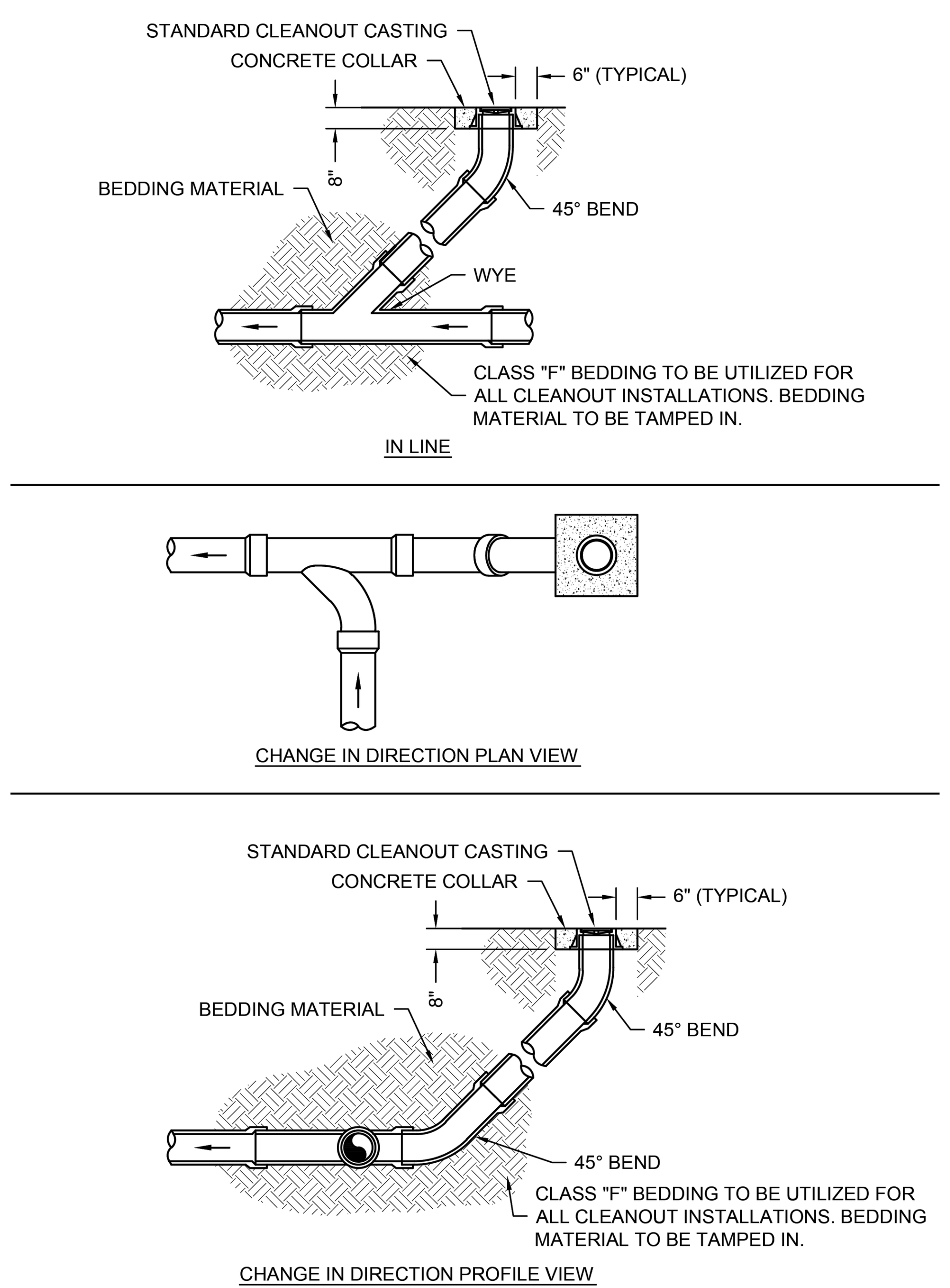
NTS



A. PERMANENT INSTALLATIONS SHALL BE MARKED WITH DELINEATOR POSTS IN ORDER TO IMPROVE SAFETY FOR MAINTENANCE DIVISION MOWING CREWS.
B. LEVEL SPREADERS ARE NOT SEDIMENT CONTROL DEVICES. DURING CONSTRUCTION, THE BACK OF SLOPE SHOULD BE PROVIDED WITH SILT FENCE OR OTHER SUITABLE SEDIMENT CONTROL MEASURES. THESE SEDIMENT CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE APPLICABLE STANDARD DRAWINGS.
C. GEOTEXTILE FABRIC (TYPE III) SHALL MEET REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR GEOTEXTILES AASHTO DESIGNATION M-288, EROSION CONTROL.

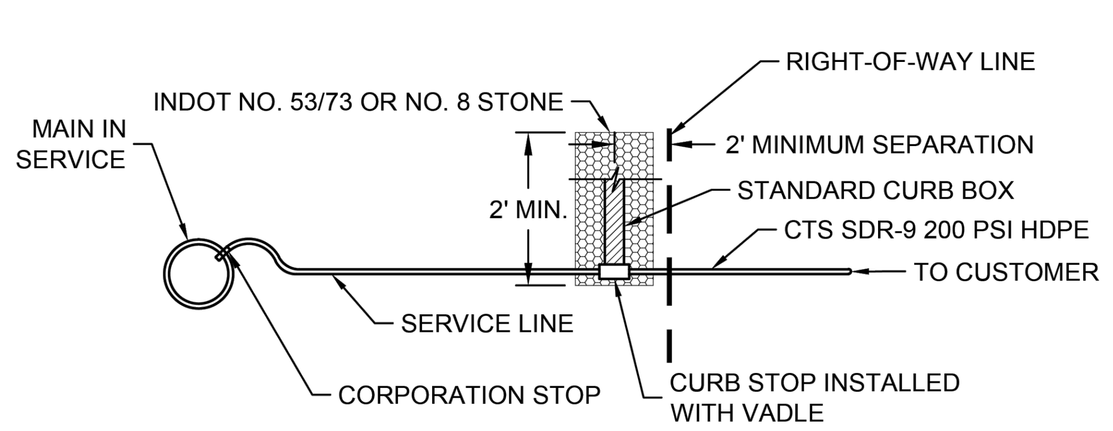
4 Level Spreader Detail

NTS



1 Sanitary Cleanout Detail

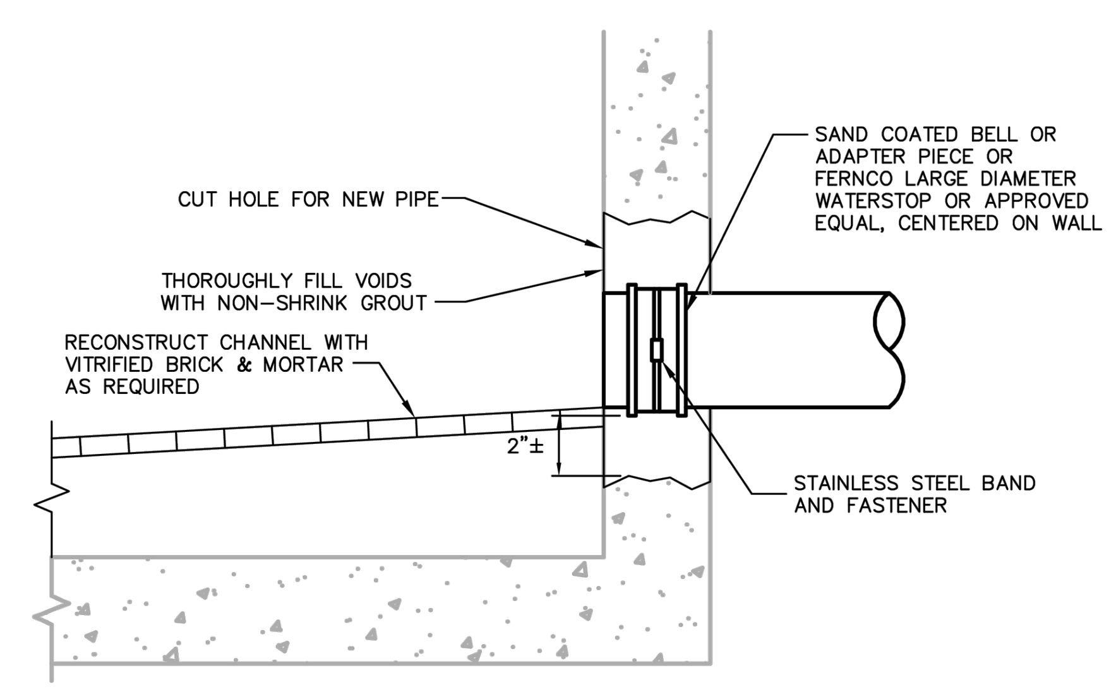
NTS



SMALL SERVICE INSTALLATION
3/4" THRU 2" (MIN. 5' COVER)

3 Small Water Service Installation

NTS



NOTES:
1. NON-SHRINK GROUT TO BE FIVE STAR STRUCTURAL CONCRETE OR APPROVED EQUAL.

2 Existing Manhole Wall Pipe Penetration Detail

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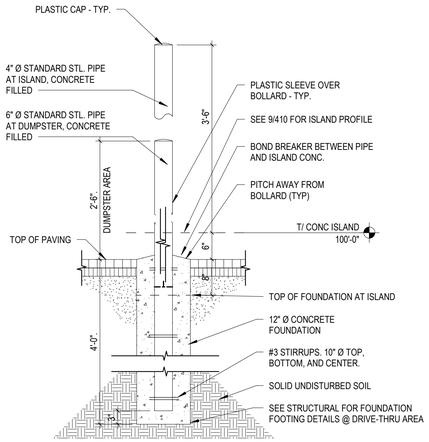
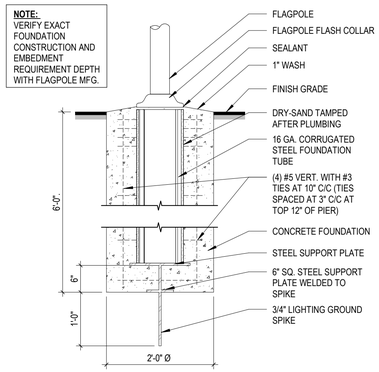
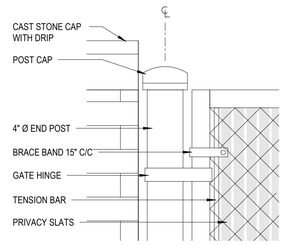
SITE DETAILS



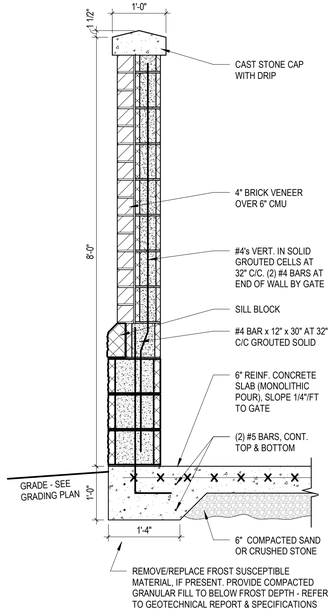
12 Pipe Bollard Detail
3/4" = 1'-0"



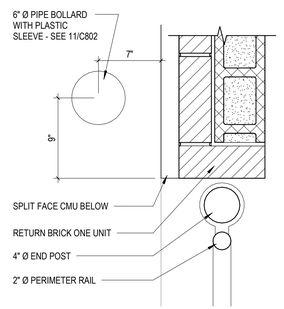
11 Flagpole Foundation Section
3/4" = 1'-0"



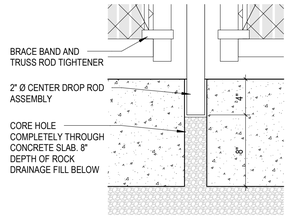
7 Hinge Detail
1 1/2" = 1'-0"



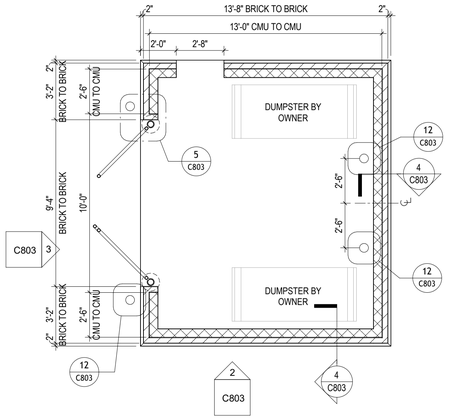
4 Dumpster Enclosure Wall Section
3/4" = 1'-0"



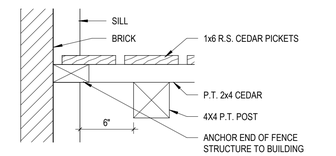
5 Wall/Gate Detail
1 1/2" = 1'-0"



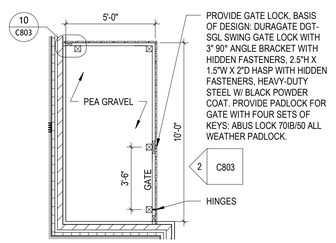
6 Center Drop Rod Detail
1 1/2" = 1'-0"



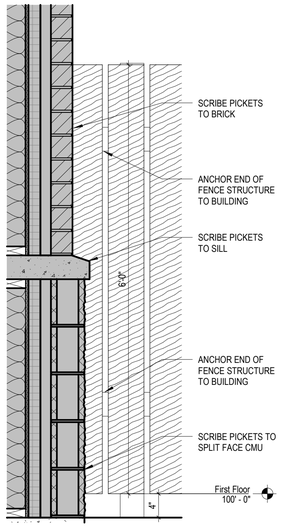
1 Dumpster Enclosure Plan
1/4" = 1'-0"



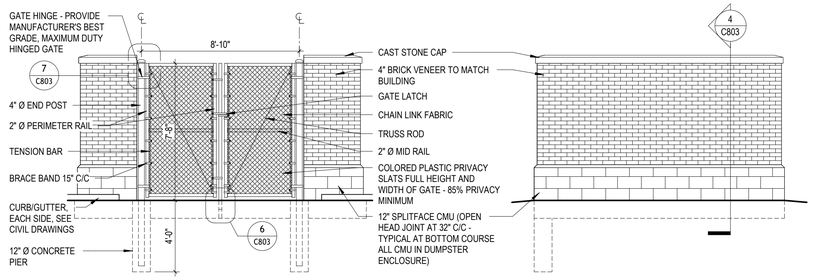
10 Fence Detail at Wall
1 1/2" = 1'-0" ALTERNATE #1



9 Fence Plan
1/4" = 1'-0" ALTERNATE #1



8 Fence Elevation
1" = 1'-0" ALTERNATE #1



3 Dumpster Enclosure Front Elevation
1/4" = 1'-0"

2 Dumpster Enclosure Side Elevation
1/4" = 1'-0"

NORTH

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REVISION:	DATE:

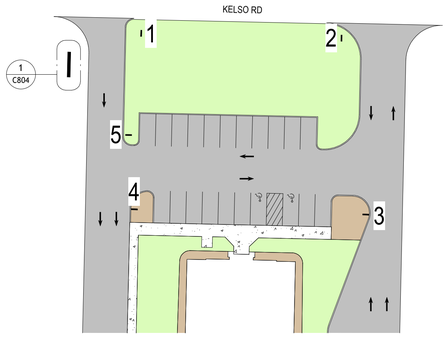
DRAWN BY:	GW	REVIEWED BY:	NH
COMMISSION NUMBER:	O25006	DATE:	2025-04-24

C803

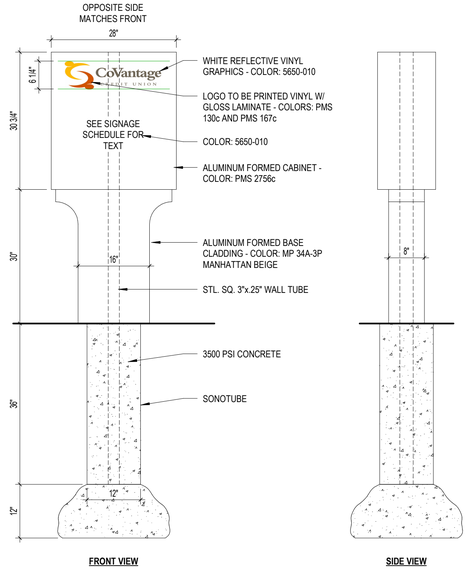
SITE DETAILS/TRASH ENCLOSURE

O25006 CoVantage Credit Union
Kaukauna Branch
5/6/2025 12:22:21 PM
C:\Users\GW\Invent\Documents\O25006 - CoVantage CU Kaukauna - ARCH_gwynveen\WUYMU.rvt
CD

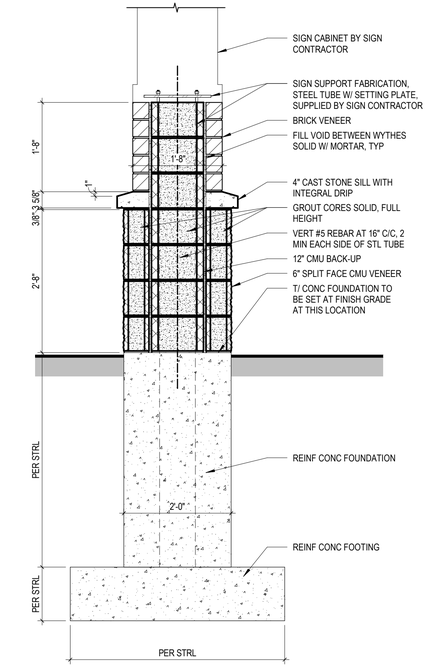
SITE DIRECTIONAL SIGNAGE SCHEDULE		
#	FRONT	BACK
1	ENTER ONLY	ENTER ONLY
2	ENTER DRIVE-UP VIRTUAL TELLER ATM	ENTER DRIVE-UP VIRTUAL TELLER ATM
3	THANK YOU	DO NOT ENTER
4	ENTER DRIVE-UP VIRTUAL TELLER ATM	EXIT ONLY
5	ENTER	DO NOT ENTER
FOR SIGNS WITH DIFFERENT TEXT FRONT/BACK, SIGN FRONT FACES NORTH		



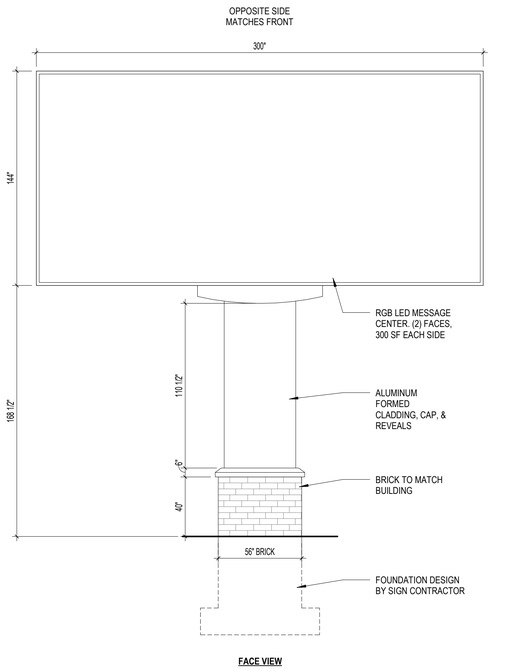
6 Signage Key Plan
1" = 40'-0"



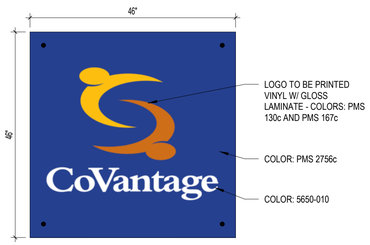
5 Site Directional Signage
3/4" = 1'-0"



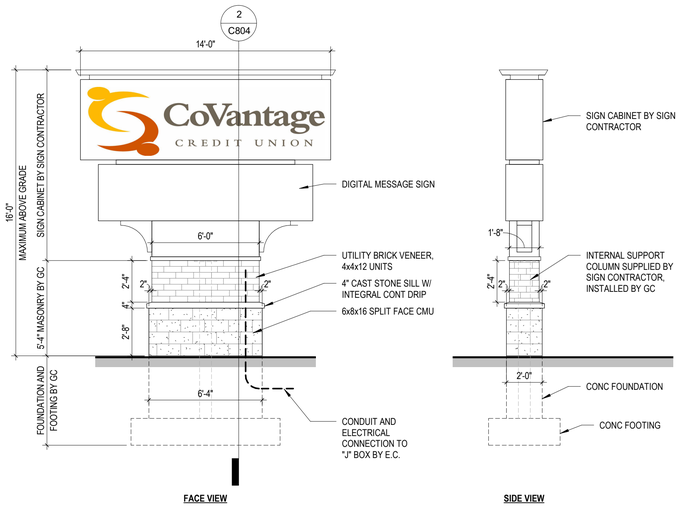
2 Section at Monument Sign
3/4" = 1'-0"



4 LED Message Sign Elevations
1/4" = 1'-0"



3 ITM Wall Sign
3/4" = 1'-0"



1 Monument Sign
1/4" = 1'-0"

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C804

SITE SIGNAGE

025006 CoVantage Credit Union
Kaukauna Branch
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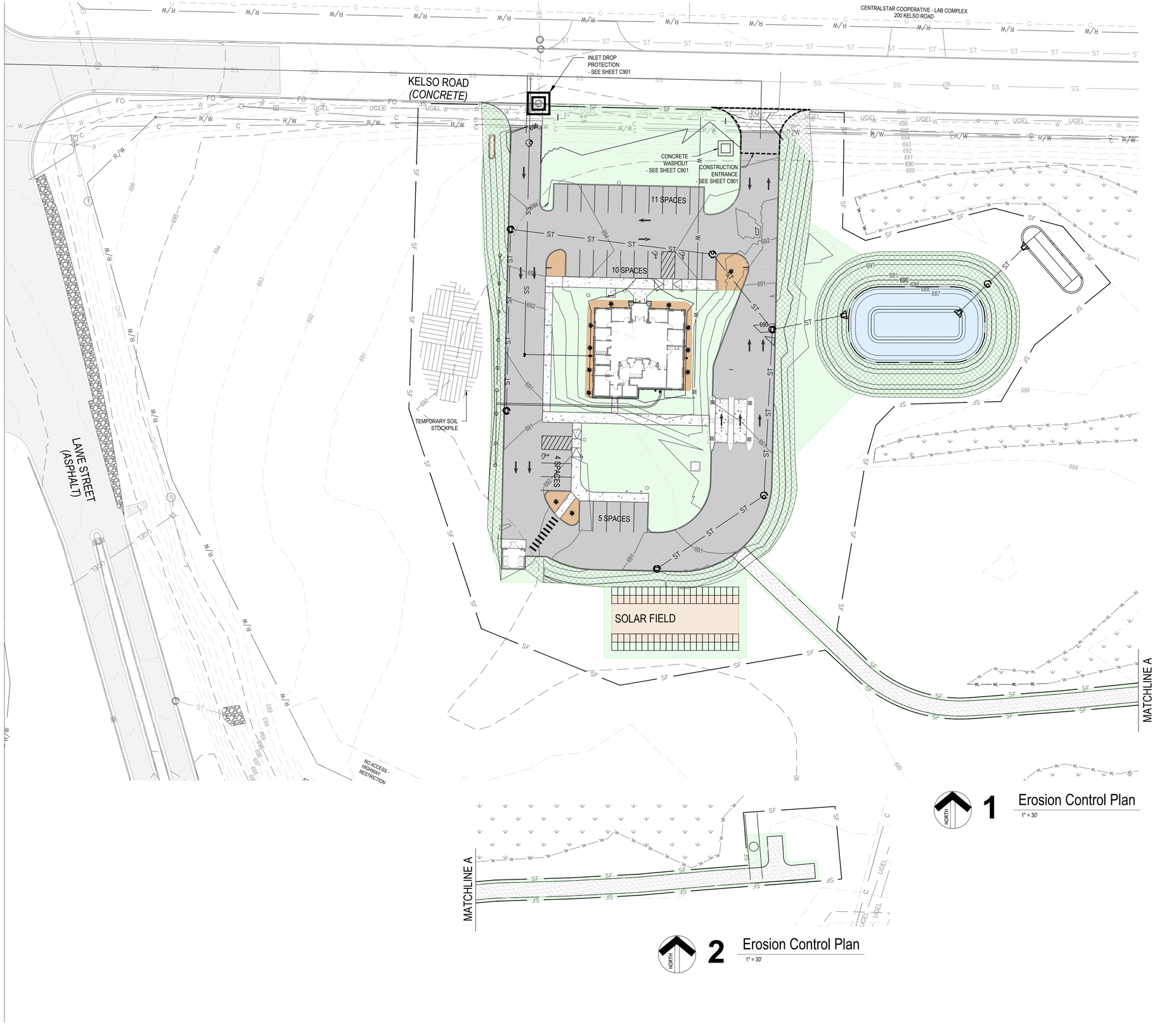
CD



General Erosion Control Notes

1. THE ROADWAYS AND TEMPORARY CONSTRUCTION ENTRANCE SHALL BE KEPT CLEAN OF SEDIMENT AND OTHER DEBRIS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING SAID POLLUTANTS FROM ROADWAYS AS NECESSARY. THERE SHALL BE NO DIRT, DEBRIS OR STORAGE OF MATERIALS IN THE STREET.
2. ALL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS SOON AS APPLICABLE. CONTROL MEASURES SHALL MEET OR EXCEED THOSE SHOWN IN "THE INDIANA STORMWATER QUALITY MANUAL". NOTE: ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR.
3. THE CONTRACTOR SHALL MAINTAIN AND INSPECT ALL EROSION CONTROL MEASURES UNTIL THE PROJECT IS TURNED OVER TO THE OWNER. THE CONTRACTOR SHALL REVIEW THE EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND WITHIN 1 BUSINESS DAY FOLLOWING EACH STORM EVENT OF 1/2" OR MORE. CORRECTIVE MEASURES ARE TO BE TAKEN IF ANY MEASURE IS IN NEED OF REPAIR OR FAILING TO ACHIEVE THE DESIRED EFFECT. THE CONTRACTOR SHALL KEEP A LOG OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES PERFORMED. THE LOG SHALL BE AVAILABLE FOR REVIEW BY A REPRESENTATIVE OF THE CITY OF KAUKAUNA, OUTAGAMIE COUNTY AND ANY OTHER AGENCY HAVING JURISDICTION. THE OWNER WILL ASSUME RESPONSIBILITY FOR THE MAINTENANCE OF THE PERMANENT MEASURES ONLY AFTER ALL CONSTRUCTION IS COMPLETE.
4. NO SEDIMENT SHALL BE ALLOWED TO LEAVE THE SITE. ANY ADDITIONAL MEASURES REQUIRED TO ACCOMPLISH THIS TASK SHALL BE IMPLEMENTED IMMEDIATELY. THE CONTRACTOR SHALL RECTIFY ANY DAMAGES DO TO SEDIMENTS OR EROSION TO ADJACENT PROPERTIES.
5. THE CONTRACTOR SHALL USE WATER TRUCKS AND OTHER REASONABLE METHODS TO REDUCE AIRBORNE AND WIND EROSION.
6. CONTRACTOR SHALL ENSURE WASTES OR UNUSED CONSTRUCTION MATERIALS, GARBAGE, DEBRIS, CLEANING WASTES OR WASTE WATER, ARE NOT CARRIED OFF BY RUNOFF FROM SITE BUT DISPOSED OF IN A PROPER MANNER. TRASH AND DEBRIS LEFT FROM THE CONSTRUCTION ACTIVITY SHALL BE PICKED UP AT THE END OF EACH WORK DAY.
7. CONTRACTOR SHALL INSTALL, IDENTIFY BY SIGN AND MAINTAIN CONCRETE WASHOUT AREA(S).

EC Sequencing and Staging Notes

1. A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER SILT FENCE AND ROCK CHECK DAMS FOR EXISTING DRAINAGE OUTLET (WHERE APPLICABLE) SHALL BE INSTALLED PRIOR TO BEGINNING OTHER EARTH DISTURBING ACTIVITIES.
2. WHENEVER POSSIBLE, EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO PERFORMING OTHER EARTH DISTURBING ACTIVITIES.
3. MINIMIZE EROSION FROM EXPOSED AREAS BY PROVIDING AND MAINTAINING TEMPORARY OR PERMANENT STABILIZATION MEASURES. EROSION CONTROL MEASURES TO PROTECT EXPOSED AREAS SHALL BE INSTALLED AT THE END OF EACH WORK DAY.
4. AREAS TO BE PAVED SHALL BE STABILIZED WITH STONE COVER. THE TEMPORARY STONE COVER SHALL BE EQUIVALENT TO THE PROPOSED STONE BASE MATERIAL.
5. ALL AREAS TO REMAIN UNWORKED FOR MORE THAN 7 DAYS SHALL BE STABILIZED BY COVERING OR BY EQUIVALENT EROSION CONTROL MEASURES.
6. FOR AREAS TO BE PERMANENTLY SEEDED, COMPLETE SEEDING WITHIN 24 HOURS OF REACHING FINAL GRADE. SEE EROSION CONTROL SPECIFICATIONS FOR TEMPORARY SEEDING

symbol key:
- -FABRIC DROP INLET PROTECTION (INITIAL) and -FABRIC BASKET INLET PROTECTION or -STONE BAG RING
- -ROCK CHECK DAM PROTECTION
- -CONCRETE WASHOUT
- -TEMPORARY CONSTRUCTION ENTRANCE
- SF -SILT FENCE ALTERNATE MEASURE: FILTER SOCK
- -TEMPORARY SOIL STOCKPILE
- -EROSION CONTROL BLANKETS
- -EXISTING CONTOUR
- -PROPOSED CONTOUR
- -PROPOSED STORM SEWER

XXX EXISTING MAJOR CONTOUR
XXX EXISTING MINOR CONTOUR
XXX PROPOSED MAJOR CONTOUR
XXX PROPOSED MINOR CONTOUR

New Construction Work for :

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Kaukauna Branch

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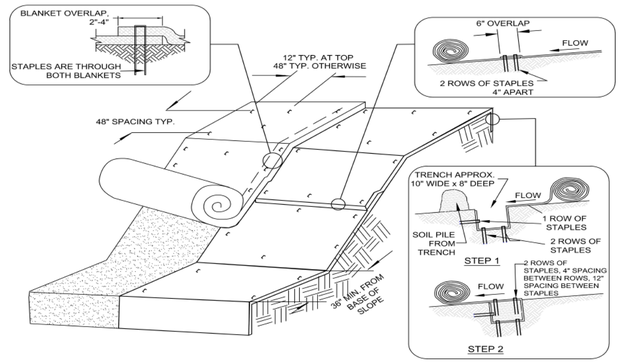
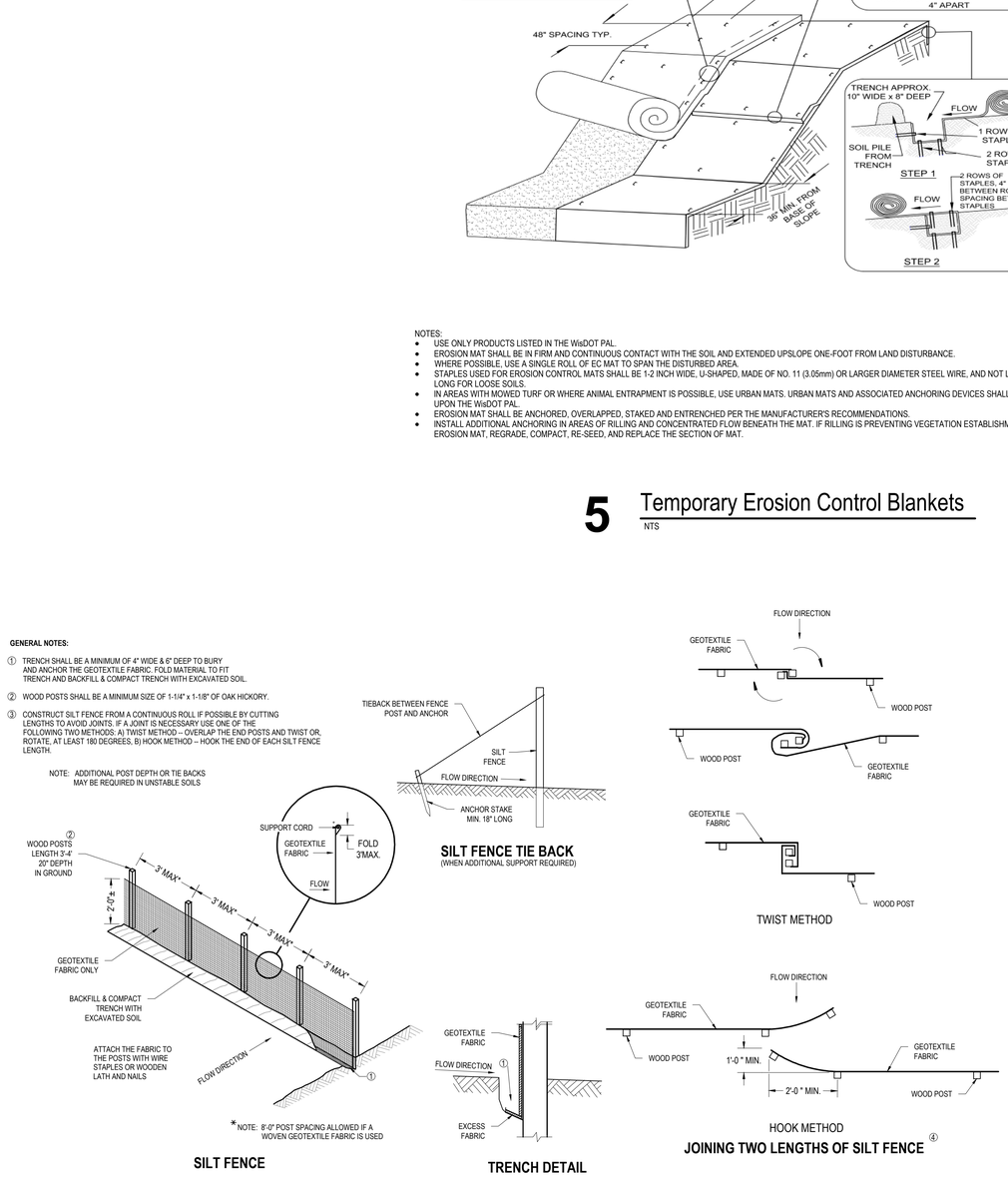
C900

EROSION CONTROL PLAN

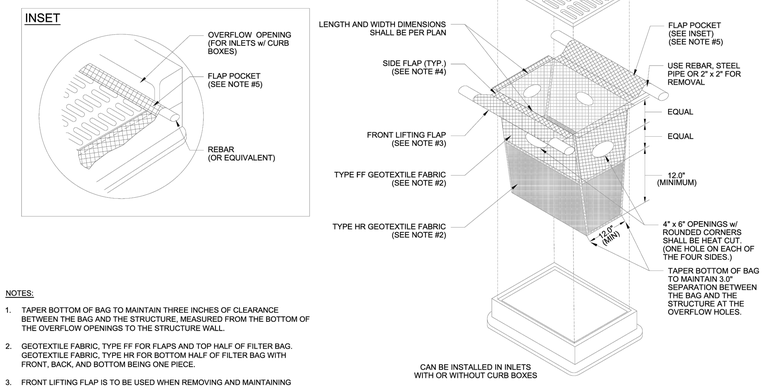


NOTES:
- USE ONLY PRODUCTS LISTED IN THE WisDOT PAL.
- EROSION MAT SHALL BE IN FIRM AND CONTINUOUS CONTACT WITH THE SOIL AND EXTENDED UPSLOPE ONE-FOOT FROM LAND DISTURBANCE.
- WHERE POSSIBLE, USE A SINGLE ROLL OF EC MAT TO SPAN THE DISTURBED AREA.
- STAPLES USED FOR EROSION CONTROL MATS SHALL BE 1-2 INCH WIDE, U-SHAPED, MADE OF NO. 11 (3.05mm) OR LARGER DIAMETER STEEL WIRE, AND NOT LESS THAN 6 INCHES LONG FOR LOOSE SOILS.
- IN AREAS WITH MOWED TURF OR WHERE ANIMAL ENTRAPMENT IS POSSIBLE, USE URBAN MATS. URBAN MATS AND ASSOCIATED ANCHORING DEVICES SHALL BE SELECTED BASED UPON THE WisDOT PAL.
- EROSION MAT SHALL BE ANCHORED, OVERLAPPED, STAKED AND ENTRENCHED PER THE MANUFACTURER'S RECOMMENDATIONS.
- INSTALL ADDITIONAL ANCHORING IN AREAS OF RILLING AND CONCENTRATED FLOW BENEATH THE MAT. IF RILLING IS PREVENTING VEGETATION ESTABLISHMENT, REMOVE EROSION MAT, REGRADE, COMPACT, RE-SEED, AND REPLACE THE SECTION OF MAT.

5 Temporary Erosion Control Blankets
NTS



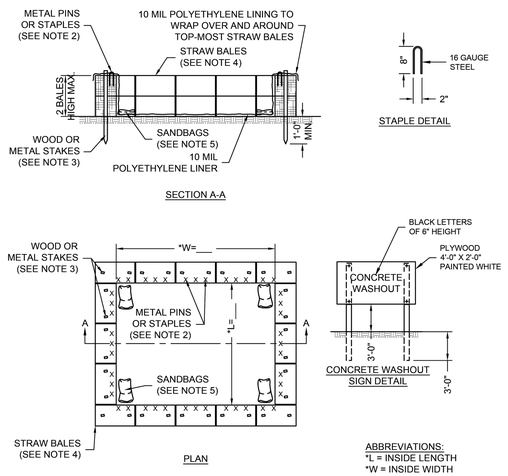
3 Temporary Silt Fence
NTS



NOTES:
1. TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
2. GEOTEXTILE FABRIC, TYPE FF FOR FLAPS AND TOP HALF OF FILTER BAG. GEOTEXTILE FABRIC, TYPE HR FOR BOTTOM HALF OF FILTER BAG WITH FRONT, BACK, AND BOTTOM BEING ONE PIECE.
3. FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
4. SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 2". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

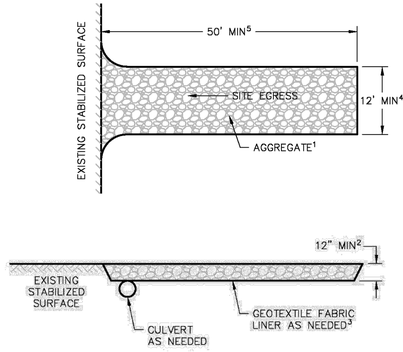
MAINTENANCE NOTES:
1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

4 Temporary Inlet Protection Sediment Control Sack
NTS



NOTES:
1. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10 FT. OF THE TEMPORARY CONCRETE WASHOUT UNIT.
2. THE POLYETHYLENE LINER SHALL BE SECURED TO STRAW BALES WITH METAL PINS OR STAPLES.
3. WOOD OR METAL STAKES TO SECURE THE STRAW BALES (2 PER BALE)
4. ALTERNATIVE MATERIALS CAN BE SUBSTITUTED FOR THE STRAW BALES TO PROVIDE STRUCTURAL CONTAINMENT WITH PRIOR APPROVAL FROM CITY UTILITIES PROGRAM MANAGER.
5. SANDBAGS, GRAVEL-FILLED BAGS OR OTHER APPROPRIATE ANCHORING SYSTEM SHALL BE USED TO HOLD POLYETHYLENE LINING DOWN.
6. PREFABRICATED WASHOUT SYSTEMS MAY BE USED WITH PRIOR APPROVAL FROM PROJECT ENGINEER.
7. THE SYMBOL "*" INDICATES A DIMENSION THAT IS TO BE DESIGNED BASED ON EXPECTED QUANTITY OF MATERIAL

2 Temporary Concrete Washout
NTS



Note 1 Use hard, durable, angular stone or recycled concrete meeting the gradation in Table 1. Where this gradation is not available, meet the gradation in Wisconsin Department of Transportation (DOT) 2018 Standard Specification, Section 312, Select Crushed Material.

Note 2 Slope the stone tracking pad in a manner to direct runoff to an approved treatment practice.

Note 3 Select fabric type based on soil conditions and vehicles loading.

Note 4 Install tracking pad across full width of the access point, or restrict existing traffic to a dedicated egress lane at least 12 feet wide across the top of the pad.

Note 5 If a 50' pad length is not possible due to site geometry, install the maximum length practicable and supplement with additional practices as needed.

1 Temporary Construction Entrance
NTS

New Construction Work for :

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Kaukauna Branch

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Kaukauna, WI 54130

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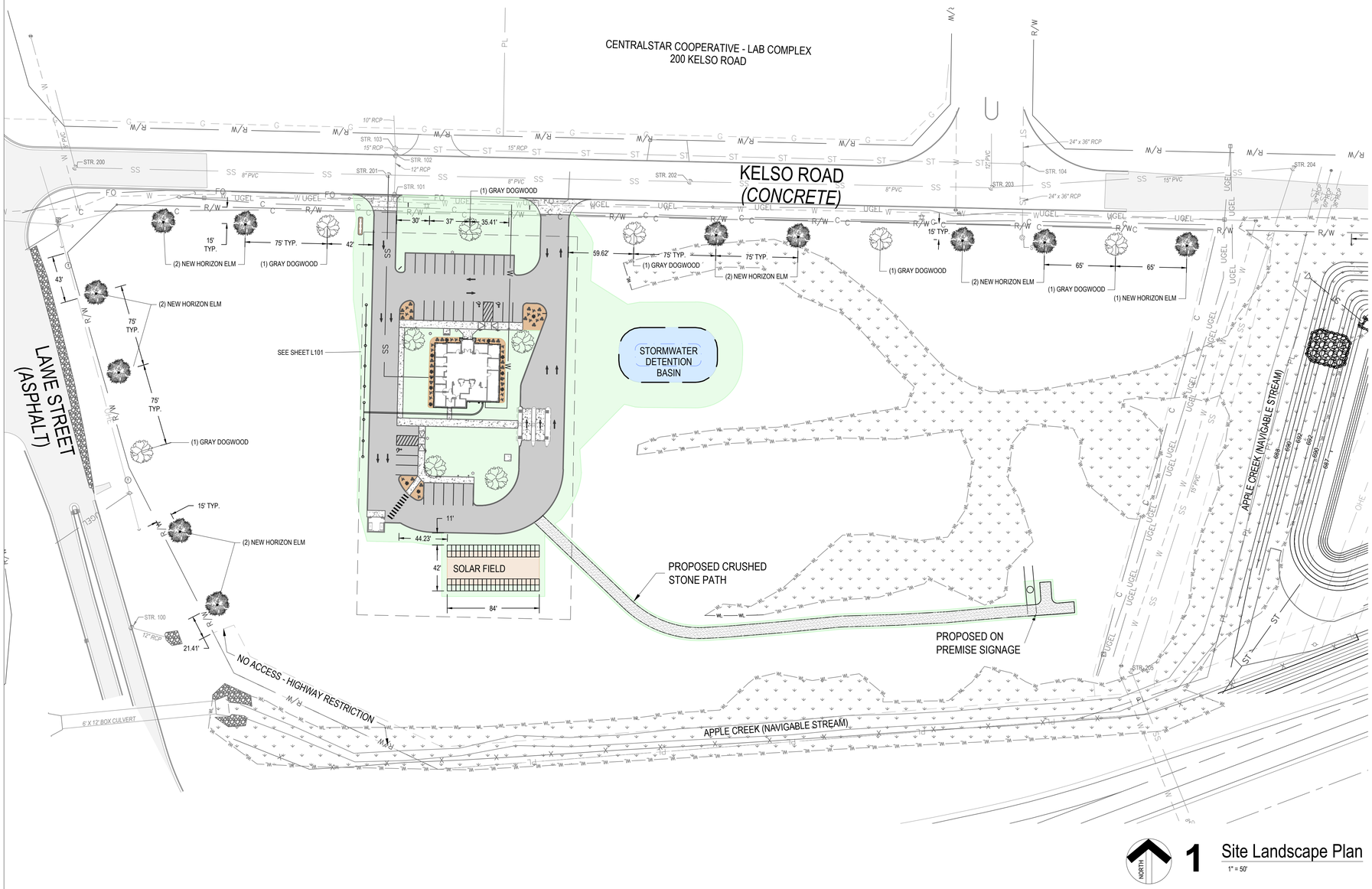
C901

EROSION CONTROL DETAILS

PLANT LIST

TREES

QUANTITY	LOCATION	COMMON NAME	SCIENTIFIC NAME	NATIVE/ ADAPTED	SOIL MOISTURE	SIZE	ROOT	NOTES
6	BUFFER/ STREET TREE	GRAY DOGWOOD	CORNUS RACEMOSA	Y	DRY - MOIST	1 1/2" - 2" CALIPER	B & B	35' O.C. MIN.
11	BUFFER/ STREET TREE	NEW HORIZON ELM	ULMUS 'NEW HORIZON'	Y	DRY - MOIST	1 1/2" - 2" CALIPER	B & B	35' O.C. MIN.



1 Site Landscape Plan
1" = 50'

General Construction Notes

1. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH STATE, COUNTY AND LOCAL CODES INCLUDING ALL AMENDMENTS.
2. ALL PERMITTING FEES SHALL BE PAID FOR BY THE CONTRACTOR.
3. CONTRACTOR SHALL PROTECT ALL ADJACENT IMPROVEMENTS, BUILDINGS, INFRASTRUCTURE, PAVEMENTS, PAVEMENT MARKINGS, WALKS, GRASS, ETC DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED/ REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
4. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL PLACE APPROPRIATE EROSION CONTROL MEASURES TO ENSURE NO SEDIMENT LEAVES THE SITE OR ENTERS ON-SITE OR PUBLIC STORM SYSTEMS (SEE C900).
5. CONTRACTOR TO MATCH CONSTRUCTION LIMITS TO EXISTING GRADES AND PROVIDE POSITIVE DRAINAGE TO EXISTING DRAINAGE PATHS/ SYSTEMS.
6. CONTRACTOR SHALL ADJUST ALL CASTINGS TO GRADE WITHIN OR ADJACENT TO THE WORK.
7. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS BY PLACING TOPSOIL, IF REQUIRED, GRADING TO ESTABLISH POSITIVE DRAINAGE, SEEDING AND MULCH.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL TRADES, LOCAL /COUNTY JURISDICTIONS AND UTILITIES.

- PROPOSED SANITARY MANHOLE
- EXISTING SANITARY MANHOLE
- PROPOSED STORMSEWER MANHOLE
- EXISTING STORMSEWER MANHOLE
- GRASS SEED
- EX. ASPHALT PAVEMENT SECTION
- STANDARD DUTY ASPHALT SECTION
- PR. DETENTION BASIN
- CONCRETE PAVEMENT SECTION
- RIP RAP
- LANDSCAPE STONE / PEA GRAVEL
- MULCH / LANDSCAPE BED
- DELINEATED WETLANDS

- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE

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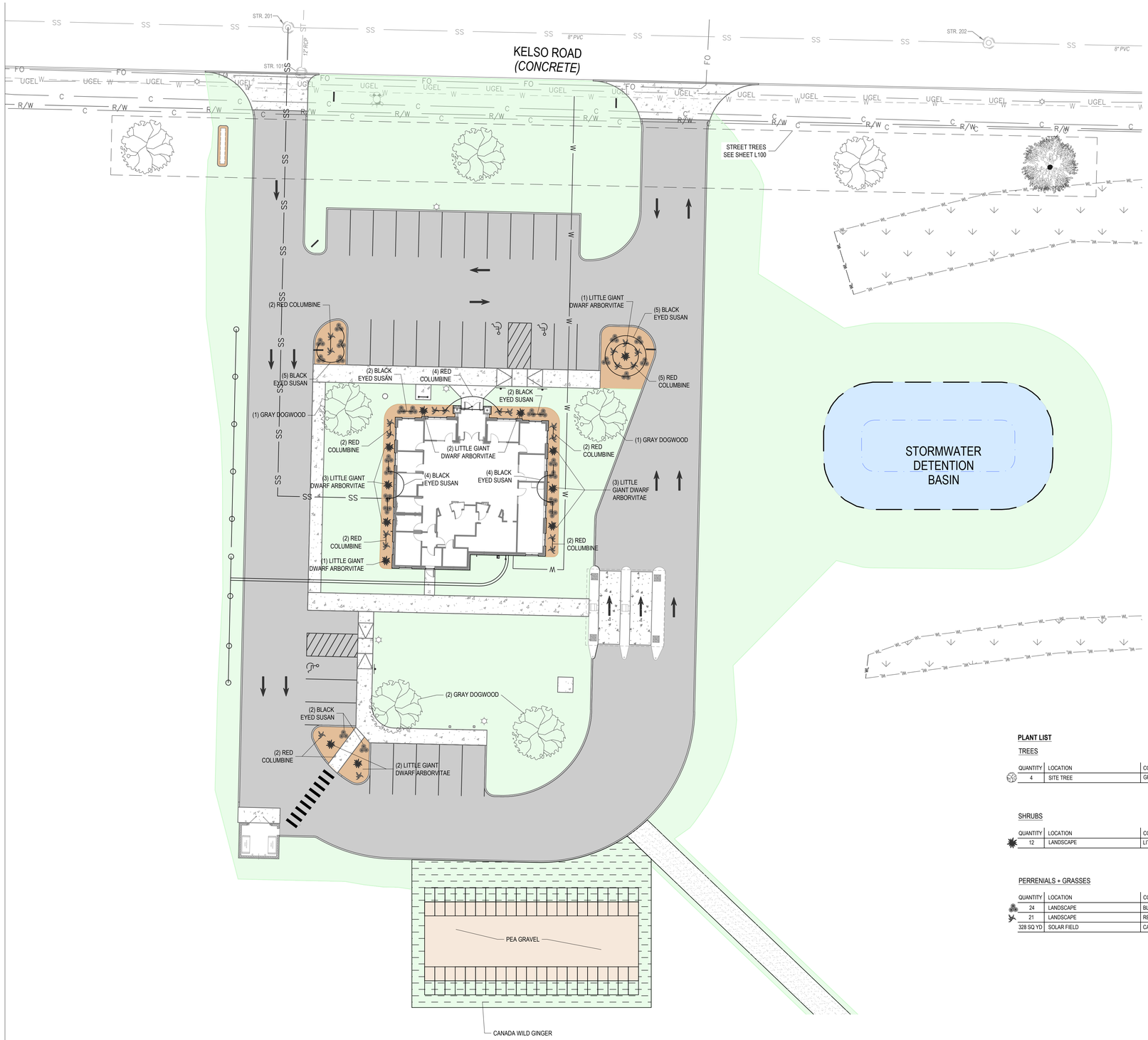
L100

SITE LANDSCAPE PLAN



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- EX. ASPHALT PAVEMENT SECTION
- STANDARD DUTY ASPHALT SECTION
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- CONCRETE PAVEMENT SECTION
- RIP RAP
- LANDSCAPE STONE / PEA GRAVEL
- MULCH / LANDSCAPE BED
- DELINEATED WETLANDS
- MULCH / LANDSCAPE BED
- XXX — EXISTING MAJOR CONTOUR
- XXX — EXISTING MINOR CONTOUR
- XXX — PROPOSED MAJOR CONTOUR
- XXX — PROPOSED MINOR CONTOUR
- SS — EXISTING SANITARY SEWER
- SS — PROPOSED SANITARY SEWER
- ST — EXISTING STORM SEWER
- ST — PROPOSED STORM SEWER
- W — EXISTING WATER LINE
- W — PROPOSED WATER LINE

PLANT LIST

TREES

QUANTITY	LOCATION	COMMON NAME	SCIENTIFIC NAME	NATIVE/ ADAPTED	SOIL MOISTURE	SIZE	ROOT	NOTES
4	SITE TREE	GRAY DOGWOOD	CORNUS RACEMOSA	Y	DRY - MOIST	1 1/2" - 2" CALIPER	B & B	35' O.C. MIN.

SHRUBS

QUANTITY	LOCATION	COMMON NAME	SCIENTIFIC NAME	NATIVE/ ADAPTED	SOIL MOISTURE	SIZE	ROOT	NOTES
12	LANDSCAPE	LITTLE GIANT DWARF ARBORVITAE	THUJA OCCIDENTALIS	Y	DRY - MOIST	1' HT. MIN.	B & B	3' O.C. MIN.

PERRENIALS + GRASSES

QUANTITY	LOCATION	COMMON NAME	SCIENTIFIC NAME	NATIVE/ ADAPTED	SOIL MOISTURE	SIZE	ROOT	NOTES
24	LANDSCAPE	BLACK EYED SUSAN	RUDBECKIA HIRTA	Y	DRY, MEDIUM, MOIST	15" HT. MIN.	CONTAINER	12" - 18" O.C. MIN.
21	LANDSCAPE	RED COLUMBINE	AQUILEGIA CANADENIS	Y	DRY, MEDIUM	15" HT. MIN.	CONTAINER	12" - 18" O.C. MIN.
328 SQ YD	SOLAR FIELD	CANADA WILD GINGER	ASARUM CANADENSE	Y	MEDIUM	4" HT. MIN.	CONTAINER	12" - 18" O.C. MIN.

1 Site Landscape Plan
1" = 20'

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Kaukauna Branch

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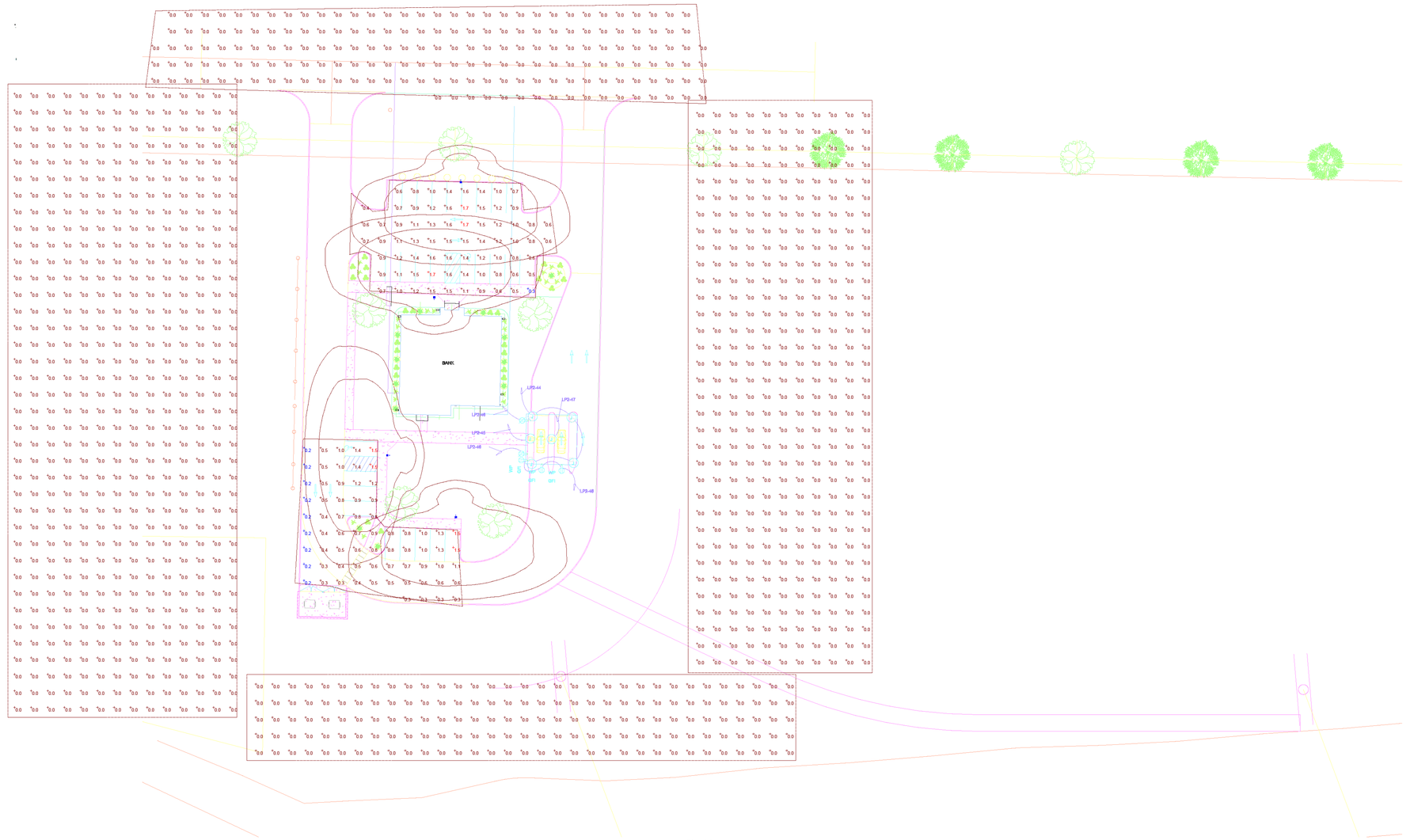
L101

SITE LANDSCAPE PLAN



Plan View
Scale - 1" = 30ft

Schedule

Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Lumens Per Lamp	Light Loss Factor	Wattage
	A		4	Lithonia Lighting	DSX1 LED P1 40K 80CRI T3M	D-Series Size 1 Area Luminaire P1 Performance Package 4000K CCT 80 CRI Type 3 Medium	6968	0.9	50.9

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
East TRespass	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
Front Parking Lot	+	1.1 fc	1.7 fc	0.3 fc	5.7:1	3.7:1
North Trespass	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
Rear Parking Lot	+	0.7 fc	1.5 fc	0.2 fc	7.5:1	3.5:1
South Trespass	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
West Trespass	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A

COVANTAGE KAUKAUNA SITE PHOTOMETRIC

Designer VRK
Date 05/06/2025
Scale Not to Scale
Drawing No.
Summary

1 of 1

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E002

ELECTRICAL SITE PHOTOMETRIC PLAN

025006 CoVantage Credit Union
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Project Status

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SYMBOLS KEY

EARTHWORK: EARTH/ UNDISTURBED FILL; EARTH/ COMPACTED FILL; GRANULAR FILL; SAND

WOOD: LUMBER; FINISH WOOD; WOOD BLOCKING; PLYWOOD

CONCRETE: CONCRETE

INSULATION: BATT/LOOSE INSULATION; RIGID INSULATION

GLASS: GLASS; GLASS BLOCK

MASONRY: CONCRETE MASONRY UNIT; BRICK

METALS: STEEL; ALUMINUM

NORTH ARROW

L0001 M — NON-ASBESTOS BUILDING MATERIAL TEST LOCATION
DENOTES PROJECT COMMISSION NUMBER/TEST CUT NUMBER
DENOTES APPLICATION OF BUILDING MATERIAL ASSEMBLY AS ROOF (M)EMBRANE OR (F)LASHING

100'-0" NEW ELEVATION POINT

100'-0" EXISTING ELEVATION POINT

L0001 F — ASBESTOS BUILDING MATERIAL TEST LOCATION
DENOTES PROJECT COMMISSION NUMBER/TEST CUT NUMBER
DENOTES APPLICATION OF BUILDING MATERIAL ASSEMBLY AS ROOF (M)EMBRANE OR (F)LASHING

ELEVATION TARGET EL=100'-0"

ENLARGED PLAN/DETAIL

1 — COLUMN CENTERLINE

1 / A101 — DETAIL / SHEET

1 / A101 — BUILDING SECTION

1 / A101 — DETAIL / SHEET ELEVATIONS

1 / A101 — WALL SECTION

OFFICE 104 — ROOM NAME / ROOM NUMBER

XX — WORK DESCRIPTION NOTE

XX — DEMO WORK DESCRIPTION NOTE

XX — DETAIL DESCRIPTION NOTES

XX — WINDOW OR ROOF AREA

AREA MAP

INDEX OF DRAWINGS

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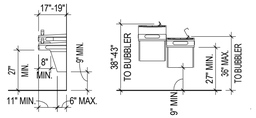
4/25/2025 10:17:03 AM

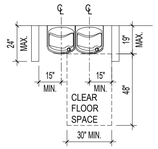
1. DRINKING FOUNTAINS AND WATER COOLERS - SPOUT LOCATION - THE SPOUT OF THE DRINKING FOUNTAINS AND WATER COOLERS SHALL BE AT THE FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES MINIMUM IN HEIGHT. THE ANGLE OF THE WATER STREAM FROM SPOUTS WITHIN 3 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN SHALL BE 30 DEGREES MAXIMUM, AND FROM SPOUTS BETWEEN 3 AND 5 INCHES FROM THE FRONT OF THE FOUNTAIN SHALL BE 15 DEGREES MAXIMUM MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE DRINKING FOUNTAIN.



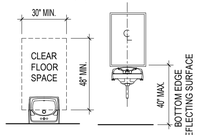
TYPICAL DRINKING FOUNTAIN / WATER COOLER

1. LAVATORIES & SINKS - EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

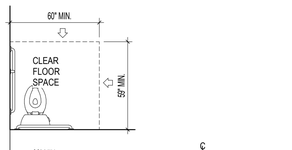
2. FAUCETS - LEVER OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. IF SELF CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST TEN (10) SECONDS.

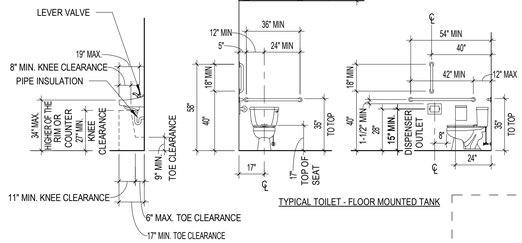


DRINKING FOUNTAIN FRONT APPROACH



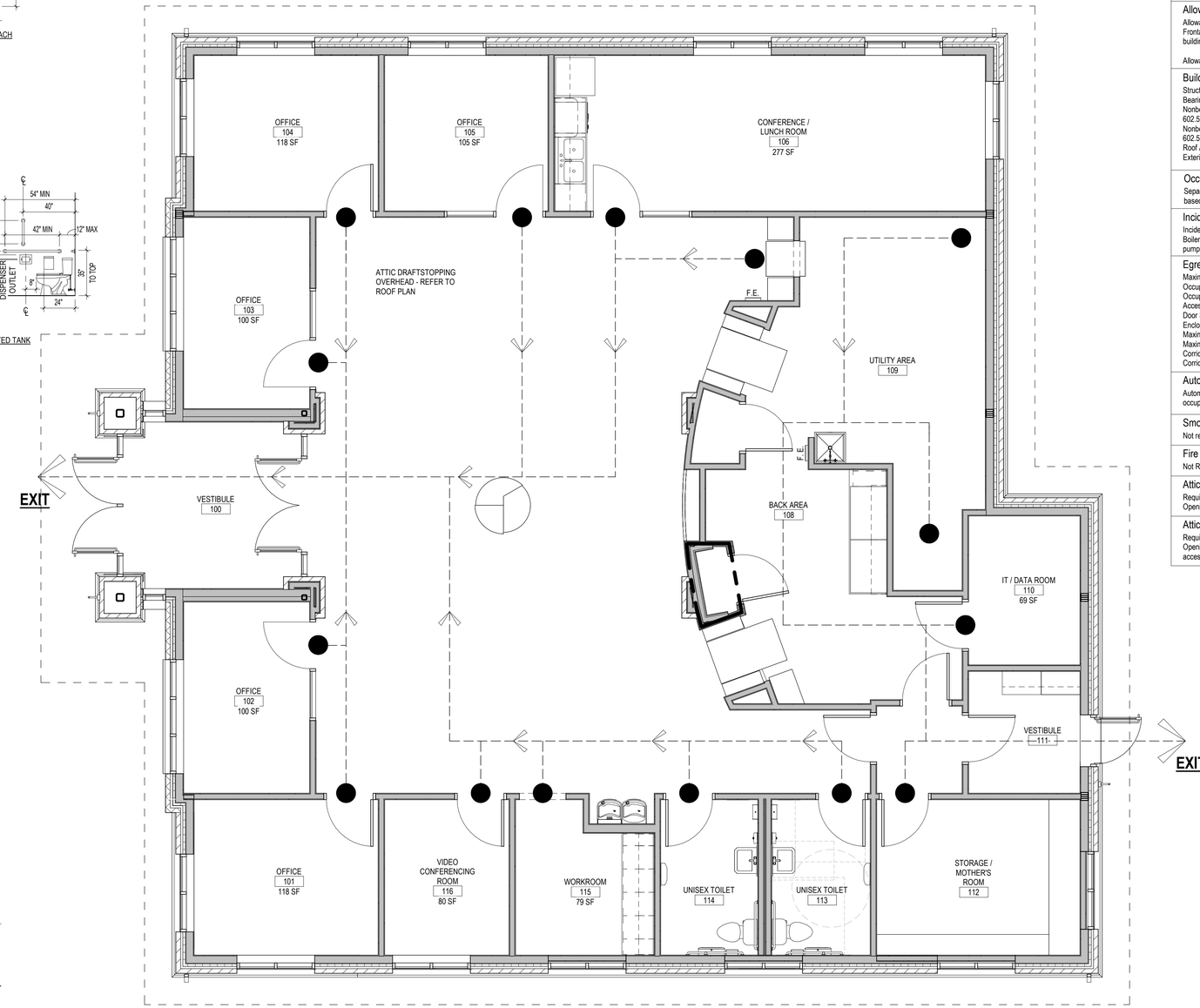
LAVATORY - WALL MOUNT

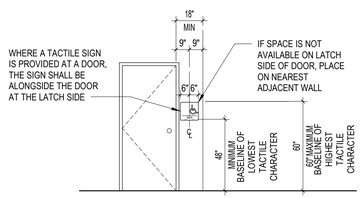




TYPICAL TOILET - FLOOR MOUNTED TANK

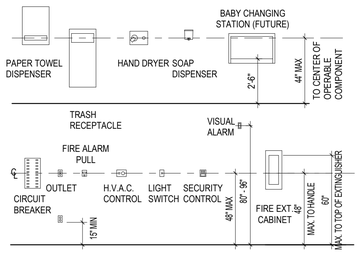
4 ADA Clearances
1/4" = 1'-0"





ROOM SIGNAGE

3 Signage
1/4" = 1'-0"



MOUNTING HEIGHTS

2 Typ Mounting Locations
1/4" = 1'-0"

NORTH

1 Life Safety Plan
1/4" = 1'-0"

MAIN PUBLIC AREA IS EXITED VIA A SINGLE EXIT (FRONT ENTRANCE) PER WISCONSIN BUILDING CODE SECTION 1006.3.2 SINGLE EXIT. RESTRICTED ACCESS EMPLOYEE AREA IS EXITED VIA BACK (SOUTH) ENTRANCE.

LEGEND

- PATH OF EGRESS
- DRAFT STOP
- SMOKE PARTITION
- SMOKE BARRIER
- SHAFT WALL
- FIRE PARTITION
- FIRE WALL
- FIRE BARRIER

Code Summary

Code:
Wisconsin Building Code - 2018 Edition
(International Building Code, 2015 Edition, with Wisconsin Amendments)
Wisconsin Fire Code - 2014 Edition
Plumbing Code - 2012 Edition
International Mechanical Code - 2015 Edition
International Fuel Gas Code - 2012 Edition
Electrical Code - 2009 Edition
International Energy Code - 2010 Edition

Occupancy Classifications:
B: Office and Administrative [304.1]
B: Accessory [304.1]

Construction Type:
Type VB Construction - Two or more buildings on the same lot are within the limits of Table 503 [503.1.2]

Building Areas:
Total Existing: 0 Square Feet
New construction: Office 3,479 Square Feet
Renovation: 0 Square Feet
Addition: 0 Square Feet
Total Complete: 3,479 Square Feet

Allowable Height & Area:
Allowable area per floor: 15,750 square feet
Frontage increase allowed due to 60 feet wide open space surrounding building [506]

Allowable height of 2 stories / 40 feet [T503]

Building Elements:
Structural Frame - Any material permitted by code [T601, 602.5]
Bearing Walls - Any material permitted by code [T601, 602.5]
Nonbearing walls (Exterior) - Any material permitted by code [T601, 602.5]
Nonbearing walls (Interior) - Any material permitted by code [T601, 602.5]
Roof Assembly - [T601]
Exterior Walls - Any material permitted by code [T601, 602.5]

Occupancy Separations:
Separations not required between S & B Occupancies based upon nonseparated occupancies. [508.3]

Incidental Uses:
Incidental use - No separations required [T509]
Boiler/Mechanical Room: Equipment is under 400,000 btu's and boiler pumps are less than 10 hp and system less than 15 psi [T509]

Egress:
Maximum travel distance to an exterior exit: 200' [1016.2]
Occupant Load: 1 occupant per 100 gross sf [T1004.1.2]
Occupant Load: 1st floor - 34 occupants (calculated)
Accessible means of egress: Yes [1007.1, EX1]
Door Swing in direction of egress: Yes [1008.1.2]
Enclosed Stair: Not Applicable [1009.3, EX1]
Maximum Travel Distance: 200' [T1016.2]
Maximum Common Path of Egress Travel: 75' [T1014.3]
Corridor Fire Resistance: 0 0 Hour [T1018.1]
Corridor Minimum width: 36" 36" [T1018.2]

Automatic Sprinklers:
Automatic sprinklers are not required based upon an area building and occupant load. [903.2.1, 507.4, Table 903.2]

Smoke Detectors:
Not required [907.2.1, 907.2.2, Table 907.2]

Fire Alarm:
Not Required [907.2.1, 907.2.2, Table 907.2]

Attic Draftstopping:
Requirement - subdivide attic into areas <3000 SF [718.4, 718.4.3]
Opening Protection - self closing door w/ automatic latch [718.4.1.1]

Attic Access:
Required for attics w/ <30" headroom [1209.2]
Opening size - not less than 20"x30" to any attic space required to have access [1209.2]

New Construction Work for :

CoVantage Credit Union
Kaukauna Branch

101 E Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

MARTIN RILEY
architects · engineers
404 N. Main Street, Suite 601
Oshkosh, WI 54901
www.martin-riley.com
pho 920.267.3600

MARTIN RILEY
DOCUMENT IN PROGRESS
NOT FOR CONSTRUCTION

REVISION: DATE:

DRAWN BY: GW
REVIEWED BY: NH
COMMISSION NUMBER: O25006
DATE: 2025-04-24

A001

LIFE SAFETY PLAN

O25006 CoVantage Credit Union
Kaukauna Branch
4/29/2025 10:17:04 AM
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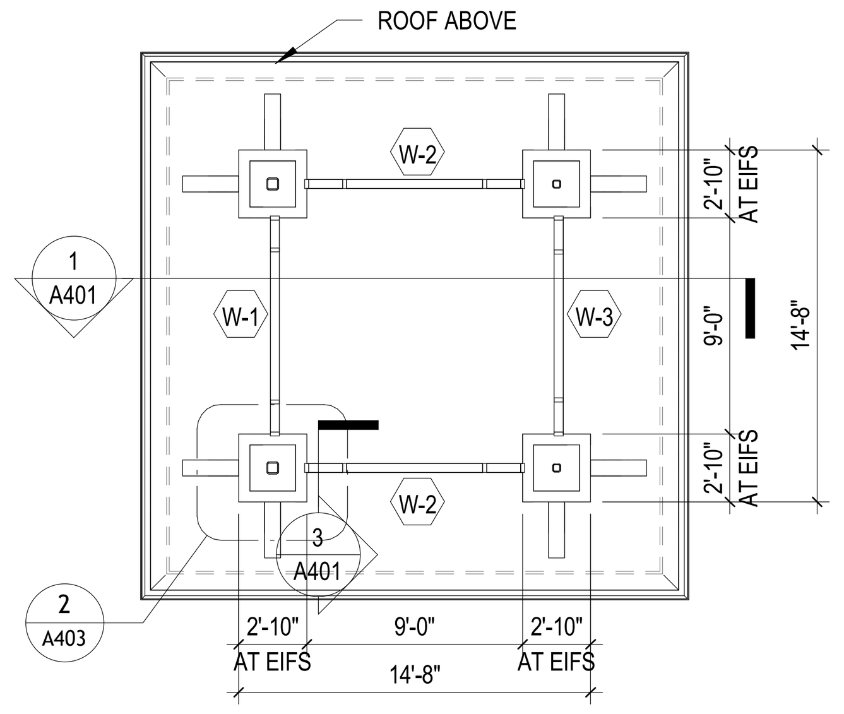
CD

Item 4.d.

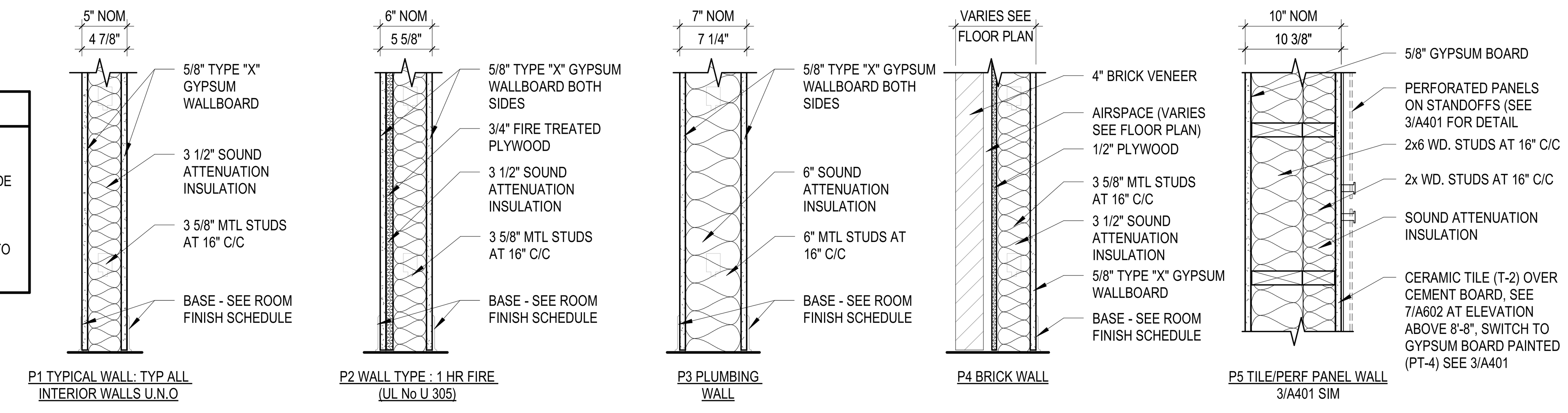


5 Upper Vestibule Plan

1/8" = 1'-0"

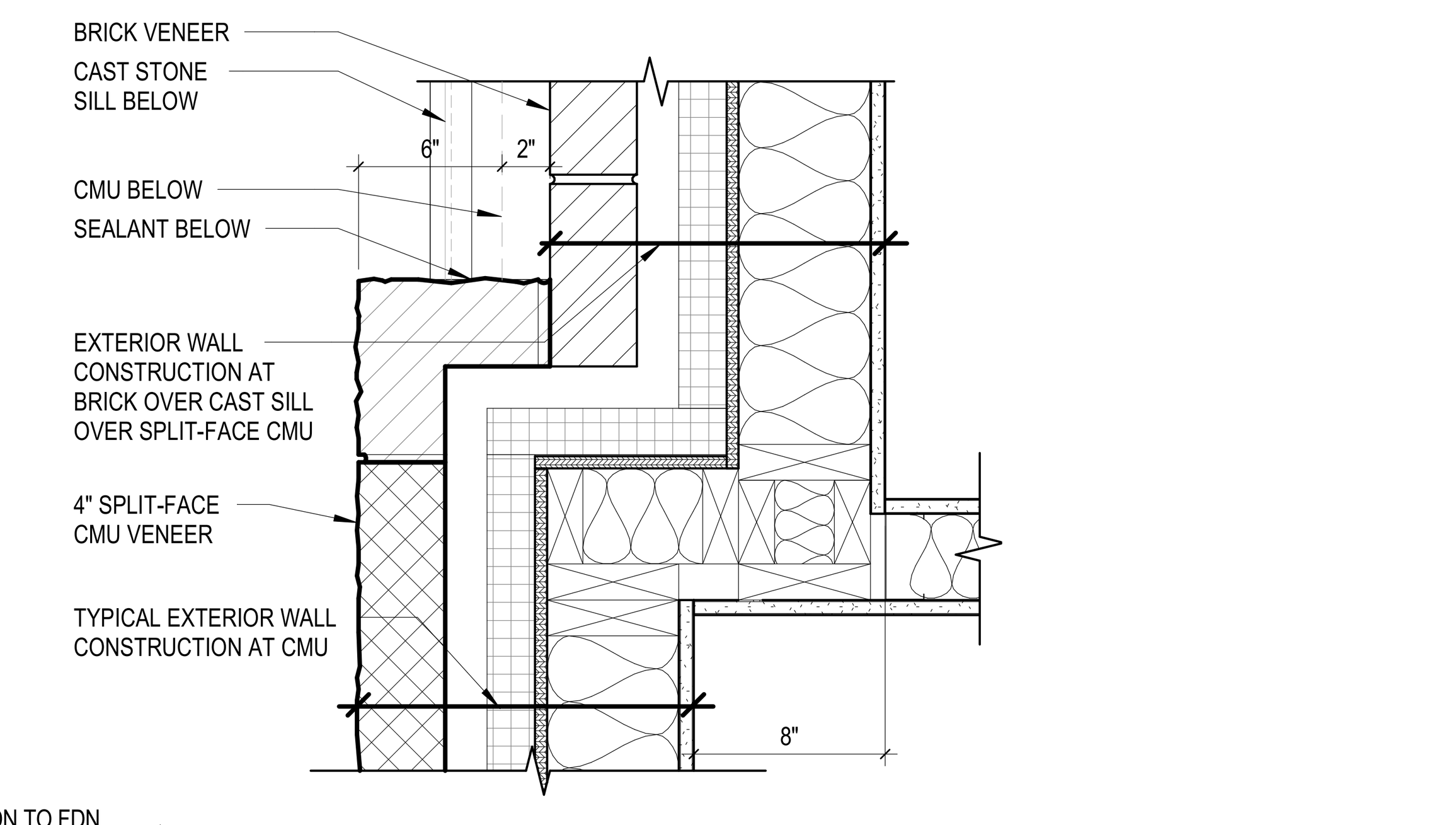
PARTITION WALL NOTES

1. PROVIDE SLIP-TYPE DEFLECTION HEAD TRACKS AT TOPS OF ALL INTERIOR PARTITIONS AT UNDERSIDE OF ROOF FRAMING - TYPICAL
2. PROVIDE WOOD BLOCKING AT ALL LOCATIONS WHERE CABINETRY, CASEWORK, TRIM ETC. ATTACHES TO METAL STUD WALL TYPES



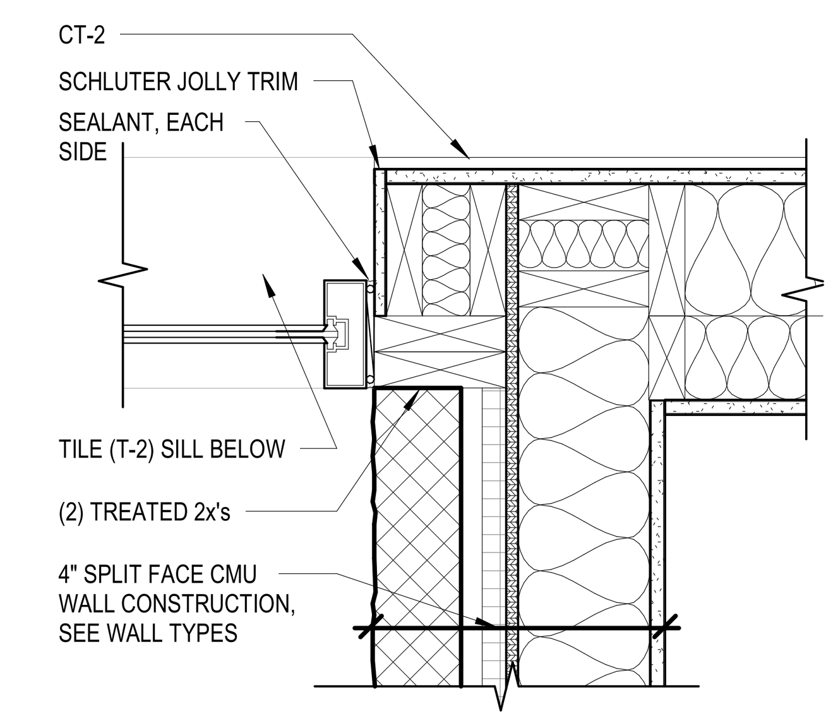
4 Partition Types

1" = 1'-0"



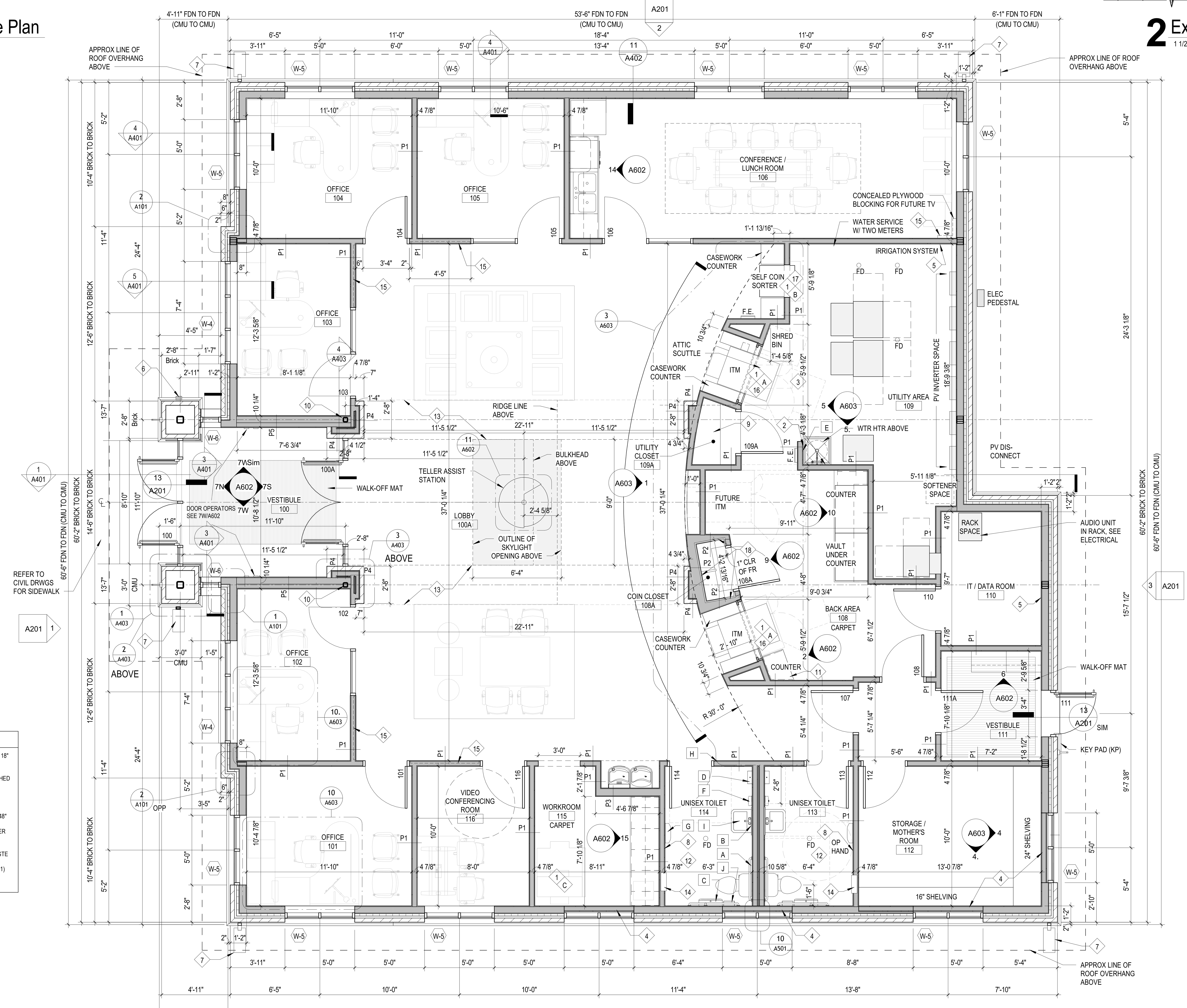
2 Exterior Outside Corner Dtl

1 1/2" = 1'-0"



1 Tile/CMU at Vestibule

1 1/2" = 1'-0"



3 Floor Plan

1/4" = 1'-0"

New Construction Work for :

CoVantage Credit Union
Kaukauna Branch

101 E Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

Work Description Notes

1 EQUIPMENT BY OWNER: A INTERACTIVE TELLER MACHINE, B SELF COIN SORTER, C COPY MACHINE. GWB TO HAVE 'J' CASING BEAD.
2 FRP BOARD, SEE ELEVATION 5/A603
3 20" x 30" ATTIC ACCESS HATCH, SEE DETAIL 4/A301.
4 FLUSH GWB WALL INSIDE WITH 5/8" GWB AND 2X4 FRAMING AS NEEDED WITH STUD THICK BATT INSULATION AND, TO INSIDE, VAPOR BARRIOR
5 6x8x3/4 GRADE A-C PLYWOOD, TOP AT 7'-6" AFF. SECURELY ATTACH TO WALL AND PAINT WITH TWO (2) COATS OF LIGHT-COLORED FIRE RETARDANT PAINT.
6 KNOX BOX FOR FIRE DEPARTMENT ACCESS - CONFIRM EXACT LOCATION WITH AHJ
7 CONCRETE SPLASH BLOCK, TYPICAL AT ALL ROOF DRAIN LEADERS AND DOWNSPOUTS EMPTYING TO GRADE, SEE FLOOR PLAN FOR LOCATIONS.
8 30Wx16H IN-WALL BLOCKING (1'-7" FROM CORNER AND 3'-1" AFF TO CENTER) FOR FUTURE BABY CHANGING STATION.
9 (5) 3/4" P-LAM (PL-1) CUSTOM SIZE ADJUSTABLE SHELVES
10 FURR OUT COLUMN
11 COUNTER - REFER TO 2/A602
12 PROVIDE BLOCKING FOR ALL EQUIPMENT INCLUDING OWNER SUPPLIED
13 ARCHED BOTTOM BULKHEAD ABOVE
14 RECESSED WALL HEATER -SEE MECHANICAL
15 PROVIDE BLOCKING FOR OWNER-SUPPLIED TV
16 TO ROOM 108/109 SIDE, 1x4 TRIM WITH WEATHERSTRIPPING AT JAMBS AND (JUST ABOVE MACHINE) HEAD OF WALL OPENING AT ITM AND COIN SORTER OPENINGS, PAINT TO MATCH ADJACENT WALL
17 TO ROOM 109 SIDE, 1x4 TRIM WITH WEATHERSTRIPPING AT JAMBS AND (JUST ABOVE MACHINE) HEAD OF WALL OPENING AT ITM AND COIN SORTER OPENINGS, PAINT TO MATCH ADJACENT WALL
18 WALL TO BE CONSTRUCTED OF TWO LAPPING STUD WALLS TO ACCOUNT FOR VARYING WIDTH

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architects · engineers
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Oshkosh, WI 54901
www.martin-riley.com
pho 920.267.3600

General Notes

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL OR OTHER GOVERNING BODIES' CODES. ADDITIONALLY, WORK SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE INDUSTRY STANDARDS OR GUIDELINES.
2. ALL DIMENSIONS ARE TO THE FACE OF MASONRY, FACE OF EXISTING WALL AND/OR FACE OF NEW FRAMING UNLESS NOTED OTHERWISE.
3. INDICATED DIMENSIONS ARE TAKEN FROM CASUAL FIELD OBSERVATIONS AND EXISTING DRAWINGS. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES. ALL CHANGES TO THE WORK SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PROCEEDING.
4. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING CONSTRUCTION EFFORTS OF ALL SUB-CONTRACTORS. FAILURE TO ANTICIPATE CHANGES OR MODIFICATIONS SHALL NOT BE THE BASIS FOR ADDITIONAL COST REQUESTS.
5. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
6. CONTRACTOR TO PROVIDE EITHER 2x WOOD BLOCKING INFILL OR METAL BACKING PLATES FOR THE SUPPORT OF ALL WALL MOUNTED EQUIPMENT INCLUDING CABINETRY, TOILET ACCESSORIES, ETC. AS REQUIRED TO ALLOW FOR PROPER ATTACHMENT. CONTRACTOR TO FIELD VERIFY THE SCOPE OF WORK.
7. FURNITURE SHOWN ON FLOOR PLAN IS REPRESENTATIONAL ONLY AND ITS SUPPLY AND INSTALLATION IS NIC.
8. ALL PENETRATIONS THROUGH WALL, CEILING, AND FLOOR ASSEMBLIES ARE TO BE SEALED.

TOILET ACCESSORY KEY

A. GRAB BARS (42" SIDE, 36" REAR, 18" VERTICAL)
B. MIRROR
C. TOILET PAPER HOLDER (FURNISHED AND INSTALLED BY OWNER)
D. PAPER TOWEL DISPENSER (FURNISHED AND INSTALLED BY OWNER)
E. MOP/BROOM STRIP - MOUNT AT 48" A.F.F. (MECH)
F. WALL MOUNTED SOAP DISPENSER (FURNISHED AND INSTALLED BY OWNER)
G. WALL MOUNTED RECESSED WASTE RECEPTACLE
H. BATHROOM SIGNAGE (SEE 3/A001)
I. UNDERLAVATORY PIPE GUARDS
J. SANITARY NAPKIN DISPOSAL

REVISION: DATE:

DRAWN BY: GW
REVIEWED BY: NH
COMMISSION NUMBER: O25006
DATE: 2025-04-24

A101

FLOOR PLAN, WALL TYPES, MISC DETAILS

O25006 CoVantage Credit Union
Kaukauna Branch
4/25/2025 10:17:05 AM
CD

Door & Frame Schedule

REFER TO FINISH LEGEND ON A601

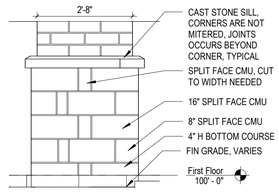
Door Number	Door: Leaf Count	Door: Size (each leaf) Width	Door: Size (each leaf) Height	Door: Material	Door: Elevation	Door: Finish	Frame: Type	Frame: Material	Frame: Finish	Fire Rating	Hardware	Remarks
100	2	3'-0"	7' - 0"	AL	C	PF	1	AL	PF		HG-AL1	1, 2
100A	2	3'-0"	7' - 0"	AL	C	PF	1	AL	PF		HG-AL2	1
101	1	3'-0"	7' - 0"	WD	A	PF	2	HM	PT-4		HG-01	
102	1	3'-0"	7' - 0"	WD	A	PF	3	HM	PT-4		HG-01	
103	1	3'-0"	7' - 0"	WD	A	PF	3	HM	PT-4		HG-01	
104	1	3'-0"	7' - 0"	WD	A	PF	2	HM	PT-4		HG-01	
105	1	3'-0"	7' - 0"	WD	A	PF	3	HM	PT-4		HG-01	
106	1	3'-0"	7' - 0"	WD	A	PF	3	HM	PT-4		HG-02	
107	1	3'-0"	7' - 0"	WD	B	PF	4	HM	PT-4		HG-03	
108	1	3'-0"	7' - 0"	WD	B	PF	4	HM	PT-4		HG-05	
108A	1	3'-0"	7' - 0"	WD	B	PF	4	HM	PT-4	45 MIN	HG-04	
109A	1	3'-0"	7' - 0"	WD	B	PF	4	HM	PT-4		HG-01	
110	1	3'-0"	7' - 0"	WD	B	PF	4	HM	PT-4		HG-03	
111	1	3'-0"	7' - 0"	AL	C	PF	2	AL	PF		HG-AL3	2
111A	1	3'-0"	7' - 0"	WD	B	PF	4	HM	PT-4		HG-03	
112	1	3'-0"	7' - 0"	WD	B	PF	4	HM	PT-4		HG-09	
113	1	3'-0"	7' - 0"	WD	B	PF	4	HM	PT-4		HG-09	
114	1	3'-0"	7' - 0"	WD	B	PF	4	HM	PT-4		HG0-9	
116	1	3'-0"	7' - 0"	WD	A	PF	2	HM	PT-4		HG-01	

REMARKS

1. POWER DOOR OPERATOR
2. INSULATED 1" GLASS

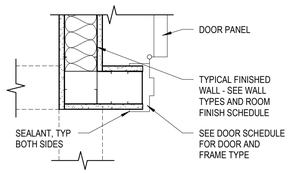
GENERAL NOTES

1. PAINT HOLLOW METAL DOOR, FRAMES AND HOLLOW METAL WINDOW FRAMES IN ALL ROOMS WHERE WORK IS BEING PERFORMED
2. PROVIDE SEALANT BETWEEN DOOR FRAMES AND ADJACENT SURFACE, PAINT OR COLOR TO MATCH
3. FIELD VERIFY ALL EXISTING CONDITIONS
4. PROVIDE STEEL LINTELS AND INFILL MASONRY AS REQUIRED FOR NEW OPENINGS AND OPENING MODIFICATIONS, SEE STRUCTURAL
5. PROVIDE DOOR SILENCERS AT ALL SCHEDULED DOORS
6. FILL AND SAND ANY HOLES IN HOLLOW METAL DOORS AND FRAMES
7. PROVIDE BLANK TRIMS FOR DOORS AS REQUIRED
8. PROVIDE DOOR SIGNAGE IN AREAS OF WORK, REFER TO DETAILS AND FINISH SCHEDULE
9. SEE SPECIFICATION SECTION 084113 & 087100 FOR HARDWARE GROUP DESCRIPTIONS
10. SEE SPECIFICATION SECTION 084113 FOR PRE-FINISHED DOOR COLORS
11. ALL WOOD DOORS TO BE PREFINISHED BY DOOR MANUFACTURER SEE SPECIFICATIONS SECTION 08 1413
12. ALL HM DOOR FRAMES ARE TO BE SET SUCH THAT A UNIFORM CLEARANCE BETWEEN DOOR LEAF & FRAME IS MAINTAINED AT THE PERIMETER OF THE DOOR



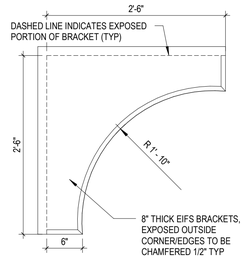
14 Pier Coursing Elevation

1/2" = 1'-0"

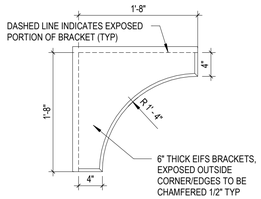


12 Frame Offsets (Typ U.N.O.)

1 1/2" = 1'-0"



ENTRANCE TOWER



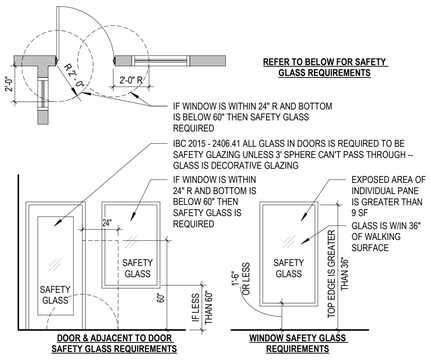
DRIVE-UP CANOPY

7 Sm. Decorative Bracket Detail

1" = 1'-0"

7.1 Lg. Decorative Bracket Detail

1" = 1'-0"



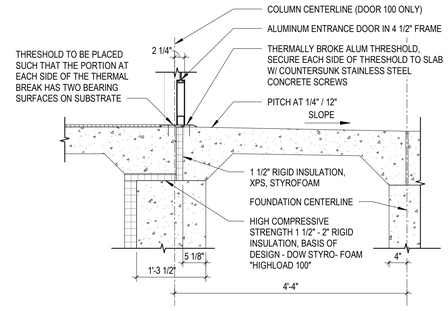
REFER TO BELOW FOR SAFETY GLASS REQUIREMENTS

DOOR & ADJACENT TO DOOR SAFETY GLASS REQUIREMENTS

WINDOW SAFETY GLASS REQUIREMENTS

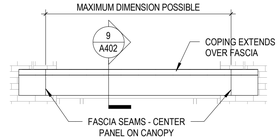
8 Safety Glass Requirements

1/4" = 1'-0"



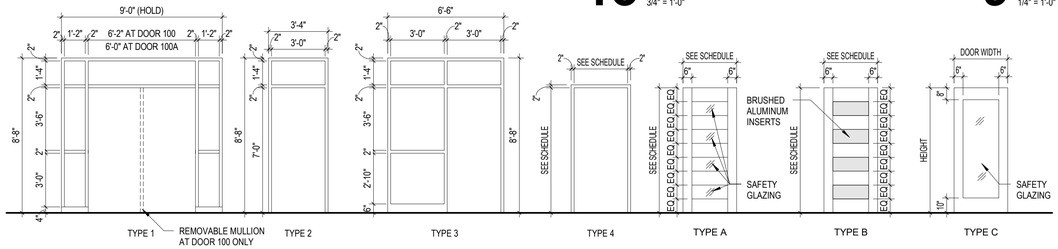
13 Entry Door Sill Detail

3/4" = 1'-0"



9 Canopy Elevation Detail

1/4" = 1'-0"

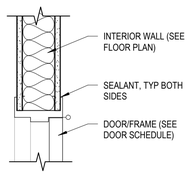


6 Door & Frame Types

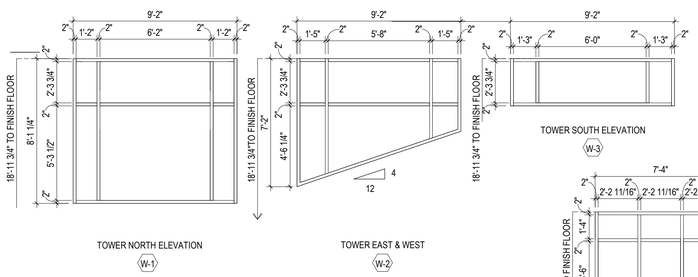
1/4" = 1'-0"

NOTES:

1. ALL GLAZING IS REQUIRED TO BE SAFETY GLAZING UNLESS OTHERWISE NOTED
2. SEE DOOR SCHEDULE REMARKS FOR LOUVER INFORMATION AND SIZE

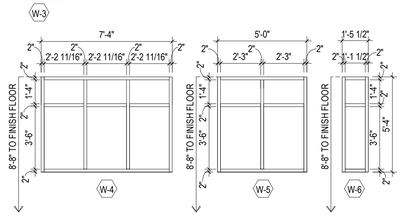


HEADS AND JAMBS SIMILAR



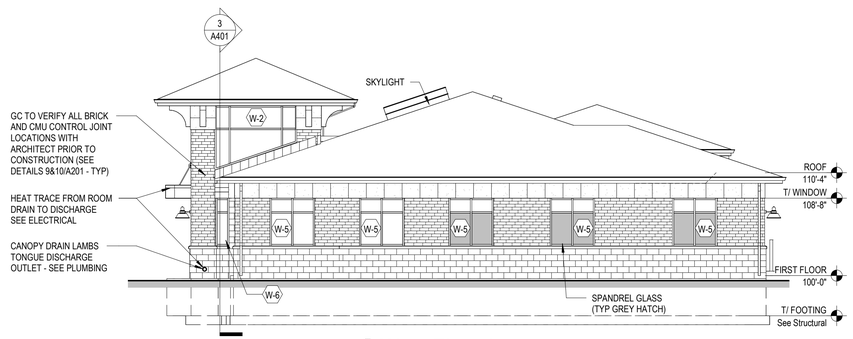
11 Interior H.M. Frame Details

1 1/2" = 1'-0"



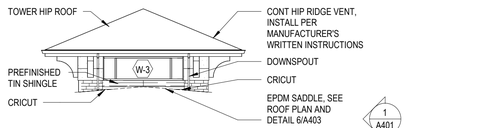
5 Exterior Window Frame Elevations

1/4" = 1'-0"



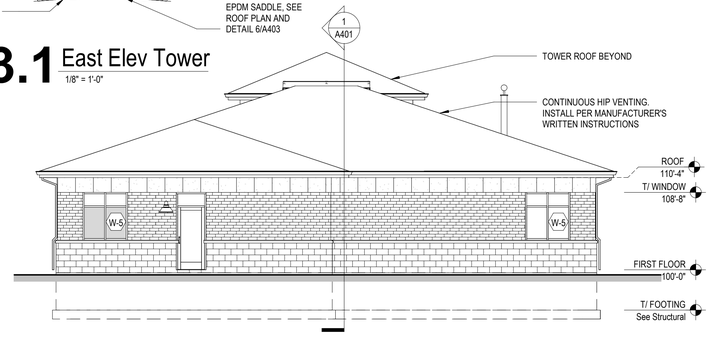
4 West Elevation

1/8" = 1'-0"



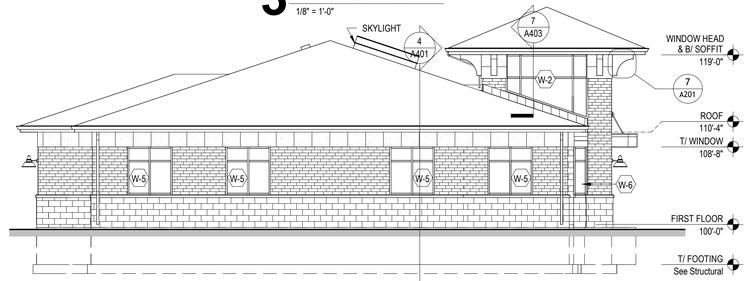
3.1 East Elev Tower

1/8" = 1'-0"



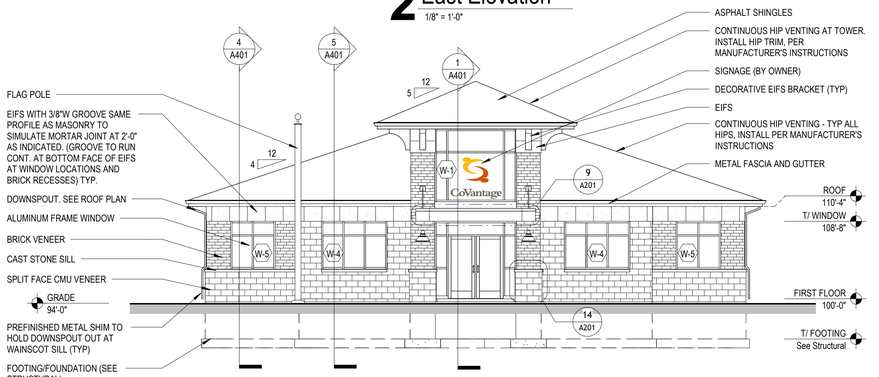
3 South Elevation

1/8" = 1'-0"



2 East Elevation

1/8" = 1'-0"



1 North Elevation

1/8" = 1'-0"

New Construction Work for :

CoVantage Credit Union
Kaukauna Branch

101 E Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

MARTIN RILEY
architects · engineers
404 N. Main Street, Suite 601
Oshkosh, WI 54901
www.martin-riley.com
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REVISION:		DATE:
1	CHANGES FROM MENASHA SET	2025-02-24

DRAWN BY: GW
REVIEWED BY: NH
COMMISSION NUMBER: O25006
DATE: 2025-04-24

A201

ELEVATIONS/DOOR SCHEDULE/WINDOW ELEVATIONS

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Kaukauna Branch
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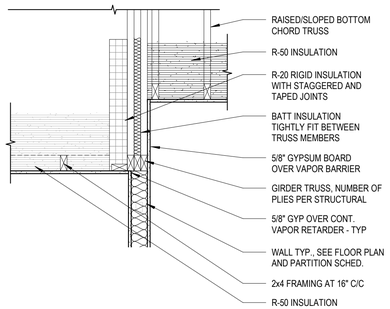
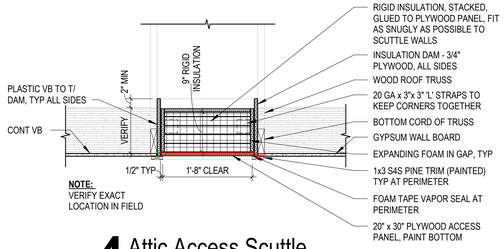
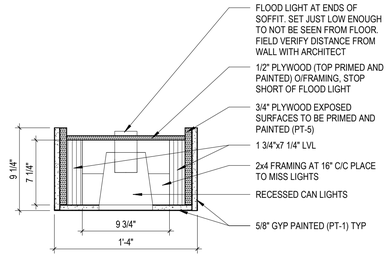


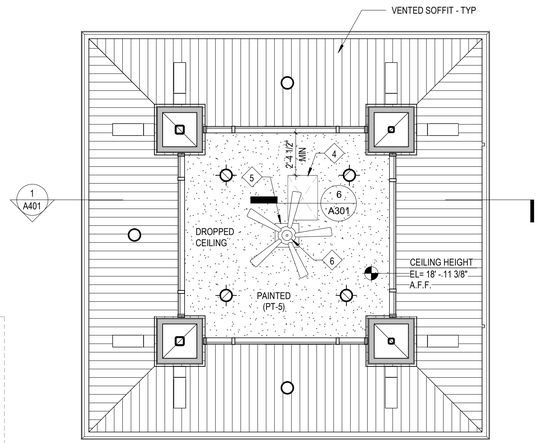
5 Insul at bottom Chord
3/4" = 1'-0"



4 Attic Access Scuttle
3/4" = 1'-0"

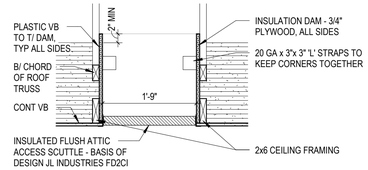


3 Bridge Soffit Detail
1 1/2" = 1'-0"

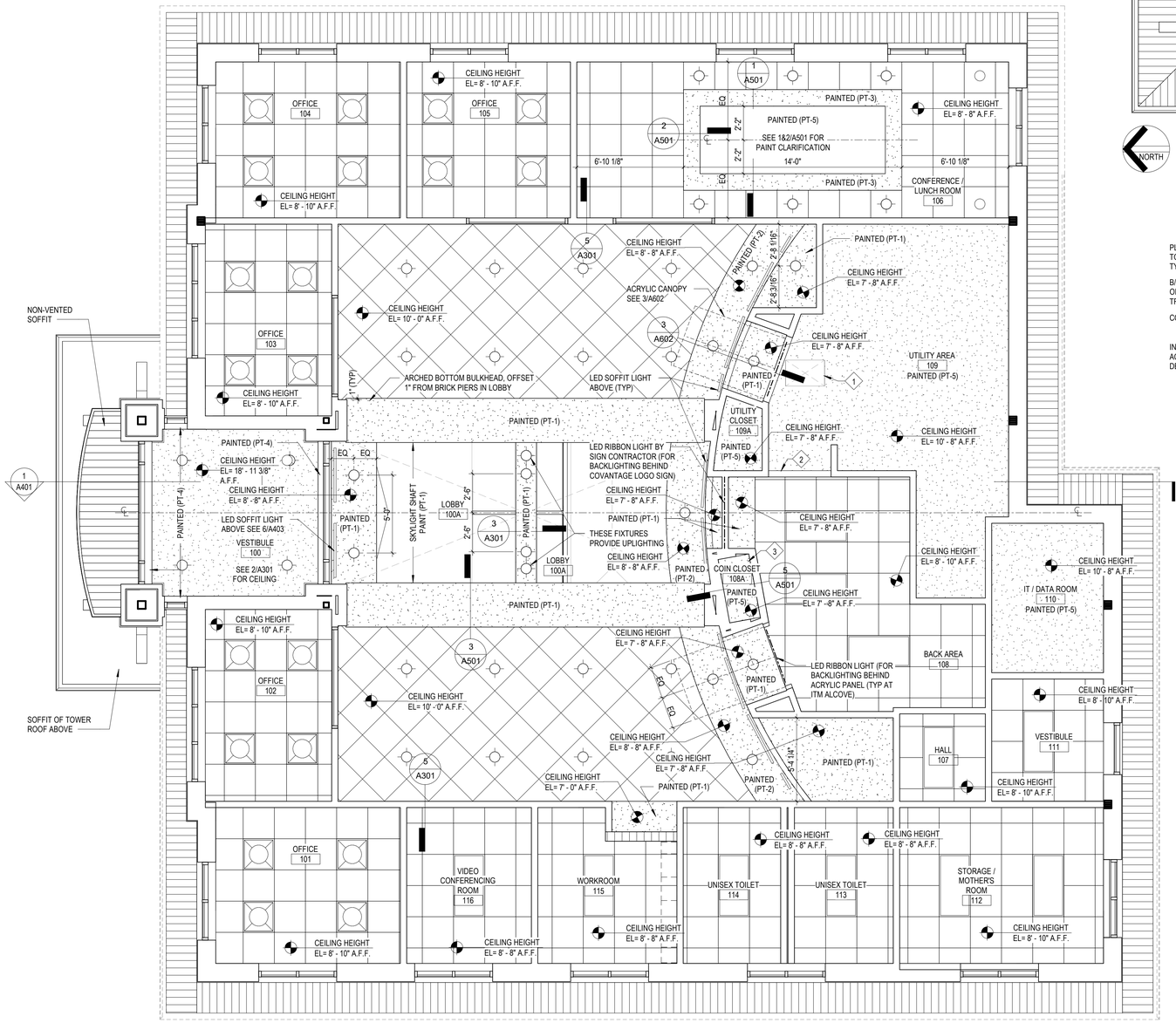


NORTH

2 Upper Tower RCP
1/4" = 1'-0"



6 Tower Attic Access Scuttle
3/4" = 1'-0"



NORTH

1 First Floor - Reflected Ceiling Plan
1/4" = 1'-0"

Work Description Notes

1. 20" x 30" ATTIC ACCESS HATCH, SEE 4/A301
2. BULKHEAD - 3 5/8" STL STUDS, 16" C/C, W/ 5/8" GWB BTM & SIDES, BTM AT 2" BELOW ACT CLG. TOP OF STUDS AT 2" ABOVE GWB CLG TO NORTH, PAINT EXPOSED GWB TO MATCH PAINT OF ADJOINING ROOMS
3. 1-HR RATED CEILING - REFER TO DETAIL 5/A501
4. 20" x 30" INSULATED FLUSH ATTIC ACCESS HATCH, SEE 6/A301
5. 16"x16"x3" FAN BOX ENCLOSURE TO TRUSS BOTTOM, FRAME AS REQ.
6. CEILING FAN - SEE MECHANICAL

General RCP Notes

1. SEE LIGHTING PLAN FOR ALL LIGHT FIXTURE LOCATIONS
2. SUPPLY AND RETURN AIR DIFFUSERS ARE NOT SHOWN, SEE MECHANICAL
3. PRIME AND PAINT ALL TOPS OF SOFFITS (PT-5)

Reflected Ceiling Plan Legend

CEILING FAN	LIGHT FIXTURE
EXHAUST FAN	SUPPLY AIR
LIGHT FIXTURE	RETURN AIR
SUSPENDED CEILING SYSTEM	GYPSUM CEILING BOARD

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COMMISSION NUMBER: O25006
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A301

REFLECTED CEILING PLANS/DETAILS

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Kaukauna Branch
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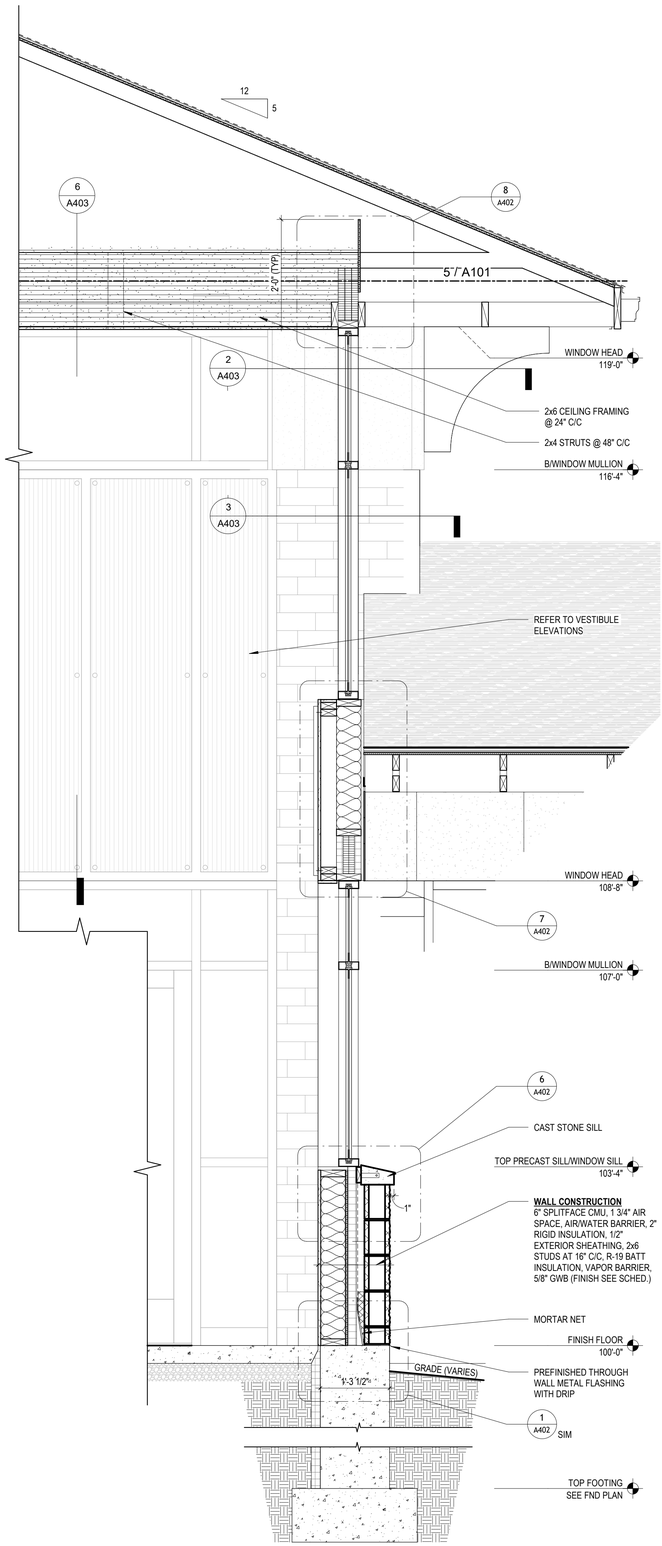
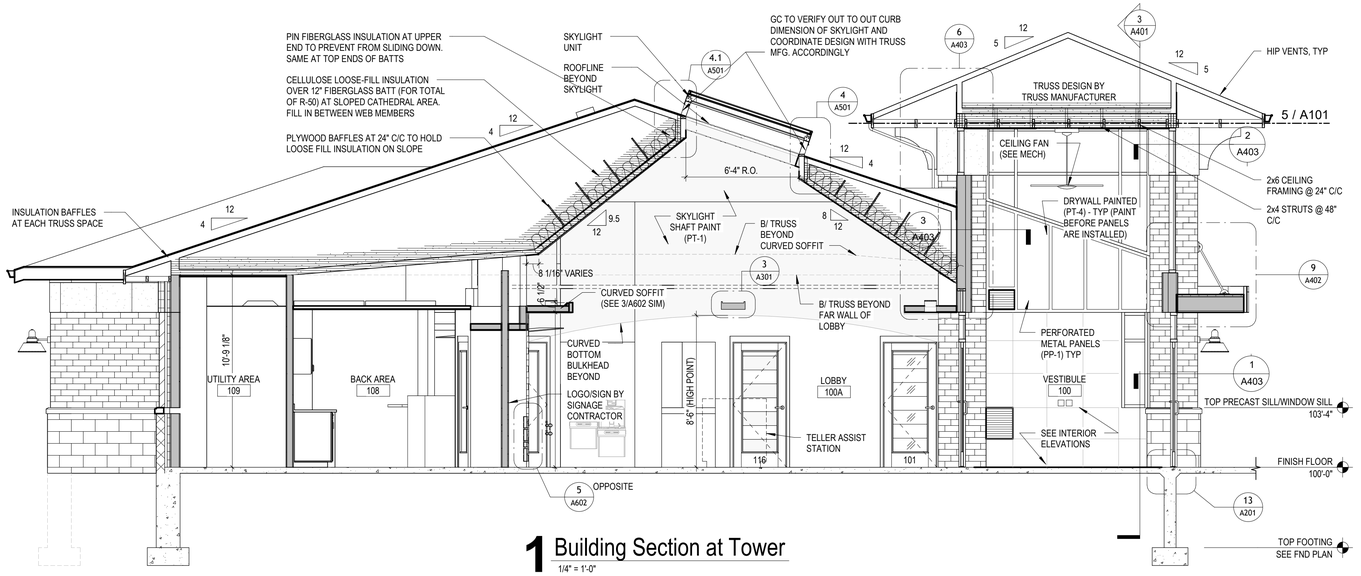


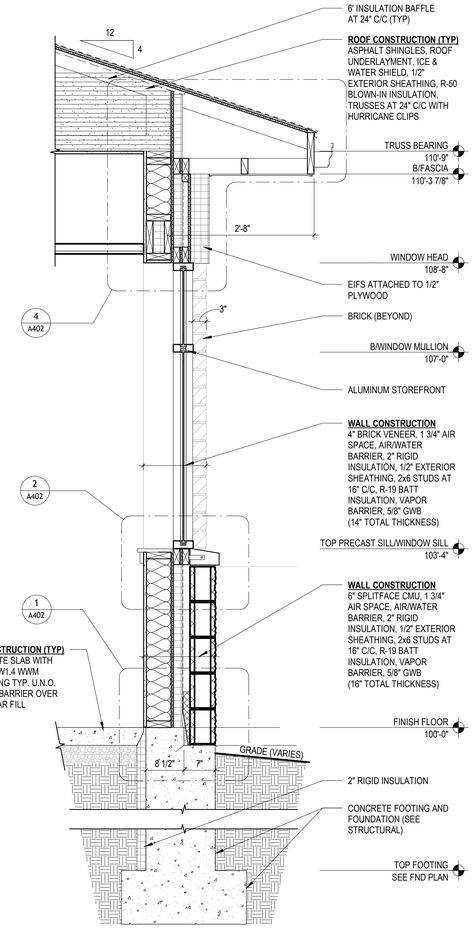
3 Wall Section At Vestibule/Tower

3/4" = 1'-0"



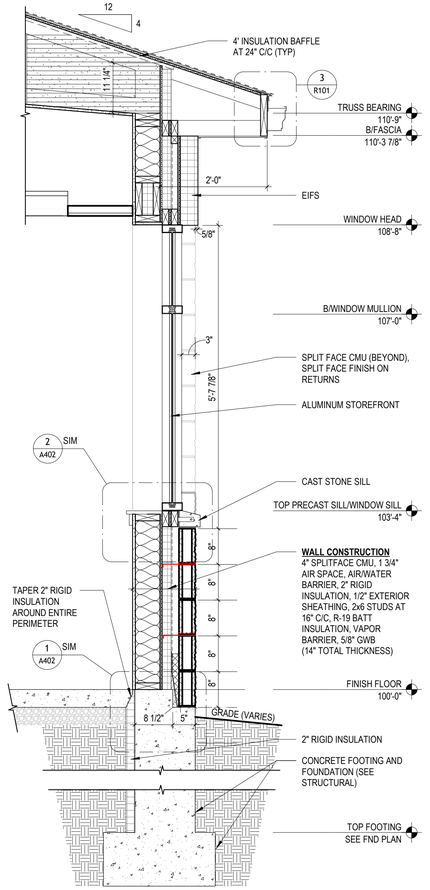
1 Building Section at Tower

1/4" = 1'-0"



4 Wall Section At Brick/CMU - Typ

3/4" = 1'-0"



5 Wall Section At CMU - (North Wall)

3/4" = 1'-0"

General Building Envelope Notes

NOTES APPLY TO ALL DRAWINGS

1. PROVIDE CONCEALED AIR BARRIER OVER THE ENTIRE AREA OF THE BUILDING'S EXTERIOR ENVELOPE UNLESS SPECIFICALLY IDENTITFIED AS NOT NEEDED.
2. PROVIDE VAPOR BARRIER AT INTERIOR (WARM) SIDE OF ALL BATT INSULATION (WHETHER HORIZ, VERT, OR DIAGONAL); VAPOR BARRIER IS TO BE POLY FILM SHEET UNLESS IDENTIFIED AS OTHER MATERIAL.
3. PLASTIC BOARD INSULATION THAT IS NOT CONCEALED BY MATERIAL(S) CONSIDERED BY AHJ TO BE A THERMAL BARRIER IS TO HAVE EXPOSED PORTIONS COVERED BY THERMAL BARRIER OF 1/2" MIN GWB, OR OTHER ARCHITECT APPROVED MATERIAL(S), UNLESS SPECIFICALLY IDENTIFIED AS DIFFERENT MATERIAL OR SPECIFICALLY NOTED AS NOT BEING NEEDED AS SOME SURFACES/SITUATIONS.
4. BATT INSULATION IN EXTERIOR WALL CONSTRCUTION OR IN-SOFFIT TYPE CONSTRUCTION IS TO BE COVERED ON THE EXTERIOR SIDE WITH AN AIR BARRIER AND 5/8" GYPSUM SHEATHING UNLESS SPECIFICALLY NOTED OTHERWISE.
5. WHERE ANY PORTION OF AN EXTERIOR WALL HAS NO INSULATION SHOWN AND/OR NOTED IN THE WALL ASSEMBLY, THAT PORTION OF THE EXTERIOR WALL IS TO BE INSULATED UNLESS SPECIFICALLY NOTED OTHERWISE; THE R-VALUE OF THE ASSEMBLY IS TO BE NO LESS THAT THE HIGHEST R-VALUE EXTERIOR WALL ASSEMBLY USED ANYWHERE ON THE PROJECT.

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DATE: 2025-04-24

A401

BUILDING SECTION/WALL SECTIONS

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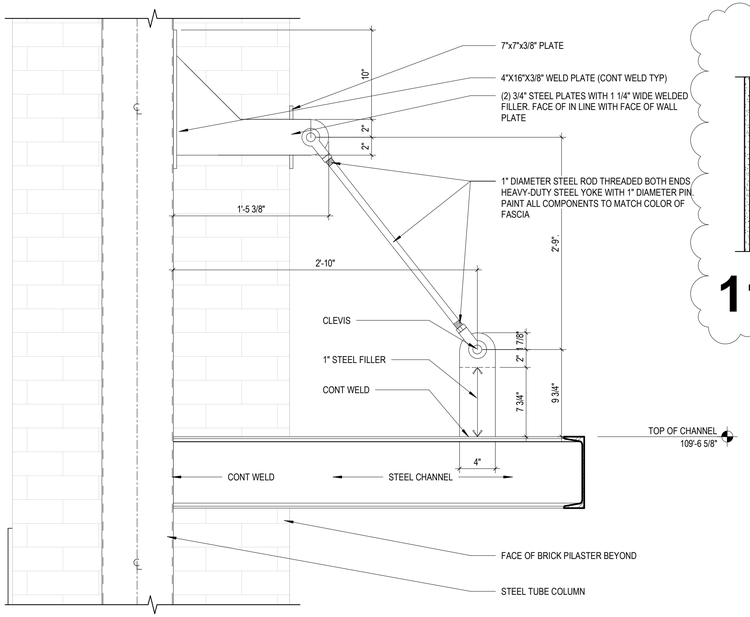
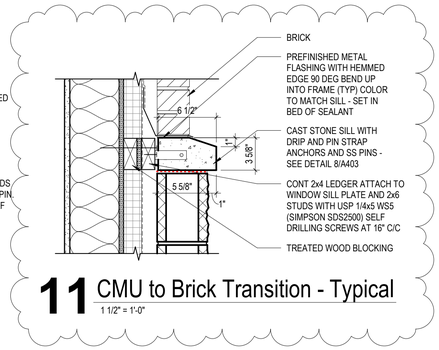
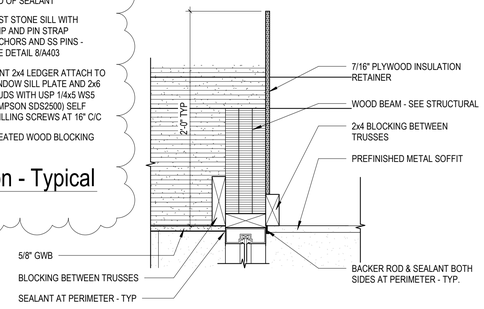


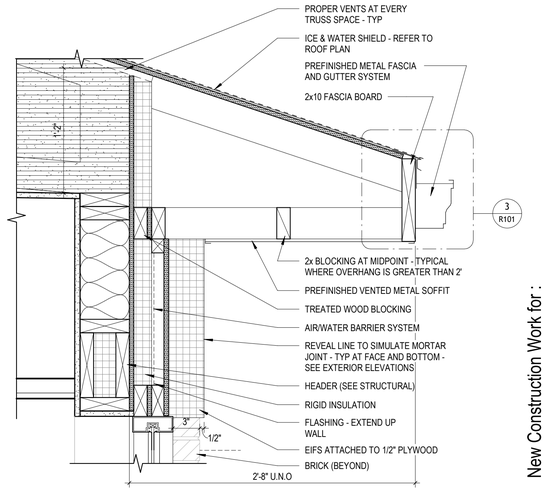
10 Entrance Canopy Tie Rod Detail
1 1/2" = 1'-0"



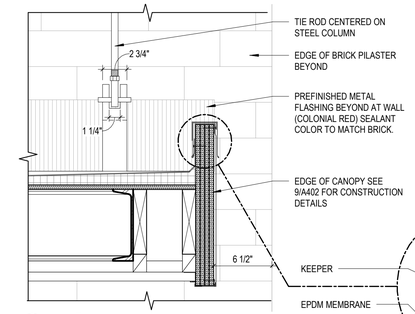
11 CMU to Brick Transition - Typical
1 1/2" = 1'-0"



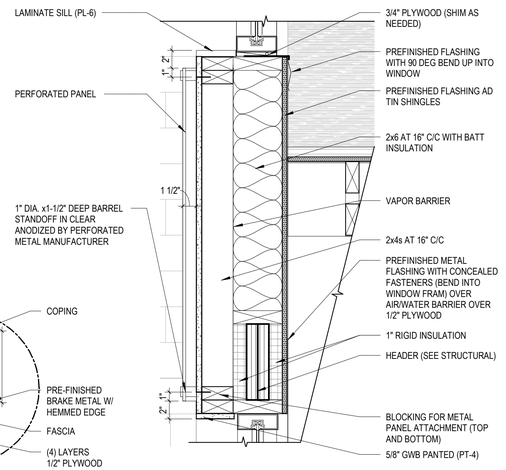
8 Window Head at Vestibule
1 1/2" = 1'-0"



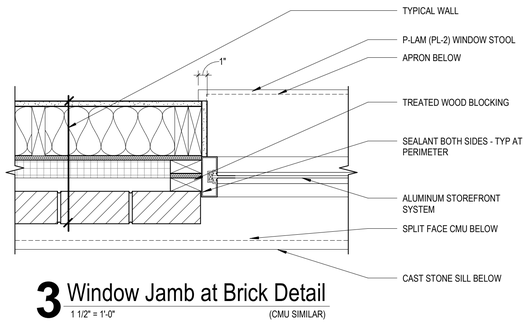
4 Window Head/Eave Detail - Typ
1 1/2" = 1'-0"



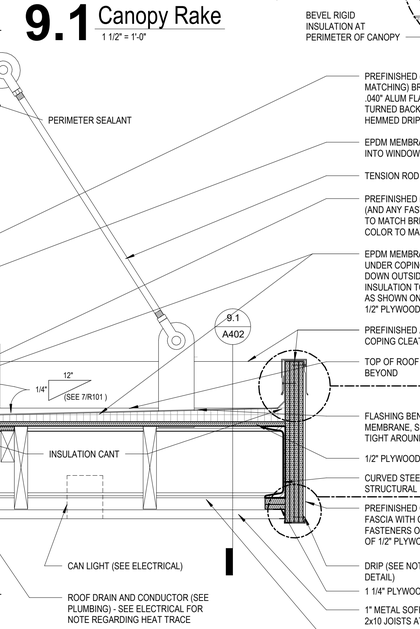
9.1 Canopy Rake
1 1/2" = 1'-0"



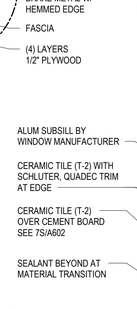
7 Wall Detail At Vestibule
1 1/2" = 1'-0"



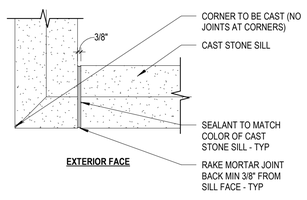
3 Window Jamb at Brick Detail
1 1/2" = 1'-0" (CMU SIMILAR)



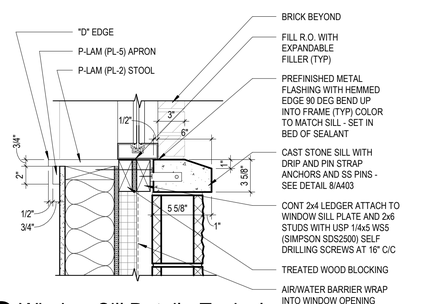
9 Entrance Canopy Detail
1 1/2" = 1'-0"



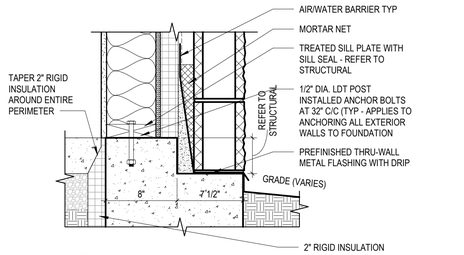
6 Window Sill at Vestibule
1 1/2" = 1'-0"



5 Cast Stone Sill Joint Detail - Typ
1 1/2" = 1'-0"



2 Window Sill Detail - Typical
1 1/2" = 1'-0"



1 Sill Detail - Typical
1 1/2" = 1'-0"

New Construction Work for :
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Kaukauna Branch
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REVISION:		DATE:
1	CHANGES FROM MENASHA SET	2025-02-24

DRAWN BY:	GW	REVIEWED BY:	NH
COMMISSION NUMBER:	O25006	DATE:	2025-04-24

A402

WALL SECTIONS/DETAILS

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Kaukauna Branch
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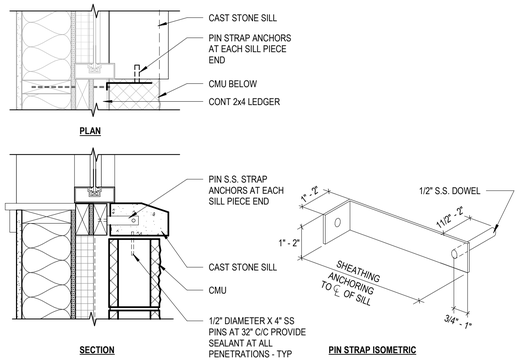
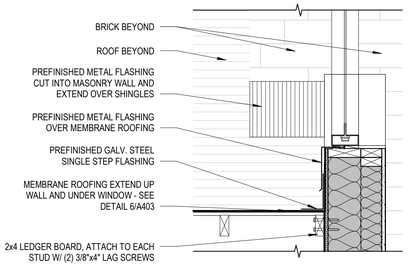
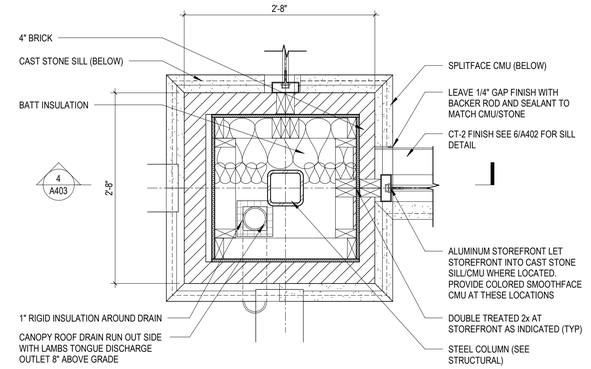


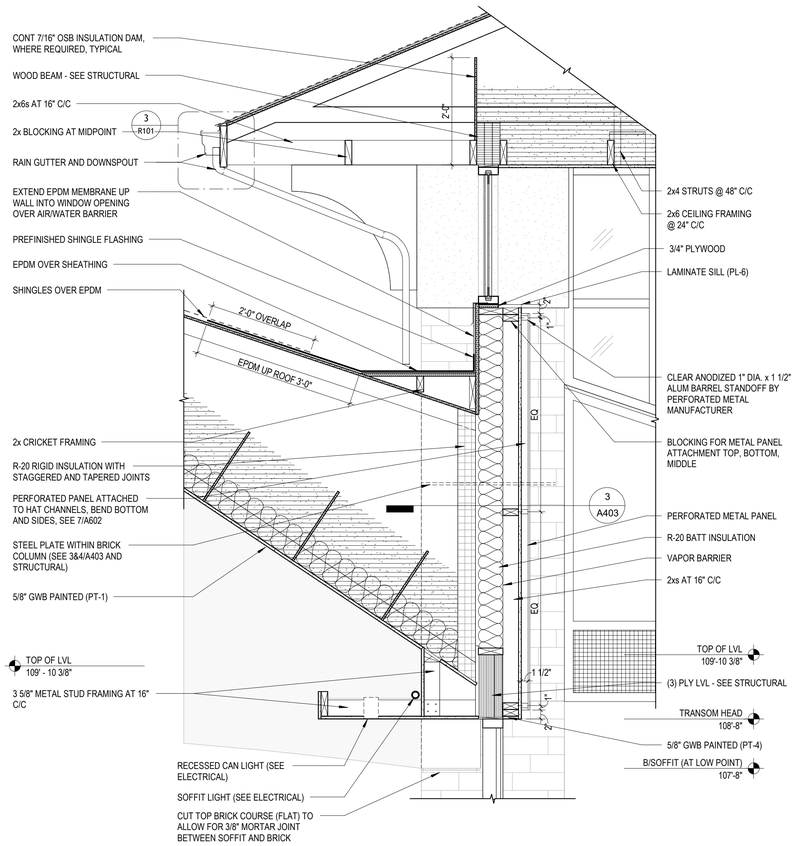
8 Typ Sill Anchoring Detail
1 1/2" = 1'-0"



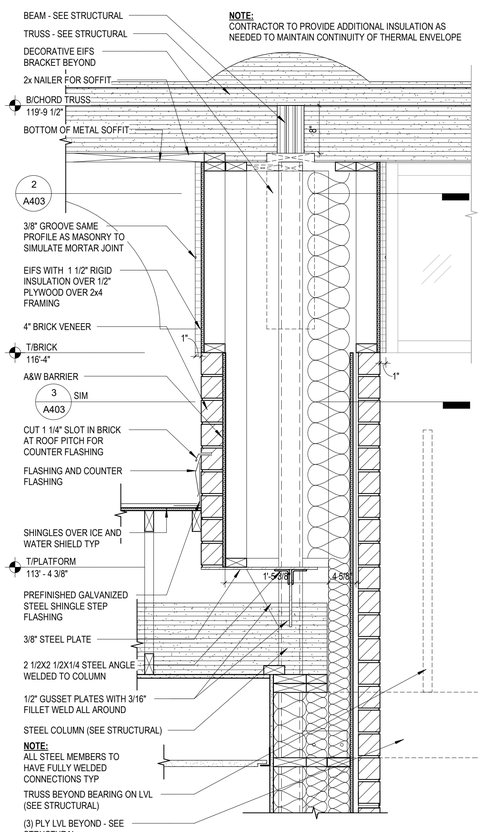
7 Flashing Detail at Tower
1" = 1'-0"



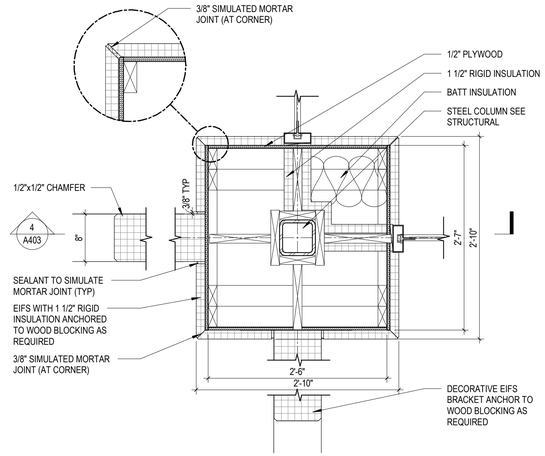
1 S.W. Entrance Pier Lower Detail at Brick
1" = 1'-0"



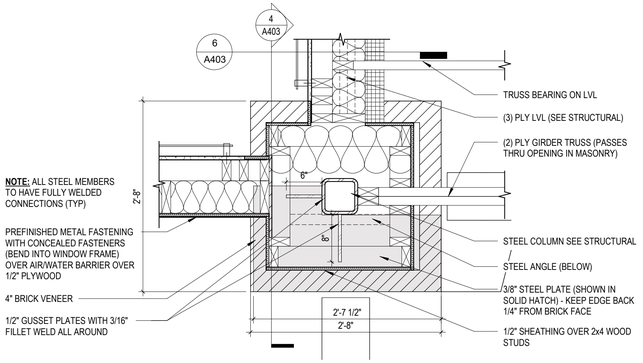
6 Tower Detail at Saddle
3/4" = 1'-0"



4 Entrance Pier Section Looking East
1" = 1'-0"



2 S.W. Entrance Pier Upper Detail at EIFS
1" = 1'-0"



3 S.E. Entrance Pier Detail at Brick/Girder Truss
1" = 1'-0"

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COMMISSION NUMBER: O25006
DATE: 2025-04-24

A403

WALL SECTION DETAILS

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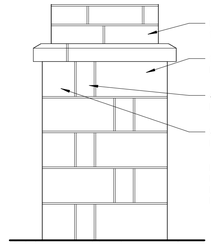
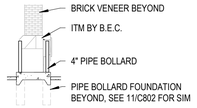
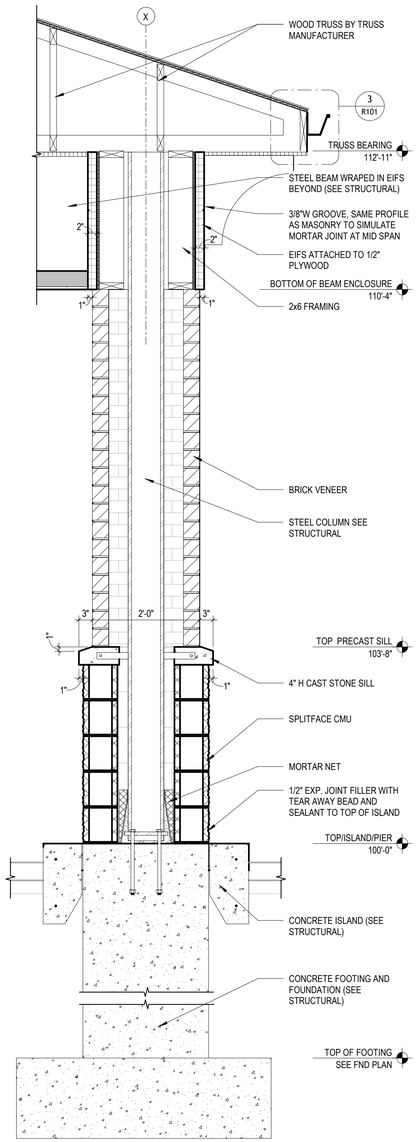


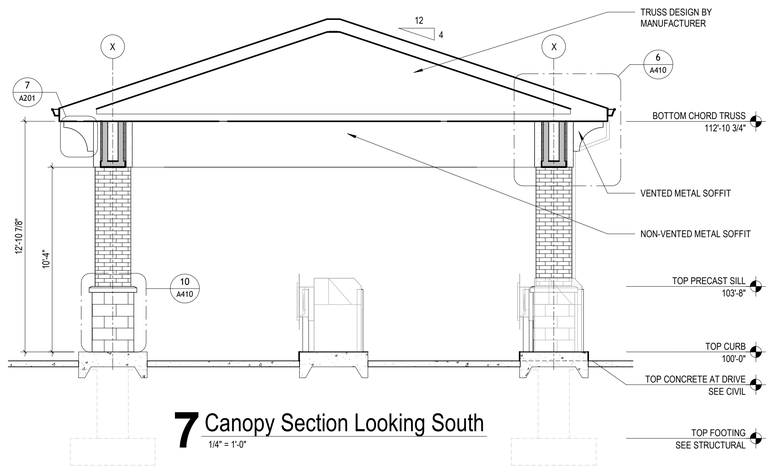
10 ITM Canopy Pier Elevation
3/4" = 1'-0"



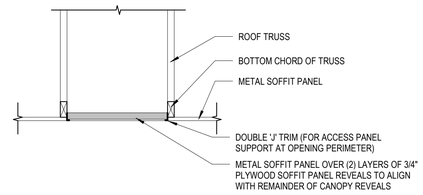
9 Lane Pier
1/8" = 1'-0"



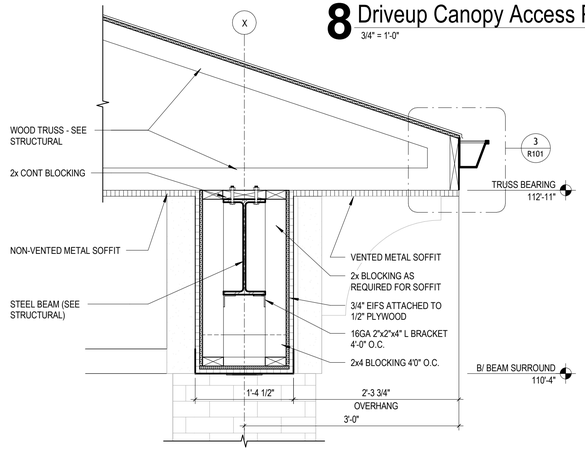
4 Column Section at Drive-Up Canopy
3/4" = 1'-0"



7 Canopy Section Looking South
1/4" = 1'-0"



8 Driveup Canopy Access Panel
3/4" = 1'-0"



6 Drive-Up Beam Enclosure Detail
1" = 1'-0"

5.1 North Elevation
1/8" = 1'-0"

5.2 East Elevation
1/8" = 1'-0"

5.3 South Elevation
1/8" = 1'-0"

5.4 West Elevation
1/8" = 1'-0"

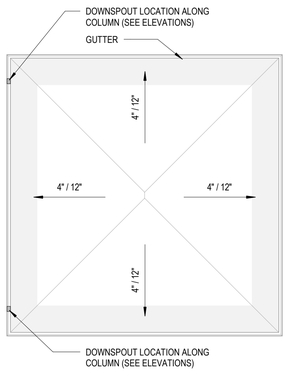
ICE & WATER SHIELD

ROOF:
3' FROM ROOF EDGE

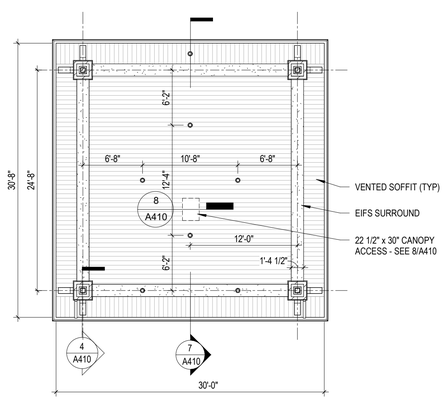
EXTERIOR WALLS:
WHEREVER THE END OR TOP OF A ROOF ABUTS AND EXTERIOR WALL. INSTALL A MINIMUM OF 8" UP ONTO THE WALL. APPLY DIRECTLY TO WALL SHEATHING, UNDER SIDING AND UNDER FLASHING.

EAVES:
DRAPE OVER ROOF EDGE 1 1/2"

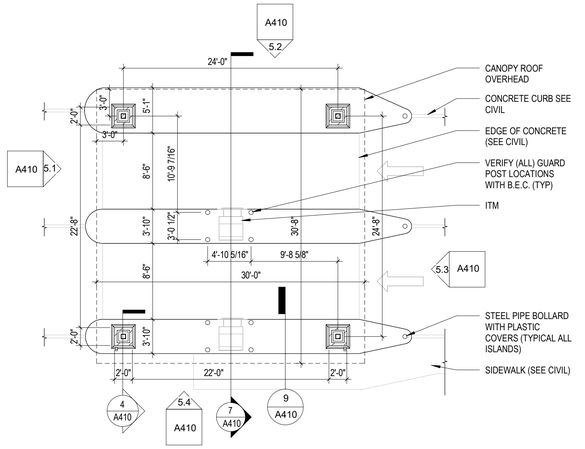
ROOF PENETRATIONS:
INSTALL AROUND ALL ROOF PENETRATIONS. EXTEND UP THE SIDE OF THE PENETRATING ITEM WHEN THE MEMBRANE CAN BE COVERED BY FLASHING A MINIMUM OF 8" OR TO THE HEIGHT OF THE FLASHING



3 Drive-Up Roof Plan
1/8" = 1'-0"



2 Drive-Up Reflected Ceiling Plan
1/8" = 1'-0"



1 Drive-Up Canopy Plan
1/8" = 1'-0"

NORTH

New Construction Work for :

CoVantage Credit Union
Kaukauna Branch

101 E Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

MARTIN RILEY
architects · engineers
404 N. Main Street, Suite 601
Oshkosh, WI 54901
www.martin-riley.com
pho 920.267.3600

MARTIN RILEY
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NOT FOR CONSTRUCTION

REVISION: DATE:

DRAWN BY: GW
REVIEWED BY: NH
COMMISSION NUMBER: 025006
DATE: 2025-04-24

A410

DRIVE-UP ITM CANOPY

025006 CoVantage Credit Union
Kaukauna Branch
4/25/2025 10:17:11 AM
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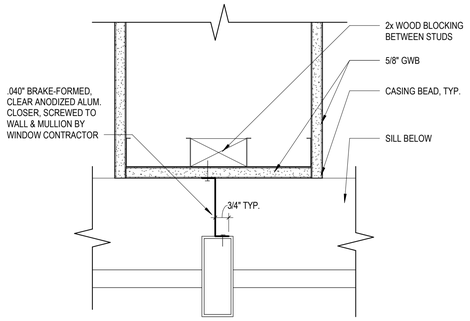
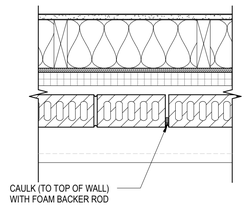
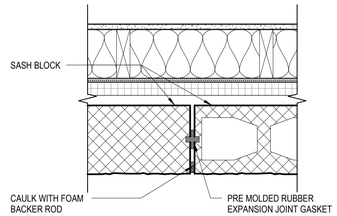


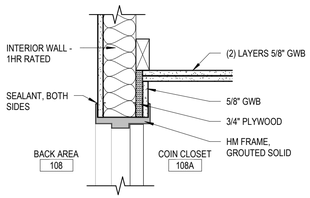
10 Closer Detail
3" = 1'-0"



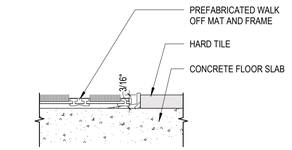
7 Control Joint Detail at Brick
1 1/2" = 1'-0"



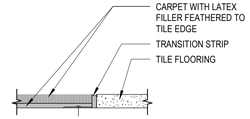
6 Control Joint Detail at CMU
1 1/2" = 1'-0"



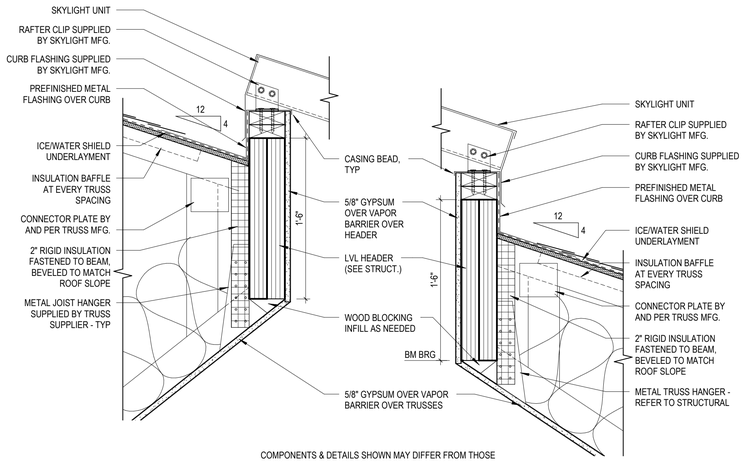
5 Coin Closet Door Head Detail
1 1/2" = 1'-0" JAMB SIMILAR



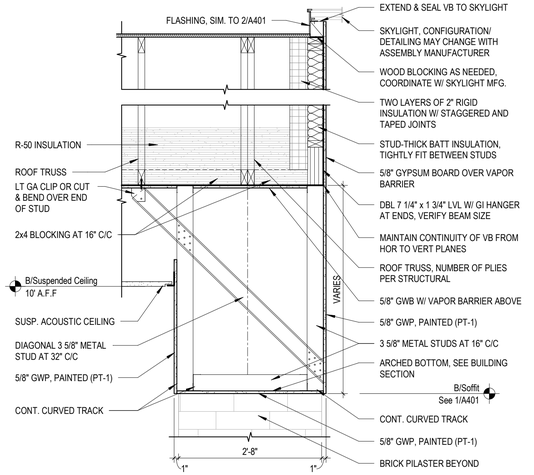
9 Walk-off Mat Edge Detail
12" = 1'-0"



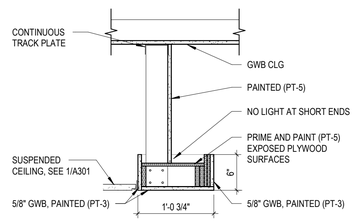
8 Carpet/Tile Detail
12" = 1'-0"



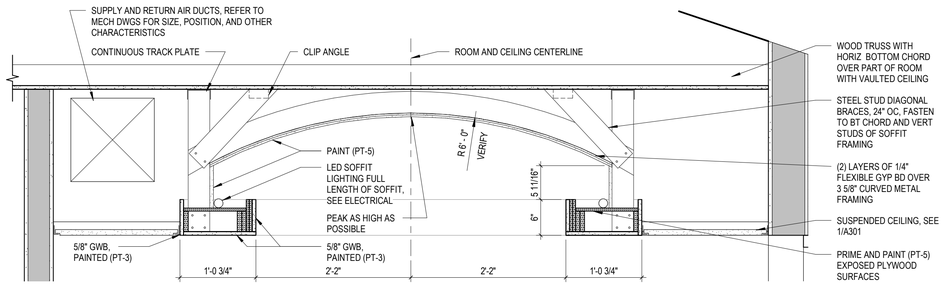
4 Skylight Unit Flashing Detail
1 1/2" = 1'-0"



3 Soffit Detail
3/4" = 1'-0"



2 Conference Room Soffit Detail
1" = 1'-0" TYPICAL BOTH SHORT ENDS



1 Conference Room Soffit Detail
1" = 1'-0"

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CoVantage Credit Union
Kaukauna Branch

101 E Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

MARTIN RILEY architects · engineers
404 N. Main Street, Suite 601
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MARTIN RILEY

DOCUMENT IN PROGRESS
NOT FOR CONSTRUCTION

REVISION: DATE:

DRAWN BY: GW
REVIEWED BY: NH
COMMISSION NUMBER: O25006
DATE: 2025-04-24

A501

DETAILS

O25006 CoVantage Credit Union
Kaukauna Branch
4/24/2025 10:17:12 AM
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CD

FINISH SCHEDULE REMARKS

1. ARCHED SOFFITS (SIDES & BOTTOMS) TO BE PAINTED (PT-1), CURVED WALL SOFFIT TO BE PAINTED (PT-2). SEE SHEET A301 REFLECTED CEILING PLAN FOR DETAILS.
2. TOP OF CERAMIC TILE BASE TO HAVE SCHLUTER JOLLY TRIM.
3. ALL SOUTH WALLS TO BE PAINTED (PT-2) EXCEPT DRINKING FOUNTAIN WALLS (3 WALLS) TO BE PAINTED (PT-1).
4. PAINT CURVED GYP BD CEILING (PT-5) AND SOFFITS (PT-3). SEE SECTION 3/A301 FOR DETAILS.
5. PROVIDE INTERIOR SIGNAGE (MISC-7) FOR RESTROOMS. REFER TO DETAIL 5/A101 FOR INSTALLATION OF SIGNAGE.
6. ALIGN THE SIDE WALL TILE JOINTS WITH OPPOSITE SIDE WALL TILE JOINTS IN VESTIBULE 100. CENTER WALL HEATER IN TILE.

FINISH LEGEND

(A) CEILING
1. USG "MARS" ACOUSTICAL PANELS WITH CLIMAPLUS PERFORMANCE #86985
   a. SIZE: 2' x 2' x 3/4"
   b. EDGE: FLB
   b. SUSPENSION SYSTEM: DONN CENTRICITEE DXT; COLOR: WHITE
2. PAINTED GYPSUM BOARD
   a. COLOR: SHERWIN WILLIAMS SW7004 SNOWBOUND (PNT-5)
   b. FINISH: FLAT
3. USG "SHEETROCK BRAND" LAY-IN CEILING PANEL CLIMAPLUS #3260
   a. SIZE: 2' x 2' x 1/2"
   b. EDGE: SQUARE
   b. SUSPENSION SYSTEM: DONN CENTRICITEE DX/DXL; COLOR WHITE

(B) BASE
1. JOHNSONITE 4" THERMOPLASTIC VINYL 1/8" (TYPE TV) COVE BASE
   a. COLOR: STERLING SILVER #69
   b. ADHESIVE: MANUFACTURER RECOMMENDED
2. CEASAR CERAMICS
   a. PATTERN: FOUNDRY 26
   b. COLOR: OXIDE
   c. SIZE: 4" x 12"
   d. TRIM: SCHLUTER-SYSTEMS "JOLLY" AT TOP OF TILE; SATIN ANODIZED ALUMINUM
   e. GROUT COLOR/JOINT: CUSTOM BUILDING PRODUCTS; COLOR: WINTER GRAY #335 WITH 1/8" GROUT JOINT

(BRK) BRICK
(CONC) SEALED CONCRETE
   a. STANDARD WATERBORNE, LOW GLOSS CURING AND SEALING COMPOUND

(CPT) CARPET
1. J&J FLOORING "EVOLVE" CARPET TILE #7981
   a. SIZE: 24" x 24"
   b. COLOR: SURGE #1652
   c. BACKING: NEXUS
   d. INSTALLATION: QUARTER TURN
   e. ADHESIVE: J&J FLOORING "TILETABS"
2. FLOR "TUXEDO POCKET" AREA RUG
   a. SIZE: 19.7" x 19.7". SEE A8.0
   b. COLORS: MARIGOLD, COLBALT AND BONE/GOLD (SEE DETAIL 4/A601)
   c. NOTE: TAPE SEEMS

(MISC) MISCELLANEOUS
1. PLASTIC-LAMINATE-FACED CUSTOM CABINETS
   a. DETAILS AND FINISH: SEE ELEVATIONS ON SHEET A602.
   b. SPECIFICATIONS: REFER TO PROJECT MANUAL
2. MDC "DIMENSION WALL" TEXTURED WALL PANEL
   a. PATTERN: LINE THEM UP; DWP3408/4559
   b. COLOR: SILVER
   c. SIZE: 4'x8'
   d. TRIM: SCHLUTER "QUADEC" 5/16" IN SATIN ANODIZED ALUMINUM
   e. NOTE: SEE ELEVATION 1/A603 FOR PANEL LAYOUT AND TRIM LOCATIONS
3. MDC "DIMENSION WALL" TEXTURED WALL PANEL
   a. PATTERN: LINE THEM UP VERTICAL; DWP4308XL
   b. COLOR: SILVER
   c. SIZE: 4'x8'
   d. TRIM: SCHLUTER, QUADEC 5/16" IN SATIN ANODIZED ALUMINUM
   e. NOTE: SEE ELEVATION 1/A603 FOR PANEL LAYOUT AND TRIM LOCATIONS
   f. INSTALLATION: RAILROAD TO MINIMIZE SEEMS
4. LUMICOR "LUMINOUS" ACRYLIC PANEL
   a. COLOR: 2 LAYERS OF SUNFLOWER & 1 LAYER OF SUNSET
   b. THICKNESS: 1/2"
   c. ADD-ONS: ILLUME
   d. NOTE: ALL EXPOSED EDGES TO BE FINISHED; CANOPY TO HAVE SQUARED EASED EDGES; CABLE SUPPORTS BY ACRYLIC PANEL MANUFACTURER; SEAM PANEL INTERSECTIONS. SEE ELEVATIONS AND DETAILS ON SHEETS A602 AND A603 FOR QUANTITY AND LOCATIONS (VERIFY THAT MEETS MANUFACTURER'S RECOMMENDATIONS).
5. MOZ DESIGNS "LASER CUT METAL SHEET"
   a. PATTERN: REEDS
   b. COLOR: "BLENDZ PATINA COLLECTION"- #162
   c. GRAIN: FOG
   d. FINISH: POLYCOAT MATTE
   e. PANEL SIZE(S): SEE 7A/A602
6. COAK SHELF
   a.
7. REESE #536 RUBBER HINGE MAT WITH CARPET INSERTS
   a. RAILS: VINYL-ACRYLIC TREAD RAILS 2" WIDE BY 3/8" THICK WITH SLOTTED OR PERFORATED VINYL HINGES
   b. TREAD INSERTS: 1/4" HIG, 28 OZ/SQ YD WEIGHT, LEVEL-CUT NYLON, FUSION BONDED CARPET
   c. CARPET INSERT COLOR: GREY
   d. VINYL COLOR: BROWN
   e. SERRATED COLOR: CLEAR
   f. SEE DETAIL 2/A601
8. ADA COMPLIANT INTERIOR PANEL SIGNAGE (RESTROOMS)
   a. MANUF/PRODUCT: INPRO CORP "PHOENIX"; 8" x 8" ADA RESTROOM SIGN (NO BACKPLATE)
   b. STYLE: TACTILE AND BRAILLE SIGN COMPLYING WITH ADA-ABA ACCESSIBILTY GUIDELINES AND WITH ICC/ANSI A117.1.
   b. TACTILE CHARACTERS: CHARACTERS AND TEXT SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE RAISED 1/32" ABOVE SURFACE WITH CONTRASTING COLORS
   c. MATERIAL: ACRYLIC
   d. FONT: HELVETICA REGULAR
   e. FACE COLOR: ELM GRAY 0388
   f. TEXT COLOR: BLACK 29920
   g. INSTALLATION METHOD: FOAM MOUNT
   h. ALL OTHER SIGNAGE BY OWNER.

(MISC) MISCELLANEOUS CONTINUED
9. FIBERGLASS REINFORCED PLASTIC PANELS
   a. MANUF: CRANE COMPOSITES
   b. STYLE: GLASBORD FRP PANEL
   c. COLOR: NO. 85 WHITE
   d. TRIM:
10. SCHLUTER SYSTEMS ALUMINUM TRIM
   a. QUADEC: 5/16"
   b. JOLLY: 3/8"
   c. DECO-SG: 3/8"
   d. SCHIENE: AE100
   e. FINISH: SATIN ANODIZED ALUMINUM

(PT) PAINT
1. LOBBY WALLS & SOFFITS
   a. MANUF: SHERWIN WILLIAMS
   b. COLOR: KNITTING NEEDLES SW7672
   c. FINISH: EG-SHEL
2. LOBBY WALLS & CURVED SOFFIT
   a. MANUF: SHERWIN WILLIAMS
   b. COLOR: HONORABLE BLUE SW6811
   c. FINISH: EG-SHEL
3. OFFICE WALLS
   a. MANUF: SHERWIN WILLIAMS
   b. COLOR: PUSSYWILLOW SW7643
   c. FINISH: EG-SHEL
4. DOOR FRAMES & VESTIBULE
   a. MANUF: RUSTOLEUM
   b. COLOR: ALUMI-NON
   c. FINISH: SEMI-GLOSS
   d. NOTE: PROVIDE A MOCK UP AREA OF PAINT ON TEXTURED WALL IN VESTIBULE; TO BE APPROVED BY OWNER BEFORE PROCEEDING
5. CEILING
   a. SHERWIN WILLIAMS
   b. COLOR: SNOWBOUND SW7004
   c. FINISH: FLAT (SEMI-GLOSS IN RESTROOMS)

(PL) PLASTIC LAMINATE
1. CABINETS & SHELVES
   a. MANUF: NEVAMAR HPL
   b. COLOR: CLEAR MAPLE WM8340-T
   c. FINISH: ARP
2. EMPLOYEE COUNTERTOP & WINDOW SILLS
   a. MANUF: PIONITE HPL
   b. COLOR: COOKIES & CREAM AG130-SM
   c. FINISH: SUPER MATTE
3. TELLER ASSISTANT
   a. MANUF: NEVAMAR
   b. COLOR: SUMMER NIGHT GLOW S-8003-T (THRUCOLOR)
   c. FINISH: ARP
4. TELLER ASSISTANT
   a. MANUF: PIONITE "THRUCOLOR" HPL
   b. COLOR: FORSYNTHIA SY913-SD
   c. FINISH: TEXTURED/SUEDE
5. TELLER ASSISTANT BASE
   a. MANUF: CHEMETAL
   b. FINISHED: BRUSHED ALUMINUM #702
6. VESTIBULE WINDOW SILLS
   a. MANUF: NEVAMAR HPL
   b. COLOR: SILVER DOLLAR AG8000-SD
   c. FINISH: TEXTURED/ SUEDE
   d. SEE SHEET A402 FOR DETAILS

(T) TILE
1. FLOOR TILE
   a. MANUF: CAESAR CERAMICS
   b. PATTERN: FOUNDRY 26
   c. COLOR: OXIDE
   d. SIZE: 24" x 24" x 9MM THICK; SEE FINISH PLAN FOR TILE LAYOUT
   e. GROUT/JOINT: CUSTOM BLDG PRODUCTS; COLOR: DRIFTWOOD #543 WITH 1/8" GROUT JOINT
   f. TRIM: SCHLUTER-SYSTEMS IN SATIN ANODIZED ALUMINUM
2. WALL TILE AND WINDOW SILLS
   a. MANUF: CASALGRANDE PADANA
   b. PATTERN: METALLICA
   c. COLOR: INOX LAPPATO
   d. SIZE: 23-5/8" x 23-5/8"
   e. GROUT/JOINT: CUSTOM BLDG PRODUCTS; COLOR: PEWTER #19 WITH 1/8" GROUT JOINT
   f. TRIM: SCHLUTER JOLLY AT EXPOSED TILE EDGE AND DECO-SG 1/2" CHANNEL TRIM; ALL IN SATIN ANODIZED ALUMINUM; SEE ELEVATION 7S/A602 FOR DETAILS.
   g. SEE 6/A402 FOR WINDOW SILL DETAIL

GENERAL NOTES

1. FLOOR COVERING TRANSITIONS SHALL BE CENTERED BELOW DOORS IN THE CLOSED POSITION.
2. FLOORING SHALL EXTEND WALL TO WALL, UNDER EQUIPMENT.
3. SEE FINISH PLANS FOR CERAMIC TILE (T-1) PATTERN DETAILS.
4. NO BASE AT BRICK WALLS.
5. REFER TO PROJECT MANUAL FOR FINISH MATERIALS SPECIFICATIONS.
6. REFER TO REFLECTED CEILING PLAN A301 FOR CHANGES IN CEILING HEIGHTS AND MATERIALS.
7. WALL TILE AND FLOOR TILE JOINTS ARE TO ALIGN. GC TO COORDINATE BEFORE INSTALLATION.

Mfr: Flor
for.com 866.281.3567
Style: Tuxedo Pocket
Color: Marigold

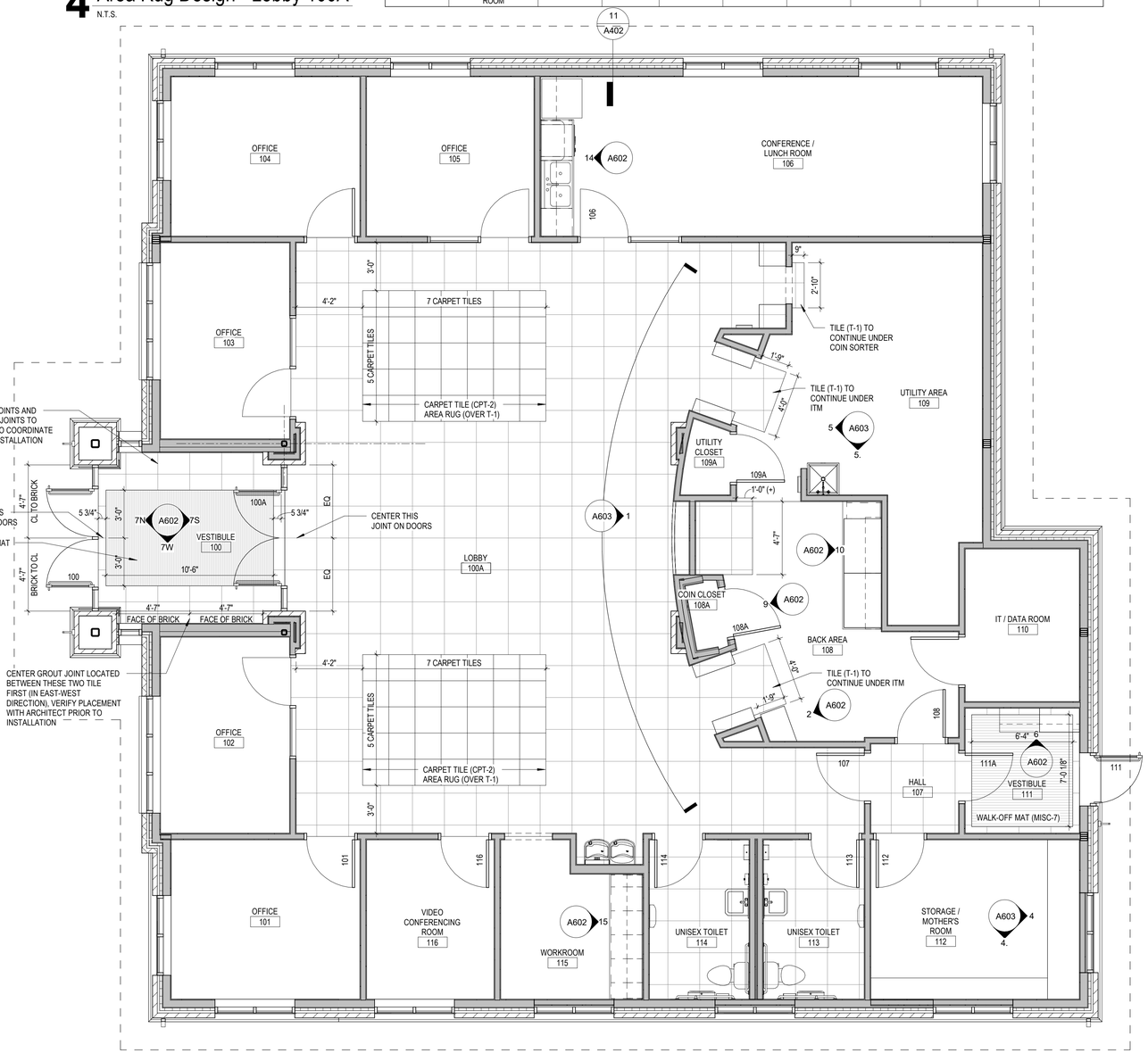
Mfr: Flor
for.com 866.281.3567
Style: Tuxedo Pocket
Color: Bone / Gold

Mfr: Flor
for.com 866.281.3567
Style: Tuxedo Pocket
Color: Cobalt

4 Area Rug Design - Lobby 100A
N.T.S.

ROOM FINISH SCHEDULE

Room Number	Room Name	Floor Finish	Base Finish	Wall Finish				Ceiling Finish	Ceiling Height	Remarks
				North	South	East	West			
100	VESTIBULE	T-1/MISC-5	BRK/SEE A602	SEE DETAL 7N/A602	SEE DETAIL 7S/A602	SEE DETAIL 7W/A602	SEE DETAIL 7W/A602	A-2	SEE A301	1,2,3,6
100A	LOBBY	T-1	B-2	SEE REMARK #3	SEE DETAIL 1/A603	PT-2	PT-2	A-1/A-2	SEE A301	1,2,3
101	OFFICE	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	
102	OFFICE	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	
103	OFFICE	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	
104	OFFICE	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	
105	OFFICE	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	
106	CONFERENCE / LUNCH ROOM	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-1/A-2	SEE A301	4
107	HALL	T-1	B-2	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	2
108	BACK AREA	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-2	SEE A301	
108A	COIN CLOSET	CONC-1	B-1	PT-3	PT-3	PT-3	PT-3	A-2	SEE A301	
109	UTILITY AREA	CONC-1	B-1	PT-3	PT-3	PT-3	PT-3	A-2	SEE A301	
109A	UTILITY CLOSET	CONC-1	B-1	PT-3	PT-3	PT-3	PT-3	A-2	SEE A301	
109B	MECHANICAL AREA	CONC-1	B-1	PT-3	PT-3	PT-3	PT-3	A-2	SEE A301	
110	IT / DATA ROOM	CONC-1	B-1	PT-3	PT-3	PT-3	PT-3	A-2	SEE A301	
111	VESTIBULE	T-1/MISC-5	BRK	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	2
112	STORAGE / MOTHER'S ROOM	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	
113	UNISEX TOILET	T-1	B-2	PT-3	PT-3	PT-3	PT-3	A-3	SEE A301	5
114	UNISEX TOILET	T-1	B-2	PT-3	PT-3	PT-3	PT-3	A-3	SEE A301	5
115	WORKROOM	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	
116	VIDEO CONFERENCING ROOM	CPT-1	B-1	PT-3	PT-3	PT-3	PT-3	A-1	SEE A301	



NORTH

1 Finish Plan
1/4" = 1'-0"

New Construction Work for :

CoVantage Credit Union
Kaukauna Branch

101 E Kelso Rd
Kaukauna, WI 54130

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MARTIN RILEY
DOCUMENT IN PROGRESS
NOT FOR CONSTRUCTION

REVISION: DATE:

DRAWN BY: GW, MEL
REVIEWED BY: NH
COMMISSION NUMBER: O25006
DATE: 2025-04-24

A601

FINISH PLAN/SCHEDULE

O25006 CoVantage Credit Union
Kaukauna Branch
4/24/2025 10:17:13 AM
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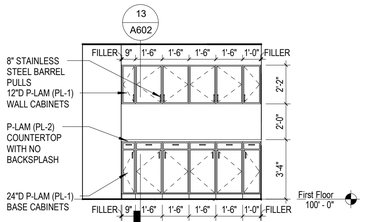
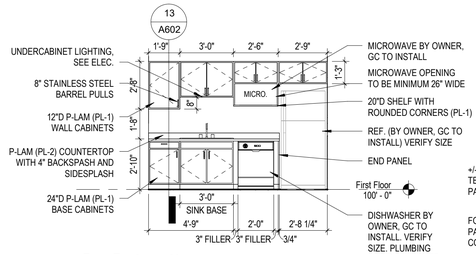
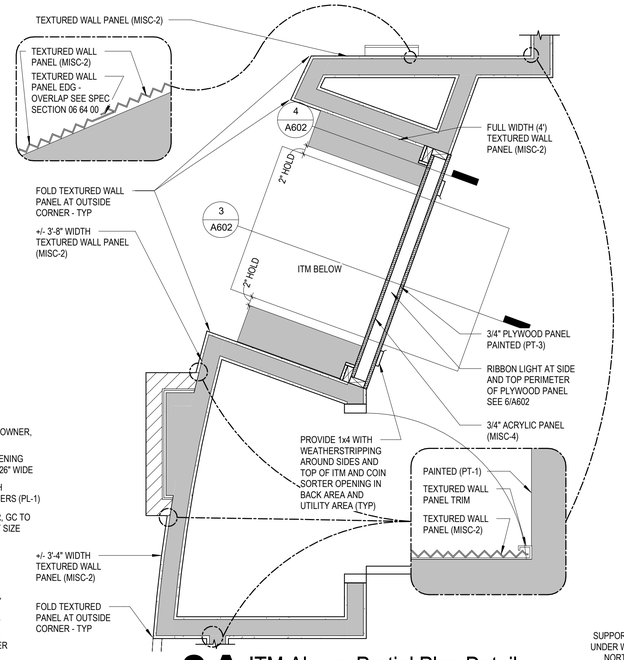


15 Work Room 115 East
1/4" = 1'-0"

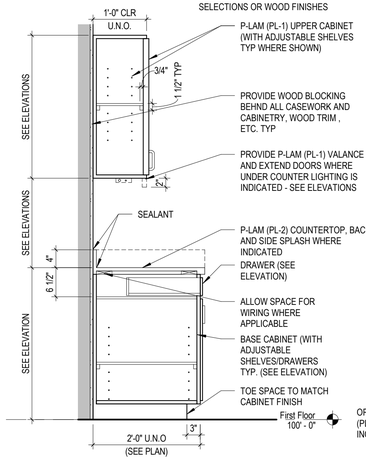


14 Conf/Lunch Room 106
1/4" = 1'-0"



3A ITM Alcove Partial Plan Detail
3/4" = 1'-0"

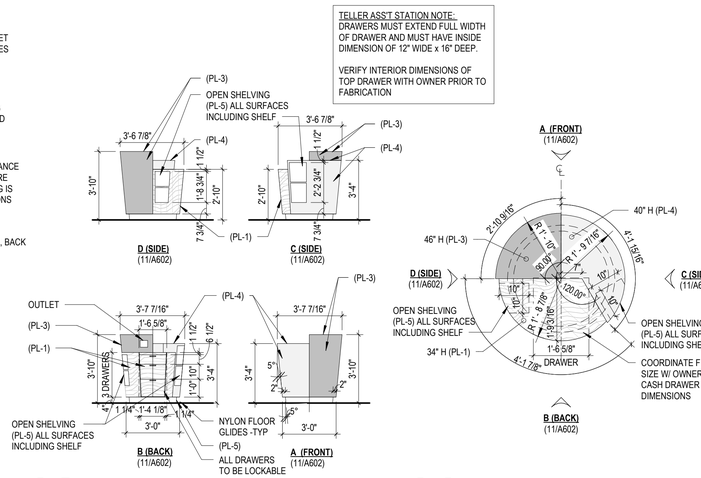
NOTE:
- ALL EXPOSED CABINET ENDS TO BE FINISHED - TYPICAL
- SEE ELEVATIONS FOR P-LAM SELECTIONS OR WOOD FINISHES



13 Cabinet Section - Typ
3/4" = 1'-0"

TELLER ASS'T STATION NOTE:
DRAWERS MUST EXTEND FULL WIDTH OF DRAWER AND MUST HAVE INSIDE DIMENSION OF 12" WIDE x 16" DEEP.

VERIFY INTERIOR DIMENSIONS OF TOP DRAWER WITH OWNER PRIOR TO FABRICATION



12 Teller Assist Station Elevations
1/4" = 1'-0"

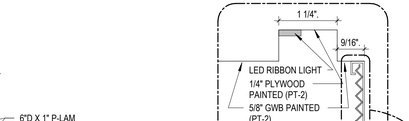
11 Teller Assist Station Plan
1/2" = 1'-0"

New Construction Work for :

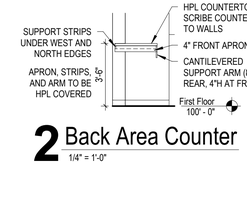
CoVantage Credit Union
Kaukauna Branch

101 E Kelso Rd
Kaukauna, WI 54130

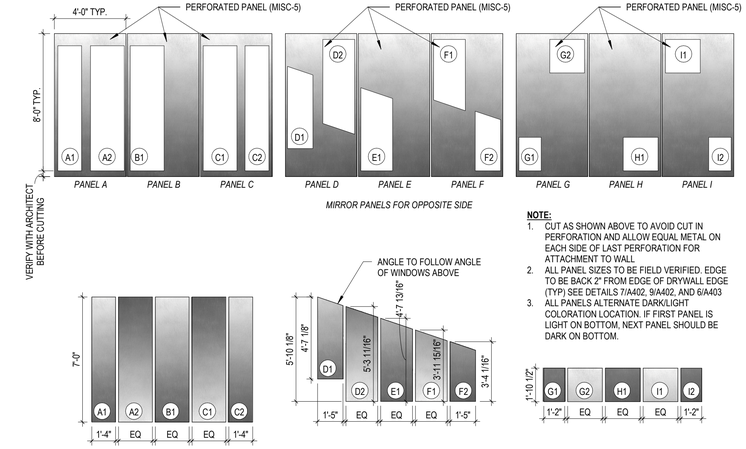
CoVantage CREDIT UNION



3 ITM Alcove Section
1" = 1'-0"

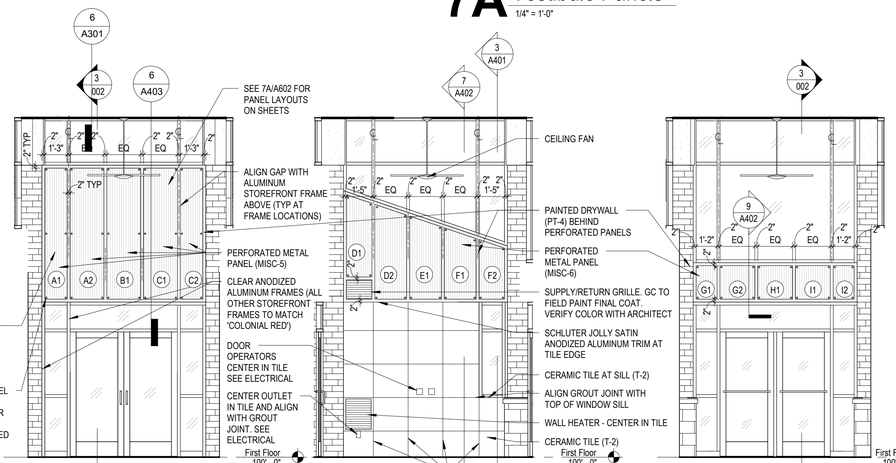


2 Back Area Counter
1/4" = 1'-0"



NOTE:
1. CUT AS SHOWN ABOVE TO AVOID CUT IN PERFORATION AND ALLOW EQUAL METAL ON EACH SIDE OF LAST PERFORATION FOR ATTACHMENT TO WALL.
2. ALL PANEL SIZES TO BE FIELD VERIFIED. EDGE TO BE BACK 2" FROM EDGE OF DRYWALL EDGE (TYP) SEE DETAILS 7/A402, 9/A402, AND 6/A403
3. ALL PANELS ALTERNATE DARK/LIGHT COLORATION LOCATION. IF FIRST PANEL IS LIGHT ON BOTTOM, NEXT PANEL SHOULD BE DARK ON BOTTOM.

7A Vestibule Panels
1/4" = 1'-0"

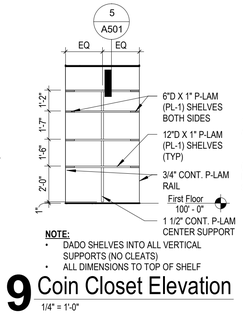


7S South Vestibule Elevation
1/4" = 1'-0"

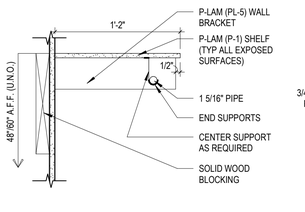
7W West (East) Vestibule Elevation
1/4" = 1'-0"

7N North Vestibule Elevation
1/4" = 1'-0"

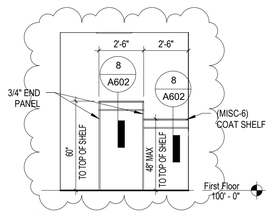
10 Vault Elevation
1/4" = 1'-0"



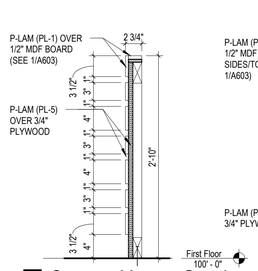
9 Coin Closet Elevation
1/4" = 1'-0"



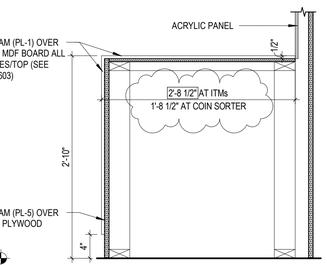
8 Coat Shelf Detail
1 1/2" = 1'-0"



6 Coat Shelf Elevation
1/4" = 1'-0"



5 Center Alcove Section
1" = 1'-0"



4 ITM Alcove Section
1" = 1'-0"

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architects · engineers
404 N. Main Street, Suite 601
Oshkosh, WI 54901
www.martin-riley.com
pho 920.267.3600

MARTIN RILEY
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REVISION:		DATE:
1	CHANGES FROM MENASHA SET	2025-02-24

DRAWN BY:	GW	REVIEWED BY:	NH
COMMISSION NUMBER:	025006	DATE:	2025-04-24

A602

INTERIOR ELEVATIONS AND DETAILS

025006 CoVantage Credit Union
Kaukauna Branch
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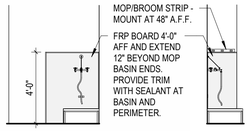
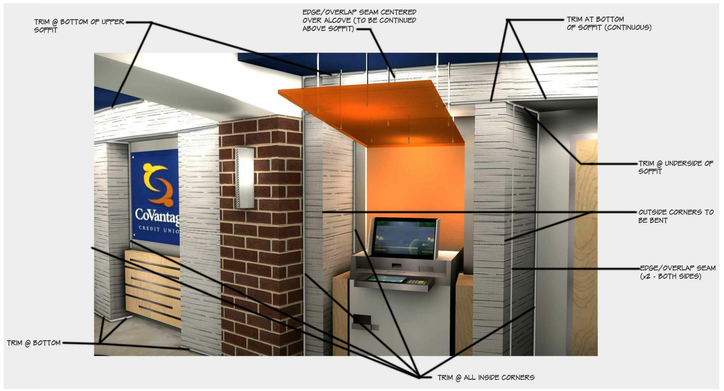
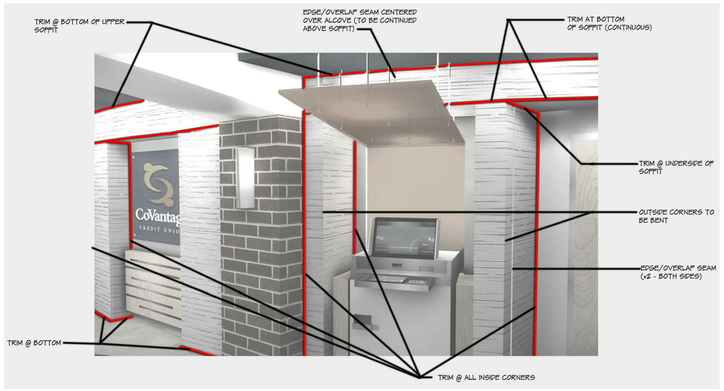


5 Mop Sink Elevations
1/4" = 1'-0"

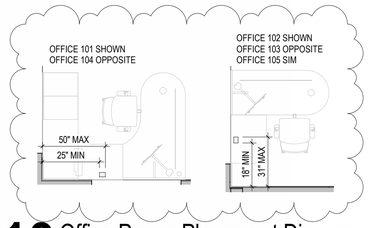


7 ITM Wall Trim Location Reference
NTS

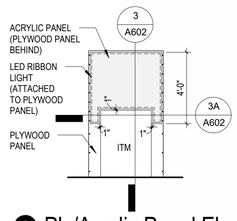
3D VIEWS FOR REFERENCE ONLY. REFER TO DRAWINGS FOR CONSTRUCTION



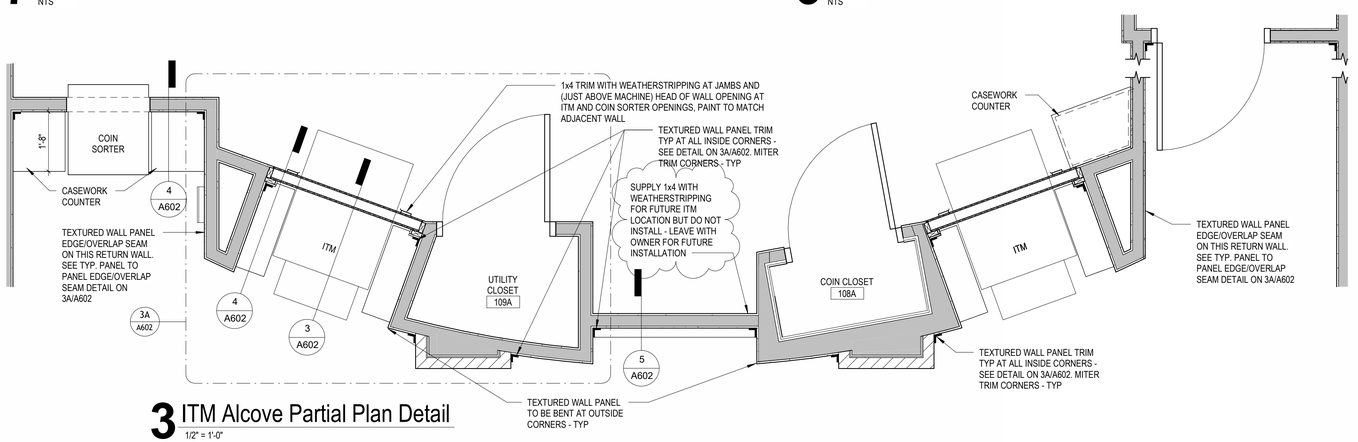
6 ITM Wall Trim Location Reference
NTS



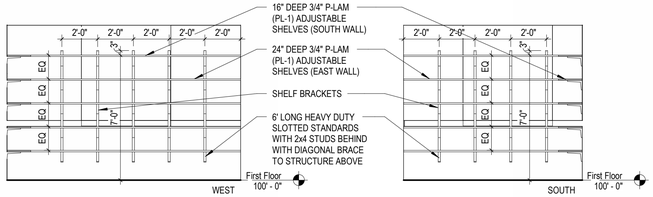
10 Office Power Placement Diagram
1/4" = 1'-0"



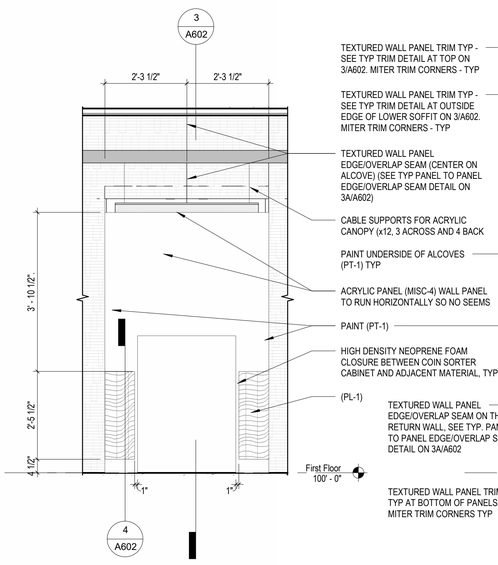
9 Ply/Acrylic Panel Elev
1/4" = 1'-0"



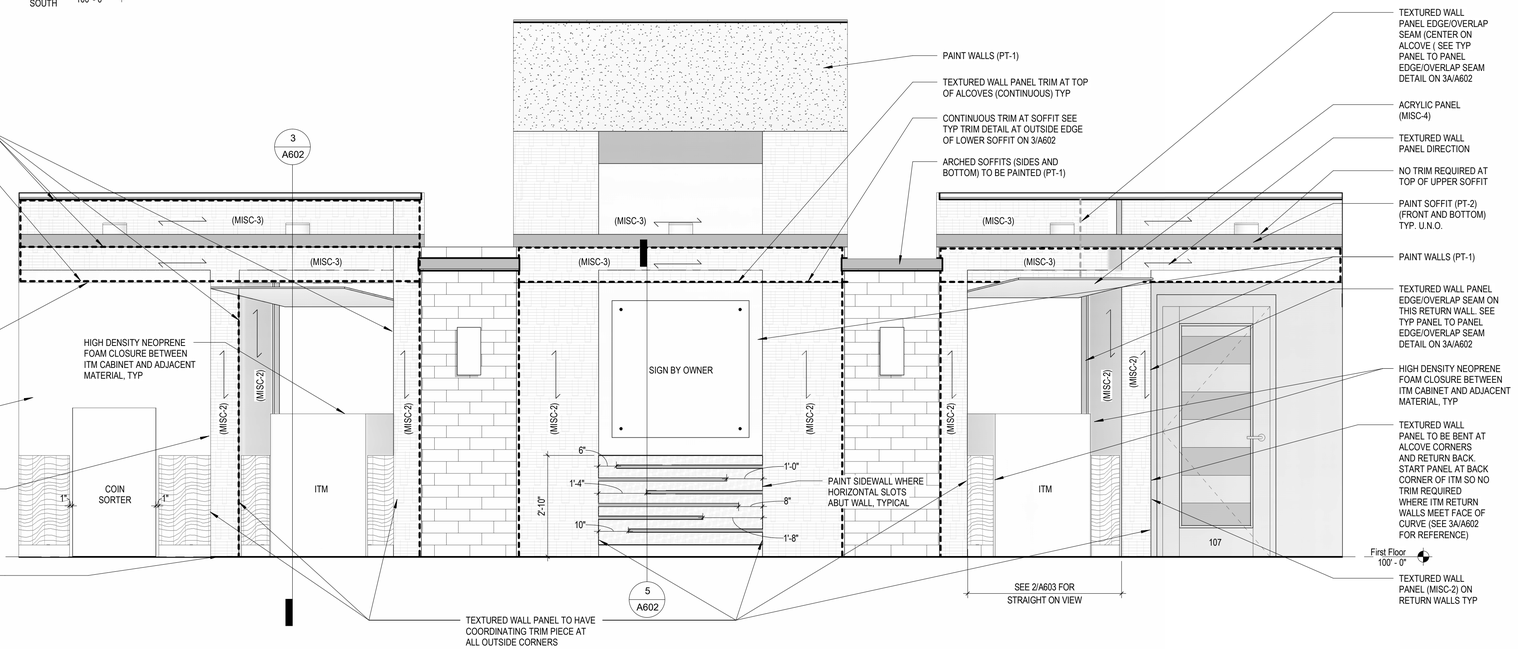
3 ITM Alcove Partial Plan Detail
1/2" = 1'-0"



4 Storage/Mother's Rm 112 Elevations
1/4" = 1'-0"



2 ITM Elevation
1/2" = 1'-0"



1 ITM Wall Elevation
1/2" = 1'-0"

O25006 CoVantage Credit Union
Kaukauna Branch
4/22/2020 10:17:18 AM
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CD

New Construction Work for :

CoVantage Credit Union
Kaukauna Branch

101 E Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

MARTIN RILEY
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REVISION:		DATE:
1	CHANGES FROM MENASHA SET	2025-02-24

DRAWN BY: GW
REVIEWED BY: NH
COMMISSION NUMBER: O25006
DATE: 2025-04-24

A603

INTERIOR ELEVATIONS AND DETAILS

Roof Work Description Notes

1 PROVIDE NEW PLYWOOD SHEATHING

2 PROVIDE NEW CONTINUOUS SELF ADHERING (BUTYL BASED) WATERPROOFING UNDERLAYMENT EXTENDING 24" PASSED INSIDE OF EXTERIOR WALL MINIMUM UP SLOPE AT EAVES, 36" WIDE AT RIDGES, 72" WIDE AT VALLEYS, 36" WIDE AT VERTICAL TRANSITIONS, 36" WIDE AT PENETRATIONS

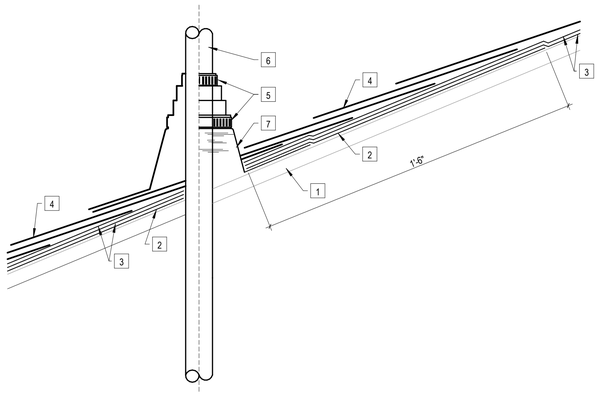
3 PROVIDE NEW (2) LAYERS 30# FELT UNDERLAYMENT - EXTEND OVER SELF ADHEREING (BUTYL BASED) WATERPROOFING UNDERLAYMENT

4 PROVIDE NEW ARCHITECTURAL LAMINATE MODIFIED ASPHALT SHINGLE

5 PROVIDE NEW STAINLESS STEEL COMPRESSION DRAW BAND

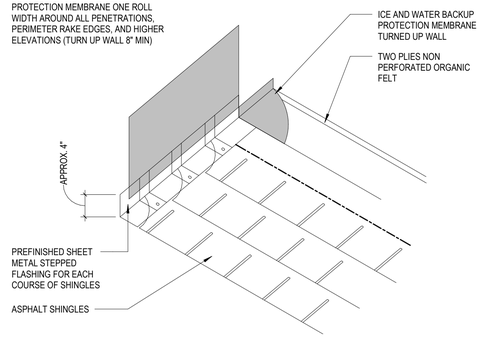
6 NEW ROOF PENETRATION

7 PROVIDE NEW RUBBER PIPE BOOT WITH SPUN ALUMINUM BASE

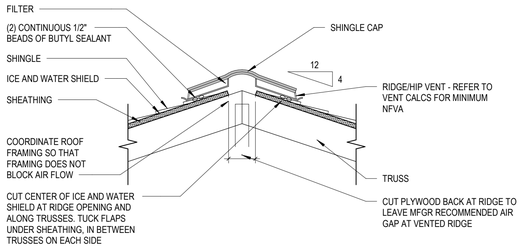


8 Vent Pipe Detail
3" = 1'-0"

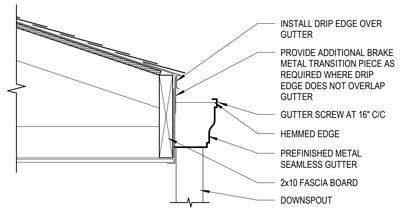
NOTE:
INSTALL ICE AND WATER BACKUP PROTECTION MEMBRANE ONE ROLL WIDTH AROUND ALL PENETRATIONS, PERIMETER RAKE EDGES, AND HIGHER ELEVATIONS (TURN UP WALL 8" MIN)



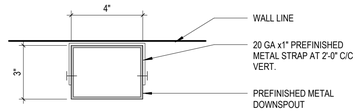
5 Step Flashing/Siding Detail
1 1/2" = 1'-0"



4 Ridge Vent Detail
1 1/2" = 1'-0" HIP VENT DETAIL SIMILAR



3 Eave Section at Gutter
1 1/2" = 1'-0"



2 Section Through Downspout
3" = 1'-0"

NET FREE VENTILATING AREA (NFVA) CALCS

(Sq. ft. of attic space) / 300 = Total min. sq. ft. of NFVA needed
3074 / 300 = 10.25 ft² (1475 in²)

Intake ventilation required = (1/2) NFVA = 737.5 in²
Exhaust ventilation required = (1/2) NFVA = 737.5 in²

Ridge vent = **18 in²/lf** x 5 lf = 90 in²
Hip vent = **9 in²/lf** x 65.75 lf = 591.75 in²
Louver Vent = 60 in²

Total designed ventilation = **741.75 in²**

Note: Provide ridge and hip vents with NFVA greater than or equal to those used in vent calcs.

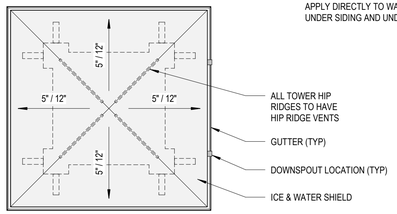
ICE AND WATER SHIELD

ROOF:
6' FROM ROOF EDGE
3' AROUND SKYLIGHT OPENING
3' CENTERED ON VALLEY

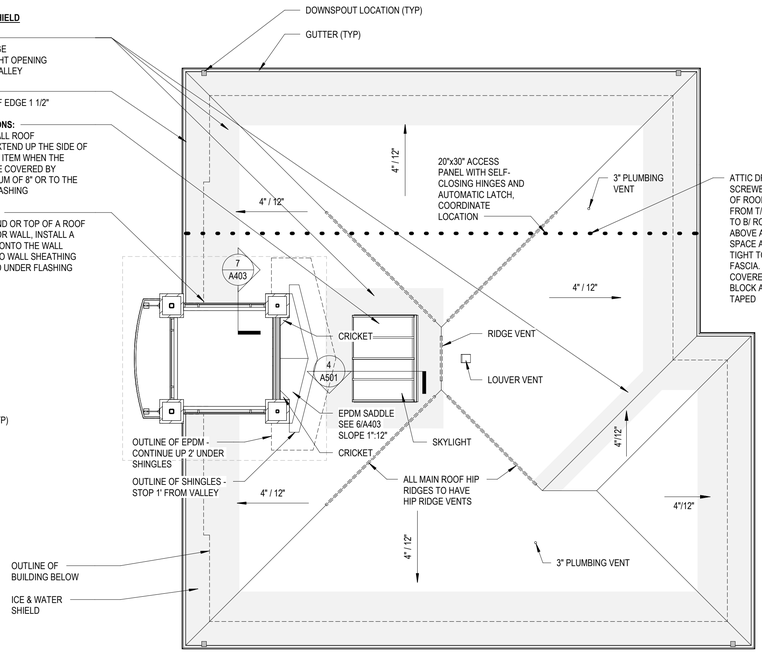
EAVES:
DRAPE OVER ROOF EDGE 1 1/2"

ROOF PENETRATIONS:
INSTALL AROUND ALL ROOF PENETRATIONS. EXTEND UP THE SIDE OF THE PENETRATING ITEM WHEN THE MEMBRANE CAN BE COVERED BY FLASHING A MINIMUM OF 8" OR TO THE HEIGHT OF THE FLASHING

EXTERIOR WALLS:
WHEREVER THE END OR TOP OF A ROOF ABUTS AN EXTERIOR WALL, INSTALL A MINIMUM OF 8" UP ONTO THE WALL. APPLY DIRECTLY TO WALL SHEATHING UNDER SIDING AND UNDER FLASHING

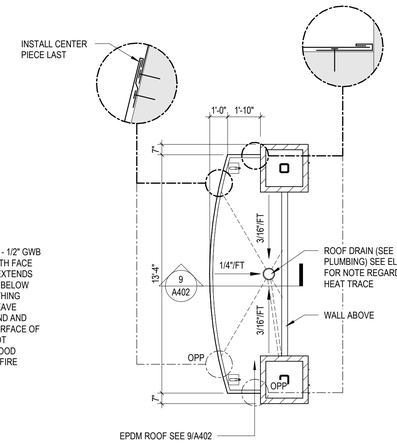


6 Roof Plan - Tower
1/8" = 1'-0"



1 Roof Plan
1/8" = 1'-0"

SEE 3/A410 FOR DRIVE-UP ROOF PLAN



7 Canopy Roof Plan
1/4" = 1'-0"

General Roof Plan Notes

1. COORDINATE AND FLASH ALL OPENINGS THROUGH ROOF SYSTEM WITH PLUMBING, ELECTRICAL, AND MECHANICAL DRAWINGS. PROVIDE CURBS AS REQUIRED
2. PAINT ALL VENT PIPES AND HVAC TO MATCH ROOF - TYPICAL
3. SEE A410 FOR REMOTE DRIVE-UP ROOF PLANS

New Construction Work for :

CoVantage Credit Union
Kaukauna Branch

101 E Kelso Rd
Kaukauna, WI 54130

CoVantage CREDIT UNION

MARTIN RILEY
architects · engineers
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Oshkosh, WI 54901
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pho 920.267.3600

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REVISION: DATE:

DRAWN BY: GW
REVIEWED BY: NH
COMMISSION NUMBER: O25006
DATE: 2025-04-24

R101

ROOF PLAN/DETAILS

O25006 CoVantage Credit Union
Kaukauna Branch
4/22/2025 10:17:19 AM
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CD

MEMO

PLANNING AND COMMUNITY DEVELOPMENT

To: Plan Commission

From: Dave Kittel, Director of Planning and Community Development

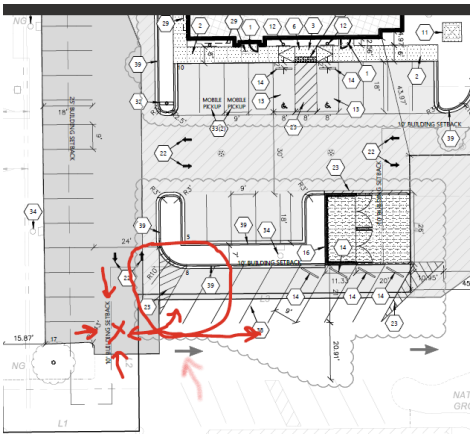
Date: 5/16/2025

Re: Site Plan Review- 1800 Crooks

On December 5th, 2024 the Plan Commission approved a site plan for the redevelopment of 1800 Crooks. The site plan was for the demolition of the old Family video building and then building a Taco Bell on the property. After some discussions with the adjacent commercial property the Taco Bell developers have agreed to make some minor changes to the site plan to help both entities. The new updates are attached to the memo for review. The Changes that are proposed are to allow for some angle parking that currently exists to remain and a slightly different dumpster setup. These changes allow for a shared dumpster facility and help maintain the parking available onsite to prevent on street parking for uses at the adjacent property. The link below will take you to the meeting agenda when this was originally discussed to be able to view the original plans as well.

https://meetings.municode.com/adaHtmlDocument/index?cc=KAUKAUNAWI&me=4878904af1624f019309b4028bdf5a6d&ip=True

Staffs only comment on the updated plan is to possibly eliminate one or two of the angled parking stalls nearest to Crooks Ave to help prevent a conflict point when a car is backing out of the stall. This condition existed previously on site as well see image below for clarity:



Staff Recommendation:

To review the updated site plan and approve the updated plans with one stall of angle parking being removed to ease potential traffic conflict.

NEW BUILDING FOR:

PACIFIC BELLS, LLC

KAUKAUNA, WI

PROJECT INFORMATION

SITE INFORMATION:

A PARCEL OF LAND BEING PART OF PARCEL "A" AND "B", OUTAGAMIE COUNTY CERTIFIED SURVEY MAP NO. 68, RECORDED IN VOLUME 1 OF CERTIFIED SURVEY MAPS, PAGE 68, OUTAGAMIE COUNTY RECORDS, ORIGINALLY BEING A PART OF SUB-LOT "A" OF GOVERNMENT LOT FIVE (5)

APN: 324047300

PROPERTY AREA: 29,875 S.F. (0.686 ACRES)

EXISTING ZONING: CHD (COMMERCIAL HIGHWAY DISTRICT)

PROPOSED ZONING: CHD (COMMERCIAL HIGHWAY DISTRICT)

PROPOSED USE: QUICK SERVE RESTAURANT W/ DRIVE-THRU

AREA OF SITE DISTURBANCE: 22,701 (0.52 ACRES)

AREA OF IMPERVIOUS SURFACE DISTURBANCE: 19,221 S.F. (0.44 ACRES)

SETBACKS:
BUILDING: FRONT (WEST, NORTH, EAST) = 25'
SIDE (SOUTH) = 10'
PAVEMENT: FRONT (WEST, NORTH, EAST) = 0'
SIDE (SOUTH) = 0'

BUFFERYARDS:
FRONT (WEST, NORTH, EAST) = 0'
SIDE (SOUTH) = 0'

PROPOSED BUILDING HEIGHT: 23' (MAX. HEIGHT ALLOWED: 56' OR FOUR STORIES)

PARKING REQUIRED: SUFFICIENT SUCH THAT NO PUBLIC STREET SHALL BE USED

PARKING PROVIDED: 32 SPACES (2 H.C. ACCESSIBLE)

HANDICAP STALLS REQUIRED: 2, HANDICAP STALLS PROVIDED: 2

MAXIMUM LOT COVERAGE - BUILDING ONLY: 35%

EXISTING SITE DATA

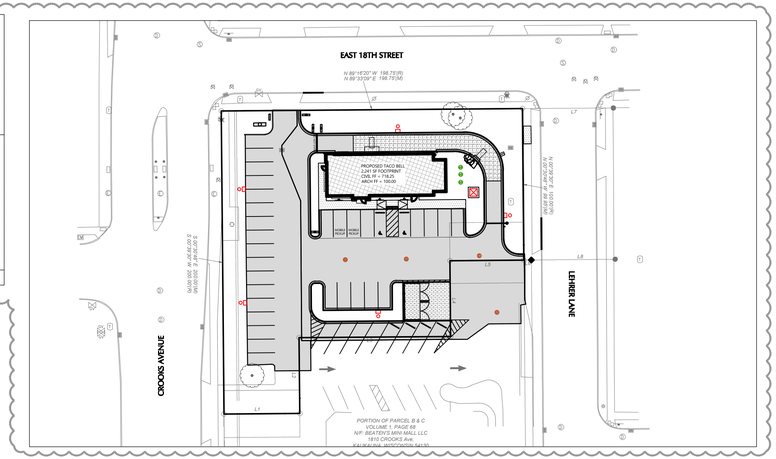
	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.14	6,021	20.2%
PAVEMENT (ASP. & CONC.)	0.40	17,508	58.6%
TOTAL IMPERVIOUS	0.54	23,529	78.8%
LANDSCAPE/ OPEN SPACE	0.15	6,346	21.2%
PROJECT SITE	0.69	29,875	100.0%

PROPOSED SITE DATA

	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.05	2,241	7.5%
PAVEMENT (ASP. & CONC.)	0.43	18,850	63.1%
TOTAL IMPERVIOUS	0.48	21,091	70.6%
LANDSCAPE/ OPEN SPACE	0.20	8,784	29.4%
PROJECT SITE	0.69	29,875	100.0%

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE TELEFAX (414) 259-0947
TDD (FOR THE HEARING IMPAIRED)
1-800 542-2289
WISCONSIN STATUTE 182.0175 (1974)
REQUIRES MINIMUM OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

BENCHMARK NOTE:
BENCHMARKS SHOWN ON THIS PLAN ARE ON NAVD 88 DATUM.



SITE PLAN OVERVIEW
SCALE: 1"= 50'
50' 0 50' 100'

NORTH

PROJECT CONTACTS

OWNER INFORMATION:
ANCHOR POINT MANAGEMENT, LLC
KARI KELLER
111 W. 39TH STREET
VANCOUVER, WA 98660
Phone: (714) 724-9415
Email: KKeller@anchorpointmg.com

CIVIL:
GRANT DUCHAC, P.E.
Phone: (920) 926-9800
E-mail: grant.duchac@excelengineer.com

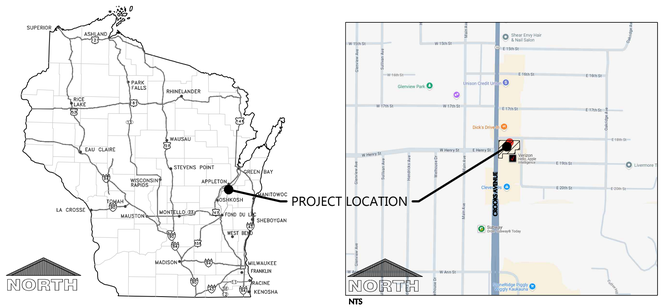
CITY PLANNER:
DAVID KITTEL
Phone: (920) 766-6370
E-mail: dkittel@kaukauna.gov

CITY ENGINEER/DIRECTOR OF PUBLIC WORKS:
JOHN NEUMEIER
Phone: (920) 766-6305
E-mail: jneumeier@kaukauna.gov

CITY FIRE CHIEF:
JAKE CARREL
Phone: (920) 766-6320 ext. 2

CITY BUILDING INSPECTOR:
BRETT JENSEN
Phone: (920) 766-6325
E-mail: buildinginspector@kaukauna.gov

LOCATION MAP



NTS

PROJECT NOTES

GENERAL PROJECT NOTES

1. ALL DRIVEWAYS AND CURB CUTS TO BE CONSTRUCTED ACCORDING TO LOCAL ORDINANCES. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL WORK IN ROW PERMITS.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH THE NEIGHBORING PROPERTY OWNER TO THE SOUTH.

SHEET INDEX

SHEETS BELOW INTENDED TO BE PRINTED IN: COLOR. REFER TO DIGITAL FORMAT DRAWINGS IF PRINTED GRAYSCALE TO ENSURE SCOPE CLARITY.

LEGEND

NOTE: ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS.

SYM.	IDENTIFICATION	SYM.	IDENTIFICATION
SPOT ELEVATIONS			
000.00	PROPOSED SPOT ELEVATIONS (FLOW LINE OF CURB UNLESS OTHERWISE SPECIFIED)	000.00 TC 000.00 FL	PROPOSED SPOT ELEVATIONS (TOP OF CURB, FLOWLINE OF CURB)
000.00 EG	EXISTING GRADE SPOT ELEVATIONS		
000.00 BG 000.00 FG	PROPOSED SPOT ELEVATIONS (REFERENCE R-WALL DETAIL) BG-FINISHED SURFACE GRADE AT BACK OF WALL FG-FINISHED SURFACE GRADE AT FRONT OF WALL	000.00 TW 000.00 BW	PROPOSED SPOT ELEVATIONS (TOP OF WALK, BOTTOM OF WALK @ FLOWLINE)
EXISTING SITE SYMBOLS			
	EXISTING SIGN		EXISTING UTILITY POLE
	EXISTING HANDICAP PARKING STALL		EXISTING UTILITY POLE WITH GUY WIRE
	EXISTING WATER VALVE IN BOX		EXISTING STREET LIGHT
	EXISTING WATER VALVE IN MANHOLE	T	EXISTING TELEPHONE PEDESTAL
	EXISTING WATER SERVICE VALVE	E	EXISTING ELECTRIC PEDESTAL
	EXISTING WELL		EXISTING ELECTRIC BOX
	EXISTING STORM CATCH BASIN		EXISTING FLOOD LIGHT
	EXISTING STORM CURB INLET	T	EXISTING TELEPHONE MANHOLE
	EXISTING SQUARE CATCH BASIN	C	EXISTING CABLE TV PEDESTAL
	EXISTING LIGHT POLE		EXISTING GAS VALVE
	1-1/4" REBAR SET WEIGHING 4.30 LB/FT.		EXISTING HEDGE
	3/4" REBAR SET WEIGHING 1.50 LB/FT.		EXISTING WOODED AREA
	1-1/4" REBAR FOUND		EXISTING MARSH AREA
	3/4" REBAR FOUND		EXISTING DECIDUOUS TREE WITH TRUNK DIAMETER
	2" IRON PIPE FOUND		EXISTING CONIFEROUS TREE
	1" IRON PIPE FOUND		EXISTING SHRUB
	SECTION CORNER		EXISTING STUMP
PROPOSED SITE SYMBOLS			
	PROPOSED SIGN		PROPOSED STORM FIELD INLET - ST FI
	PROPOSED HANDICAP PARKING STALL		PROPOSED LIGHT POLE
	PROPOSED WATER VALVE IN BOX		PROPOSED DRAINAGE FLOW
	PROPOSED WATER VALVE IN MANHOLE		PROPOSED APRON END SECTION
	PROPOSED WATER SERVICE VALVE		SOIL BORING
	PROPOSED WELL		CENTER LINE
	PROPOSED STORM CATCH BASIN - ST CB	CO	PROPOSED CLEANOUT
	PROPOSED STORM CURB INLET - ST CI	DSG	PROPOSED DOWNSPOUT TO GRADE
2CO	PROPOSED 2-WAY CLEANOUT	DSR	PROPOSED DOWNSPOUT TO RISER
EXISTING LINETYPES			
	EXISTING CHAINLINK FENCE	POL	EXISTING POLISH SEWER AND MANHOLE
	EXISTING WOOD FENCE	P	EXISTING PROCESS SEWER AND MANHOLE
	EXISTING CURB AND GUTTER	FO	EXISTING UNDERGROUND FIBER OPTIC LINE
	EXISTING GUARD RAIL	E	EXISTING UNDERGROUND ELECTRIC CABLE
800	EXISTING GROUND CONTOUR	T	EXISTING UNDERGROUND TELEPHONE CABLE
ST	EXISTING STORM SEWER AND MANHOLE	G	EXISTING UNDERGROUND GAS LINE
SA	EXISTING SANITARY SEWER AND MANHOLE	OU	EXISTING OVERHEAD UTILITY LINE
	EXISTING WATER LINE AND HYDRANT		RAILROAD TRACKS
	INTERIOR PROPERTY LINE		RIGHT-OF-WAY LINE
PROPOSED LINETYPES			
	PROPOSED CHAINLINK FENCE	POL	PROPOSED POLISH SEWER AND MANHOLE
	PROPOSED WOOD FENCE	P	PROPOSED PROCESS SEWER AND MANHOLE
	PROPOSED BARBED WIRE FENCE	CLW	PROPOSED CLEAR WATER LINE
	PROPOSED CURB AND GUTTER	FO	PROPOSED UNDERGROUND FIBER OPTIC LINE
	PROPOSED GUARD RAIL	E	PROPOSED UNDERGROUND ELECTRIC CABLE
800	PROPOSED GROUND CONTOUR	T	PROPOSED UNDERGROUND TELEPHONE CABLE
ST	PROPOSED STORM SEWER AND MANHOLE - ST MH	G	PROPOSED UNDERGROUND GAS LINE
SA	PROPOSED SANITARY SEWER AND MANHOLE - SAN MH	OU	PROPOSED OVERHEAD UTILITY LINE
	PROPOSED WATER LINE AND HYDRANT		MATCHLINE
	PROPOSED PROPERTY LINE		GRADING/SEEDING LIMITS

CIVIL COVER SHEET

EXCEL
Always a Better Plan
100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

NEW BUILDING FOR:
PACIFIC BELLS LLC
1800 CROOKS AVENUE • KAUKAUNA, WI 54130

PROFESSIONAL SEAL
WISCONSIN GRANT DUCHAC 42768-6 FOND DU LAC WISCONSIN PROFESSIONAL ENGINEER
05/09/25

SHEET DATES
SHEET ISSUE DEC. 6, 2024
REVISIONS
AD1 JAN. 9, 2025
CB1 MAY 7, 2025

JOB NUMBER
240296000

SHEET NUMBER
C0.1

CIVIL SPECIFICATIONS

DIVISION 31 EARTH WORK

31 10 00 SITE CLEARING (DEMOLITION)

A. CONTRACTOR SHALL CALL DIGGER'S HOT LINE AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING SITE DEMOLITION. DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
B. CONTRACTOR TO FIELD TELEVISE ALL EXISTING SANITARY AND STORM LATERALS THAT ARE SCHEDULED TO BE RE-USED AND/OR CONNECTED TO ON SITE AT TIME OF DEMOLITION. THE TELEVISING SHALL BE COMPLETED TO ENSURE THE EXISTING LATERAL(S) ARE FREE OF OBSTRUCTIONS AND IN SOUND STRUCTURAL CONDITION. TELEVISING OF THESE LATERAL(S) SHOULD BE COMPLETED AT BEGINNING OF CONSTRUCTION AND DESIGN ENGINEER SHALL BE NOTIFIED OF ANY PIPE OBSTRUCTIONS AND/OR STRUCTURAL DEFICIENCIES IMMEDIATELY AFTER COMPLETION OF FIELD TELEVISING.
C. DEMOLITION PLAN IS AN OVERVIEW OF DEMOLITION TO TAKE PLACE ON SITE. CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS PRIOR TO BIDDING. CONTRACTOR SHALL REMOVE, REPLACE, OR DEMOLISH ALL ITEMS AS NEEDED DURING CONSTRUCTION.
D. CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS THAT ARE SCHEDULED TO REMAIN. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED AT CONTRACTORS EXPENSE.
E. ALL CONCRETE NOTED TO BE REMOVED SHALL BE REMOVED TO THE NEAREST CONTROL JOINT.

31 20 00 EARTH MOVING

A. CONTRACTOR SHALL CALL DIGGER'S HOT LINE AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING EXCAVATION. DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
B. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT FOR ALL EXCAVATION, GRADING, FILL, AND BACKFILL WORK AS REQUIRED TO COMPLETE THE GENERAL CONSTRUCTION WORK. ALL EXCAVATION AND BACKFILL FOR ELECTRICALS AND MECHANICALS ARE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS.
C. ALL ORGANIC TOPSOIL INSIDE THE BUILDING AREA, UNDER PAVED AREAS, AND AT SITE FILL AREAS SHALL BE REMOVED. PROOF ROLL SUBGRADES BEFORE PLACING FILL WITH HEAVY PNEUMATIC-TIRED EQUIPMENT, SUCH AS A FULLY-LOADED TANDEM AXLE DUMP TRUCK, TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. CONTRACTOR SHALL VERIFY TOPSOIL DEPTHS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW AND FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND ACCOUNT FOR EXISTING CONDITIONS PRIOR TO SUBMITTING BID FOR THE PROJECT. EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED IN THE PLANS OR BY LOCAL ZONING REQUIREMENTS.
D. PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS. UNIFORMLY MOISTEN OR AERATE SUBGRADE AND EACH SUBSEQUENT FILL OR BACKFILL LAYER BEFORE COMPACTION AS RECOMMENDED TO ACHIEVE SPECIFIED DRY DENSITY. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, OTHERWISE SATISFACTORY SOIL MATERIAL THAT IS TOO WET TO COMPACT TO SPECIFIED DRY DENSITY.
E. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
F. COMPACT THE SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 698, STANDARD PROCTOR TEST. FILL MAY NOT BE PLACED ON FROZEN GROUND AND NO FROZEN MATERIALS MAY BE USED FOR BACKFILL. APPLY THE MORE STRINGENT REQUIREMENTS WHEN COMPARING BETWEEN THE FOLLOWING AND THE GEOTECHNICAL REPORT.
   1. UNDER FOUNDATIONS - SUBGRADE, AND EACH LAYER OF BACKFILL OR FILL MATERIAL, TO NOT LESS THAN 98 PERCENT.
   2. UNDER INTERIOR SLAB-ON-GRADE WHERE GROUNDWATER IS MORE THAN 3 FEET BELOW THE SLAB - PLACE A DRAINAGE COURSE LAYER OF 3/4" CRUSHED STONE, WITH 5% TO 12% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS ON PREPARED SUBGRADE. COMPACT THE SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT.
   3. UNDER INTERIOR SLAB-ON-GRADE WHERE GROUNDWATER IS WITHIN 3 FEET OF THE SLAB SURFACE- PLACE A DRAINAGE COURSE LAYER OF CLEAN 3/4" CRUSHED STONE, WITH NO MORE THAN 5% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS ON PREPARED SUBGRADE. COMPACT THE SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT.
   4. UNDER EXTERIOR CONCRETE AND ASPHALT PAVEMENTS - COMPACT THE SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
   5. UNDER WALKWAYS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
   6. UNDER LAWN OR UNPAVED AREAS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL, TO NOT LESS THAN 85 PERCENT.
G. CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF PASSING DENSITY TESTING AND PROOF-ROLLING TO ENGINEER UPON COMPLETION. IT IS SUGGESTED THAT THE GEOTECHNICAL FIRM USED TO PERFORM THE SUBSURFACE SOIL INVESTIGATION BE ENGAGED FOR THE FIELD QUALITY CONTROL TESTS. THE GEOTECHNICAL REPORT WAS PERFORMED BY PROFESSIONAL SERVICE INDUSTRIES, INC.
H. ALLOW THE TESTING AGENCY TO TEST AND INSPECT SUBGRADES AND EACH FILL OR BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLY WITH REQUIREMENTS. PROVIDE ONE TEST FOR EVERY 2000 SQUARE FEET OF PAVED AREA OR BUILDING SLAB, ONE TEST FOR EACH SPREAD FOOTING, AND ONE TEST FOR EVERY 50 LINEAR FEET OF WALL STRIP FOOTING.
I. WHEN THE TESTING AGENCY REPORTS THAT SUBGRADES, FILLS, OR BACKFILLS HAVE NOT ACHIEVED DEGREE OF COMPACTION SPECIFIED, SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED; RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTION IS OBTAINED.
J. THE BUILDING SITE SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING AS INDICATED ON THE PLANS. SITE EARTHWORK SHALL BE GRADED TO WITHIN 0.10' OF REQUIRED EARTHWORK ELEVATIONS ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE GRADING PLAN.

31 30 00 EROSION CONTROL

A. THE GRADING PLAN REFLECTS LESS THAN 1 ACRE OF DISTURBED AREA. THE SITE IS THEREFORE EXEMPT FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES NR 216 NOTICE OF INTENT REQUIREMENTS. THE DESIGN ENGINEER SHALL PREPARE AN EROSION CONTROL PLAN TO MEET NR 151.105 CONSTRUCTION SITE PERFORMANCE STANDARDS FOR NON-PERMITTED SITES.
B. EROSION AND SEDIMENT CONTROL IMPLEMENTED DURING CONSTRUCTION SHALL STRICTLY COMPLY WITH THE GUIDELINES AND REQUIREMENTS SET FORTH IN WISCONSIN ADMINISTRATIVE CODE (W.A.C.) NR 151, THE STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES RUNOFF MANAGEMENT PERFORMANCE STANDARDS. TECHNICAL STANDARDS PUBLISHED BY THE WISCONSIN DNR SHALL ALSO BE UTILIZED TO IMPLEMENT THE REQUIRED PERFORMANCE STANDARDS. THE METHODS AND TYPES OF EROSION CONTROL WILL BE DEPENDENT ON THE LOCATION AND TYPE OF WORK INVOLVED. ALL SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION, AND INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL. BELOW IS A LIST OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES TO ACHIEVE THE PERFORMANCE STANDARDS REQUIRED.
   1. SILT FENCE SHALL BE PLACED ON SITE AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. SILT FENCE SHALL ALSO BE PROVIDED AROUND THE PERIMETER OF ALL SOIL STOCKPILES THAT WILL EXIST FOR MORE THAN 7 DAYS. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1056 (CURRENT EDITION).
   2. DITCH CHECKS SHALL BE PROVIDED TO REDUCE THE VELOCITY OF WATER FLOWING IN DITCH BOTTOMS. PLACE AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1062 (CURRENT EDITION).
   3. STONE TRACKING PADS AND TRACKOUT CONTROL PRACTICES SHALL BE PLACED AT ALL CONSTRUCTION SITE ENTRANCES AND SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE CONSTRUCTION SITE. SEE THE EROSION CONTROL PLAN FOR LOCATIONS. THE AGGREGATE USED FOR THE STONE TRACKING PAD SHALL BE 3/8" TO 3 INCH CLEAR OR WASHED STONE AND SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. THE STONE SHALL BE UNDERLAIN WITH A WISDOT TYPE R GEOTEXTILE FABRIC AS NEEDED. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT (12' MIN WIDTH) AND SHALL BE A MINIMUM OF 50 FEET LONG. SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. OTHER TRACKOUT CONTROL PRACTICES INCLUDING STABILIZED WORK SURFACES, MANUFACTURED TRACKOUT CONTROL DEVICES, TIRE WASHING, AND STREET/PAVEMENT CLEANING SHALL BE IMPLEMENTED AS NECESSARY TO MITIGATE THE TRACKOUT OF SEDIMENT OFFSITE. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1057 (CURRENT EDITION).
   4. STORM DRAIN INLET PROTECTION SHALL BE PROVIDED FOR ALL NEW AND DOWNSTREAM STORM CATCH BASINS AND CURB INLETS. TYPE B OR C PROTECTION SHOULD BE PROVIDED AND SHALL BE IN CONFORMANCE WITH WISCONSIN DNR TECHNICAL STANDARD 1060 (CURRENT EDITION).
   5. DUST CONTROL MEASURES SHALL BE PROVIDED TO REDUCE OR PREVENT THE SURFACE AND AIR TRANSPORT OF DUST DURING CONSTRUCTION. CONTROL MEASURES INCLUDE APPLYING MULCH AND ESTABLISHING VEGETATION, WATER SPRAYING, SURFACE ROUGHENING, APPLYING POLYMERS, SPRAY-ON TACKIFIERS, CHLORIDES, AND BARRIERS. SOME SITES MAY REQUIRE AN APPROACH THAT UTILIZES A COMBINATION OF MEASURES FOR DUST CONTROL. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1068 (CURRENT EDITION).
   6. THE USE, STORAGE, AND DISPOSAL OF CHEMICALS, CEMENT, AND OTHER COMPOUNDS AND MATERIALS USED ON SITE SHALL BE MANAGED DURING THE CONSTRUCTION PERIOD TO PREVENT THEIR TRANSPORT BY RUNOFF INTO WATERS OF THE STATE.
   7. CONTRACTOR SHALL PROVIDE AN OPEN AGGREGATE CONCRETE TRUCK WASHOUT AREA ON SITE. CONTRACTOR TO ENSURE THAT CONCRETE WASHOUT SHALL BE CONTAINED TO THIS DESIGNATED AREA AND NOT BE ALLOWED TO RUN INTO STORM INLETS OR INTO THE OVERLAND STORMWATER DRAINAGE SYSTEM. WASHOUT AREA SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.
   8. TEMPORARY SITE RESTORATION SHALL TAKE PLACE IN DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 DAYS AND REQUIRES VEGETATIVE COVER FOR LESS THAN ONE YEAR. THIS TEMPORARY SITE RESTORATION REQUIREMENT ALSO APPLIES TO SOIL STOCKPILES THAT EXIST FOR MORE THAN 7 DAYS. PERMANENT RESTORATION APPLIES TO AREAS WHERE PERENNIAL VEGETATIVE COVER IS NEEDED TO PERMANENTLY STABILIZE AREAS OF EXPOSED SOIL. PERMANENT STABILIZATION SHALL OCCUR WITHIN 3 WORKING DAYS OF FINAL GRADING. TOPSOIL, SEED, AND MULCH SHALL BE IN GENERAL CONFORMANCE WITH TECHNICAL STANDARDS 1058 AND 1059 AND SHALL MEET THE SPECIFICATIONS FOUND IN THE LANDSCAPING AND SITE STABILIZATION SECTION OF THIS CONSTRUCTION DOCUMENT. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR FINAL STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
   9. IF SITE DEWATERING IS REQUIRED FOR PROPOSED CONSTRUCTION ACTIVITIES, ALL SEDIMENT LADEN WATER GENERATED DURING THE DEWATERING PROCESS SHALL BE TREATED TO REMOVE SEDIMENT PRIOR TO DISCHARGING OFF-SITE OR TO WATERS OF THE STATE. FOLLOW ALL PROCEDURES FOUND IN TECHNICAL STANDARD 1061.
   10. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED UP BY THE END OF EACH WORKING DAY. DUST CONTROL REQUIREMENTS SHALL BE FOLLOWED PER WI DNR TECHNICAL STANDARD 1068 (CURRENT EDITION). FLUSHING SHALL NOT BE ALLOWED.
C. ALL EROSION CONTROL DEVICES SHALL AT A MINIMUM BE INSPECTED EVERY 7 CALENDAR DAYS OR EVERY 14 DAYS AND WITHIN 24 HOURS OF THE END OF A RAIN EVENT OF 0.5" OR MORE. MAINTENANCE SHALL BE PERFORMED PER WISCONSIN ADMINISTRATIVE CODE (W.A.C.) NR 151 STORMWATER MANAGEMENT TECHNICAL STANDARD REQUIREMENTS.
D. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THE AREA(S) SERVED HAVE ESTABLISHED VEGETATIVE COVER.
E. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL EROSION CONTROL PERMITS.

DIVISION 32 EXTERIOR IMPROVEMENTS

32 10 00 AGGREGATE BASE & ASPHALT PAVEMENT

A. CONTRACTOR TO PROVIDE COMPACTED AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT WHERE INDICATED ON THE PLANS. ALL AGGREGATE PROVIDED MUST COMPLY WITH SECTION 305 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. PROVIDE HOT MIX ASPHALT MIXTURE TYPES PER SECTION 460 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. CONTRACTOR SHALL OBTAIN AND REVIEW SOILS REPORT FOR RECOMMENDATIONS FOR GEO-GRID / GEOTEXTILE BELOW CRUSHED AGGREGATE (IF APPLICABLE). CONTRACTOR TO PROVIDE AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT TYPES AND DEPTHS AS INDICATED BELOW:

STANDARD ASPHALT PAVING SECTION
1-3/4" SURFACE COURSE (5 LT 58-28S)
(WISDOT 455.2.5 TACK COAT (STAGED PAVING)
1-3/4" BINDER COURSE (4 LT 58-28S)
9" OF 1-1/4" CRUSHED AGGREGATE

HEAVY ASPHALT PAVING SECTION
2" SURFACE COURSE (5 LT 58-28S)
WISDOT 455.2.5 TACK COAT (STAGED PAVING)
1-3/4" BINDER COURSE (4 LT 58-28S)
12" OF 1-1/4" CRUSHED AGGREGATE

MILL & OVERLAY
MILL 2" OF SURFACE ASPHALT PAVEMENT
WISDOT 455.2.5 TACK COAT
2" SURFACE COURSE (5 LT 58-28S)

B. CONTRACTOR TO COMPACT THE AGGREGATE BASE, ASPHALT BINDER COURSE, AND ASPHALT SURFACE COURSE TO AN AVERAGE DENSITY PER WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. ALL ASPHALT PAVEMENT AREAS SHALL BE PAVED TO WITHIN 0.05' OF DESIGN SURFACE GRADES WITH POSITIVE DRAINAGE BEING MAINTAINED IN ACCORDANCE WITH DESIGN PLANS. A MINIMUM OF 1.5% SLOPE SHALL BE MAINTAINED IN ALL ASPHALT PAVEMENT AREA.
C. HOT MIX ASPHALT CONSTRUCTION TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF GEOTECHNICAL REPORT OR CONSTRUCTION DOCUMENTS.
D. CONTRACTOR TO PROVIDE 4" WIDE YELLOW PAINTED STRIPING FOR PARKING STALLS, TRAFFIC LANES, AND NO PARKING AREAS. YELLOW PAINT MARKINGS SHALL ALSO BE PROVIDED FOR H.C. ACCESSIBLE SYMBOLS, TRAFFIC ARROWS, AND TRAFFIC MESSAGES.

32 20 00 CONCRETE AND AGGREGATE BASE

A. CONTRACTOR TO PROVIDE CRUSHED AGGREGATE BASE AND CONCRETE WHERE INDICATED ON THE PLANS.
B. ALL AGGREGATE PROVIDED MUST COMPLY WITH SECTION 305 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. ALL AGGREGATE PLACED MUST BE COMPACTED TO AN AVERAGE DENSITY PER WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
C. DESIGN AND CONSTRUCTION OF ALL CAST-IN-PLACE EXTERIOR CONCRETE FLAT WORK SHALL CONFORM TO ACI 330R-08 & ACI 318-08.
D. EXTERIOR CONCRETE FLAT WORK CONSTRUCTION TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF THE GEOTECHNICAL REPORT OR THIS SPECIFICATION. CONCRETE FLAT WORK CONSTRUCTION IS AS FOLLOWS:
   1. SIDEWALK CONCRETE - 4" OF CONCRETE OVER 4" OF 3/4" CRUSHED AGGREGATE BASE. CONTRACTION JOINTS SHALL CONSIST OF 1/8" WIDE BY 1" DEEP TOOLED JOINT WHERE INDICATED ON THE PLANS.
   2. DUMPSTER PAD/APRON CONCRETE - 8" OF CONCRETE OVER 6" OF AGGREGATE BASE.
      a. CONCRETE SHALL BE STEEL REINFORCED WITH THE FOLLOWING AND PLACED IN THE UPPER 1/3 TO ½ OF THE SLAB:
         1) TIE BARS AT ALL CONTRACTION JOINTS OF THE CONCRETE. TIE BARS SHALL BE #4 REBAR 30" LONG PLACED AT 30" O.C.
      b. DUMPSTER PAD CONCRETE JOINTING SHALL BE AS FOLLOWS:
         1) CONTRACTION SAWCUT JOINT - CONTRACTOR SHALL PROVIDE A SAWCUT JOINT AT MAXIMUM SPACING OF 15' ON CENTER. SAWCUT SHALL BE 2" IN DEPTH.
         2) TYPICAL POUR CONTROL JOINT - POUR CONTROL JOINT SHALL BE PROVIDED WITH 1-1/4" DIAMETER BY 20" LONG SMOOTH DOWEL PLACED AT 12" O.C. ONE HALF OF THE DOWEL SHALL BE GREASED. GREENSTREAK 9" SPEED DOWEL TUBES SHALL BE USED.
   3. HEAVY DUTY/DRIVE-THRU CONCRETE - 7" OF CONCRETE OVER 6" OF 3/4" CRUSHED AGGREGATE. CONCRETE SHALL BE REINFORCED WITH #3 REBARS ON CHAIRS AT 3' O.C. REBAR SHALL BE PLACED PLACED IN THE UPPER 1/3 TO ½ OF THE SLAB. CONTRACTION JOINTS SHALL BE SAWCUT 1.75" IN DEPTH AND BE SPACED A MAXIMUM OF 15' ON CENTER.
E. DESIGN MIXES SHALL BE IN ACCORDANCE WITH ASTM C94
   1. STRENGTH TO BE MINIMUM OF 4,500 PSI AT 28 DAYS FOR EXTERIOR CONCRETE.
   2. MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45.
   3. SLUMP SHALL NOT EXCEED 4" FOR EXTERIOR CONCRETE FLAT WORK
   4. SLUMP SHALL BE 2.5" OR LESS FOR SLIP-FORMED CURB AND GUTTER
   5. SLUMP SHALL BE BETWEEN 1.5" TO 3" FOR NON SLIP-FORMED CURB AND GUTTER.
   6. ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED WITH 4% TO 7% AIR CONTENT. NO OTHER ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF EXCEL ENGINEERING, INC. CALCIUM CHLORIDE SHALL NOT BE USED.
   7. MAXIMUM AGGREGATE SIZE FOR ALL EXTERIOR CONCRETE SHALL BE 0.75 INCHES.
F. VERIFY EQUIPMENT CONCRETE PAD SIZES WITH CONTRACTOR REQUIRING PAD. PADS SHALL HAVE FIBERMESH 300 FIBERS AT A RATE OF 1.5 LBS/CU. YD. OR 6 X 6-W1.4 X W1.4 WELDED WIRE MESH WITH MINIMUM 1 INCH COVER. EQUIPMENT PADS SHALL BE 5.5 INCHES THICK WITH 1 INCH CHAMFER UNLESS SPECIFIED OTHERWISE. COORDINATE ADDITIONAL PAD REQUIREMENTS WITH RESPECTIVE CONTRACTOR.
G. ALL CONCRETE FLAT WORK SURFACES AND CONCRETE CURB FLOWLINES SHALL BE CONSTRUCTED TO WITHIN 0.05' OF DESIGN SURFACE AND FLOWLINE GRADES ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE DESIGN PLANS.
H. CONCRETE FLAT WORK SHALL HAVE CONSTRUCTION JOINTS OR SAW CUT JOINTS PLACED AS INDICATED ON THE PLANS OR PER THIS SPECIFICATION. SAWCUTS SHALL BE DONE AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER CONCRETE IS PLACED. CONCRETE CURB AND GUTTER JOINTING SHALL BE PLACED EVERY 10' OR CLOSER (6' MIN.). IF CONCRETE PAVEMENT IS ADJACENT TO CONCRETE CURB, JOINTING IN THE PAVEMENT AND CURB SHALL ALIGN. ALL EXTERIOR CONCRETE SHALL HAVE A BROOM FINISH UNLESS NOTED OTHERWISE. A UNIFORM COAT OF A HIGH SOLIDS CURING COMPOUND MEETING ASTM C309 SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES. ALL CONCRETE IS TO BE CURED FOR 7 DAYS. EXTERIOR CONCRETE SHALL BE SEPARATED FROM BUILDINGS WITH CONTINUOUS 0.5 INCH FIBER EXPANSION JOINT AND/OR 0.25 INCH FIBER EXPANSION JOINT AT DECORATIVE MASONRY UNITS.
I. ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60. THICKNESS OF CONCRETE COVER OVER REINFORCEMENT SHALL BE NOT LESS THAN 3" WHERE CONCRETE IS DEPOSITED AGAINST THE GROUND WITHOUT THE USE OF FORMS AND NOT LESS THAN 1.5" FOR UP TO #5 BARS AND 2" FOR #6 TO #10 BARS IN ALL OTHER LOCATIONS. ALL REINFORCING SHALL BE LAPPED 48 DIAMETERS FOR UP TO #6 BARS, 62 DIAMETERS FOR #7 TO #9 BARS, 68 DIAMETERS FOR #10 BARS OR AS NOTED ON THE DRAWINGS AND EXTENDED AROUND CORNERS WITH CORNER BARS. PLACING AND DETAILING OF STEEL REINFORCING AND REINFORCING SUPPORTS SHALL BE IN ACCORDANCE WITH CRSI AND ACI MANUAL AND STANDARD PRACTICES. THE REINFORCEMENT SHALL NOT BE PAINTED AND MUST BE FREE OF GREASE/OIL, DIRT, OR DEEP RUST WHEN PLACED IN THE WORK. ALL WELDED WIRE FABRIC SHALL MEET THE REQUIREMENTS OF ASTM A 1064. WELDED WIRE FABRIC SHALL BE PLACED 2" FROM TOP OF SLAB, UNLESS INDICATED OTHERWISE.
J. CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO SAMPLE MATERIALS, PERFORM TESTS, AND SUBMIT TEST REPORTS DURING CONCRETE PLACEMENT. TESTS WILL BE PERFORMED ACCORDING TO ACI 301. CAST AND LABORATORY CURE ONE SET OF FOUR STANDARD CYLINDERS FOR EACH COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIX EXCEEDING 5 CU. YD., BUT LESS THAN 25 CU. YD., PLUS ONE SET FOR EACH ADDITIONAL 50 CU. YD. OR FRACTION THEREOF. PERFORM COMPRESSIVE-STRENGTH TESTS ACCORDING TO ASTM C 39. TEST TWO SPECIMENS AT 7 DAYS AND TWO SPECIMENS AT 28 DAYS. PERFORM SLUMP TESTING ACCORDING TO ASTM C 143. PROVIDE ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIX. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
K. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. IN HOT, DRY, AND WINDY WEATHER, APPLY AN EVAPORATION-CONTROL COMPOUND ACCORDING TO MANUFACTURER'S INSTRUCTIONS AFTER SCREEDING AND BULL FLOATING, BUT BEFORE POWER FLOATING AND TROWELLING.
L. LIMIT MAXIMUM WATER-CEMENTITIOUS RATIO OF CONCRETE EXPOSED TO FREEZING, THAWING, AND DEICING SALTS TO 0.45.
M. TEST RESULTS WILL BE REPORTED IN WRITING TO THE DESIGN ENGINEER, READY-MIX PRODUCER, AND CONTRACTOR WITHIN 24 HOURS AFTER TESTS. REPORTS OF COMPRESSIVE STRENGTH TESTS SHALL CONTAIN THE PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING SERVICE, CONCRETE TYPE AND CLASS, LOCATION OF CONCRETE BATCH ON SITE, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIX PROPORTIONS AND MATERIALS, COMPRESSIVE BREAKING STRENGTH, AND TYPE OF BREAK FOR BOTH 7-DAY TESTS AND 28-DAY TESTS.

32 30 00 LANDSCAPING AND SITE STABILIZATION

A. TOPSOIL: CONTRACTOR TO PROVIDE A MINIMUM OF 6" OF TOPSOIL FOR ALL DISTURBED OPEN AREAS, OTHER THAN LANDSCAPE ISLANDS SHALL BE PROVIDED WITH A MINIMUM OF 10" OF TOPSOIL. REUSE SURFACE SOIL STOCKPILED ON SITE AND SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF SITE SOURCES WHEN QUANTITIES ARE INSUFFICIENT. EXCAVATOR SHALL BE RESPONSIBLE FOR ROUGH PLACEMENT OF TOPSOIL TO WITHIN 1" OF FINAL GRADE PRIOR TO LANDSCAPER FINAL GRADING. LANDSCAPER TO PROVIDE PULVERIZING AND FINAL GRADING OF TOPSOIL. PROVIDE SOIL ANALYSIS BY A QUALIFIED SOIL TESTING LABORATORY AS REQUIRED TO VERIFY THE SUITABILITY OF SOIL TO BE USED AS TOPSOIL AND TO DETERMINE THE NECESSARY SOIL AMENDMENTS. TEST SOIL FOR THE PRESENCE OF ATRAZINE AND INFORM EXCEL ENGINEERING, INC. IF PRESENT PRIOR TO BIDDING PROJECT. TOPSOIL SHALL HAVE A PH RANGE OF 5.5 TO 8, CONTAIN A MINIMUM OF 5 PERCENT ORGANIC MATERIAL CONTENT, AND SHALL BE FREE OF STONES 1 INCH OR LARGER IN DIAMETER. ALL MATERIALS HARMFUL TO PLANT GROWTH SHALL ALSO BE REMOVED.
   TOPSOIL INSTALLATION: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES AND REMOVE STONES LARGER THAN 1" IN DIAMETER. ALSO REMOVE ANY STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND DISPOSE OF THEM OFF THE PROPERTY. SPREAD TOPSOIL TO A DEPTH OF 6" BUT NOT LESS THAN WHAT IS REQUIRED TO MEET FINISHED GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD TOPSOIL IF SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET. GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN 0.05 FEET OF FINISHED GRADE ELEVATION.
B. SEEDED LAWNS:
   1. PERMANENT LAWN AREAS SHALL BE SEEDED WITH THE FOLLOWING MIXTURE: 65% KENTUCKY BLUEGRASS BLEND (2.0-2.6 LBS./1,000 S.F.), 20% PERENNIAL RYEGRASS (0.6-0.8 LBS./1,000 S.F.), 15% FINE FESCUE (0.4-0.6 LBS/1,000 S.F.). STRAW AND MULCH SHALL BE LAID AT 100LBS/1,000 S.F. FERTILIZE AS PER SOIL TEST OR APPLY 5-10-10 OR EQUIVALENT AT 5-6 LBS/1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. ALL SITE DISTURBED AREAS NOT DESIGNATED FOR OTHER LANDSCAPING AND SITE STABILIZATION METHODS SHALL BE SEEDED AS PERMANENT LAWN. NO BARE TOPSOIL SHALL BE LEFT ONSITE. FOLLOW PROCEDURES FOUND IN WDNR TECHNICAL STANDARDS 1058 & 1059.
   2. ALL PERMANENT AND TEMPORARY STORM WATER CONVEYANCE SWALE BOTTOMS AND SIDE SLOPES SHALL BE SEEDED WITH THE FOLLOWING MIXTURE: 45% KENTUCKY BLUEGRASS (0.60 LBS./1000 S.F.), 40% CREEPING RED FESCUE (0.50 LBS./1,000 S.F.), AND 15% PERENNIAL RYEGRASS (0.20 LBS./1,000 S.F.). FERTILIZE AS PER SOIL TEST OR APPLY 5-10-10 OR EQUIVALENT AT 5-6 LBS./1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. FOLLOW PROCEDURES FOUND IN WDNR TECHNICAL STANDARDS 1058 & 1059.
   3. ALL TEMPORARY SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE: 100% RYEGRASS AT 1.9 LBS./1,000 S.F. STRAW AND MULCH SHALL BE LAID AT 100 LBS./1,000 S.F. FERTILIZE AS PER SOIL TEST OR APPLY 5-10-10 OR EQUIVALENT AT 5-6 LBS./1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. FOLLOW PROCEDURES FOUND IN WDNR TECHNICAL STANDARDS 1058 & 1059.
C. SEEDED LAWN MAINTENANCE: CONTRACTOR TO PROVIDE MAINTENANCE OF ALL LANDSCAPING FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION. AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS SHOULD BE ESTABLISHED FREE OF WEEDS AND SURFACE IRREGULARITIES. LAWN COVERAGE SHOULD EXCEED 90% AND BARE SPOTS SHOULD NOT EXCEED 5"X5". CONTRACTOR SHOULD REESTABLISH LAWNS THAT DO NOT COMPLY WITH THESE REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL LAWNS ARE SATISFACTORY.
D. EROSION MATTING:
   1. CONTRACTOR TO PROVIDE EROSION CONTROL MATTING (NORTH AMERICAN GREEN S150) OR EQUIVALENT ON ALL SLOPES THAT ARE 4:1 AND GREATER OUTSIDE OF STORMWATER CONVEYANCE SWALES AND STORMWATER MANAGEMENT BASINS. LAWN SEED SHALL BE PLACED BELOW MATTING IN ACCORDANCE WITH SEEDING REQUIREMENTS AND MANUFACTURER SPECIFICATIONS.
   2. CONTRACTOR TO PROVIDE EROSION MATTING (NORTH AMERICAN GREEN C125) OR EQUIVALENT IN ALL SWALE BOTTOMS AND SIDE SLOPES AS REQUIRED. LAWN SEED SHALL BE PLACED BELOW MATTING IN ACCORDANCE WITH SEEDING REQUIREMENTS AND MANUFACTURER SPECIFICATIONS.
E. TREES AND SHRUBS: FURNISH NURSERY-GROWN TREES AND SHRUBS WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, AND HEALTHY LOOKING STOCK. STOCK SHOULD ALSO BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. SEE THE LANDSCAPE PLAN FOR SPECIFIC SPECIE TYPE, SIZE, AND LOCATION.
F. TREE AND SHRUB INSTALLATION: EXCAVATE CIRCULAR PITS WITH SIDES SLOPED INWARD. TRIM BASE LEAVING CENTER AREA RAISED SLIGHTLY TO SUPPORT ROOT BALL. EXCAVATE PIT APPROXIMATELY THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER. SET TREES AND SHRUBS PLUMB AND IN CENTER OF PIT WITH TOP OF BALL 1" ABOVE ADJACENT FINISHED GRADES. PLACE PLANTING SOIL MIX AROUND ROOT BALL IN LAYERS AND TAMP TO SETTLE MIX. WATER ALL PLANTS THOROUGHLY. PROVIDE TEMPORARY STAKING FOR TREES AS REQUIRED.
G. TREE AND SHRUB MAINTENANCE/WARRANTY: CONTRACTOR TO PROVIDE MAINTENANCE OF ALL LANDSCAPING FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION. MAINTENANCE TO INCLUDE REGULAR WATERING AS REQUIRED FOR SUCCESSFUL PLANT ESTABLISHMENT. CONTRACTOR TO PROVIDE 1 YEAR WARRANTY ON ALL TREES, SHRUBS, AND PERENNIALS.
H. MINERAL MULCH: PROVIDE 4" MINIMUM THICK BLANKET OF 1.5" MINIMUM TO 2.5" MAXIMUM CRUSHED DECORATIVE STONE AT ALL PLANTING AREAS INDICATED ON THE LANDSCAPE PLAN. INSTALL OVER NON-WOVEN WEED BARRIER FABRIC. COLOR BY OWNER.
I. PLASTIC EDGING: INSTALL VALLEY VIEW INDUSTRIES BLACK DIAMOND LAWN EDGING TO SEPARATE ALL PLANTING BEDS FROM LAWN AREAS. EDGING TO BE 5.5" TALL WITH METAL STAKES INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
J. LANDSCAPE AND LAWN IRRIGATION: CONTRACTOR TO PROVIDE DESIGN AND INSTALLATION OF IRRIGATION SYSTEM PIPING, VALVES, VALVE BOXES, SPRINKLERS, EMITTERS, DRIP TUBES, AND CONTROLS IN COMBINATIONS THAT BEST SUIT THE LANDSCAPE PLAN LAYOUT. ALL LAWN AND LANDSCAPING AREAS SHALL BE PROVIDED WITH IRRIGATION AS DELINEATED ON THE PLAN. THE DESIGN SHOULD MINIMIZE THE AMOUNT OF WATER THAT EXTENDS BEYOND THE PROPERTY AND ON PAVED AREAS. THE SYSTEM SHALL BE DESIGNED FOR FULLY AUTOMATIC OPERATION AND PROVIDE ALL NECESSARY CONTROLS, VALVES, AND WIRING TO OPERATE THE SYSTEM. THE CONTROL UNIT SHALL BE INSTALLED IN A MECHANICAL ROOM OR AT A LOCATION AGREED TO WITH THE OWNER. THE CONTROL UNIT SHOULD BE PROVIDED WITH A LOCKING COVER.
   POP-UP SPRAY OR ROTARY SPRINKLERS SHALL BE USED AT LAWN AREAS TO PROVIDE A UNIFORM COVERAGE OF 1 TO 2 INCHES OF WATER PER HOUR. EMITTERS AND DRIP TUBES OR SHRUBBERY SPRINKLERS SHALL BE USED AT PLANTS AND SHRUBS AS APPROPRIATE FOR THE PLANTING DENSITY AND SPECIES TYPE. ALL SPRINKLER HEADS SHALL BE COMMERCIAL GRADE. THE SYSTEM SHALL BE CIRCUITED AS REQUIRED TO PROVIDE ADEQUATE WATER FLOW TO EACH SPRINKLER HEAD. THE CONTROL SYSTEM MUST INCLUDE A RAIN SENSING SHUT OFF DEVICE. THE ENTIRE SYSTEM IS TO BE INSTALLED WITH A MINIMUM UNIFORM SLOPE OF 0.5 PERCENT TOWARD DRAIN VALVES.

DIVISION 33 UTILITIES

33 10 00 SITE UTILITIES

A. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES ON SITE. CONTRACTOR TO VERIFY PIPE LOCATIONS, SIZES, AND DEPTHS AT POINT OF PROPOSED CONNECTIONS AND VERIFY PROPOSED UTILITY ROUTES ARE CLEAR (PER CODE) OF ALL EXISTING UTILITIES AND OTHER OBSTRUCTIONS PRIOR TO CONSTRUCTION. COSTS INCURRED FOR FAILURE TO DO SO SHALL BE THE CONTRACTORS RESPONSIBILITY.
B. CONTRACTOR TO FIELD TELEVISE ALL EXISTING SANITARY AND STORM LATERALS THAT ARE SCHEDULED TO BE RE-USED AND/OR CONNECTED TO ON SITE. THE TELEVISING SHALL BE COMPLETED TO ENSURE THE EXISTING LATERAL(S) ARE FREE OF OBSTRUCTIONS AND IN SOUND STRUCTURAL CONDITION. TELEVISING OF THESE LATERAL(S) SHOULD BE COMPLETED AT BEGINNING OF CONSTRUCTION AND DESIGN ENGINEER SHALL BE NOTIFIED OF ANY PIPE OBSTRUCTIONS AND/OR STRUCTURAL DEFICIENCIES IMMEDIATELY AFTER COMPLETION OF FIELD TELEVISING.
C. ALL SANITARY PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE. INSULATION SHALL BE PROVIDED PER STATE PLUMBING CODES AS NECESSARY BASED ON PROPOSED DEPTH PER PLANS.
D. CLEANOUTS SHALL BE PROVIDED FOR THE SANITARY & STORM SERVICES AT LOCATIONS INDICATED ON THE UTILITY PLAN. THE CLEANOUT SHALL CONSIST OF A COMBINATION WYE FITTING IN LINE WITH THE SANITARY/STORM SERVICE WITH THE CLEANOUT LEG OF THE COMBINATION WYE FACING STRAIGHT UP. THE CLEANOUT SHALL CONSIST OF A 4" OR 6" VERTICAL PVC PIPE WITH A WATERTIGHT REMOVABLE CLEANOUT PLUG. THE PVC CLEANOUT SHALL BE 4" IF THE SANITARY LINE IS 5" IN DIAMETER OR SMALLER AND 6" IF THE SANITARY LINE IS 6" IN DIAMETER OR BIGGER. AN 8" PVC FROST SLEEVE SHALL BE PROVIDED. THE BOTTOM OF THE FROST SLEEVE SHALL TERMINATE 12" ABOVE THE TOP OF THE SANITARY LATERAL OR AT LEAST 6" BELOW THE PREDICTED FROST DEPTH, WHICHEVER IS SHALLOWER. THE CLEANOUT SHALL EXTEND JUST ABOVE THE SURFACE GRADE IN LAWN OR LANDSCAPE AREAS WITH THE FROST SLEEVE TERMINATING AT THE GRADE SURFACE. THE CLEANOUT SHALL EXTEND TO 4 INCHES BELOW SURFACE GRADE IN PAVED SURFACES WITH A ZURN (Z-1474-N) HEAVY DUTY CLEANOUT HOUSING PLACED OVER THE TOP OF THE CLEANOUT FLUSH WITH THE SURFACE GRADE. IN PAVED SURFACES, THE FROST SLEEVE SHALL TERMINATE IN A CONCRETE PAD AT LEAST 6" THICK AND EXTENDING AT LEAST 9" FROM THE SLEEVE ON ALL SIDES, SLOPING AWAY FROM THE SLEEVE. THE CLEANOUT HOUSING SHALL BE CONSTRUCTED PER MANUFACTURERS' REQUIREMENTS.
E. ALL PROPOSED WATER PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE. 6.5' MINIMUM COVER SHALL BE PROVIDED OVER ALL WATER PIPING UNLESS OTHERWISE SPECIFIED.
F. ALL PROPOSED STORM PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE. SEE UTILITY PLANS FOR ALL STORM PIPE MATERIAL TYPES TO BE USED. PIPE SHALL BE PLACED MIN. 8' HORIZONTALLY FROM FOUNDATION WALLS.
G. SANITARY, STORM, AND WATER UTILITY PIPE INVERTS SHALL BE CONSTRUCTED WITHIN 0.10' OF DESIGN INVERT ELEVATIONS ASSUMING PIPE SLOPE AND SEPARATION IS MAINTAINED PER THE UTILITY DESIGN PLANS AND STATE REQUIREMENTS.
H. SITE UTILITY CONTRACTOR SHALL RUN SANITARY SERVICE TO A POINT WHICH IS A MAXIMUM OF 5' FROM THE EXTERIOR WALL OF THE FOUNDATION. SITE UTILITY CONTRACTOR SHALL RUN STORM SEWER FOR INTERNALLY DRAINED BUILDINGS TO A POINT WHICH IS A MAXIMUM OF 5' FROM THE EXTERIOR WALL OF THE FOUNDATION. SITE UTILITY CONTRACTOR SHALL RUN DOWNSPOUT LEADS TO BUILDING FOUNDATION AND UP 6" ABOVE SURFACE GRADE FOR CONNECTION TO DOWNSPOUT FOR ALL DOWNSPOUT TO RISER (DSR) CONNECTIONS. DOWNSPOUTS TO GRADE (DSG) SHALL BE PROVIDED WITH SPLASH BLOCKS AT THE DISCHARGE LOCATION. ALL DOWNSPOUT LOCATIONS SHOULD BE VERIFIED WITH ARCHITECTURAL PLANS AND DOWNSPOUT CONTRACTOR/GC PRIOR TO INSTALLATION OF DOWNSPOUT LEADS. DOWNSPOUT LEADS SHALL NOT UNDERMINE BUILDING FOUNDATIONS. SITE UTILITY CONTRACTOR SHALL RUN WATER SERVICE TO A POINT WITHIN THE FOUNDATION SPECIFIED BY THE PLUMBING PLANS. CONTRACTOR TO CUT AND CAP WATER SERVICE 12" ABOVE FINISHED FLOOR ELEVATION.
I. ALL UTILITIES SHALL BE INSTALLED WITH PLASTIC COATED TRACER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE). PLASTIC WIRE MAY BE TAPED TO PLASTIC WATER OR SEWER PIPE. IF ATTACHED, THE TRACER WIRE SHALL BE SECURED EVERY 6 TO 20 FEET AND AT ALL BENDS. TRACER WIRE SHALL HAVE ACCESS POINTS AT LEAST EVERY 300 FEET. TRACER WIRE SHALL TERMINATE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AT GRADE OR IN TERMINATION BOX PER LOCAL/STATE REQUIREMENTS.
J. ALL UTILITIES SHALL BE INSTALLED PER STATE, LOCAL, AND INDUSTRY STANDARDS. WATER, SANITARY, AND STORM SEWER SHALL BE INSTALLED PER "STANDARD SPECIFICATION FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN". THE EXCEL ENGINEERING DESIGN ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING STATE PLUMBING REVIEW APPROVAL (IF REQUIRED). THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER PERMITS REQUIRED TO INSTALL WATER, SANITARY, AND STORM SEWER.
K. SEE PLANS FOR ALL OTHER UTILITY SPECIFICATIONS AND DETAILS.

Table A: Allowable Pipe Material Schedule

Utility	Material	Pipe Code	Fitting Code	Joint Code
Water Lateral	C901/906 PE	AWWA C901/C906	ASTM D2609, ASTM D2683, ASTM D3261	Heat fusion: ASTM D2657
Sanitary Sewer	SDR 35 PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Gasket: ASTM F477
Sanitary Sewer	SCH.40 PVC	ASTM D1785, ASTM D2665, ASTM F891	ASTM F1336	Primer: ASTM F656 Solvent Cement: ASTM D2564
Storm Sewer	HDPE	ASTM F2648, ASTM F2306, AASHTO M252, TYPE S (4 IN - 10 IN), AASHTO M294, TYPE S (12 IN - 60 IN)	ASTM F2648, ASTM F2306, AASHTO M252, or AASHTO M294	Joint: ASTM F2648, ASTM F2306, AASHTO M252, or AASHTO M294 Elastomeric Seal: ASTM F477
Storm Sewer	SDR 35 PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Seal: ASTM F477
Pavement Underdrain	Single Wall Perforated HDPE-Socked	ASTM F667	ASTM F667	ASTM D1056 Grade 2A2 Gasketed

1) See Table DSPS 384.30-7 for Water Services and Private Water Mains
2) See Table DSPS 384.30-2 for Underground Drain and Vent Pipe and Tubing
3) See Table DSPS 384.30-10 for Pipe Fittings
4) See Section SPS 384.40 for Joints and Connections

SHOP DRAWING SUBMITTALS

MATERIAL / INFORMATION

1. 31.10.00 - TELEVISING REPORTS OF EXISTING LATERALS
   - SANITARY
2. 31.20.00 - FILL
   - PRODUCT DATA
   - SOURCE MATERIAL
3. 32.10.00 (A) - AGGREGATE BASE & ASPHALT PAVEMENT
   - HOT MIX ASPHALT SPECIFICATIONS
   - AGGREGATE BASE
   - PAVEMENT MARKINGS
4. 32.20.00-CONCRETE AND AGGREGATE BASE
   - DESIGN MIX
   - AGGREGATE BASE
   - COMPRESSION TEST RESULTS
   - DETECTABLE WARNING PLATES
5. 32.30.00 LANDSCAPING
   - AMENDED SOIL MIX
   - SEEDING PRODUCT DATA
   - PLANTING SUBSTITUTION SCHEDULE
   - MULCH PRODUCT DATA
   - EROSION MATTING
   - IRRIGATION CONTROL PRODUCT DATA
   - IRRIGATION LAYOUT
6. 33.10.00 - SITE UTILITIES
   - STORM MANHOLES
   - SANITARY PIPING MATERIALS
   - GREASE INTERCEPTOR SHOP DRAWINGS
   - WATER PIPING MATERIALS
   - WATER FITTINGS & APPURTENANCES
   - STORM PIPING MATERIALS
7. MISCELLANEOUS ITEMS
   - SITE LIGHTING
   - EXTERIOR SIGNAGE
   - BOLLARDS

CIVIL SPECIFICATIONS

EXCEL
Always a Better Plan
100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

NEW BUILDING FOR:
PACIFIC BELLS LLC
1800 CROOKS AVENUE • KAUKAUNA, WI 54130

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE	DEC. 6, 2024
REVISIONS	
AD4	MAR. 4, 2025
CB1	MAY 7, 2025

JOB NUMBER
240296000

SHEET NUMBER
C0.2

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 55087C0344D, WHICH BEARS AN EFFECTIVE DATE OF 7/21/2010 AND IS NOT IN A SPECIAL FLOOD HAZARD AREA

BENCHMARKS BY BLEW & ASSOCIATES:

TBM #1
SET MAG-NAIL
NORTHING: 162017.97
EASTING: 2420921.08
ELEVATION: 714.85'

TBM #2
SET MAG-NAIL
NORTHING: 161816.80
EASTING: 2420774.15
ELEVATION: 717.81'

BENCHMARK BY HEBERT ASSOCIATES:

BURY BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF CROOKS AVENUE AND EAST 18TH STREET
ELEV.=717.68

SURVEY NOTE:

EXISTING CONDITIONS SURVEY WAS COMPLETED BY BLEW & ASSOCIATES, P.A. ON SEPTEMBER 30, 2024. CONTACT BLEW & ASSOCIATES, P.A. AT (479) 443-4506 WITH ANY QUESTIONS REGARDING SURVEY OR EXISTING CONDITIONS INFORMATION.

LEGEND:

- REMOVE PAVEMENT & BASE
- MILL EXISTING ASPHALT SURFACE, PROTECT BASE
- REMOVE FEATURES

GENERAL NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING UTILITIES AND PROVIDE INFORMATION TO DESIGN ENGINEER PRIOR TO CONSTRUCTION. DOWNSTREAM UTILITY CONNECTIONS **MUST** BE VERIFIED PRIOR TO CONSTRUCTION AND PROVIDED TO ENGINEER.

GENERAL NOTE:

OBTAIN APPROVAL FROM NEIGHBORING PROPERTY OWNER TO THE SOUTH FOR WORK ON THEIR PROPERTY PRIOR TO CONSTRUCTION.

KEYNOTES

A	REMOVE BOLLARD
B	FIELD VERIFY EXISTING STORM PIPE IS NOT IN USE. ABANDON IN PLACE. INFORM ENGINEER OF ANY DISCREPANCIES.
D	MILL EXISTING ASPHALT SURFACE AND PROTECT BASE
E	SAWCUT (AS NECESSARY) AND REMOVE CONCRETE AND BASE
F	REMOVE GLASS TOWER
G	REMOVE CURB. SAWCUT (AS NECESSARY)
H	REMOVE FLAG POLE
I	PROTECT EXISTING CURB
J	REMOVE STORM PIPING TO EXTENTS
K	REMOVE LIGHT POLE
L	REMOVE AND REPLACE PARKING STALL PAVEMENT MARKINGS (TYP) (SEE LAYOUT ON SHEET C1.1)
M	RECYCLE GRAVEL AS NEEDED
N	REMOVE STORM STRUCTURE
O	REMOVE POLE SIGN
P	DEMOLISH BUILDING. CAP EXISTING UTILITIES. FOLLOW LOCAL AND STATE REQUIREMENTS FOR REMOVAL OF POSSIBLE ASBESTOS MATERIALS.
Q	REMOVE ELECTRICAL EQUIPMENT. COORDINATE WITH UTILITY COMPANY.
R	FIELD VERIFY AND TELEVISE EXISTING SANITARY LINE. INFORM ENGINEER OF ANY DISCREPANCIES.
S	REMOVE TREE IF NECESSARY.
T	PROTECT STORM STRUCTURE
U	REMOVE SANITARY LINE TO EXTENTS
V	CAP AND ABANDON EXISTING GAS SERVICE PER UTILITY COMPANY STANDARDS. COORDINATE WITH UTILITY COMPANY.

LEGEND & SYMBOLS

- FOUND MONUMENT AS NOTED
- SET MONUMENT AS NOTED
- COMPUTED POINT
- HANDICAP PARKING
- FIRE HYDRANT
- LIGHT
- SANITARY MANHOLE (SMH)
- BOLLARD
- POWER POLE
- ELECTRIC METER
- ELECTRIC BOX
- ELECTRIC MANHOLE
- MONITORING WELL
- WATER VALVE
- CIRCLE INLET (CI)
- GRATED INLET (GI)
- STORM MANHOLE (DMH)
- TELEPHONE PEDESTAL
- CLEANOUT
- GAS METER
- SIGN
- FLAG POLE
- GAS METER
- TRAFFIC POLE
- BACK OF CURB
- FLOW LINE
- TOP OF CONCRETE
- EDGE OF CONCRETE
- TOP OF ASPHALT
- EDGE OF ASPHALT
- NATURAL GROUND
- POLYVINYL CHLORIDE PIPE
- CORRUGATED METAL PIPE
- REINFORCED CONCRETE PIPE
- MEASURED/CALCULATED DIMENSION
- RECORD DIMENSION
- NOW OR FORMERLY
- BUILDING HEIGHT LOCATION
- POINT OF BEGINNING
- BOUNDARY LINE
- ADJOINER/TIE LINE
- EASEMENT LINE
- RIGHT-OF-WAY LINE
- CENTERLINE
- FENCE LINE
- OVERHEAD POWER LINE
- UNDERGROUND SANITARY SEWER LINE
- UNDERGROUND STORM DRAIN LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND GAS LINE
- UNDERGROUND WATER LINE
- MAJOR CONTOUR
- MINOR CONTOUR

INVERT TABLE

DMH#1 RIM ELEVATION: 716.61' 30" CMP INVERT N: 706.6' 30" CMP INVERT E: 706.6' 24" CMP INVERT S: 708.8'	SMH#1 RIM ELEVATION: 714.44' 8" PVC INVERT N: 705.9' 8" PVC INVERT E: 705.9' 8" PVC INVERT S: 705.9'	GI#6 RIM ELEVATION: 716.17' 12" CMP INVERT W: 711.6'	GI#12 RIM ELEVATION: 717.33' 12" CMP INVERT W: 712.6'
		GI#7 RIM ELEVATION: 716.17' 10" PVC INVERT W: 711.9' 12" CMP INVERT E: 711.8'	GI#13 RIM ELEVATION: 717.26' 4" PVC INVERT W: 713.2' 4" PVC INVERT E: 713.1' 4" PVC INVERT S: 715.2' 12" CMP INVERT N: 712.4'
DMH#2 RIM ELEVATION: 715.03' 30" CMP INVERT N: 705.4' 30" CMP INVERT E: 705.4' 12" CMP INVERT S: 709.2' 12" CMP INVERT N: 709.2'	SMH#2 RIM ELEVATION: 716.83' 8" PVC INVERT W: 708.4' 8" PVC INVERT E: 708.5'	GI#8 RIM ELEVATION: 716.32' 12" RCP INVERT W: 712.1' 10" PVC INVERT E: 712.0'	
		GI#1 RIM ELEVATION: 718.67' 12" RCP INVERT W: 715.5'	
DMH#3 RIM ELEVATION: 714.78' 12" CMP INVERT N: 709.8' 12" CMP INVERT E: 709.6' 24" CMP INVERT S: 707.8' 24" CMP INVERT N: 707.8'		GI#9 RIM ELEVATION: 716.51' 12" RCP INVERT W: 712.2' 12" RCP INVERT E: 712.2' 12" RCP INVERT N: 712.2'	
DMH#4 RIM ELEVATION: 717.50' 12" CMP INVERT W: 711.3' 12" CMP INVERT E: 711.5' 24" CMP INVERT S: 709.7' 24" CMP INVERT N: 709.7'	GI#2 RIM ELEVATION: 716.83' 12" PVC INVERT N: 712.8'	GI#3 RIM ELEVATION: 716.19' 12" PVC INVERT S: 712.2' 18" RCP INVERT N: 712.1'	GI#10 RIM ELEVATION: 716.03' 12" RCP INVERT E: 712.8'
	GI#4 RIM ELEVATION: 714.29' 30" RCP INVERT W: 707.8' 30" CMP INVERT E: 707.2' 18" RCP INVERT S: 708.0'		GI#11 RIM ELEVATION: 717.20' 12" CMP INVERT E: 712.3' 12" PVC INVERT N: 712.8' 4" PVC INVERT N: 712.8' 10" PVC INVERT S: 714.2' 4" PVC INVERT S: 712.9' 10" PVC INVERT W: 714.2'
DMH#5 RIM ELEVATION: 717.37' 12" CMP INVERT W: 711.8' 12" CMP INVERT E: 711.9' 12" CMP INVERT S: 712.3' 12" CMP INVERT N: 712.0'	GI#5 RIM ELEVATION: 716.43' 12" CMP INVERT N: 711.7'		

LINE TABLE

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	N 89°33'09" E	50.01'	L1	S 89°16'20" E	50.00'
L2	N 00°31'01" W	50.00'	L2	N 00°39'30" E	50.00'
L3	N 89°33'09" E	100.00'	L3	S 89°16'20" E	100.00'
L4	N 00°31'01" W	50.00'	L4	N 00°39'30" E	50.00'
L5	N 89°29'33" E	48.74'	L5	S 89°16'20" E	48.75'
L6	N 89°29'33" E	5.01'	L6	--	--
L7	S 89°36'55" W	60.00'	L7	--	--
L8	S 89°29'33" W	55.29'	L8	--	--
L9	S 89°36'21" W	8.39'	L9	--	--
L10	S 89°33'09" W	26.43'	L10	--	--
L11	N 89°24'02" E	35.09'	L11	--	--

SCALE: 1"= 20'
20' 0 20' 40'
NORTH

CIVIL EXISTING SITE AND DEMOLITION PLAN

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PROJECT INFORMATION

NEW BUILDING FOR:
PACIFIC BELLS LLC
1800 CROOKS AVENUE • KAUKAUNA, WI 54130

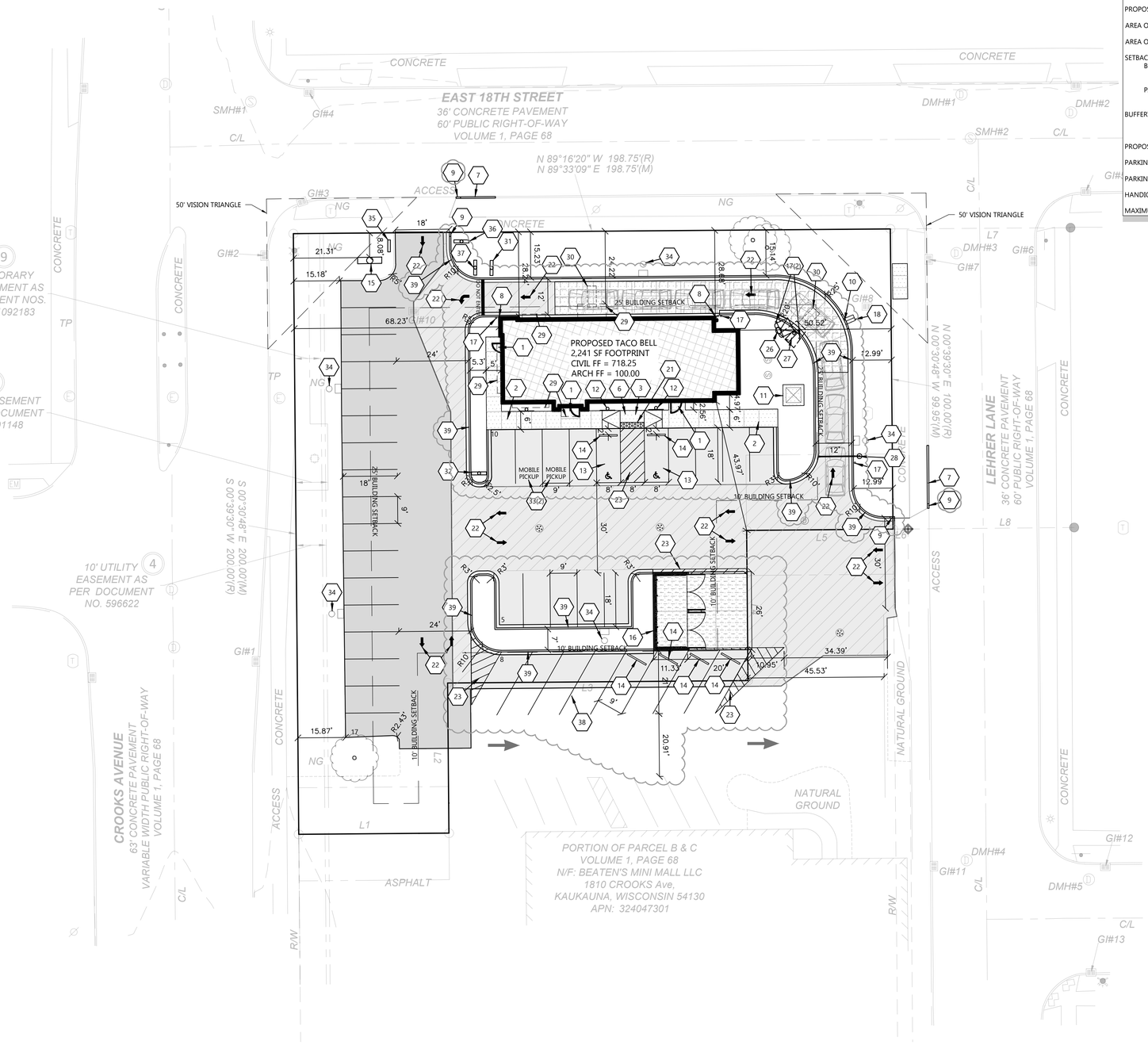
PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE	DEC. 6, 2024
REVISIONS	
AD1	JAN. 9, 2025
CB1	MAY 7, 2025

JOB NUMBER
240296000

SHEET NUMBER
C1.0



SITE INFORMATION:

A PARCEL OF LAND BEING PART OF PARCEL "A" AND "B", OUTAGAMIE COUNTY CERTIFIED SURVEY MAP NO. 68, RECORDED IN VOLUME 1 OF CERTIFIED SURVEY MAPS, PAGE 68, OUTAGAMIE COUNTY RECORDS, ORIGINALLY BEING A PART OF SUB-LOT "A" OF GOVERNMENT LOT FIVE (5)

APN: 324047300

PROPERTY AREA: 29,875 S.F. (0.686 ACRES)

EXISTING ZONING: CHD (COMMERCIAL HIGHWAY DISTRICT)

PROPOSED ZONING: CHD (COMMERCIAL HIGHWAY DISTRICT)

PROPOSED USE: QUICK SERVE RESTAURANT W/ DRIVE-THRU

AREA OF SITE DISTURBANCE: 22,701 (0.52 ACRES)

AREA OF IMPERVIOUS SURFACE DISTURBANCE AND CREATION: 19,221 S.F. (0.44 ACRES)

SETBACKS:
BUILDING: FRONT (WEST, NORTH, EAST) = 25'
SIDE (SOUTH) = 10'
PAVEMENT: FRONT (WEST, NORTH, EAST) = 0'
SIDE (SOUTH) = 0'

BUFFERYARDS:
FRONT (WEST, NORTH, EAST) = 0'
SIDE (SOUTH) = 0'

PROPOSED BUILDING HEIGHT: 23' (MAX. HEIGHT ALLOWED: 56' OR FOUR STORIES)

PARKING REQUIRED: SUFFICIENT SUCH THAT NO PUBLIC STREET SHALL BE USED

PARKING PROVIDED: 32 SPACES (2 H.C. ACCESSIBLE)

HANDICAP STALLS REQUIRED: 2, HANDICAP STALLS PROVIDED: 2

MAXIMUM LOT COVERAGE - BUILDING ONLY: 35%

LEGEND:

HATCH	PAVEMENT SECTION	HATCH	PAVEMENT SECTION
	STANDARD ASPHALT		HEAVY DUTY CONCRETE
	HEAVY DUTY ASPHALT		DUMPSTER PAD / APRON CONCRETE
	SIDEWALK CONCRETE		MILL & OVERLAY EXISTING ASPHALT

KEYNOTES

1	CONCRETE STOOP (SEE STRUCTURAL PLANS FOR DETAILS)
2	RAISED WALK (SEE DETAIL)
3	FLUSH WALK (SEE DETAIL)
6	ADA CURB RAMP (SEE DETAIL)
7	6" VERTICAL CURB (SEE DETAIL)
8	DRIVE-THRU BUILDING VERTICAL CURB (SEE DETAIL)
9	CURB TAPER (SEE DETAIL)
10	CURB CUT (SEE DETAIL)
11	CONCRETE TRANSFORMER PAD BY UTILITY SUPPLIER (CONTRACTOR TO VERIFY FINAL LOCATION & DESIGN PRIOR TO CONSTRUCTION)
12	HANDICAP SIGN PER STATE CODE (SEE DETAIL)
13	HANDICAP STALL & STRIPING PER STATE CODES
14	PRECAST CONCRETE WHEEL STOP (TYP.)
15	PYLON SIGN (DETAILS, FINAL LOCATION, & APPROVAL BY SIGN VENDOR)
16	DUMPSTER ENCLOSURE (SEE ARCH PLANS FOR DETAILS)
17	6" CONCRETE BOLLARDS (TYP.) (SEE DETAIL)
18	CONCRETE FLUME (TYP)
21	DETECTABLE WARNING PLATE PER STATE CODE
22	TRAFFIC FLOW ARROWS (TYP). COLOR TO MATCH PARKING STALL STRIPING
23	PAINT STRIPING (TYP). COLOR TO MATCH PARKING STALL STRIPING
26	MENU BOARD
27	SPEAKER POST, CANOPY, AND BOLLARD
28	CLEARANCE BAR AND BOLLARD WITH DRIVE-THRU SIGN
29	BUILDING CANOPY (TYP.) (SEE ARCH PLANS)
30	DRIVE-THRU LOOP (TYP.)
31	DO NOT ENTER/THANK YOU SIGN
32	DIRECTIONAL SIGNAGE FOR DRIVE-THRU
33	MOBILE PICKUP PARKING STALL WITH ASSOCIATED SIGNAGE AND PAINT STRIPING (TYP.) SIGN BY SIGN VENDOR
34	LIGHT POLE (SEE SHEET C2.2, C3.1, AND ELEC. PLANS FOR DETAILS)
35	ENTRANCE SIGN
36	NO EXIT SIGN
37	STOP SIGN WITH NO RIGHT TURN
38	REVISED EXISTING PARKING (TYP.)
39	18" CONCRETE CURB AND GUTTER (SEE DETAIL)

EXISTING SITE DATA

	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.14	6,021	20.2%
PAVEMENT (ASP. & CONC.)	0.40	17,508	58.6%
TOTAL IMPERVIOUS	0.54	23,529	78.8%
LANDSCAPE/ OPEN SPACE	0.15	6,346	21.2%
PROJECT SITE	0.69	29,875	100.0%

PROPOSED SITE DATA

	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.05	2,241	7.5%
PAVEMENT (ASP. & CONC.)	0.43	18,850	63.1%
TOTAL IMPERVIOUS	0.48	21,091	70.6%
LANDSCAPE/ OPEN SPACE	0.20	8,784	29.4%
PROJECT SITE	0.69	29,875	100.0%

SCALE: 1"= 20'
20' 0 20' 40'
NORTH

CIVIL SITE PLAN

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PROJECT INFORMATION

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SHEET DATES

SHEET ISSUE DEC. 6, 2024

REVISIONS

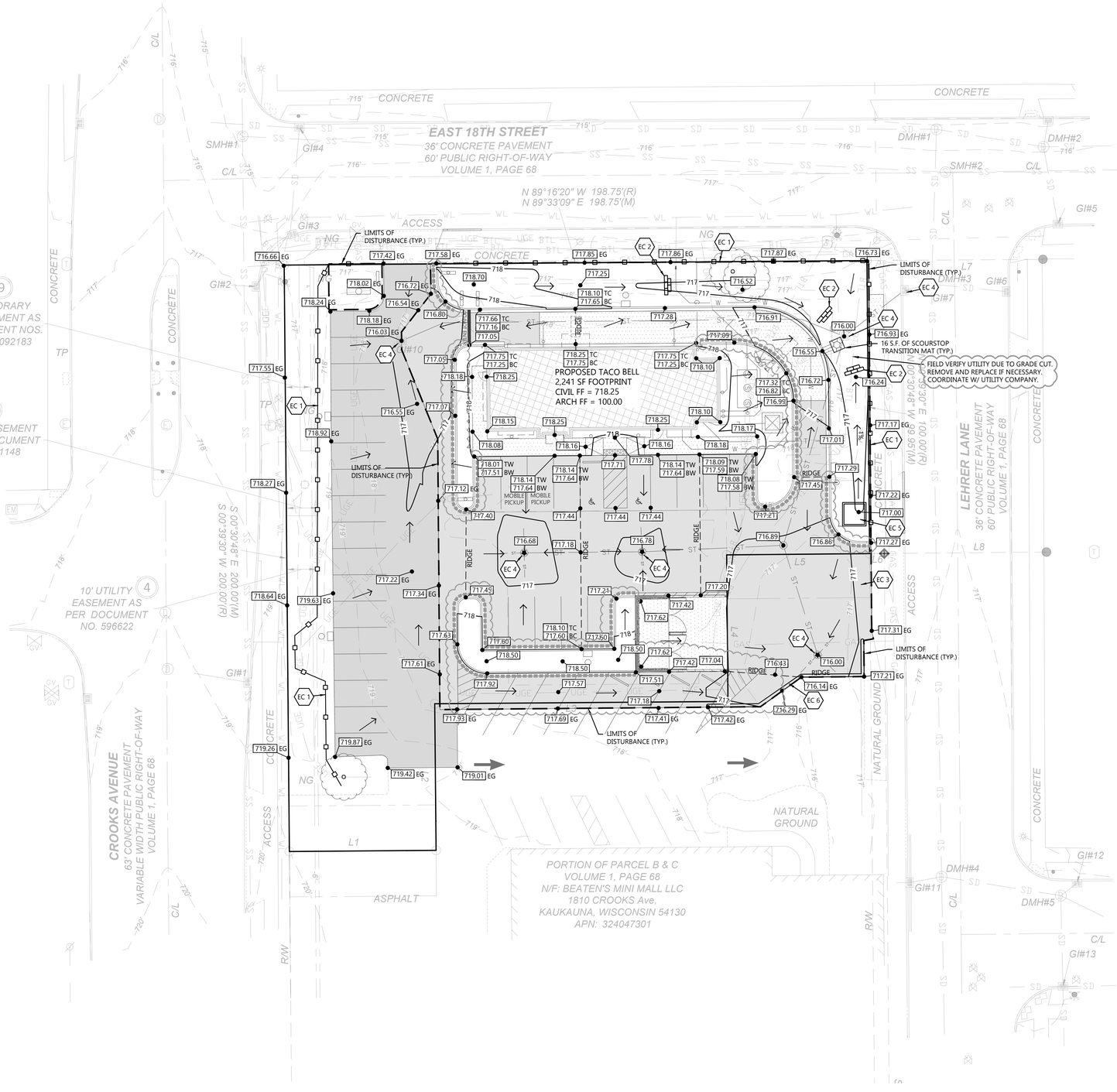
AD1	JAN. 9, 2025
AD2	JAN. 27, 2025
CB1	MAY 7, 2025

JOB NUMBER

240296000

SHEET NUMBER

C1.1



CURB & GUTTER MARKING KEY:

- INVERTED CURB & GUTTER
- SHEDDING CURB & GUTTER

GENERAL NOTES:

- HANDICAP STALL AND ACCESS AISLES SHALL NOT EXCEED A SLOPE OF 1.50% IN ANY DIRECTION. HANDICAP STALL & ACCESS AISLES SHALL CONFORM TO ADA REQUIREMENTS (CURRENT EDITION)
- ALL SIDEWALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 1.50% AND RUNNING SLOPE OF 4.50% UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION ENTRANCE AT CONSTRUCTION ENTRANCE FOR PROPOSED IMPROVEMENTS AS REQUIRED PER CODE.
- CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.
- CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION FOR ALL CURB INLETS & CATCH BASINS ONSITE & OFFSITE IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.
- CONTRACTOR SHALL NOTIFY THE DIRECTOR OF PUBLIC WORKS WITHIN 48 HOURS OF COMMENCING ANY LAND DISTURBING CONSTRUCTION ACTIVITY.

KEYNOTES

EC 1	SILT FENCE
EC 2	DITCH CHECK
EC 3	STABILIZED CONSTRUCTION ENTRANCE
EC 4	INLET PROTECTION
EC 5	CONCRETE WASHOUT
EC 6	SEDIMENT LOG

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PROJECT INFORMATION

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PACIFIC BELLS LLC

1800 CROOKS AVENUE • KAUKAUNA, WI 54130

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CB1	MAY 7, 2025

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240296000

SHEET NUMBER

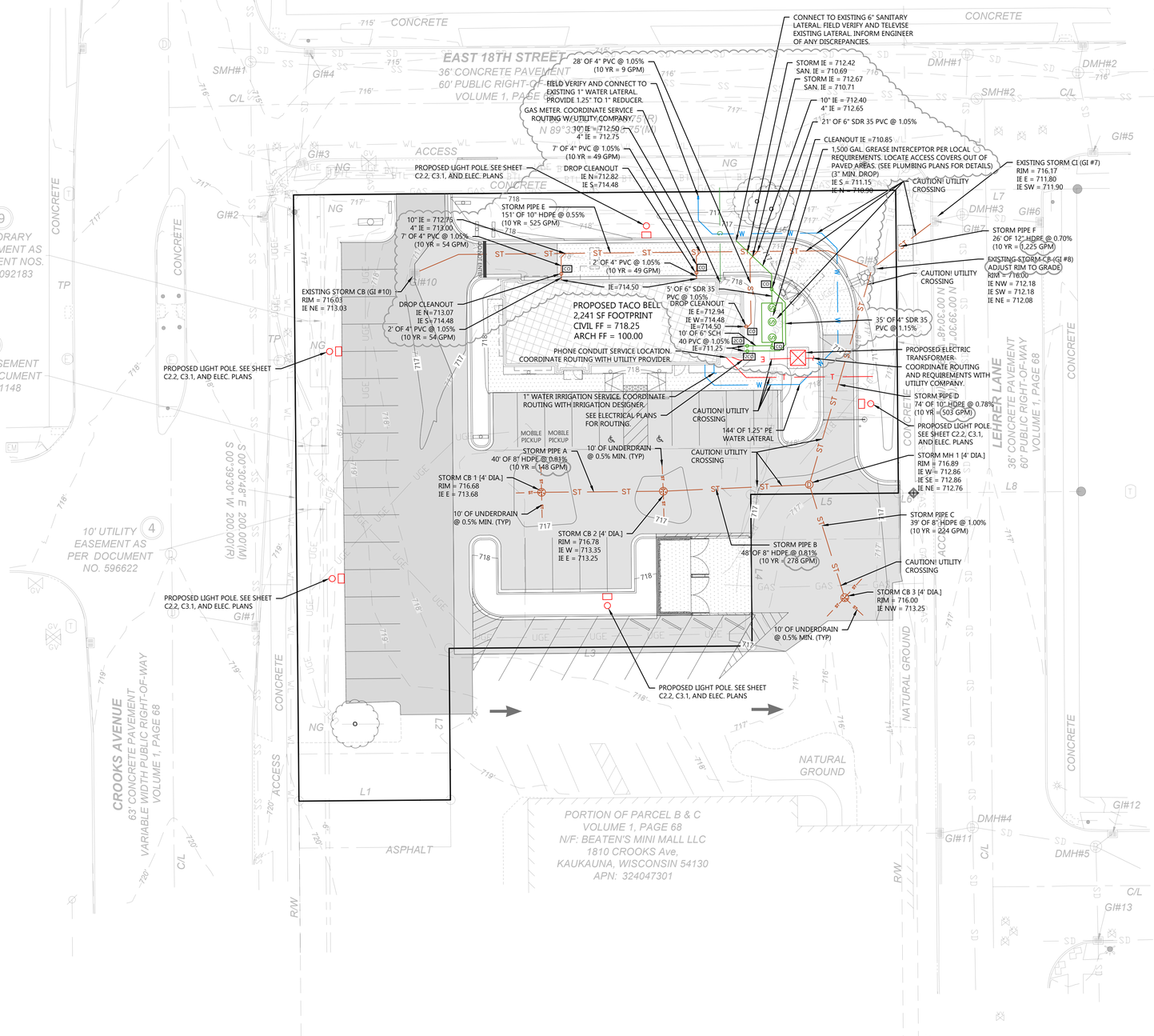
C1.2

SCALE: 1" = 20'
20' 0 20' 40'
NORTH

CIVIL GRADING AND EROSION CONTROL PLAN

GENERAL NOTES:

- CONTRACTOR TO FIELD VERIFY EXISTING UTILITIES AND PROVIDE INFORMATION TO DESIGN ENGINEER PRIOR TO CONSTRUCTION. DOWNSTREAM UTILITY CONNECTIONS **MUST** BE VERIFIED PRIOR TO CONSTRUCTION AND PROVIDED TO ENGINEER.
- FOLLOW GEOTECH RECOMMENDATIONS FOR UNDERDRAINS AT INLET LOCATIONS.



UTILITY CONTACTS

GAS:
WE ENERGIES
KATHY MEYER
800-714-7777 (OFFICE)
262-305-4772 (CELL)
kathy.meyer@we-energies.com

ELECTRIC & WATER:
KAUKAUNA UTILITIES
920-766-5721
kumail@ku-wi.org

SCALE: 1"= 20'
20' 0 20' 40'
NORTH

CIVIL UTILITY PLAN

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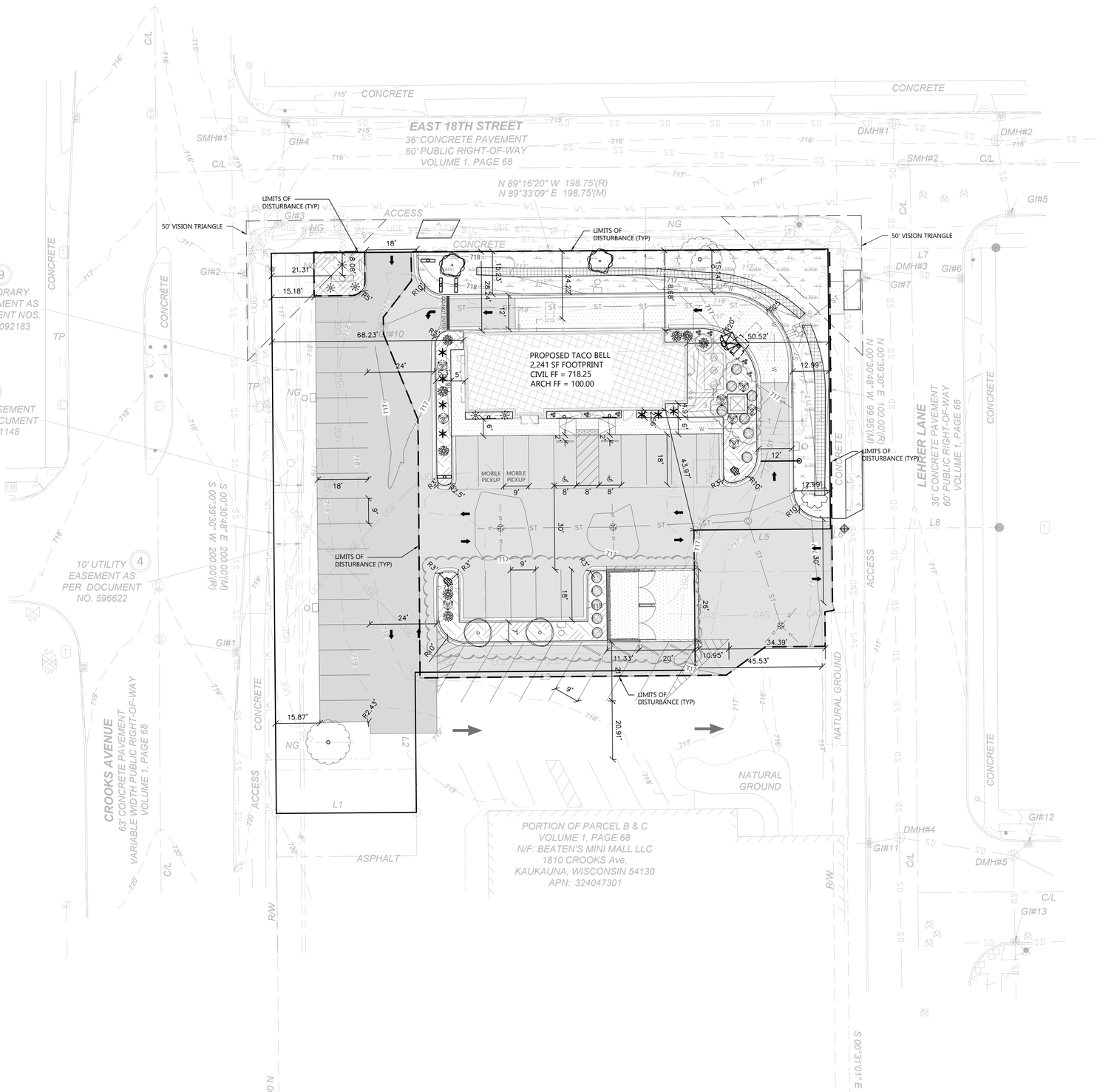
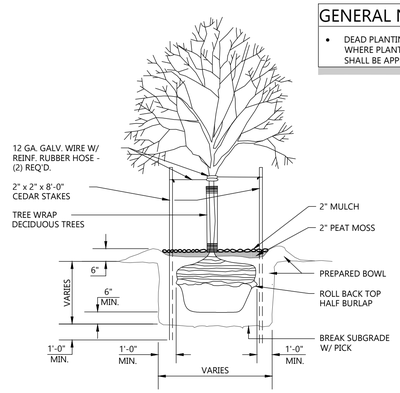
REVISIONS

AD1	JAN. 9, 2025
AD4	MAR. 4, 2025
CB1	MAY 7, 2025

JOB NUMBER
240296000

SHEET NUMBER
C1.3





TREE PLANTING DETAIL

NOT TO SCALE

GENERAL NOTES:

- DEAD PLANTINGS SHALL BE REMOVED AND REPLACED WITHIN 30 DAYS. IN CASES WHERE PLANTINGS CAN'T BE ESTABLISHED IN 30 DAYS, AN APPROPRIATE TIMELINE SHALL BE APPROVED BY THE COMMUNITY DEVELOPMENT DEPARTMENT DESIGNEE.

HATCH KEY:

HATCH	LANDSCAPE MATERIAL
	MINERAL MULCH
	SEEDED LAWN
	EROSION MATTING (NAG C125) OVER SEEDED LAWN (SWALE BOTTOMS)

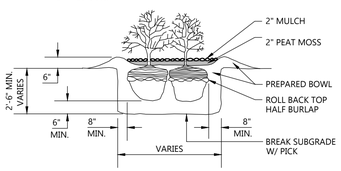
LANDSCAPING PLANTING SCHEDULE

SYMBOL	COMMON NAME	BOTANICAL NAME	PLANTED SIZE	QUANTITY
	DECIDUOUS TREES			
	Red Maple	Acer rubrum	2"	2
	Red Oak	Quercus rubra	2"	1
	Crape Myrtle	Lagerstroemia indica	2"	2
	DECIDUOUS SHRUBS			
	Bush Morning Glory	Conolvulus cneorum	5 gal pot	8
	Adams Needle	Yucca flaccida	5 gal pot	8
	Barberry	Berberis spp.	1 gal pot	12
	PERENNIALS			
	Ajuga	Ajuga repans	1 gal pot	7
	Canadian Juniper	Juniperus communifs	1 gal pot	7
	Daylilies 'Stella de Oro'	Hemerocallis 'Stella de Oro'	1 gal pot	5
	EXISTING TREES			
	EXISTING TREE			3
	GRANITE BOULDERS			
	24"-30" Diameter Granite Boulder		24"-30"	2

LANDSCAPING CALCULATIONS

REQ. PLANTS	PLANTS PROVIDED
1 TREE/75 LF WITHIN FRONT YARD SETBACK ADJACENT TO STREET, INGRESS/EGRESS EXCLUDED (499 LF-53 LF)/75 LF=6 TREES	3 TREES PROPOSED, 3 TREES EXISTING 6 TREES TOTAL
1 SHRUB/5 LF OF BUILDING STREET FRONTAGE 136 LF/5 LF=28 SHRUBS	28 SHRUBS

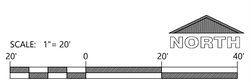
NOTE: FOR MASS PLANTINGS EXCAVATE ENTIRE BED & BACKFILL W/ PREPARED SOIL.



SHRUB PLANTING DETAIL

NOT TO SCALE

SCALE: 1"= 20'



CIVIL LANDSCAPE AND RESTORATION PLAN

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100 Camelot Drive
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PROJECT INFORMATION

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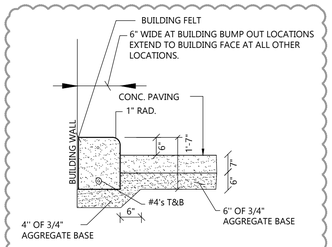
AD2	JAN. 27, 2025
CB1	MAY 7, 2025

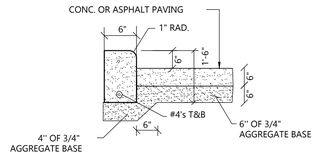
JOB NUMBER
240296000

SHEET NUMBER
C1.4



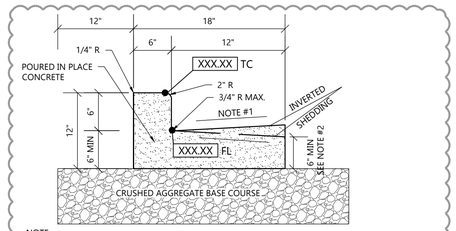
DRIVE-THRU BUILDING VERTICAL CURB DETAIL

NO SCALE



6" VERTICAL CURB DETAIL

NO SCALE

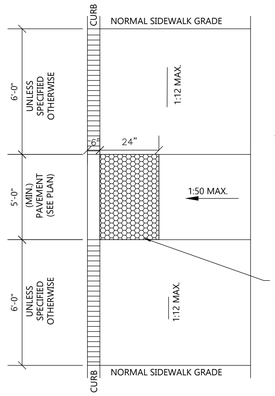


NOTE:

1. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MIN. GUTTER THICKNESS IS MAINTAINED.
3. SEE SITE PLAN & GRADING PLAN FOR INVERTED & SHEDDING CURB LOCATIONS

18" CONCRETE CURB & GUTTER DETAIL

NOT TO SCALE



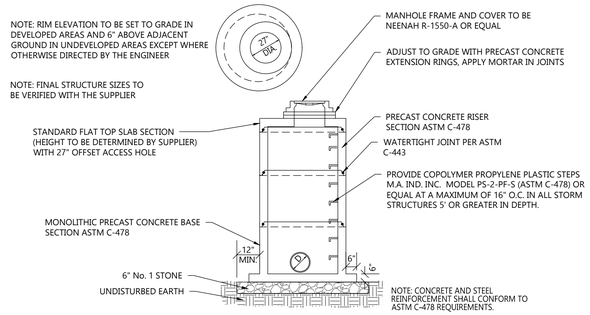
PLAN

NOTE:
ADA CURB RAMP SHALL CONFORM TO THE CURRENT EDITION OF ADA STANDARDS FOR ACCESSIBLE DESIGN FOR ALL REQUIREMENTS.

DETECTABLE WARNING SURFACE. SURFACE TO BE TRUNCATED DOMES WITH A BASE DIAMETER OF 0.9" MIN. TO 1.4" MAX. AND A TOP DIAMETER OF OF 50% MIN. TO 65% MAX. OF THE BASE DIAMETER. HEIGHT OF DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6" MIN. AND 2.4" MAX. AND A BASE-TO-BASE SPACING OF 0.65" MIN. MEASURED BETWEEN THE MOST ADJACENT DOMES ON THE GRID. DOMES SHALL BE ALIGNED IN A SQUARE GRID PATTERN.

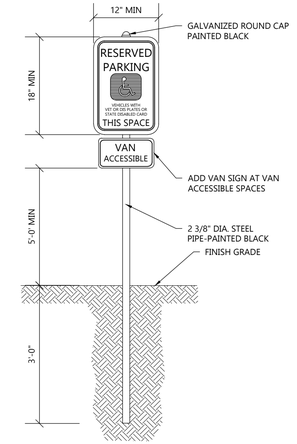
ADA SIDEWALK RAMP DETAIL

NOT TO SCALE



STORM MANHOLE DETAIL

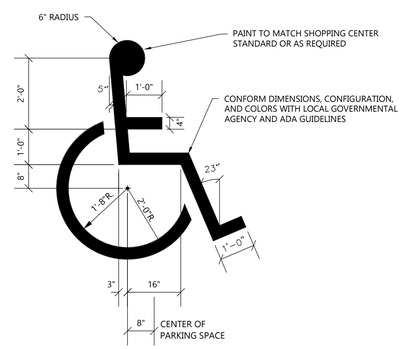
NOT TO SCALE



HANDICAP SIGNAGE WITHOUT CONCRETE BASE DETAIL

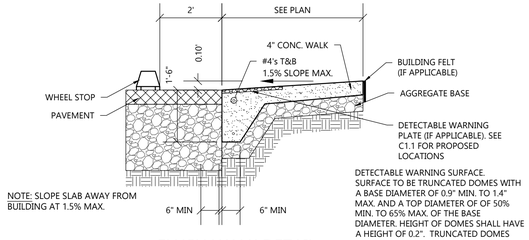
NOT TO SCALE

SPECIFICATION NOTE:
SEE SHEET C0.2 FOR PLAN SPECIFICATIONS AND REQUIREMENTS



HANDICAP STALL SYMBOL

NOT TO SCALE

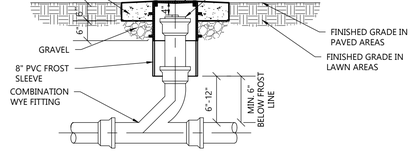


NOTE: SLOPE SLAB AWAY FROM BUILDING AT 1.5% MAX.

DETECTABLE WARNING SURFACE. SURFACE TO BE TRUNCATED DOMES WITH A BASE DIAMETER OF 0.9" MIN. TO 1.4" MAX. AND A TOP DIAMETER OF OF 50% MIN. TO 65% MAX. OF THE BASE DIAMETER. HEIGHT OF DOMES SHALL HAVE A HEIGHT OF 0.2". TRUNCATED DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6" MIN. AND 2.4" MAX. AND A BASE-TO-BASE SPACING OF 0.65" MIN. MEASURED BETWEEN THE MOST ADJACENT DOMES ON THE GRID. DOMES SHALL BE ALIGNED IN A SQUARE GRID PATTERN.

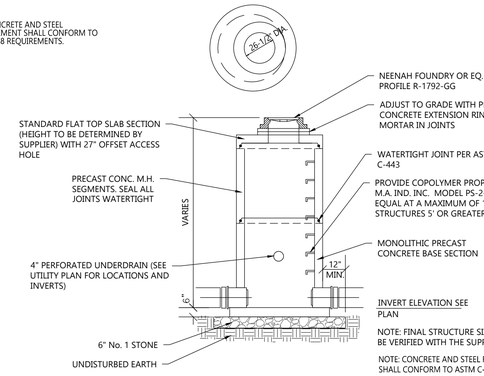
FLUSH WALK DETAIL

NOT TO SCALE



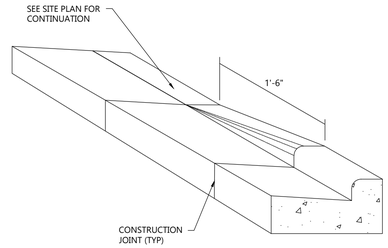
CLEANOUT TO GRADE DETAIL

NOT TO SCALE



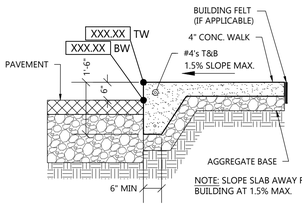
STORM CATCH BASIN DETAIL

NOT TO SCALE



CURB TAPER DETAIL

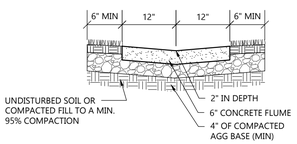
NOT TO SCALE



NOTE: SLOPE SLAB AWAY FROM BUILDING AT 1.5% MAX.

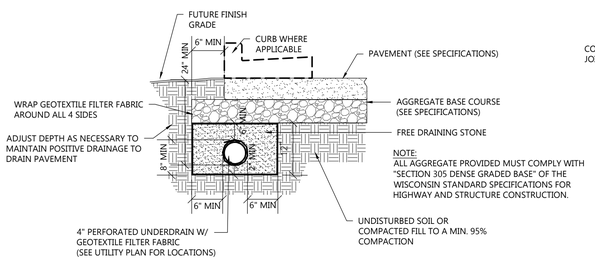
RAISED WALK DETAIL

NOT TO SCALE



CONCRETE FLUME DETAIL (LAWN)

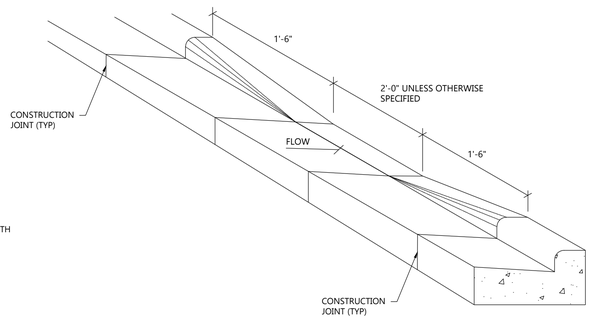
NOT TO SCALE



NOTE:
ALL AGGREGATE PROVIDED MUST COMPLY WITH "SECTION 305 DENSE GRADED BASE" OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

PAVING WITH UNDERDRAIN DETAIL

NOT TO SCALE



CURB CUT DETAIL

NOT TO SCALE

CIVIL DETAILS

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PROJECT INFORMATION

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1800 CROOKS AVENUE • KAUKAUNA, WI 54130

PROFESSIONAL SEAL

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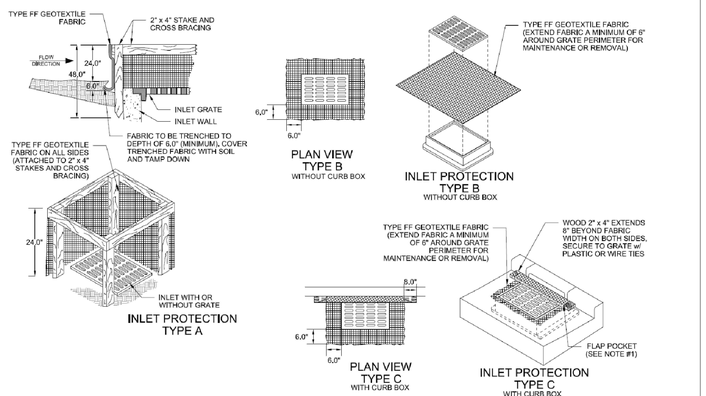
SHEET ISSUE DEC. 6, 2024
REVISIONS
CB1 MAY 7, 2025

JOB NUMBER
240296000

SHEET NUMBER
C2.0

FIGURE 1. INLET PROTECTION TYPES A, B AND C



NOTES:

1. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4", THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

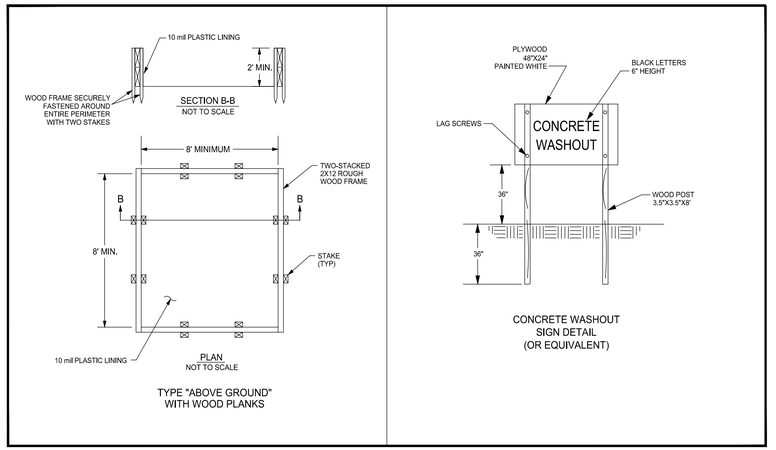
MAINTENANCE NOTES:

1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

WISCONSIN DEPT. OF NATURAL RESOURCES

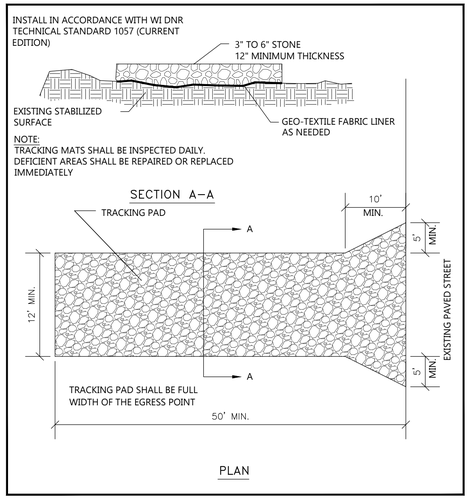
1050
TECHNICAL STANDARD No.
12/2021
REVISION DATE
NOT TO SCALE

INLET PROTECTION DETAIL
NOT TO SCALE



CONCRETE WASHOUT DETAIL
NOT TO SCALE

SPECIFICATION NOTE:
SEE SHEET C0.2 FOR PLAN SPECIFICATIONS AND REQUIREMENTS



TRACKPAD DETAILS
NOT TO SCALE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD NO. 1053 (CHANNEL EROSION MAT).

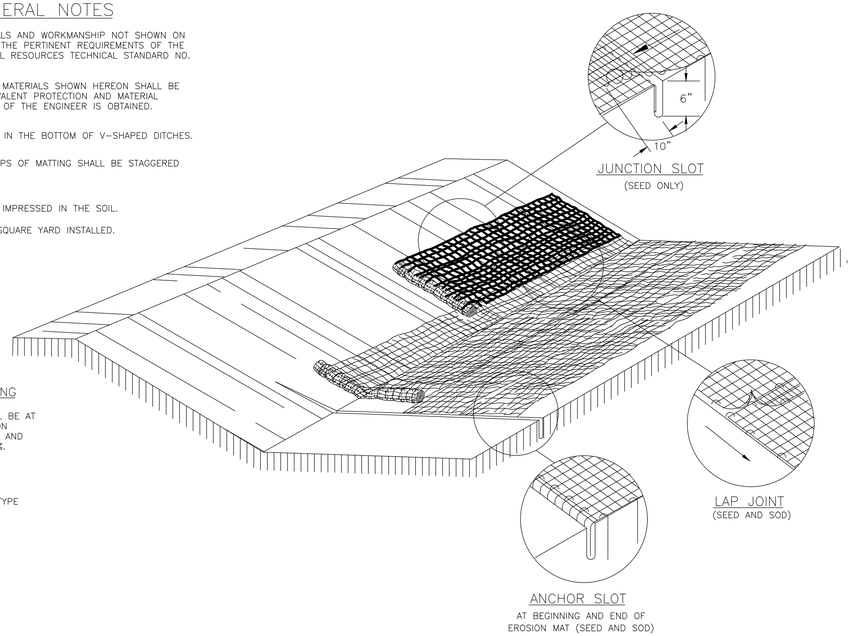
VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V–SHAPED DITCHES.

JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.

EDGES OF EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

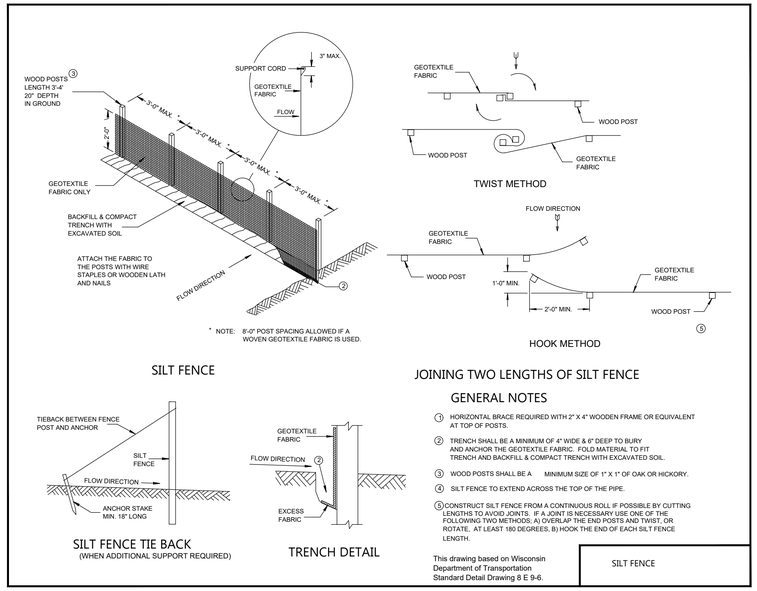
EROSION MAT SHALL PAID BY THE SQUARE YARD INSTALLED.



EROSION MAT OVER SEEDING

JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3%, AND 50 FEET ON GRADES EXCEEDING 3%.

NOTE:
SEE SPECIFICATIONS FOR MATTING TYPE



GENERAL NOTES

① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1" X 1" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES. B) HOOK THE END OF EACH SILT FENCE LENGTH.

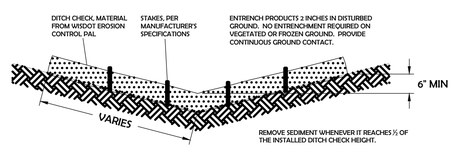
This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 9-6.

SILT FENCE

SILT FENCE - INSTALLATION DETAIL
NOT TO SCALE

DITCH CHECK DETAIL

LOG-TYPE DITCH CHECK



CIVIL DETAILS

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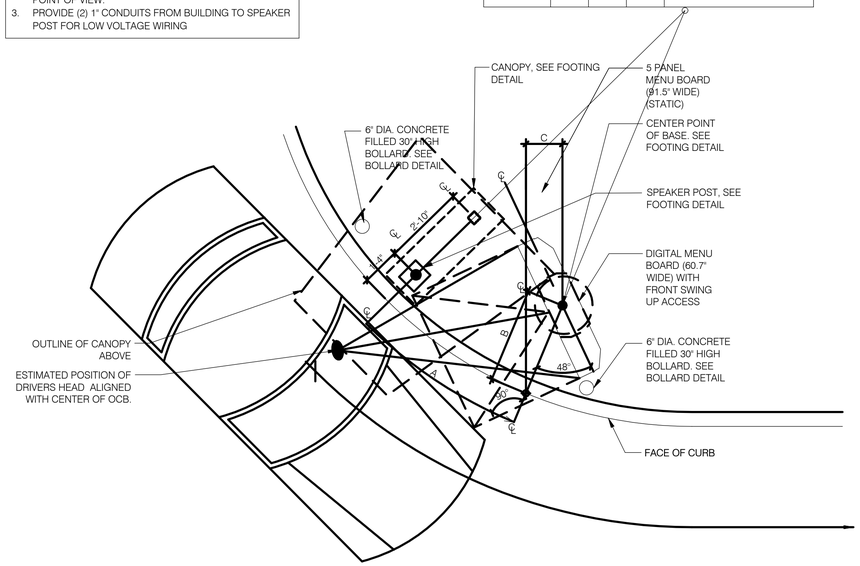
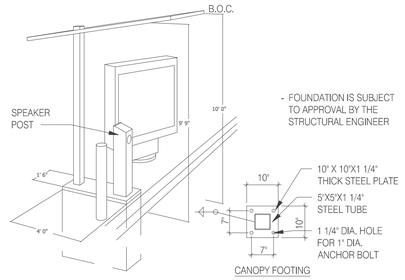
NOTES
1. ALL AREAS OF THE MB MUST BE VISIBLE TO DRIVER LOCATED AT SPEAKER POST. ASUME DRIVERS LOCATION IS 24" FROM FACE OF CURB, CENTERED ON SPEAKER POST.
2. CENTER OF MB TO BE 5'-6" TO 9'-0" FROM DRIVERS POINT OF VIEW.
3. PROVIDE (2) 1" CONDUITS FROM BUILDING TO SPEAKER POST FOR LOW VOLTAGE WIRING

CORNER DIMENSIONS

RADIUS	A	B	C	MENU BRD DEG TILT
15'-0"	6'-3"	3'-3"	1'-3"	48°
18'-0"	5'-10"	3'-6"	1'-7"	52°
20'-0"	5'-11"	3'-7"	1'-9"	54°

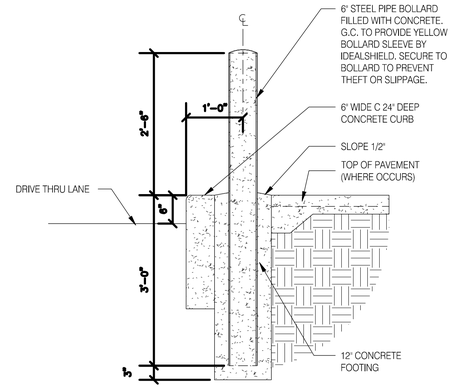


ENLARGED MENU BOARD DETAIL @ CURVED CURB 3/8" = 1'-0" | 10



CANOPY AND SPEAKER FOOTING N.T.S. | 9

SPECIFICATION NOTE:
SEE SHEET C0.2 FOR PLAN SPECIFICATIONS AND REQUIREMENTS



BOLLARD AT DRIVE THROUGH

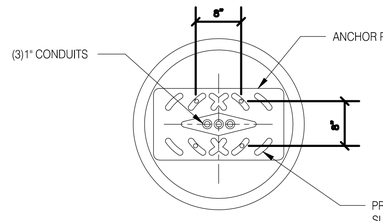
NOTE:
BOLT PATTERN PROVIDED AS EXAMPLE - OBTAIN ANCHOR BOLT TEMPLATE FROM SUPPLIER

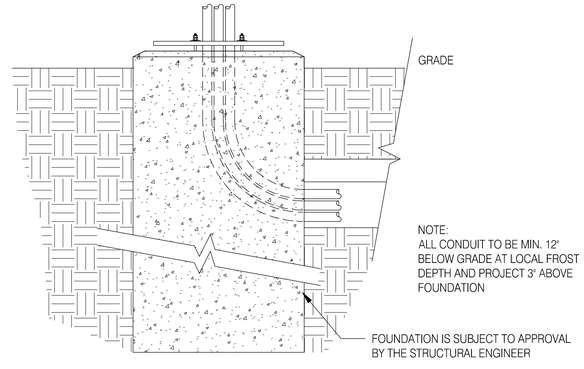
CONDUIT SCHEDULE

DEVICE	POWER	DATA
DIRECTIONAL	(1) 3/4"	-
SPEAKER POST	(1) 1"	(1) 1"
MENU BOARD	(1) 1"	(2) 1"
PREVIEW BOARD	(1) 1"	(2) 1"

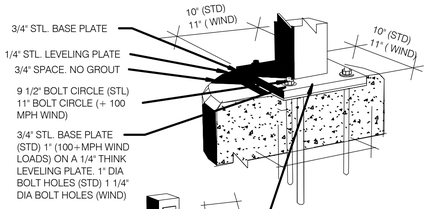
OPTIONAL →

MENU BOARD - (3) CAT 6
PREVIEW BOARD - (2) CAT 6
SPEAKER POST - (1) CAT 6

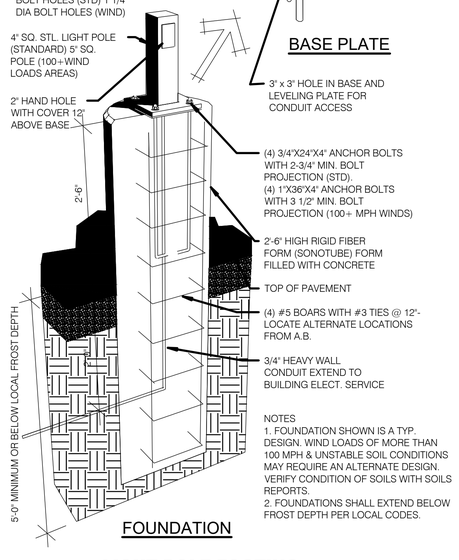




MENU FOUNDATION



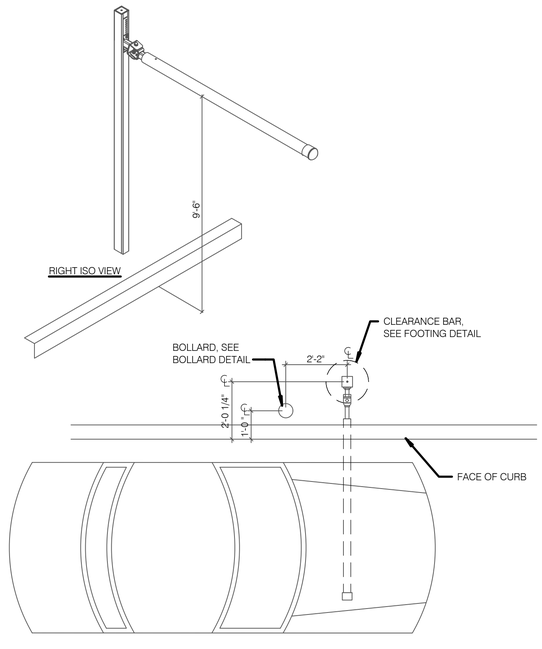
BASE PLATE



FOUNDATION

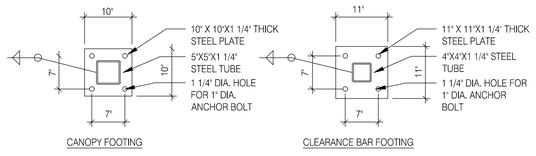
NOTES
1. FOUNDATION SHOWN IS A TYP. DESIGN. WIND LOADS OF MORE THAN 100 MPH & UNSTABLE SOIL CONDITIONS MAY REQUIRE AN ALTERNATE DESIGN. VERIFY CONDITION OF SOILS WITH SOILS REPORTS.
2. FOUNDATIONS SHALL EXTEND BELOW FROST DEPTH PER LOCAL CODES.

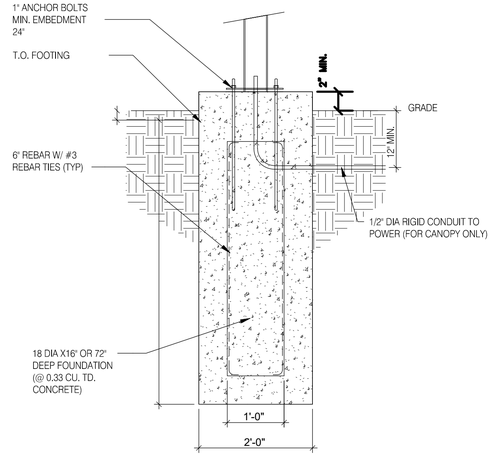
LIGHT POLE FOOTING



PORTAL PLACEMENT DETAIL

NOTE:
REFER TO CURRENT CUT SHEETS FOR FOOTING BOLT DETAILS





CLEARANCE BAR AND CANOPY FOOTING

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