



City of Fitchburg
Planning/Zoning Department
5520 Lacy Road
Fitchburg, WI 53711
(608-270-4200)

ARCHITECTURAL & DESIGN REVIEW APPLICATION

Applicant/Contact Person: Brad Koning AIA - Sketchworks Architecture

Address: 7780 Elmwood Ave. Suite 208

Phone Number of Contact Person: 608-836-7570

City, State, Zip Code: Middleton WI 53562

Email of Contact Person: bkoning@sketchworksarch.com

Project Address: Seminole HWY and SubZero Pkwy

Lot: 2

Subdivision: _____

Project Type: _____ **Multi-Family** ☒ **Commercial** _____ **Industrial** _____ **Other**
_____ **New** _____ **Addition**

Impervious Surface Ratio (ISR): 54.33 (City Standard: maximum 65% ISR)

All items listed below must be included with the application to be considered complete. If an item is not included with the application, the applicant must provide in writing the basis for not including it. Building and site plans submitted to the Fitchburg Plan Commission for architectural and design review shall contain the following information:

Site Data:

- ☒ 1. Lot or property dimensions.
- ☒ 2. Orientation (to north).
- ☒ 3. Adjacent highways, roads, drive, etc.
- ☒ 4. Existing natural features (rivers, ponds, wetlands).
- ☒ 5. Existing buildings and/or improvements.
- ☒ 6. Existing and proposed site drainage.
- ☒ 7. Utility plans, including main/lateral sizes and existing fire hydrants on site or within 300 feet of the site
- ☒ 8. ISR shall be indicated on all plans.
- ☒ 9. Stormwater management plans and details, including grading plan.
- ☒ 10. Lighting plan in footcandles and light fixture cut sheets.

Building:

- ☒ 1. Building size, configuration and orientation.
- ☒ 2. Distance from lot lines.
- ☒ 3. Distance from other buildings, improvements and natural features.
- ☒ 4. Location of well, septic tank, drainfield, etc. (if applicable)
- ☒ 5. Additional proposed additions or new structures, including trash/recycling enclosure(s).
- ☒ 6. Construction type (wood frame, structural steel, etc.).
- ☒ 7. Foundation type (full basement, slab on grade, etc.).
- ☒ 8. Number of levels.
- ☒ 9. Siding/exterior covering type, color, texture, etc.
- ☒ 10. Roof type (gable, hip, shed, flat, etc.) and pitch.
- ☒ 11. Roofing material type, color, texture, etc.
- ☒ 12. Exterior door and window location, size, type, etc.
- ☒ 13. Fire protection sprinklers or fire alarm systems.

Ingress, Egress, Parking:

- ☒ 1. Location of highway and road access points.
- ☒ 2. Location, size, configuration of drives and walks.
- ☒ 3. Number, size, location of parking spaces.
- ☒ 4. Location of handicapped parking and accessible building entrances.
- ☒ 5. Bicycle rack(s).

ARCHITECTURAL AND DESIGN REVIEW APPLICATION

Page 2

Landscaping:

☐
☐
☐
☐

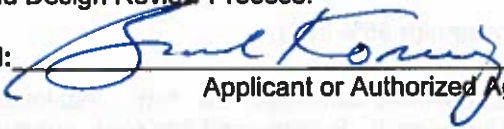
1. Location, species, size of existing trees, shrubs, and plantings.
2. Location, species, size of proposed plantings.
3. Location and size of all paved, seeded/sodded and gravelled areas.
4. Location of all retaining walls, fences, berms and other landscape features.

***It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an ADR application to identify any concerns or issues of surrounding residents.**

The preceding information is considered to be the minimum information for submission, and the City may require additional information for its review. Any interpretations provided by city officials as the result of submitting the attached information are based on the submitted plans, and any plan changes, may affect the interpretations.

It is the responsibility of the owner/applicant to insure compliance with all local and state requirements. The below signed applicant acknowledges the above information and hereby submits the attached information for the City's Architectural and Design Review Process.

Signed: _____



Applicant or Authorized Agent

Date: 06/12/2018

***** Application shall be accompanied by one (1) sets of full-size plans, two (2) sets no larger than 11"x17", and one (1) pdf document of the complete submittal to planning@fitchburgwi.gov. Applications are due at least 4 weeks prior to the desired Plan Commission Meeting. The time frame assumes a complete set of plans is provided, and if it is not provided the Plan Commission date will be adjusted.**

FOR CITY USE ONLY

Date Received: _____ Plan Commission Date: _____

Comments:



June 12, 2019

City of Fitchburg
Planning and Development
5520 Lacy Road
Fitchburg WI 53711

RE: **Hop Haus Brewing Company - Brewery and Restaurant**
Plan Commission – Conditional Use - Restaurant
Architectural Design Review

Dear Commission members and Planning Staff:

On behalf of Hop Haus Brewing Company, Sketchworks Architecture, LLC is submitting this letter of intent for a CUP and ADR approval for a new 10,800 sf development located at the corner of Seminole Highway and SubZero Parkway. We are also requesting an Early Start Permit per section 24-14 of the City of Fitchburg's Land Disturbance Ordinance.

The project has been discussed with the City of Fitchburg development group on June 7, 2019.

Proposal Summary:

Hop Haus Brewing Company is currently located at 231 South Main Street in Verona. Their business has grown and they are looking to expand into a larger facility that provides greater opportunity for brewing, larger tasting room capacity with full service restaurant, and an opportunity for event space. Outdoor seating will also be a consideration in the new design. Main level outdoor patio seating as well as a larger rooftop patio is under consideration as part of the requested approval.

The building consists of a brewhouse with second story administrative offices, and a taproom/restaurant with both outdoor and second floor upper deck seating. The building will be primarily wood construction, with steel structural columns/beams were needed to achieve the design. The Brewhouse will be two stories in height to allow for natural ventilation and vertical expansion as needs arise. The tap room and event center will be orientated toward the corner of Seminole Highway and SubZero Parkway with a large landscaped area for various outdoor activities. The brewhouse is located toward the rear of the lot to allow functional access from the parking lot and loading areas. The building will have a complete fire sprinkler system.

The exterior of the building will primarily be two toned architectural metal panels that identify with the interior functional space. Split-faced and brick masonry is used at the base of the building for durability and as an accent material. Horizontal vintage wood shiplap siding is used to accent the main entrance and patio sunscreen elements to provide a recognizable and warmth in juxtaposition to the metal panel. The roof will be primarily ballasted rubber membrane on the single story roof. The second story spaces will have a standing seam metal roofing system. The landscaped open patio areas will be enclosed with aluminum fencing.



Deliveries / Loading is accessed via the parking lot to the south of the property and is typically once a week for typically less than 1 hour per truck. However, this may increase with production and demand for product. Expected deliveries would include: Frozen Food, Fresh Produce, Liquor, and other related deliveries. Loading of Hop Haus Beer typically happens once to twice a week and typically take less than one hour as well. Grain delivery would be approximately four times per year as needed to fill the grain bin.

There are no adverse odors anticipated from brewing of beer outside of the facility.

Specific Business Data as follows:

Hours of Business:

(M-Th) 11am to 11pm,

(F) 11am-12am,

(Sat) 10am-12am, and (Sun) 10am-11pm

Number of Employees: Full Time – 6-10, Part Time – 25 (various shifts)

Waste Disposal: (2) 8 yd trash containers will be located with an enclosure (Metal panel with locking gate to match building). Pickup will be twice a week provided by a private company.

Outdoor Activities: The exterior patio located at grade and will be open seasonally. The proposed rooftop patio will be open seasonally and will also be available for private parties. Outdoor music may be provided either by amplified audio or live until 10pm. Live music is mainly on Thursdays, Fridays, and Saturdays which is instrumental in nature and not heavily amplified. Audio music throughout the facility is background in nature to allow pleasant conversation and jovial comradery.

Zoning District:

The property is currently zoned (B-G) Business General

Project Schedule:

The project construction schedule will be as follows:

CUP/ADR Application Submittal	June 12, 2019
Plan Commission Approval	July 16, 2019
Permit Submittal:	September 1, 2019
Start Construction	September 15, 2019
Complete Construction:	May 1, 2019



Project Team:

The key individuals and firms involved in this planning and design process include:

Building Owner:

Hop Haus Brewing Company
231 South Main Street
Verona WI 53593
Contact Phil Hoechst
(608) 497-3165

Architect:

Sketchworks Architecture, LLC
7780 Elmwood Ave Ste 208
Middleton, WI 53562
Contact: Brad Koning AIA
(608) 836-7570
bkoning@sketchworksarch.com

General Engineering Company

916 Silver Lake Drive
Portage, WI 53901
Contact: Brad Boettcher P.E.
(608) 742-2169
bradboettcher@generalengineering.net

Please feel free to contact us with any questions you may have regarding this request.

Respectfully,

A handwritten signature in black ink that reads "Bradley Koning". The signature is written in a cursive, flowing style.

Brad Koning
Sketchworks Architecture, LLC

HOP HAUS BREWING

NEW FACILITY
S. SEMINOLE HWY/SUB-ZERO PARKWAY
FITCHBURG, WISCONSIN

PROJECT DATA:

LOCATION: S. SEMINOLE HWY/SUB-ZERO PARKWAY
FITCHBURG, WI 53711

REGULATING MUNICIPALITIES:
CITY OF FITCHBURG
DADE COUNTY
STATE OF WISCONSIN

BUILDING CODE:
CITY OF FITCHBURG ZONING ORDINANCES
WISCONSIN ADMINISTRATIVE CODE
2015 INTERNATIONAL BUILDING CODE

CONSTRUCTION TYPE:
TYPE "VB"
FULLY SPRINKLERED NFPA-13

ZONING:
BUSINESS GENERAL

TOTAL ALLOWABLE AREA: 25,500 GSF

TOTAL BUILDING AREA: 10,800 GSF

OCCUPANCY:
"F-1" BREWING = 38 OCCUPANTS (100 GROSS)
"A-2" ASSEMBLY = 305 OCCUPANTS (15 NET)
KITCHEN = 2 OCCUPANTS (200 GROSS)

"B" BUSINESS = 12 OCCUPANTS (100 GROSS)
ROOF DECK = 116 OCCUPANTS
TOTAL OCCUPANCY = 473

AREA CALCULATIONS:
TOTAL BUILDING SQUARE FOOTAGE: 13,455 GSF
FACTORY (F-1): 3,805 GSF
ASSEMBLY (A-2) BAR/EVENT SPACE 4,571 GSF
KITCHEN 498 GSF
BUSINESS (B): 1,120 GSF
ASSEMBLY (A-2) ROOF DECK 1,744 GSF

PLUMBING:
473 OCCUPANTS
REQUIRED W.C.-4 (1/25) LAV.-2 (1/40)
PROVIDED W.C.-4 LAV.-2
2 ADA COMPLIANT TOILETS PROVIDED

FIRE CONTROL:
THIS IS A FULLY-SPRINKLERED BUILDING NFPA-13
NO FIRE AREAS PROVIDED
1 HR. FIRE SEPARATION REQUIRED AT BOILER ROOM
1 HR. FIRE SEPARATION REQUIRED AT GRIN MIXING

EXIT TRAVEL DISTANCE:
250 FT COMMON PATH OF TRAVEL

ACCESSIBILITY:
PER ANSI A117.1

GENERAL NOTES:

- DIMENSIONS ARE TO FACE OF WALL OR TO COLUMN CENTERLINE UNLESS NOTED OTHERWISE. VERIFY ALL EXISTING CONDITIONS AND ADJUST WALL DIMENSIONS ACCORDINGLY. CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERING ANY DISCREPANCIES OR CONFLICTING INFORMATION IN THESE DOCUMENTS. CONTRACTOR SHALL CAREFULLY REVIEW AND COMPARE ALL DRAWINGS DURING THE BIDDING PERIOD AND BEFORE INSTALLATION OF THEIR WORK. ANY INCONSISTENCIES IN THE DRAWINGS SHALL BE REPORTED PROMPTLY TO THE ARCHITECT AND ENGINEER(S) FOR CLARIFICATION.
- DO NOT SCALE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE - USE GIVEN DIMENSIONS. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER IMMEDIATELY UPON DISCOVERING ANY UNANTICIPATED EXISTING SITE CONDITIONS AFFECTING THE EXECUTION OF THESE DOCUMENTS (SUCH AS HAZARDOUS MATERIALS, ETC.).
- CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS GOVERNING THIS PROJECT.
- JOB SITE SHALL BE BROOM SWEEPED AND CLEAN AT THE END OF EACH DAY. ALL DEBRIS SHALL BE PICKED UP AND DISPOSED OF PROPERLY INTO APPROVED CONTAINER.
- MAINTAIN DESIGNATED EGRESS ROUTES DURING CONSTRUCTION BY KEEPING CLEAR OF CONSTRUCTION DEBRIS AND CLEARLY MARKING THE PATH OF EGRESS TRAVEL.
- ALL MECHANICAL (HVAC), ELECTRICAL, AND PLUMBING ("MEP") DESIGN AND CONSTRUCTION TO BE BY A DESIGN-BUILD DELIVERY METHOD AND ARE SUBSEQUENTLY NOT PART OF THESE DOCUMENTS. IT IS THE MEP CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE GENERAL CONTRACTOR AND WITH THESE DRAWINGS THE FINAL DESIGN, RETROFIT AND INSTALLATION OF THESE SYSTEMS. NOTIFY THE ARCHITECT PRIOR TO MAKING ANY REVISIONS TO THE STRUCTURE OR ARCHITECTURAL FEATURES.
- ELECTRICIAN TO VERIFY NEW LIGHT FIXTURE LAYOUT AND SUBMIT LIGHTING ENERGY CALC'S AS REQUIRED PER CODE. REVIEW PLAN WITH ARCHITECT.
- HVAC CONTRACTOR SHALL SUBMIT PROPER DESIGN DRAWINGS AS NEEDED FOR PLAN APPROVAL AND BUILDING PERMITS.
- ENSURE A CLEAR PATHWAY TO ALL EXISTS IS MAINTAINED AND SUSTAINED.

SHEET INDEX:

A0.1 COVER SHEET
A0.2 EXTERIOR RENDERINGS
A0.3 EXTERIOR RENDERINGS

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C2.0 OVERALL PROPOSED SITE PLAN
C2.1 PROPOSED SITE PLAN
C2.2 PROPOSED SITE PLAN
C3.0 PROPOSED GRADING PLAN AND EROSION CONTROL
C3.1 PROPOSED GRADING PLAN AND EROSION CONTROL
C4.0 PROPOSED SPOT ELEVATION PLAN
C5.0 PROPOSED UTILITY PLAN
C5.1 PROPOSED UTILITY PLAN
C6.0 EROSION CONTROL SPECIFICATIONS
C7.0 EROSION CONTROL DETAILS
C8.0 WATER MAIN CONSTRUCTION DETAILS
C9.0 SANITARY SEWER CONSTRUCTION DETAILS
C10.0 STORM SEWER CONSTRUCTION DETAILS
C10.1 STORM SEWER MANHOLE AND INLETS
C11.0 MISCELLANEOUS DETAILS
C12.0 LANDSCAPE PLAN AND DETAILS
C12.1 PROPOSED LANDSCAPE PLAN

E1.0 SITE LIGHTING PHOTOMETRIC PLAN

ARCHITECTURAL

A2.1 FIRST FLOOR PLAN
A2.2 ROOF DECK FLOOR PLAN
A3.1 ELEVATIONS

PROJECT MATERIAL NOTES:

BUILDING STRUCTURE TO BE WOOD FRAMED CONSTRUCTION. RAISED PORTION OF BREWERY TO BE STEEL FRAME WITH WOOD INFILL FRAMING.

POURED CONCRETE FLOOR SLAB - POLISHED FINISH THROUGH-OUT UNLESS OTHERWISE NOTED. BREWERY AND PACKAGING FLOOR TO BE EPOXY SLOPED TO CONTINUOUS TRENCH DRAIN.

INTERIOR FINISHES WITHIN BREWERY TO BE FRP TO 10' AFF. METAL LINER PANEL ABOVE.

INTERIOR FINISHES WITHIN BAR/EVENT SPACE TO BE BRICK VENEER ON EXTERIOR WALLS, PAINTED DRYWALL REMAINING. MAY HAVE RECLAIMED OR CHARRED BARNWOOD AS ACCENT WALLS. BRICK TO MATCH EXTERIOR VENEER.

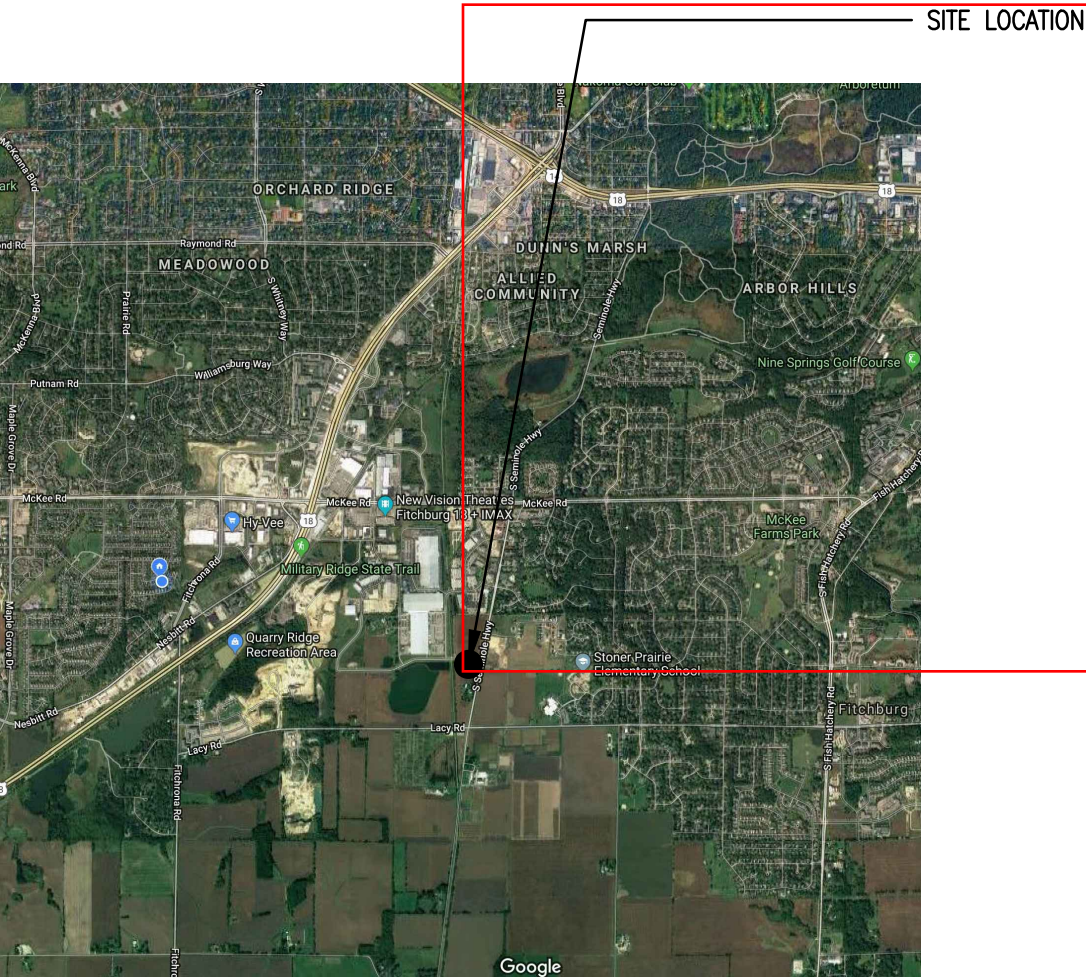
BAR TO BE POURED CONCRETE TOP WITH EASED EDGE - POLISHED. BASE TO BE WOOD FRAMED WITH SHEATHING. USED LICENSE PLATE DECOR MIXED WITH RECLAIMED WOOD PANELS SET IN STEEL FRAME.

EXPOSED WOOD TRUSSES TO BE PAINTED. ACOUSTICAL PANELS BETWEEN TRUSSES.

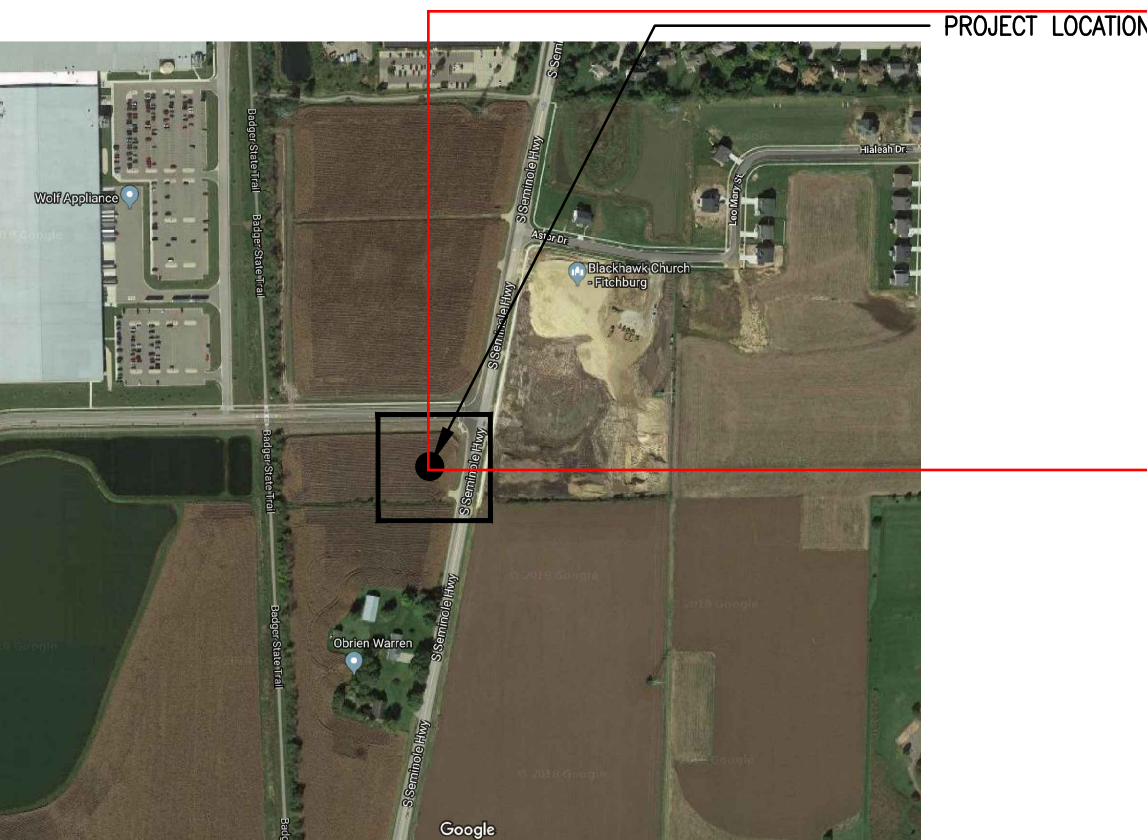
KITCHEN TO BE SEALED CONCRETE FLOORS, FRP WALLS (STAINLESS BEHIND HOOD) COVED TILE BASE.

RESTROOM TO BE SEALED CONCRETE FLOORS, PAINTED WALLS AND COVED TILE BASE.

SITE LOCATION MAP:



PROJECT LOCATION:



CONTACTS:

OWNER:
HOP HOUSE BREWING
231 SOUTH MAIN STREET
VERONA, WI 53593

PHIL HOECHST
608-497-3165

GENERAL CONTRACTOR:
SUPREME STRUCTURES, INC.
2906 MARKETPLACE DRIVE, SUITE A
MADISON, WI 53719

DAN BERTLER
608-224-0777

ARCHITECT:
SKETCHWORKS ARCHITECTS, LLC
7780 ELMWOOD AVE., STE 208
MIDDLETON, WI 53562

BRAD KONING, AIA
608-836-7570

STRUCTURAL ENGINEER:
MP-SQUARED STRUCTURAL ENGINEERS, LLC.
538 DONOFRIO DRIVE, STE 201
MADISON, WI 53719

MARK PUCCIO, P.E.
608-821-44774

Sketchworks
architecture llc

HOP HAUS BREWING

NEW FACILITY
S. SEMINOLE HWY / SUBZERO PARKWAY
FITCHBURG, WISCONSIN

COVER SHEET

2019.6.12
P.C/ADR

A0.1



HOP HAUS BREWING



7780 Elmwood Ave., Suite 208 • Middleton, WI 53562 • 608.836.7570



HOP HAUS BREWING



7780 Elmwood Ave., Suite 208 • Middleton, WI 53562 • 608.836.7570



General Engineering Company

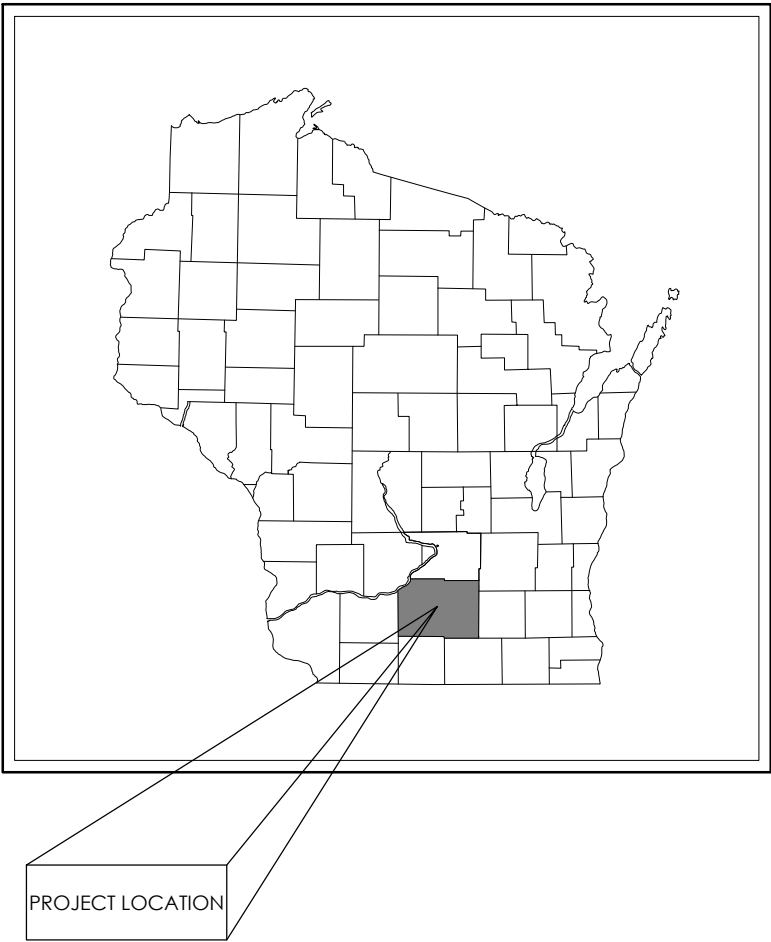
P.O. Box 340 • 916 Silver Lake Dr. • Portage, WI 53901
608-742-2168 (Office) • 608-742-2692 (Fax)

www.generalengineering.net

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HOP HAUS BREWING SUPREME STRUCTURES

CITY OF FITCHBURG
DANE COUNTY, WI



NO SCALE

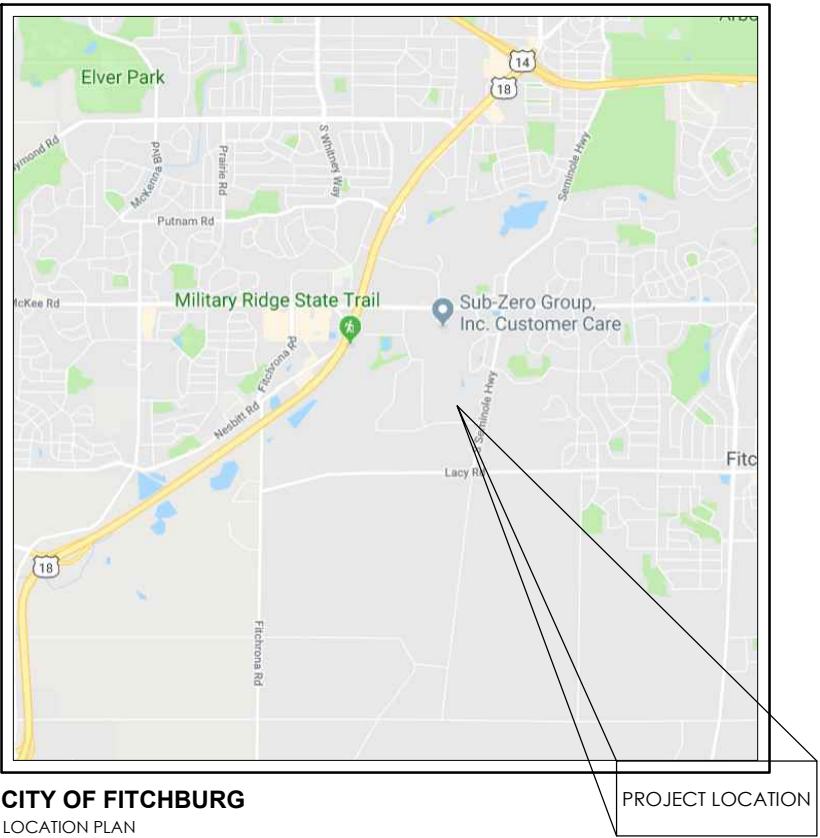


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- C4.0 PROPOSED SPOT ELEVATIONS
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- C11.0 MISC DETAILS
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- E1.0 Site Lighting

TITLE PAGE
HOP HAUS BREWING
SUPREME STRUCTURES
CITY OF FITCHBURG
DANE COUNTY, WI

REVISIONS	NO.	BY	DATE
REVISION	3	JLM	06/12/2019

	SCALE
DRAWN BY	JLM
REVIEWED BY	BRB
ISSUE DATE	APRIL 23, 2019
GEC FILE NO.	2-1118-526
SHEET NO.	G1.0

CONSTRUCTION NOTES

GENERAL

1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED, BY CONTRACTOR, PRIOR TO CONSTRUCTION.
2. ALL ASPHALT REPAIRS/REPLACEMENT SHALL BE SAWCUT TO MATCH EXISTING PAVEMENT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

WATER MAIN

1. EXISTING WATER MAIN LOCATIONS, SIZES, AND TYPES SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO MAKING ANY CONNECTIONS.
2. UNLESS OTHERWISE INDICATED BY DESIGN GRADE, MAINTAIN A 7.0' MINIMUM DEPTH OF COVER OVER PROPOSED WATER MAIN AND WATER MAIN LATERALS.
3. UNLESS OTHERWISE INDICATED FOR WATER MAIN CROSSINGS BELOW STORM SEWER & SANITARY SEWER PIPES CONTRACTOR SHALL MAINTAIN A MINIMUM 18" OF SEPARATION FROM EDGE OF PIPE TO EDGE OF PIPE.

SANITARY SEWER & FORCEMAIN

1. EXISTING SANITARY SEWER LOCATIONS, SIZES, AND TYPES SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO MAKING ANY CONNECTIONS.
2. SANITARY SEWER PIPE LENGTHS ARE SHOWN MEASURED FROM INSIDE OF STRUCTURE TO INSIDE OF STRUCTURE.
3. ALL LATERAL CONNECTIONS TO NEW MAIN SHALL BE MADE WITH WYE CONNECTIONS.

STORM SEWER

1. STORM SEWER PIPE LENGTHS ARE SHOWN MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

GRADING & EROSION CONTROL NOTES

1. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION.
2. SILT FENCE, TEMPORARY SEDIMENT BASIN, & ROCK CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES, INCLUDING CLEARING & GRUBBING.
3. ALL STORM SEWER INLETS SHALL HAVE INLET PROTECTION TYPE-D INSTALLED UPON INLET INSTALLATION.
4. CONTRACTOR IS RESPONSIBLE FOR WEEKLY DNR INSPECTION REPORTS IN ACCORDANCE WITH NR 216.46(9).
5. ADDITIONAL EROSION CONTROL MEASURES MAY BE ADDED ON AN AS-NEEDED BASIS.
6. THE POND SHALL BE CONSTRUCTED PRIOR TO MASS LAND DISTURBANCE.
7. ANY AREAS WHERE GRADING IS COMPLETE SHALL BE STABILIZED WITH FERTILIZER, SEED, & MULCH AS SOON AS POSSIBLE.
8. ALL BEST MANAGEMENT PRACTICES WILL BE INSTALLED BY THE TIME THE CONSTRUCTION SITE IS CONSIDERED STABILIZED.
9. A COPY OF THIS EROSION CONTROL PLAN SHALL BE KEPT ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
10. STOCKPILES LEFT INACTIVE FOR 7 DAYS SHALL BE SEEDED AND SURROUNDED BY SILT FENCE.
11. 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 RECEIVING CHANNEL.
12. EROSION CONTROL MAT CLASS I, TYPE A WILL BE USED IN NON-CHANNEL AREAS AND CLASS I, TYPE B WILL BE USED IN CHANNEL AREAS.
13. TRACKED EQUIPMENT ONLY SHALL BE USED IN THE BUFFER AREAS AS TO MINIMIZE COMPACTION.
14. STREETS SHALL BE SWEEPED AT THE END OF EACH WORK DAY OR AS DIRECTED BY THE MUNICIPALITY.
15. TRACKING PADS SHALL BE USED AT THE CONSTRUCTION ENTRANCE AND EXITS.
16. ALTHOUGH ROCK CONSTRUCTION TRACKING PADS MAY NOT BE SHOWN ON THE PLANS, THE CONTRACTOR SHALL INSTALL THEM AS NECESSARY OR AS DIRECTED BY THE ENGINEER TO MINIMIZE TRACKING ONTO ADJACENT STREETS. THESE PADS ARE CONSIDERED INCIDENTAL TO THE WORK AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY.
17. CONTRACTOR WILL BE RESPONSIBLE FOR ALL DUST CONTROL.
18. ALL BANK AREAS DISTURBED SHALL BE STABILIZED WITH EROSION CONTROL MAT IMMEDIATELY.
19. POSITIVE DRAINAGE AWAY FROM THE BUILDING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE CONFIRMED BY THE ENGINEER.
20. DOWN SPOUTS SHALL BE DIRECTED IN A SAFE MANNER AND COMPLY WITH ALL LOCAL AND STATE REGULATIONS.
21. ALL FILL PLACED UNDER BUILDING AND PAVED AREAS SHALL BE STRUCTURALLY SOUND.
22. SEDIMENT WILL BE REMOVED FROM BEHIND SEDIMENT FENCES AND BARRIERS BEFORE IT REACHES A DEPTH THAT IS EQUAL TO HALF THE BARRIER'S HEIGHT.
23. BREAKS AND GAPS IN SEDIMENT FENCES AND BARRIERS WILL BE REPAIRED IMMEDIATELY. DECOMPOSING STRAW BALES WILL BE REPLACED (TYPICAL BALE LIFE IS THREE MONTHS).
24. ALL SEDIMENT THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS WILL BE CLEANED UP BEFORE THE END OF THE SAME WORKDAY.
25. ALL INSTALLED EROSION CONTROL PRACTICES WILL BE MAINTAINED UNTIL THE DISTURBED AREAS THEY PROTECT ARE STABILIZED.
26. ALL EROSION CONTROL MAT SHALL BE INSTALLED WITHIN 24 HOURS OF FINAL GRADES BEING ESTABLISHED.

EXISTING LINETYPES LEGEND

———San———	SANITARY SEWER
———ST———	STORM SEWER
———WM———	WATER MAIN
———FM———	FORCE MAIN
———E———	ELECTRIC
———OE———	OVERHEAD ELECTRIC
———G———	GAS
———FO———	FIBER OPTIC
———T———	TELEPHONE
———TV———	TV
—x—x—x—x—x—	FENCE
o——o——o——o——	GUARD RAIL
—GL—GL—GL—	GRADING LIMITS
—SF—SF—SF—	SILT FENCE
—DB—DB—DB—	DOUBLE SEDIMENT BARRIER
+++++	TRAIN TRACKS
~~~~~	TREELINE

ABBREVIATION LIST

B-B = BACK TO BACK  
BOC = BACK OF CURB  
BOP = BOTTOM OF PIPE  
BOW = BOTTOM OF WALL  
C-C = CENTER TO CENTER  
CL = CENTERLINE  
CP = CONTROL POINT  
DIA = DIAMETER  
ELEV = ELEVATION  
EOG = EDGE OF GRAVEL  
EOP = EDGE OF PAVEMENT  
EX = EXISTING  
FL = FLOW LINE  
FM = FORCE MAIN  
HC = HORIZONTAL CURVE  
HP = HIGH POINT  
IE = INVERT ELEVATION  
INL = INLET  
INV = INVERT  
IOS = INSIDE OF STRUCTURE  
L = LENGTH  
LN = LINE  
LP = LOW POINT  
MH = MANHOLE  
MIN = MINIMUM  
MP = MIDPOINT  
PC = POINT OF CURVE  
PI = POINT OF INTERSECTION  
PRO = PROPOSED  
PT = POINT OF TANGENT  
PVC = POINT OF VERTICAL CURVE  
PVI = POINT OF VERTICAL INTERSECTION  
PVMT = PAVEMENT  
PVT = POINT OF VERTICAL TANGENT  
R = RADIUS  
ROW = RIGHT OF WAY  
S = SANITARY SEWER SERVICE LATERAL  
SAN = SANITARY SEWER  
SE = SPOT ELEVATION  
ST = STORM SEWER  
STA = STATION  
STD = STANDARD  
TC = TOP OF CURB  
TOP = TOP OF PIPE  
TOW = TOP OF WALL  
TYP = TYPICAL  
UOS = UNLESS OTHERWISE SPECIFIED  
VC = VERTICAL CURVE  
W = WATER MAIN SERVICE LATERAL  
WM = WATER MAIN

SYMBOLS LEGEND

	EXISTING MANHOLE
	PROPOSED MANHOLE
	EXISTING HYDRANT
	PROPOSED HYDRANT
	VALVE
	CURB STOP
	TRACER WIRE TERMINAL BOX
	WELL
	PROPERTY CORNER
	LIGHT POLE
	POWER / TELEPHONE POLE
	GUY WIRE
	UTILITY PEDESTAL
	SIGN
	SOIL BORING
	MONITORING WELL
	MAILBOX
	POTENTIAL HAZARD
	BENCHMARK
	CONTROL POINT
	DECIDUOUS TREE
	CONIFEROUS TREE
	HANDICAP SYMBOL

DIGGERS HOTLINE NOTE



OWNER

**SUPREME STRUCTURES, INC.**  
2906 MARKETPLACE DR.  
MADISON, WI 53719  
PHONE: (608) 224-0777

UTILITIES

1. **ELECTRIC**  
**MADISON GAS & ELECTRIC**  
133 S. BLAIR ST.  
MADISON, WI 53703  
PHONE: (608) 252-5618
2. **TELEPHONE**  
**AT&T**  
PHONE: (608) 252-2432
3. **GAS**  
**MADISON GAS & ELECTRIC**  
133 S. BLAIR ST.  
MADISON, WI 53703  
PHONE: (608) 252-5618
4. **CABLE TV**  
**CHARTER COMMUNICATION**  
2701 DANIELS ST.  
MADISON, WI 53716  
PHONE: (608) 209-3203
5. **WATER**  
**CITY OF FITCHBURG**  
5520 LACY RD.  
FITCHBURG, WI 53711  
PHONE: (608) 270-4200
6. **MUNICIPALITY**  
**CITY OF FITCHBURG**  
5520 LACY RD.  
FITCHBURG, WI 53711  
PHONE: (608) 270-4200



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**LEGEND & NOTES**  
**HOP HAUS BREWING**  
**SUPREME STRUCTURES**

**CITY OF FITCHBURG**  
**DANE COUNTY, WI**

DATE									
BY									
NO.									
REVISIONS									

SCALE

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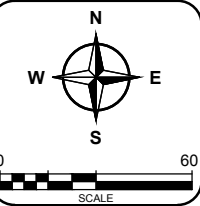
G1.1



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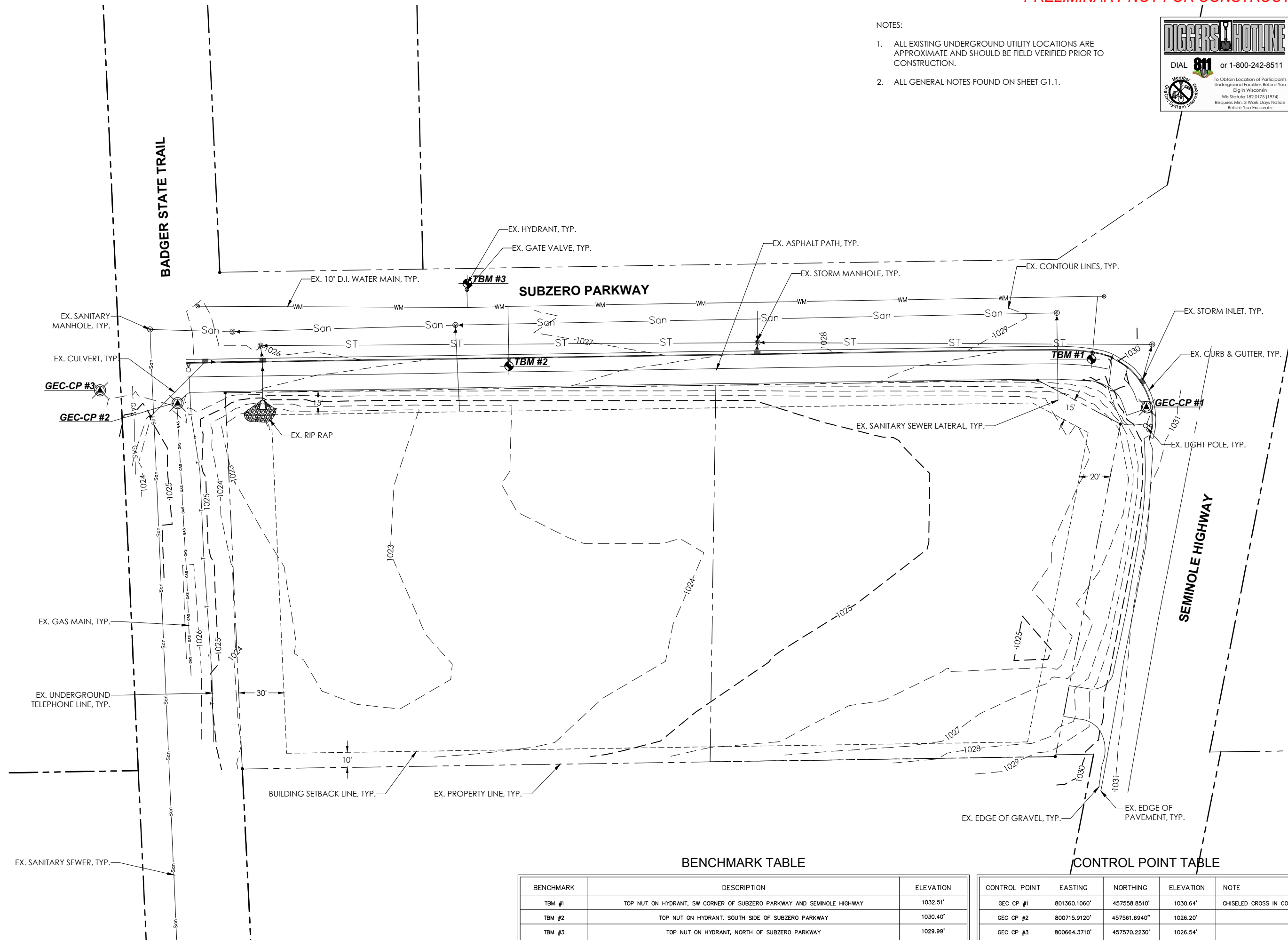
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**CITY OF FITCHBURG  
DANE COUNTY, WI**

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## C1.0

1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
2. ALL GENERAL NOTES FOUND ON SHEET G1.1.



## CONTROL POINT TABLE

BENCHMARK	DESCRIPTION	ELEVATION
TBM #1	TOP NUT ON HYDRANT, SW CORNER OF SUBZERO PARKWAY AND SEMINOLE HIGHWAY	1032.51'
TBM #2	TOP NUT ON HYDRANT, SOUTH SIDE OF SUBZERO PARKWAY	1030.40'
TBM #3	TOP NUT ON HYDRANT, NORTH OF SUBZERO PARKWAY	1029.99'

CONTROL POINT	EASTING	NORTHING	ELEVATION	NOTE
GEC CP #1	801360.1060'	457558.8510'	1030.64'	CHISELED CROSS IN CONCRETE
GEC CP #2	800715.9120'	457561.6940"	1026.20'	
GEC CP #3	800664.3710'	457570.2230'	1026.54'	





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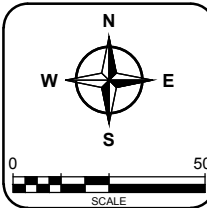
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OVERALL PROPOSED SITE PLAN

HOP HAUS BREWING  
SUPREME STRUCTURES

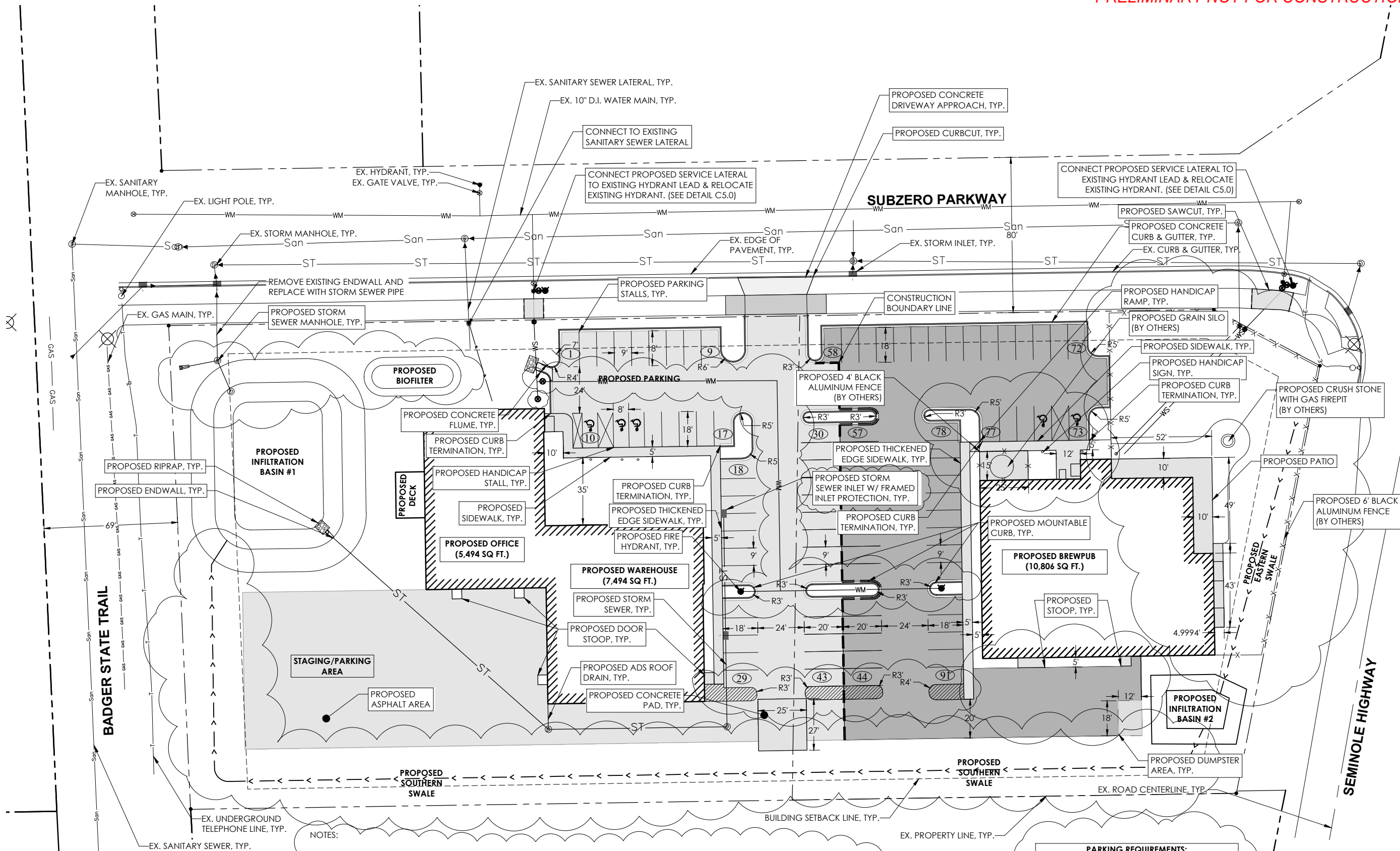
CITY OF FITCHBURG  
DANE COUNTY, WI

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C2.0



NOTES:

1. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
2. ALL GENERAL NOTES FOUND ON SHEET G1.1.
3. PER CITY ORDINANCE, CONTRACTORS ARE NOT ALLOWED TO OPERATE CITY OWNED VALVES. THE CONTRACTOR SHALL CALL THE FITCHBURG UTILITY AT 608-272-4270 FOR OPERATION OF THESE VALVES.
4. SAFE SAMPLE RESULTS NEED TO BE PROVIDED TO THE FITCHBURG UTILITY PRIOR TO PRESSURE TESTING THE PRIVATE WATER MAINS.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO THE CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE AT THE POINT OF CONNECTION.
6. WATER MAIN BETWEEN THE CITY'S MAIN UP TO AND INCLUDING PRIVATE HYDRANTS AND RELOCATION OF HYDRANTS SHALL BE INSTALLED PER THE LATEST EDITION OF THE CITY OF FITCHBURG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
7. CONTRACTOR WILL NEED A PERMIT TO EXCAVATE IN THE PUBLIC RIGHT OF WAY PRIOR TO PERFORMING ANY WORK WITHIN THE RIGHT OF WAY.
8. FITCHBURG PUBLIC WORKS SHALL BE CONTACTED A MINIMUM OF 48 HOURS PRIOR TO PERFORMING ANY WORK WITHIN THE RIGHT OF WAY.

PARKING REQUIREMENTS:

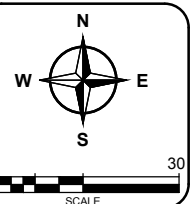
RACEWAY:  
OFFICE: 7,494 SQ. FT. - 25 STALLS  
WAREHOUSE: 5,726 SQ. FT. - 5 STALLS

BREW PUB:  
RESTAURANT: 3371 SQ. FT. - 20 STALLS  
EVENT AREA: 1200 SQ. FT. - 8 STALLS  
BREWERY: 3805 SQ. FT. - 6 STALLS  
OFFICE: 1120 SQ. FT. - 4 STALLS  
OTHER 1309 SQ. FT. - 8 STALLS  
76 STALLS REQUIRED  
91 STALLS AVAILABLE



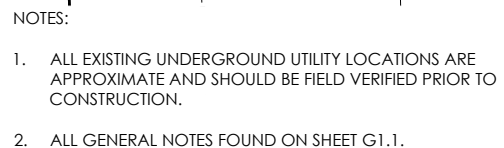
CITY OF FITCHBURG  
DANE COUNTY, WI

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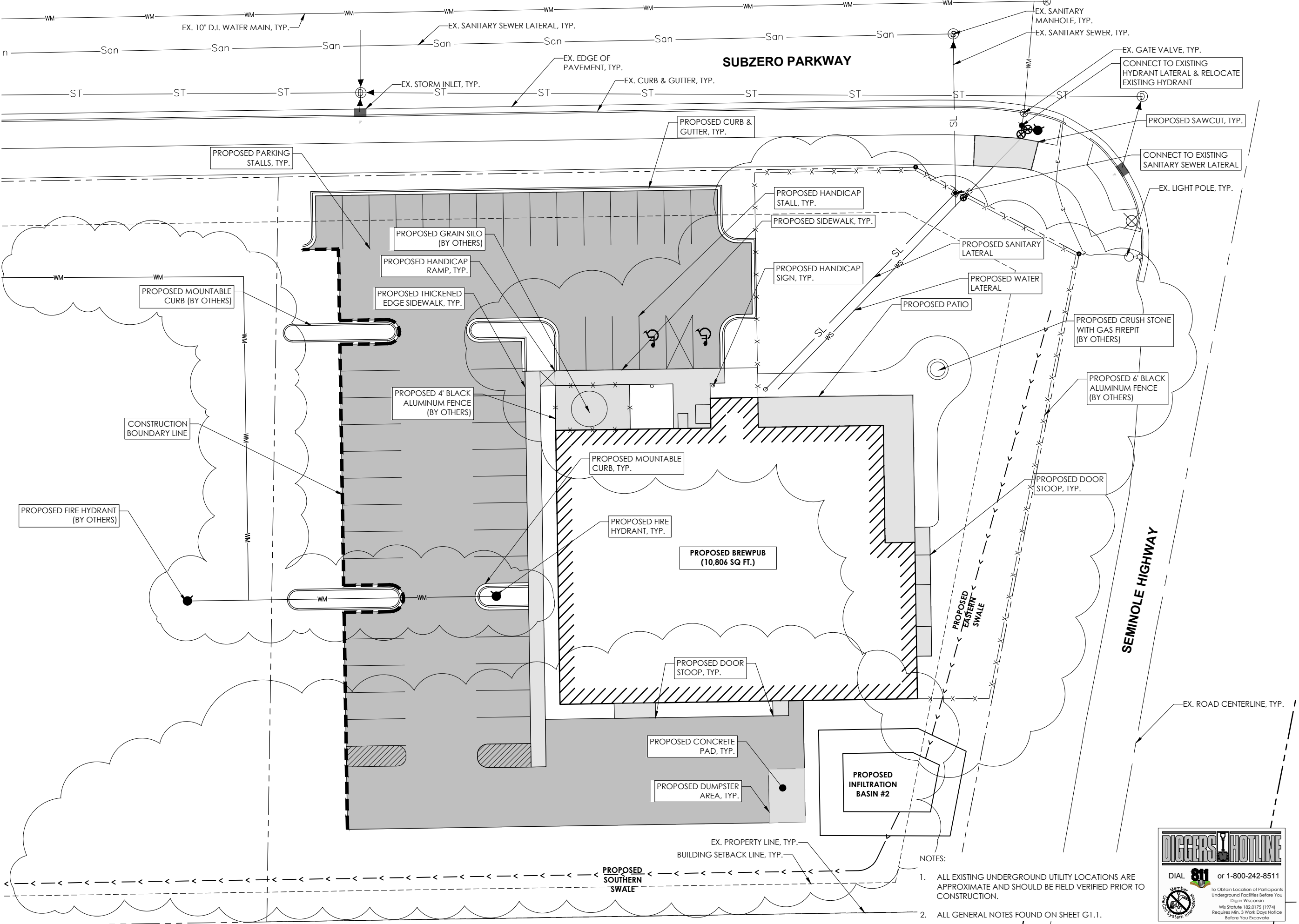


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## C2.1









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**PROPOSED SITE PLAN**  
**HOP HAUS BREWING**  
**SUPREME STRUCTURES**

CITY OF FITCHBURG  
DANE COUNTY, WI

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**DIGGERS HOTLINE**

DIAL 811 or 1-800-242-8511

To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin  
Wis Statute 182.0175 (1974)  
Requires Min. 3 Work Days Notice Before You Excavate



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**PROPOSED GRADING PLAN & E.C.**  
**HOP HAUS BREWING**  
**SUPREME STRUCTURES**

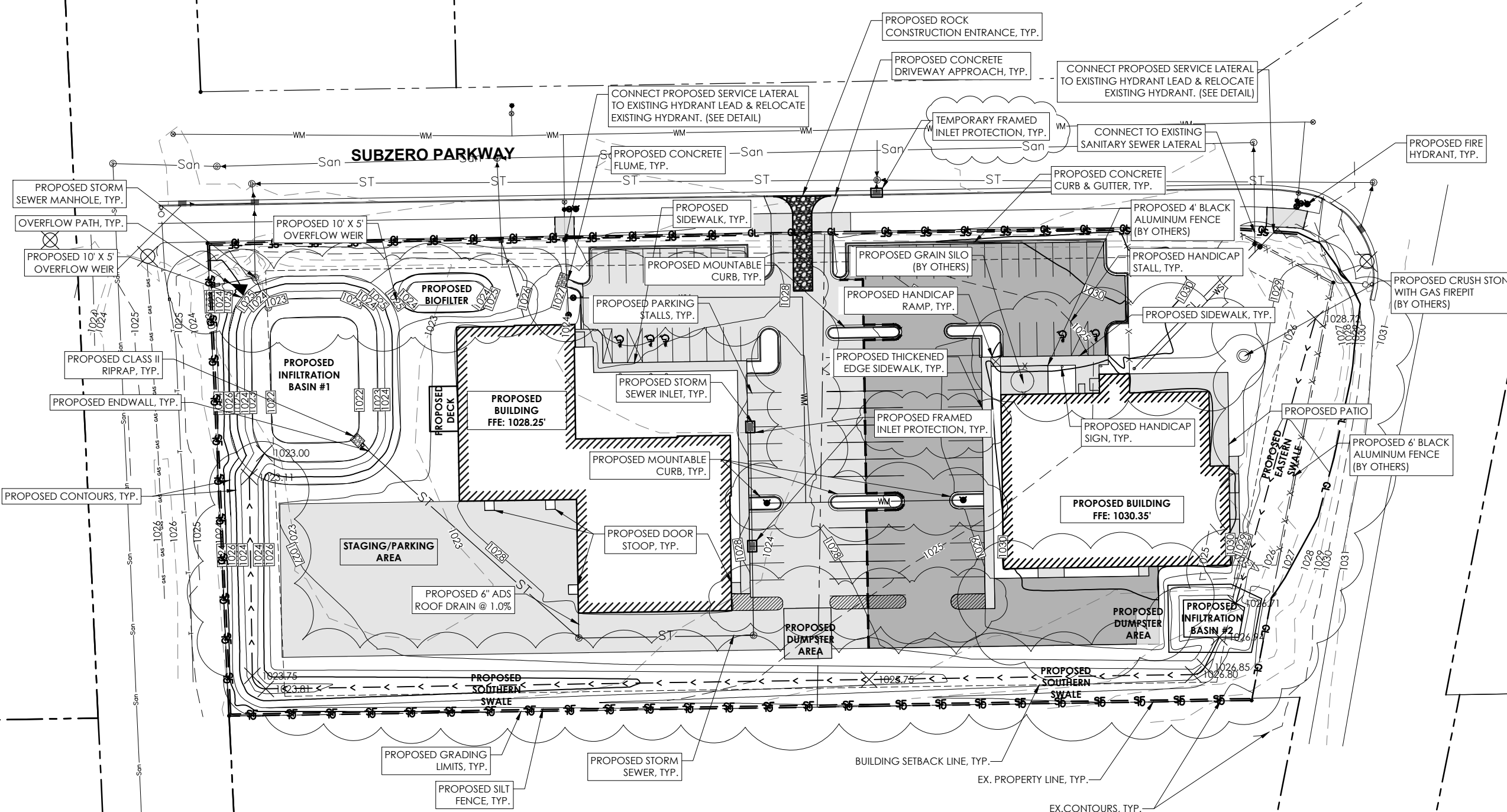
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- NOTES:
- ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
  - ALL GENERAL NOTES FOUND ON SHEET G1.1.
  - THE SITE SHALL BE COMPLETELY STABILIZED PRIOR TO THE CONSTRUCTION OF THE BIO FILTER, WET POND, AND INFILTRATION DEVICES. THE WET POND SHALL BE CONSTRUCTED PRIOR TO THE BIO FILTER AND SHALL ACT AS A SEDIMENT BASIN DURING CONSTRUCTION. ANY SEDIMENT FROM CONSTRUCTION RUNOFF DISTRIBUTED IN THESE AREAS SHALL BE REMOVED BEFORE THE ENGINEERED SOIL AND PLANTINGS ARE PLACED.



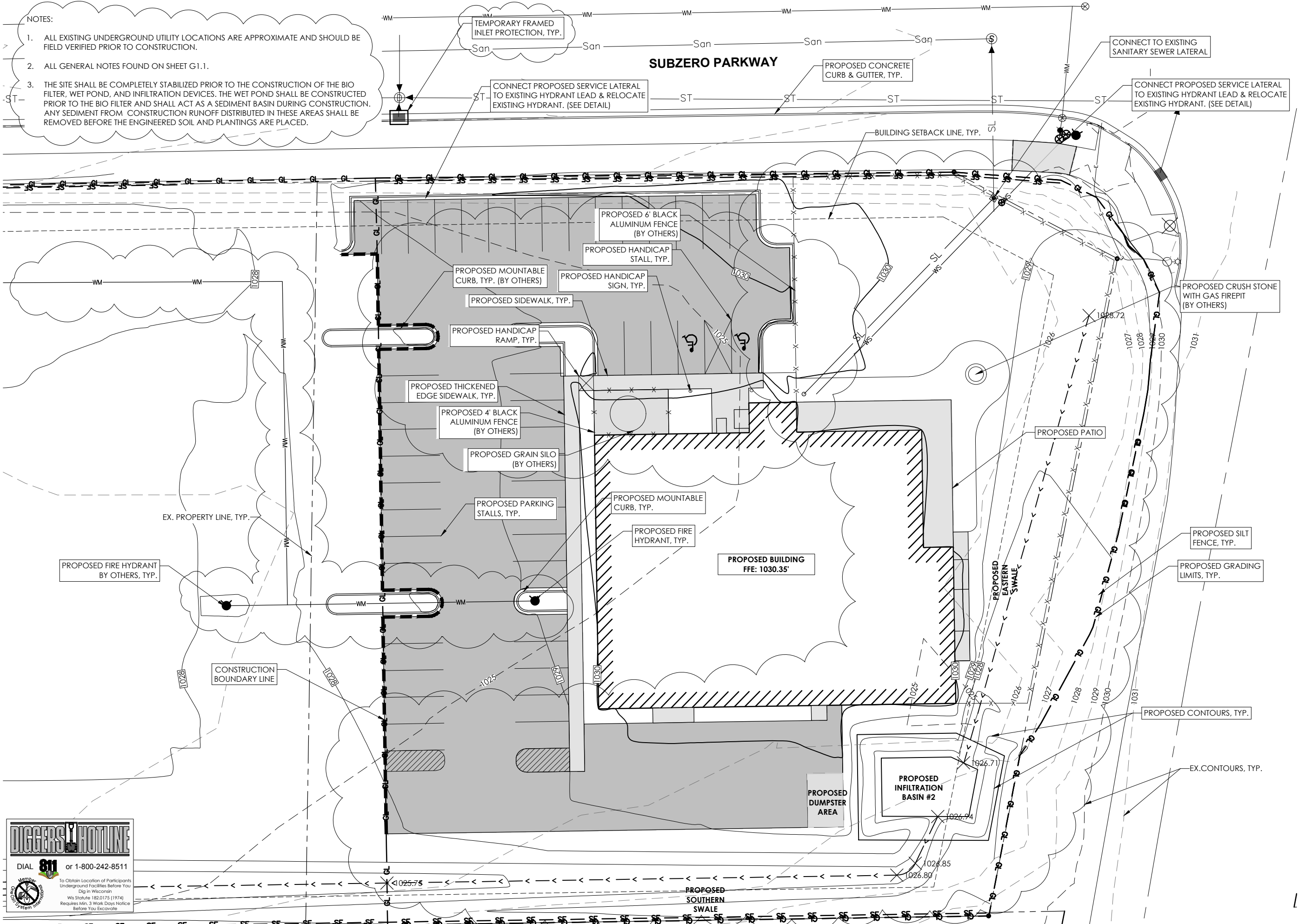
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**PROPOSED GRADING PLAN & E.C.**  
**HOP HAUS BREWING**  
**SUPREME STRUCTURES**

CITY OF FITCHBURG  
DANE COUNTY, WI

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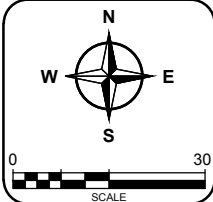
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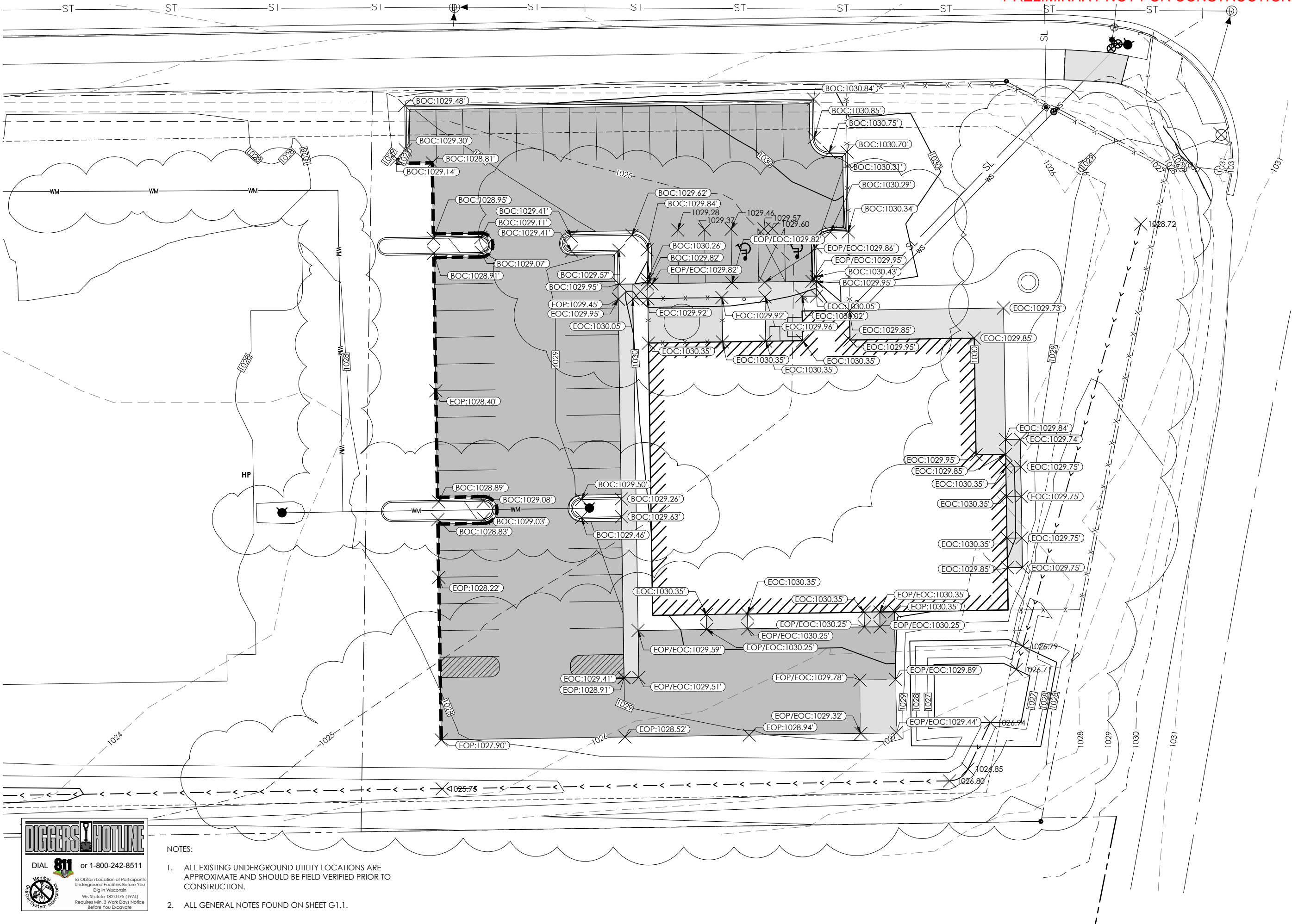
**PROPOSED SPOT ELEVATION PLAN  
HOP HAUS BREWING  
SUPREME STRUCTURES**

CITY OF FITCHBURG  
DANE COUNTY, WI

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REVISION	3	JLM	06/12/2019



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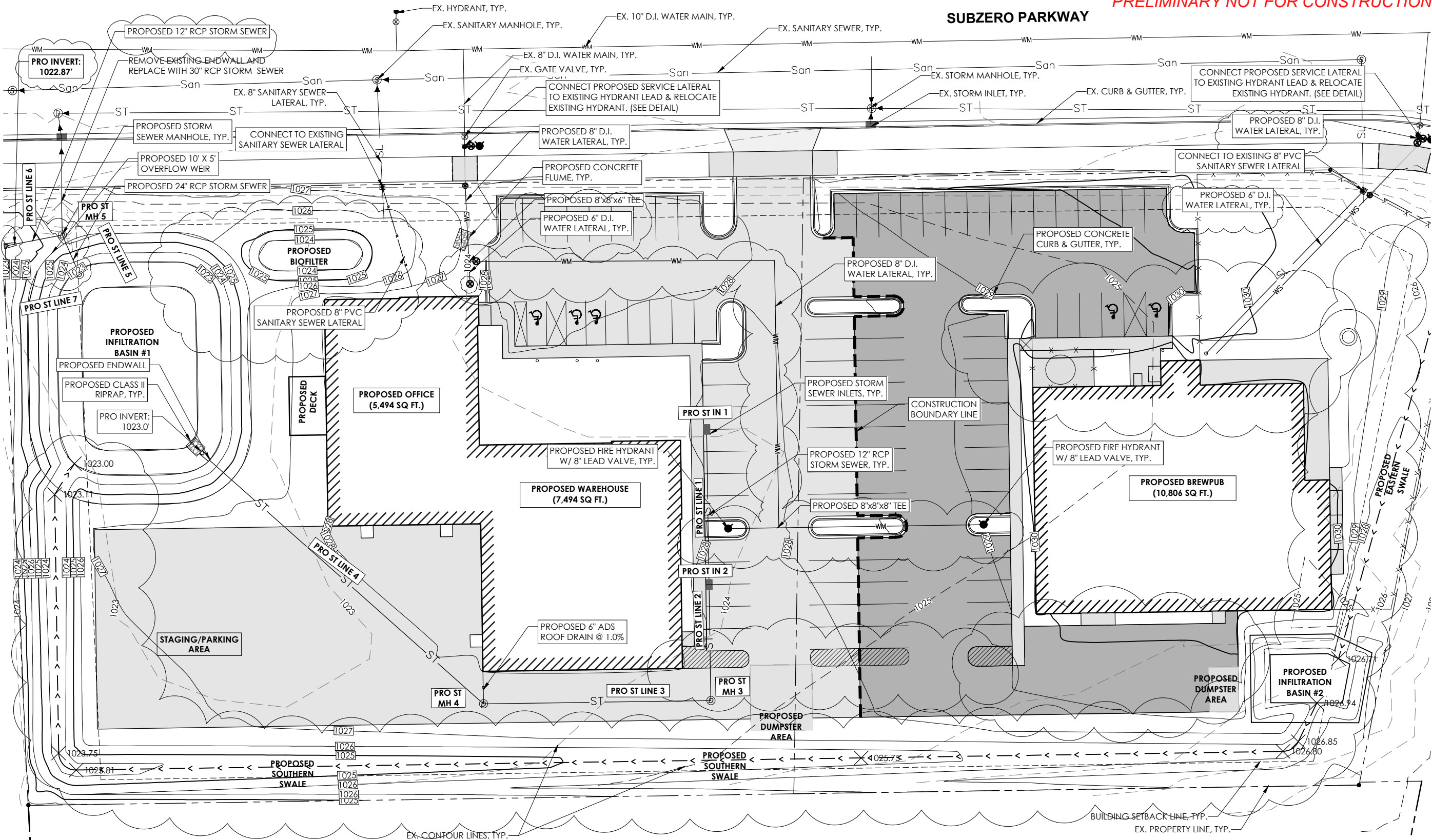


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DIAL 811 or 1-800-242-8511  
To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin  
Wis Statute 182.0175 (1974)  
Requires Min. 3 Work Days Notice Before You Excavate

- NOTES:
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SUBZERO PARKWAY





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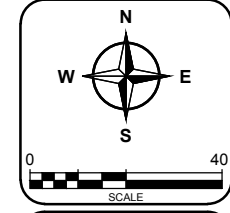
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**PROPOSED UTILITY PLAN  
HOP HAUS BREWING  
SUPREME STRUCTURES**

CITY OF FITCHBURG  
DANE COUNTY, WI

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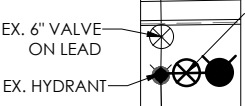


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EX. 6" VALVE ON LEAD  
EX. HYDRANT

DISCONNECT EX. HYDRANT AND KEEP FOR REINSTALLATION. INSTALL 6"x6"x6" TEE & NEW 6" VALVE, RECONNECT HYDRANT.

**1 WATER CONNECTION DETAIL**

SCALE: 1" = 20' (11x17)

<b>PRO LINE 1</b> 12" RCP SLOPE: 0.6% LENGTH: 63'	<b>PRO LINE 2</b> 15" RCP SLOPE: 0.55% LENGTH: 47'	<b>PRO LINE 3</b> 15" RCP SLOPE: 0.55% LENGTH: 92'	<b>PRO LINE 4</b> 15" RCP SLOPE: 0.55% LENGTH: 149'	<b>PRO LINE 5</b> 24" RCP SLOPE: 1.24% LENGTH: 17'	<b>PRO LINE 6</b> 24" RCP SLOPE: 2.31% LENGTH: 13'	<b>PRO LINE 7</b> 12" RCP SLOPE: 0.5% LENGTH: 24'
<b>PRO STM INL 1</b> 2X3 BOX GRATE: TYPE R TC: 1027.90' FL: 1027.40' 12" S INV: 1025.15' DEPTH: 2.8'±	<b>PRO STM INL 2</b> 2X3 BOX GRATE: TYPE R TC: 1027.90' FL: 1027.40' 12" S INV: 1024.84' 15" S INV: 1024.59' DEPTH: 3.1'±	<b>PRO STM MH 3</b> 36" ID MH GRATE: SOLID R-1556 RIM: 1027.48'± 15" N INV: 1024.33' 15" W INV: 1024.33' DEPTH: 3.2'±	<b>PRO STM MH 4</b> 36" ID MH GRATE: SOLID R-1556 RIM: 1027.62'± 15" NW INV: 1023.83' 15" E INV: 1023.83' DEPTH: 3.8'±	<b>PRO STM MH 5</b> 48" ID MH GRATE: SOLID R-1556 RIM: 1026.14'± 30" N INV: 1022.29' 24" SE INV: 1022.79' 12" W INV: 1022.75' DEPTH: 3.8'±		

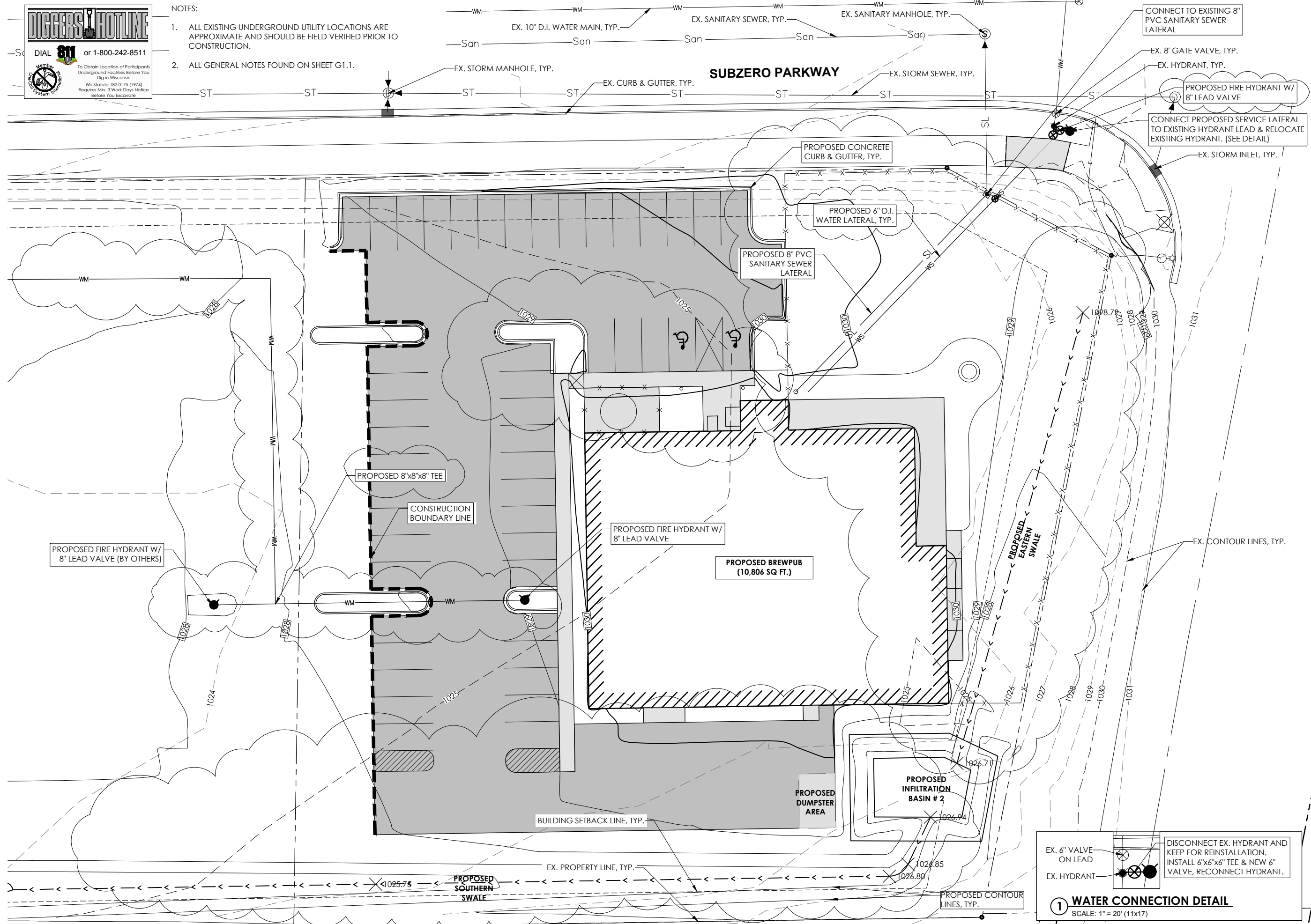
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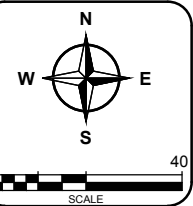
# PROPOSED UTILITY PLAN

## HOP HAUS BREWING

## SUPREME STRUCTURES

CITY OF FITCHBURG  
DANE COUNTY, WI

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## C5.1



CONSTRUCTION SITE EROSION CONTROL

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. FURNISHING, INSTALLING, MAINTAINING, AND REMOVING EROSION AND SEDIMENT CONTROL FACILITIES AND MEASURES.
- B. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EROSION CONTROL FACILITIES AND MEASURES NECESSARY TO CONTROL EROSION AND SEDIMENTATION AT THE WORK SITE. THESE FACILITIES AND MEASURES MAY OR MAY NOT BE SHOWN ON THE DRAWINGS AND THEIR ABSENCE ON THE DRAWINGS DOES NOT ALLEVIATE THE CONTRACTOR FROM PROVIDING THEM. ANY MEASURES AND FACILITIES SHOWN ON THE DRAWINGS ARE THE MINIMUM ACTIONS REQUIRED.

1.02 REFERENCES

- A. WDNR TECHNICAL STANDARDS - SEE DNR WEBSITE @ <http://dnr.state.wi.us/org/water/wm/nps/stormwater/techstds.htm>
- B. WISCONSIN DEPARTMENT OF TRANSPORTATION, EROSION CONTROL, PRODUCT ACCEPTABILITY LISTS FOR MULTI-MODAL APPLICATIONS PAL, CURRENT EDITION.

1.03 GENERAL

- A. REQUIREMENTS OF WDNR TECHNICAL STANDARDS SHALL BE FOLLOWED AT ALL TIMES.
- B. USE SURFACE WATER AND EROSION CONTROL FACILITIES AND MEASURES THROUGHOUT THE DURATION OF THE CONSTRUCTION ACTIVITY TO CONTROL THE MOVEMENT OF SURFACE WATER AND TO REDUCE THE POTENTIAL FOR EROSION. MAINTAIN THE FACILITIES AND MEASURES UNTIL PERMANENT VEGETATION IS ESTABLISHED.
- C. ERODED SOIL MATERIAL SHALL NOT BE ALLOWED TO LEAVE THE CONSTRUCTION SITE OR TO ENTER A WATERWAY, LAKE, OR WETLAND.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, AND MAINTAINING THE EROSION CONTROL FACILITIES, AND IN GENERAL, SHALL USE CONSTRUCTION PRACTICES THAT MINIMIZE EROSION.
- E. ERODED MATERIAL THAT HAS LEFT THE CONSTRUCTION SITE SHALL BE COLLECTED AND RETURNED TO THE SITE BY THE CONTRACTOR.
- F. PREVENT CONSTRUCTION SITE TRACKING WITH GRAVELED ROADS, ACCESS DRIVES, AND PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC AND PRIVATE ROADWAYS. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH WORKDAY.

1.04 SEQUENCING AND SCHEDULING

- A. CONSTRUCT AND STABILIZE EROSION CONTROL MEASURES FOR DIVERSIONS OR OUTLETS PRIOR TO ANY GRADING OR DISTURBANCE OF THE CONSTRUCTION SITE.
- B. INSTALL FILTER FABRIC AND STRAW BALE FENCES AND BARRIERS PRIOR TO DISTURBING THE AREA.
- C. TURF AREAS THAT HAVE BEEN COMPLETED TO FINISH GRADE SHALL BE STABILIZED WITH PERMANENT SEEDING WITHIN SEVEN DAYS. TURF AREAS WHERE ACTIVITY HAS CEASED AND THAT WILL REMAIN EXPOSED FOR MORE THAN 20 DAYS BEFORE ACTIVITY RESUMES AND SOIL STOCKPILES SHALL BE STABILIZED WITH TEMPORARY SEEDING OR SOIL STABILIZER.
- D. OTHER EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO DISTURBANCE OF THE CONSTRUCTION SITE, AS APPLICABLE.

PART 2 - PRODUCTS

2.01 SILT FENCE

- FABRIC SHALL BE SHALL A WOVEN OR NONWOVEN POLYESTER, POLYPROPYLENE, STABILIZED NYLON, OR POLYETHYLENE GEOTEXTILE WITH THE FOLLOWING MINIMUM PROPERTIES:

PROPERTY	TEST METHOD	REQUIREMENT*
GRAB TENSILE STRENGTH, LBS MIN. MACHINE DIRECTION	ASTM D 4632	120
CROSS DIRECTION		100
MAX. APPARENT OPENING SIZE, US SIEVE	ASTM D 4751	NO. 30
PERMITTIVITY, SEC-1, MIN.	ASTM D 4491	0.05
MIN. UV STABILITY AT 500 HRS, %	ASTM D 4355	70%

* MINIMUM OR MAXIMUM AVERAGE ROLL VALUES.

2.02 STRAW BALES

- A. STRAW OR HAY BALES IN GOOD CONDITION WITH NOMINAL DIMENSIONS OF 14" W x 18"H x 30"L.
- B. STAKES: WOOD STAKES WITH MINIMUM DIMENSION OF 2" x 2" x 30".

2.03 SEDIMENT LOGS

- A. WOOD EXCELSIOR LOG WRAPPED IN BIODEGRADABLE FABRIC OR MESH AND LISTED IN THE EROSION CONTROL PRODUCT ACCEPTABILITY LISTS.
- B. STAKES: WOOD STAKES WITH MINIMUM DIMENSION OF 1" x 1" x 24".

2.04 TEMPORARY SEED

- A. AREAS NEEDING PROTECTION DURING PERIODS WHEN PERMANENT SEEDING IS NOT APPLIED SHALL BE SEEDED WITH ANNUAL SPECIES FOR TEMPORARY PROTECTION. PROVIDE SPECIES AS FOLLOWS:

SPECIES	% PURITY
OATS	98
CEREAL RYE	97
WINTER WHEAT	95
ANNUAL RYEGRASS	97

- B. PROVIDE OATS FOR SPRING AND SUMMER. PROVIDE CEREAL RYE, WINTER WHEAT, OR ANNUAL RYEGRASS FOR FALL SEEDING.

2.05 EROSION MAT

- A. ALL EROSION MAT PRODUCTS SHALL BE OF THE CLASS AND TYPE INDICATED AND SHALL BE CHOSEN FROM THE EROSION CONTROL PRODUCT ACCEPTABILITY LISTS.
- B. CLASS I: A SHORT-TERM DURATION [SIX MONTHS OR GREATER], LIGHT DUTY, ORGANIC MAT. NETTING SHALL BE ORGANIC, PHOTODEGRADABLE PLASTIC OR BIODEGRADABLE NETTING. THE WEIGHT OF THE NETTING SHALL NOT EXCEED 15% OF THE TOTAL BLANKET WEIGHT. THE NETTING SHALL BE SUFFICIENTLY BONDED TO THE PARENT MATERIAL TO PREVENT SEPARATION FOR THE LIFE OF THE PRODUCT.
- TYPE A: A NETTED PRODUCT FOR USE ON SLOPES 2.5 TO 1 OR FLATTER WITH A MINIMUM PRODUCT PERMISSIBLE SHEAR STRESS OF 50 PA (1.0 LBS/FT2). NOT TO BE USED IN CHANNELS.
  - TYPE B: A DOUBLE NETTED PRODUCT FOR USE ON SLOPES 2 TO 1 OR FLATTER OR IN CHANNELS WITH A MINIMUM PRODUCT PERMISSIBLE SHEAR STRESS OF 70 PA (1.5 LBS/FT2).
- C. CLASS II: A LONG-TERM DURATION (3 YEARS OR GREATER), ORGANIC MAT. THE WEIGHT OF THE NETTING SHALL NOT EXCEED 15% OF THE TOTAL BLANKET WEIGHT. THE NETTING SHALL BE BONDED SUFFICIENTLY TO THE PARENT MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL FOR THE LIFE OF THE PRODUCT.
- TYPE A: JUTE FIBER ONLY TO BE USED FOR REINFORCING SOD.
  - TYPE B: FOR USE ON SLOPES 2:1 OR FLATTER, OR IN CHANNELS WITH A MINIMUM PRODUCT PERMISSIBLE SHEAR STRESS OF 95 PA (2.0 LBS/FT2). NON-ORGANIC, PHOTODEGRADABLE, OR BIODEGRADABLE NETTING ALLOWED.
  - TYPE C: FOR USE ON SLOPES 2:1 OR FLATTER, OR IN CHANNELS WITH A MINIMUM PRODUCT PERMISSIBLE SHEAR STRESS OF 95 PA (2.0 LBS/FT2). ONLY 100% ORGANIC FIBERS ALLOWED. WOVEN MATS ARE ALLOWED WITH A MAXIMUM OPENING OF ½ INCH. USE IN ENVIRONMENTALLY SENSITIVE AREAS THAT HAVE A HIGH PROBABILITY OF ENTRAPPING ANIMALS IN THE PLASTIC NETTING.
- D. STAPLES: U-SHAPED NO. 11 GAUGE OR GREATER WIRE WITH A SPAN WIDTH OF ONE TO TWO INCHES AND A LENGTH OF NOT LESS THAN 6 INCHES FOR FIRM SOIL AND 12 INCHES FOR LOOSE SOIL.

2.06 SOIL STABILIZER

- A. SOIL STABILIZER SHALL BE A POLYACRYLAMIDE (PAM) AND CALCIUM SOLUTION INTENDED TO REDUCE THE ERODIBILITY OF BARE SOILS. THE PRODUCT SHALL ACHIEVE AN 80% REDUCTION IN SOIL LOSS INDUCED BY A TWO INCH PER HOUR RAINFALL SIMULATOR.
- B. PAM MIXTURES SHALL BE ENVIRONMENTALLY BENIGN, HARMLESS TO FISH, AQUATIC ORGANISMS, WILDLIFE, AND PLANTS. ONLY ANIONIC PAM WILL BE PERMITTED.
- C. ANIONIC PAM, IN PURE FORM SHALL HAVE NO MORE THAN 0.05% FREE ACRYLIC MONOMER BY WEIGHT, AS ESTABLISHED BY THE FOOD AND DRUG ADMINISTRATION AND THE ENVIRONMENTAL PROTECTION AGENCY. THE ANIONIC PAM IN PURE FORM SHALL NOT EXCEED 200 POUNDS PER BATCH.
- D. THE PRODUCT PROVIDED SHALL BE LISTED IN THE WISDOT PAL FOR TYPE B SOIL STABILIZER.

2.07 INLET PROTECTION

- A. TYPE A: USE AROUND FIELD INLETS UNTIL PERMANENT STABILIZATION METHODS HAVE BEEN ESTABLISHED. USE ON PAVEMENT INLETS PRIOR TO INSTALLATION OF CURB AND GUTTER OR PAVEMENT.
- B. TYPE B: USE ON INLETS WITHOUT CURB HEAD AFTER CASTING AND GRATE ARE IN PLACE.
- C. TYPE C: USE ON STREET INLETS WITH CURB HEAD.
- D. TYPE D: USE IN AREAS WHERE OTHER TYPED OF INLET PROTECTION ARE INCOMPATIBLE WITH ROADWAY AND TRAFFIC CONDITIONS CAUSING POSSIBLE SAFETY HAZARDS WHEN PONDING OCCURS AT INLET.
- E. GEOTEXTILE: TYPE FF MEETING THE REQUIREMENTS OF THE LATEST EDITION OF WISDOT PAL.

PART 3 - EXECUTION

3.01 INSTALLATION OF DIVERSIONS

- A. TEMPORARY DIVERSIONS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH WDNR CONSERVATION PRACTICE STANDARD, CONSTRUCTION SITE DIVERSION (1066).

3.02 INSTALLATION OF SILT FENCE AND STRAW BALE BARRIERS

- A. INSTALL STRAW BALE BARRIERS IN ACCORDANCE WITH THE DRAWINGS AND WDNR CONSERVATION PRACTICE STANDARD, SEDIMENT BALE BARRIER (1055).
- B. INSTALL SILT FENCE IN ACCORDANCE WITH THE DRAWINGS AND WDNR CONSERVATION PRACTICE STANDARD, SILT FENCE (1056).
- C. SILT FENCE AND STRAW BALE BARRIERS SHALL BE PLACED ON THE CONTOUR TO THE EXTENT PRACTICABLE. PLACE FENCES PARALLEL TO THE SLOPE WITH THE ENDS OF THE FENCE TURNED UPSLOPE A DISTANCE OF ONE TO TWO FEET. THE PARALLEL SPACING SHALL NOT EXCEED THE MAXIMUM SLOPE LENGTHS AS INDICATED IN THE FOLLOWING TABLE:

FENCE AND BARRIER SPACING	
SLOPE	SPACING
<2%	100'
2 - 5%	75'
5 - 10%	50'
10 - 33%	25'
>33%	20'

3.03 TEMPORARY SEEDING

- A. PROVIDE A SEEDBED OF LOOSE SOIL TO A MINIMUM DEPTH OF 2 INCHES.
- B. APPLY SEED EVENLY AT THE RATE SHOWN IN THE FOLLOWING TABLE. RAKE OR DRAG TO COVER THE SEED TO A DEPTH OF 1/4 INCH.

SPECIES	LBS./ACRE
OATS	131
CEREAL RYE	131
WINTER WHEAT	131
ANNUAL RYEGRASS	80

3.04 EROSION MAT INSTALLATION

- A. REMOVE STONES, CLODS, STICKS, OR OTHER FOREIGN MATERIAL THAT WOULD DAMAGE THE MAT OR INTERFERE WITH THE MAT BEARING COMPLETELY ON THE SURFACE.
- B. INSTALL EROSION MAT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- C. AFTER SEEDING HAS BEEN COMPLETED, ROLL BLANKETS OUT PARALLEL TO THE DIRECTION OF WATER FLOW, WITH THE NETTING ON TOP. SPREAD THE BLANKETS WITHOUT STRETCHING, MAKING SURE THE FIBERS ARE IN CONTACT WITH THE SOIL. OVERLAP ADJACENT STRIPS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. OVERLAP STRIP ENDS A MINIMUM OF 10 INCHES WITH THE UPGRADE STRIP ON TOP. BURY THE UPGRADE END OF EACH STRIP IN A VERTICAL TRENCH AT LEAST 6 INCHES DEEP.
- D. STAPLE THE MAT STRIPS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. STAPLE LONGITUDINAL OVERLAPS AND OUTER EDGES AT MAXIMUM INTERVALS OF 3 FEET. STAPLE STRIP ENDS AT MAXIMUM INTERVALS OF 16 INCHES. PLACE STAPLES THROUGHOUT THE MAT AT MAXIMUM 3-FOOT INTERVALS. INSERT STAPLES FLUSH WITH THE GROUND SURFACE.

3.05 SOIL STABILIZER

- A. THE MANUFACTURER SHALL PROVIDE DETAILED WRITTEN INSTRUCTIONS ON THE STORAGE, MIXING, AND APPLICATION PROCEDURES.
- B. THE SOIL STABILIZER MAY BE APPLIED BY SPRAYING OR BY DRY SPREADING.
- C. APPLICATION RATES: APPLY AT THE RATE RECOMMENDED BY THE MANUFACTURER.
- D. DO NOT APPLY WITHIN 30 FEET OF BODY OF WATER (I.E. LAKE, RIVER, STORMWATER POND).

3.06 DITCH EROSION CONTROL

- A. THE FOLLOWING EROSION CONTROL MEASURES ARE MINIMUM REQUIREMENTS FOR ALL DITCHES. THE DRAWINGS MAY INCLUDE MORE SPECIFIC MEASURES.

DITCH EROSION CONTROL		
SLOPE RANGE	METHOD	BALE CHECKS
0 - 1%	SEED AND MULCH	NONE
1% - 4%	SEED AND MULCH WITH EROSION MAT	1% - 2%; EVERY 200'
4% - 6%	STAKED SOD	2% - 4%; EVERY 100'
>6%	STAKED SOD AND/OR RIPRAP AS SPECIFIED BY ENGINEER ON DRAWINGS	EVERY 75' FOR SOD

- B. STONE DITCH CHECKS: UNLESS OTHERWISE INDICATED ON THE DRAWINGS, INSTALL STONE DITCH CHECKS AT INTERVALS OF ONE DITCH CHECK FOR EVERY TWO FEET OF DROP IN CHANNEL GRADE.

3.07 INSTALLATION OF SOD IN DITCHES

- A. LAY SOD SO THAT JOINTS OF ABUTTING ENDS OF STRIPS ARE NOT CONTINUOUS. LAY EACH STRIP SNUGLY AGAINST PREVIOUSLY LAID STRIPS.
- B. ROLL OR FIRMLY TAMP SOD TO PRESS THE SOD INTO THE UNDERLYING SOIL.
- C. TURN THE UPPER EDGES OF THE STRIPS INTO THE SOIL.
- D. STAKE STRIPS ALONG THE LONGITUDINAL AXIS AT 18-INCH INTERVALS AND NEAR THE TOP EDGE OF THE STRIP. PROVIDE WOOD LATH OR SIMILAR STAKES, 12 INCHES LONG. LEAVE TOP OF STAKE APPROXIMATELY 1/2 INCH ABOVE SOD SURFACE.

3.08 INSTALLATION OF OTHER FACILITIES

- A. INLET PROTECTION BARRIERS, CHANNEL STABILIZATION, GRASSED WATERWAYS, ROCK LINED WATERWAYS, SEDIMENTS TRAPS, SEDIMENT BASINS, AND OTHER FORMS OF EROSION CONTROL MEASURES SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS.

3.09 MAINTENANCE

- A. INSPECT DIVERSIONS WITHIN 24 HOURS AFTER EACH RAINFALL OR DAILY DURING PERIODS OF PROLONGED RAINFALL, UNTIL THE VEGETATIVE COVER IS STABILIZED. MAKE NECESSARY REPAIRS IMMEDIATELY.
- B. INSPECT FILTER FABRIC FENCES AND BARRIERS WITHIN 24 HOURS AFTER EACH RAINFALL OR DAILY DURING PERIODS OF PROLONGED RAINFALL. NECESSARY REPAIRS OR REPLACEMENT SHALL BE MADE IMMEDIATELY. REMOVE SEDIMENT DEPOSITS WHEN DEPOSITS REACH ONE-HALF THE HEIGHT OF THE FENCE. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR REPLACING FABRIC DUE TO WEATHERING.
- C. INSPECT STRAW BALE FENCES AND BARRIERS WITHIN 24 HOURS AFTER EACH RAINFALL OR DAILY DURING PERIODS OF PROLONGED RAINFALL. NECESSARY REPAIRS OR REPLACEMENT SHALL BE MADE IMMEDIATELY. REMOVE SEDIMENT DEPOSITS WHEN DEPOSITS REACH ONE-THIRD THE HEIGHT OF THE BALES. REPLACE BALES AFTER THREE MONTHS.
- D. INSPECT ALL SEEDING, SOD, MULCHES, MATS AND NETS WITHIN 24 HOURS AFTER EACH RAINFALL OR DAILY DURING PERIODS OF PROLONGED RAINFALL. ADDITIONAL MULCH, NETTING OR MATTING SHALL BE APPLIED IMMEDIATELY WHEN NECESSARY TO MAINTAIN SUITABLE COVERAGE. MAKE INSPECTIONS UNTIL VEGETATIVE COVER IS ESTABLISHED. WATER SEEDING AND SOD WHEN NECESSARY TO PROMOTE ESTABLISHMENT.
- E. ALL OTHER SOIL EROSION CONTROL MEASURES SHOULD BE INSPECTED AND REPAIRED IMMEDIATELY, IF REQUIRED, WITHIN 24 HOURS AFTER STORM EVENT OR DAILY DURING PERIODS OF PROLONGED RAINFALL.

3.10 REMOVAL

- A. AFTER FINAL VEGETATION IS ESTABLISHED, REMOVE BALES, SILT FENCES, DITCH CHECKS, DIVERSIONS, AND OTHER EROSION CONTROL FACILITIES. RESTORE AREAS DISTURBED BY THE REMOVALS.

3.11 MONITORING FOR WPDES PERMIT

- A. UNLESS INDICATED OTHERWISE WITHIN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MONITORING REQUIREMENTS OF THE WPDES PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- B. EROSION AND SEDIMENT CONTROLS SHALL BE ROUTINELY INSPECTED AT LEAST EVERY SEVEN DAYS, AND WITHIN 24 HOURS AFTER A PRECIPITATION EVENT OF 0.5 INCHES OR GREATER. WEEKLY WRITTEN REPORTS OF ALL INSPECTIONS SHALL BE MAINTAINED AND SUBMITTED TO THE ENGINEER. THE REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION:
- DATE, TIME, AND EXACT PLACE OF INSPECTION.
  - NAME(S) OF INDIVIDUAL(S) PERFORMING 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 SITES PRESENT PHASE OF CONSTRUCTION.
- C. THE ENGINEER WILL PROVIDE THE CONTRACTOR WITH THE APPROPRIATE DNR FORM TO USE FOR THE INSPECTIONS.



General Engineering Company

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EROSION CONTROL SPECIFICATIONS  
HOP HAUS BREWING  
SUPREME STRUCTURES

CITY OF FITCHBURG  
DANE COUNTY, WI

DATE									
BY									
NO.									
REVISIONS									

AS NOTED

SCALE

DRAWN BY	JLM
REVIEWED BY	BRB
ISSUE DATE	APRIL 23, 2019
GEC FILE NO.	2-1118-526
SHEET NO.	

C6.0



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EROSION CONTROL DETAILS  
HOP HAUS BREWING  
SUPREME STRUCTURES

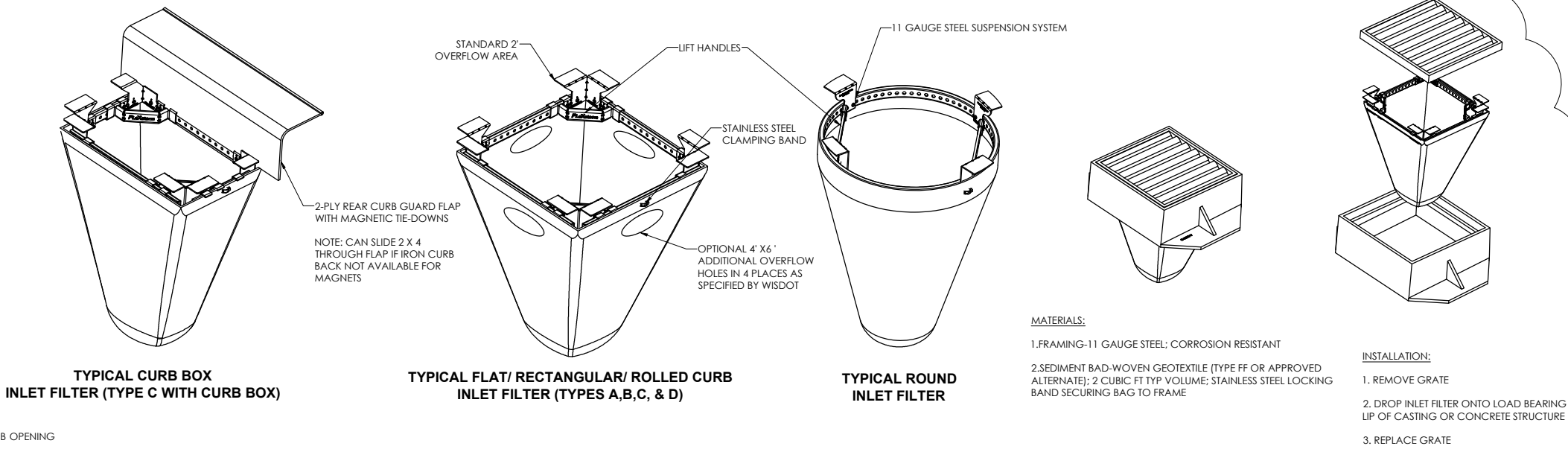
CITY OF FITCHBURG  
DANE COUNTY, WI

REVISIONS	NO.	BY	DATE
REVISION	2	JLM	06/07/2019

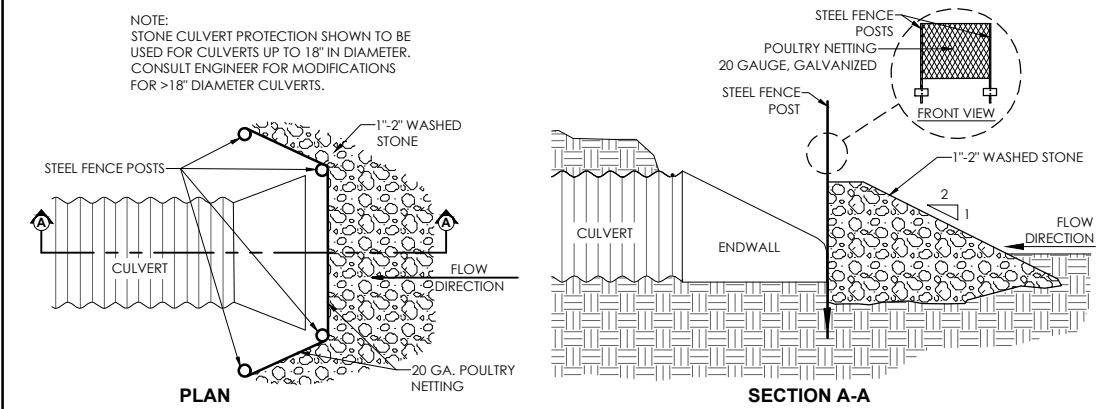
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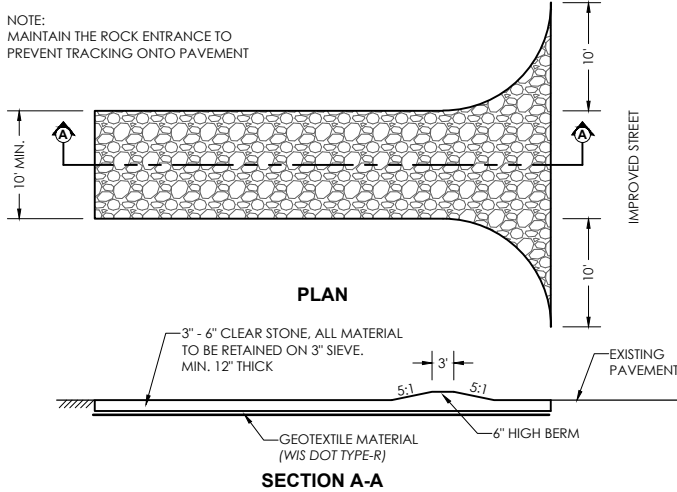
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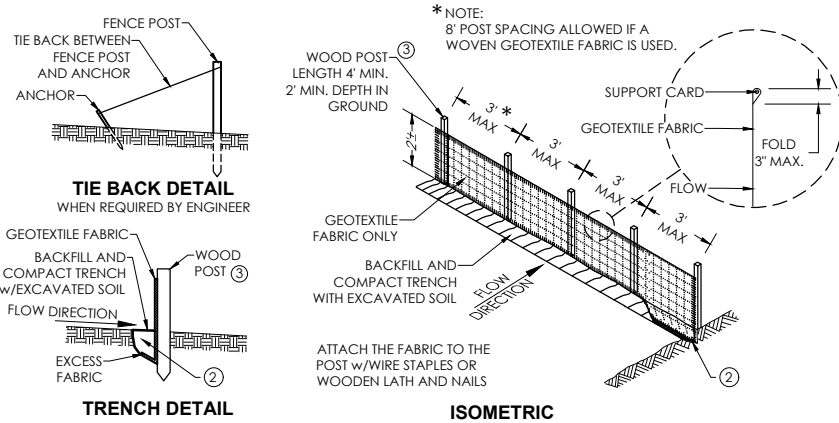
INLET PROTECTION



STONE CULVERT PROTECTION



ROCK CONSTRUCTION ENTRANCE



- NOTES:
- HORIZONTAL BRACE WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POST AS DIRECTED BY THE ENGINEER.
  - 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 AND COMPACT TRENCH WITH EXCAVATED SOIL.
  - WOOD POST SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.

SILT FENCE





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WATER MAIN CONSTRUCTION DETAILS  
HOP HAUS BREWING  
SUPREME STRUCTURES

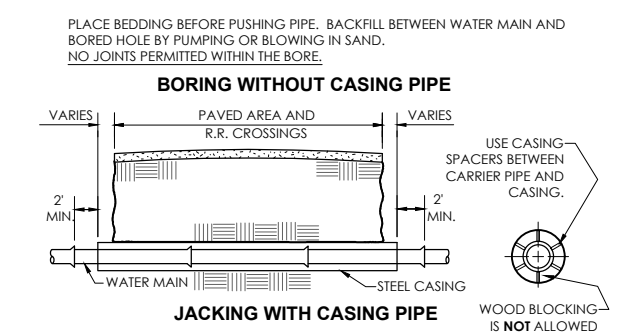
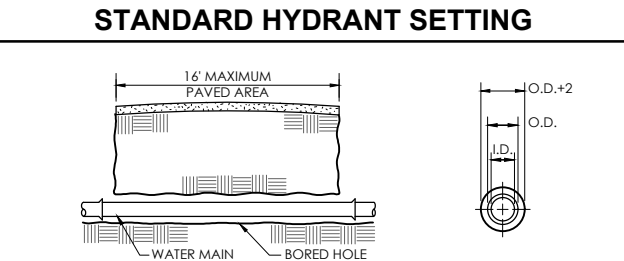
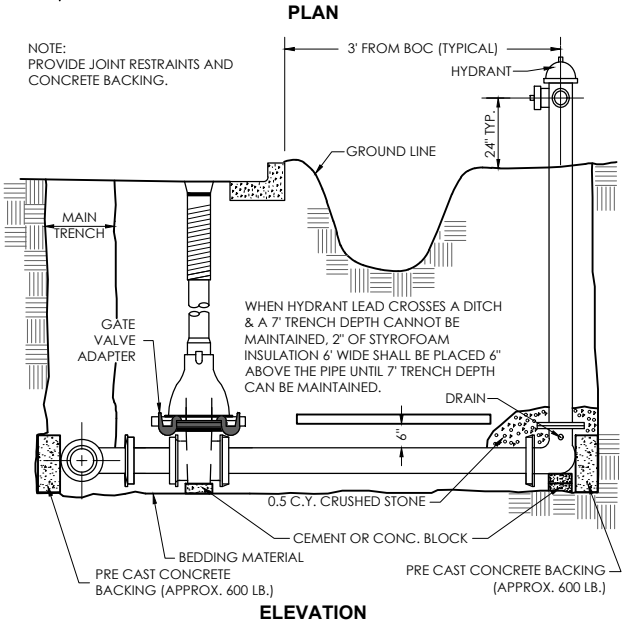
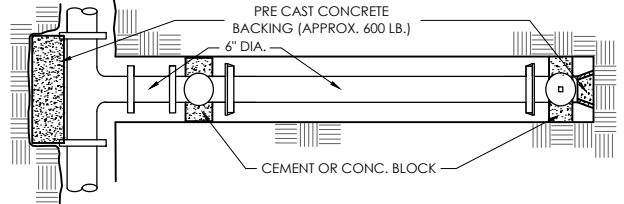
CITY OF FITCHBURG  
DANE COUNTY, WI

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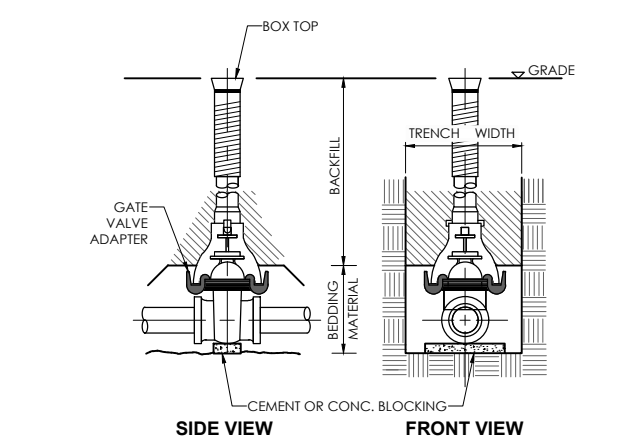


STEEL CASING PIPE ASTM A-53 GRADE B 35,000 PSI MIN.			
SIZE W.M.	CASING MIN. WALL	CASING MIN. DIA.	NOTE
6"	0.312	18"	12" THICK CONCRETE OR BRICK BULKHEADS REQ'D ONLY IN R.R. CROSSING OTHERWISE USE CASING END SEALS.
8"	0.312	18"	
12"	0.375	24"	
16"	0.500	30"	
20"	0.500	36"	
24"	0.562	48"	

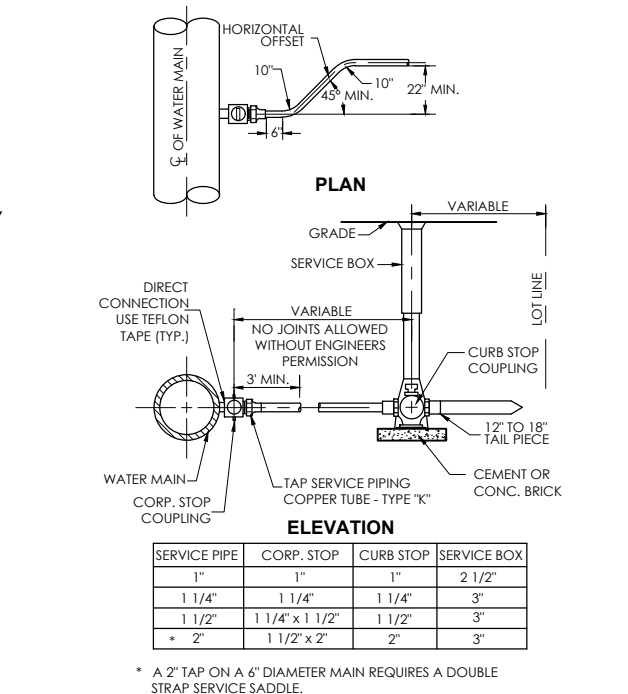
BORING OR JACKING w/CASING PIPE

- NOTES:
- SERVICE TAPS IN ALL WATER MAIN PIPE SHALL BE MADE WITH 2 WRAPS OF 3 MIL. TEFLON TAPE ON CORPORATION STOP THREADS.
  - WHEN MORE THAN ONE TAP IN THE MAIN IS NECESSARY TO DELIVER THE REQUIRED FLOW FOR SERVICE LINES, THEY SHOULD BE STAGGERED AROUND THE CIRCUMFERENCE A MINIMUM OF 12" APART.

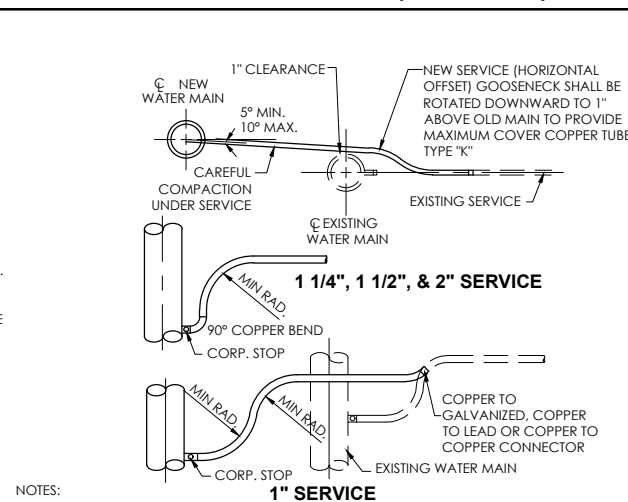
GENERAL NOTES



STANDARD GATE VALVE BOX SETTING

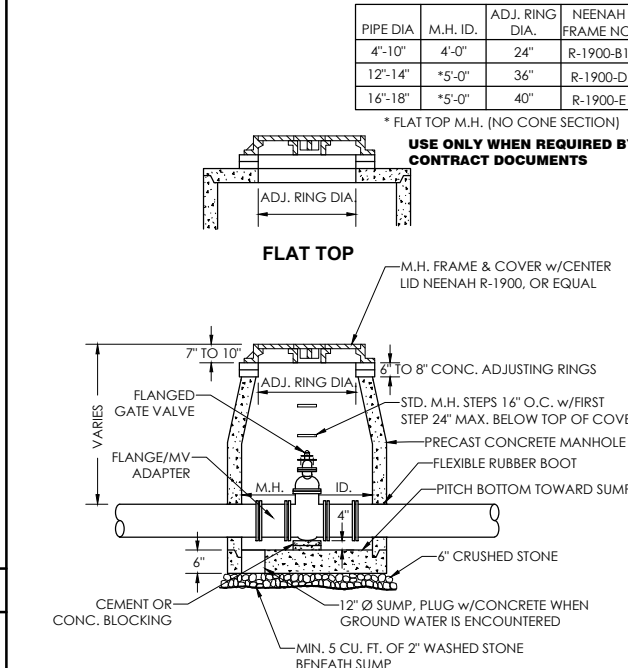


TAP SERVICE PIPING ( COPPER )

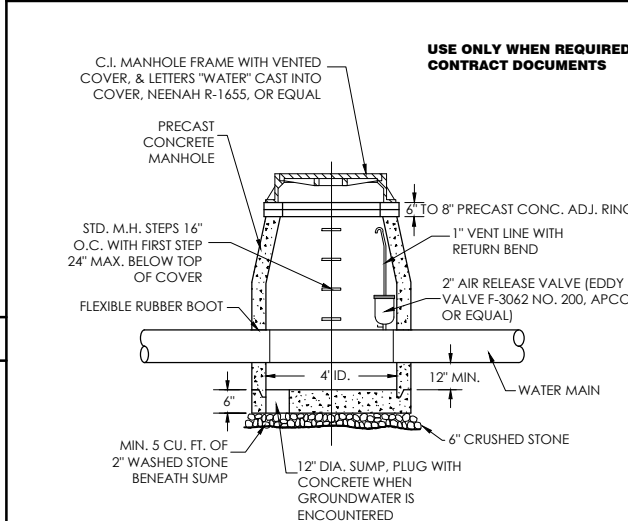


- NOTES:
- WATER SERVICE MAY BE INSTALLED UNDER EXISTING WATER MAIN.
  - IF 6" MIN. COVER IS NOT AVAILABLE, THE NEW INSTALLATION SHALL BE INSULATED.
  - CONNECTIONS SHALL BE TESTED FOR LEAKAGE PRIOR TO BACKFILL AFTER SUPPORT HAS BEEN COMPACTED.
  - PIPE SIZE MIN. RADII ARE AS FOLLOWS:  
1"=6", 1 1/2"=8", 1 1/2"=10", 2"=12"
  - TAP AND SERVICE SHALL BE SAME SIZE AS EXISTING W/MIN. OF 1"

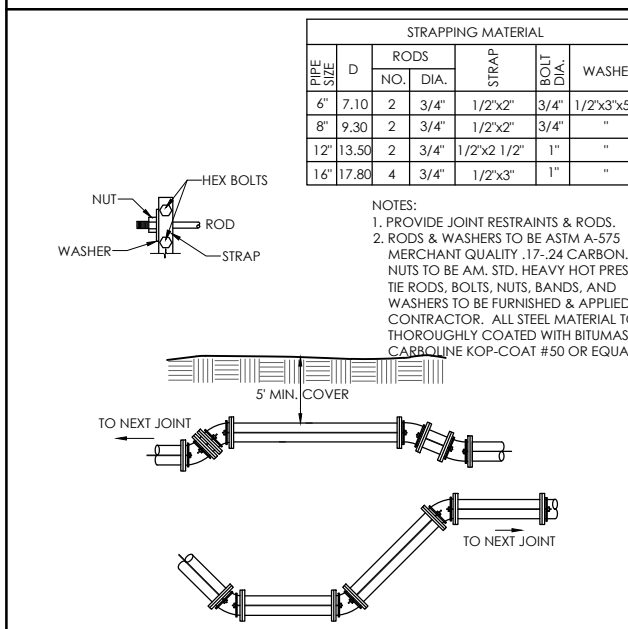
TAP SERVICE PIPING



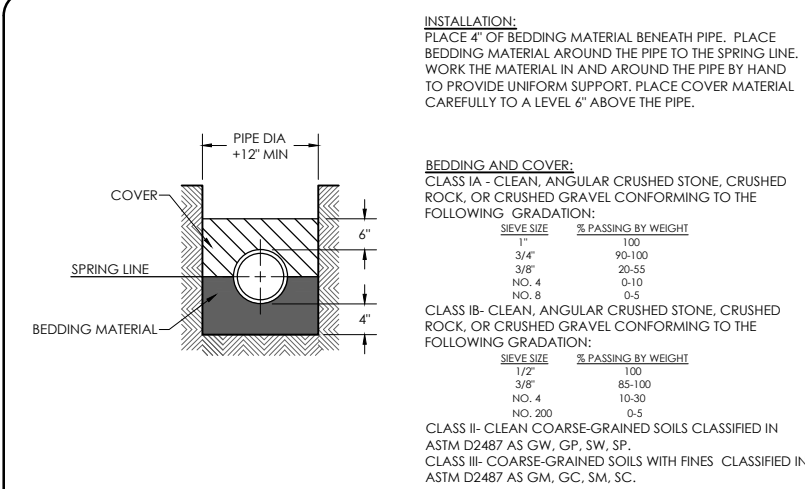
STANDARD VAULT FOR GATE VALVES



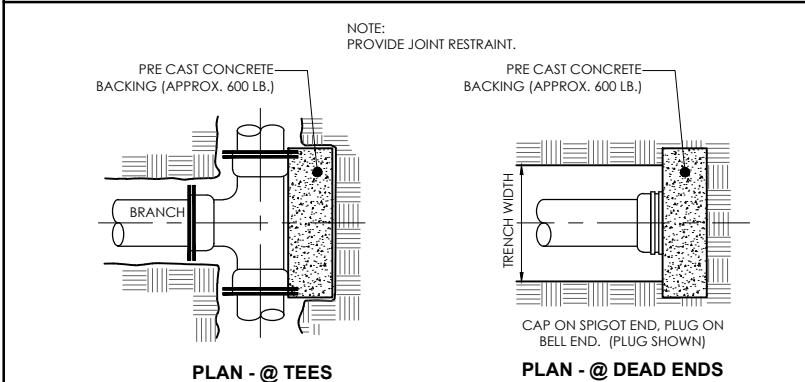
AIR RELEASE VAULT



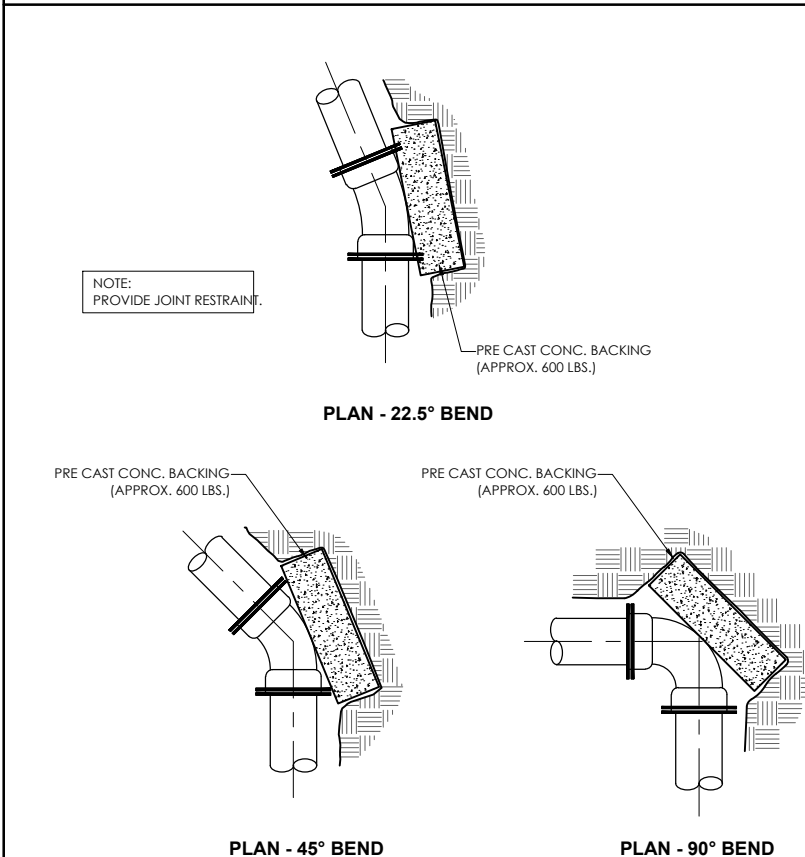
VERTICAL WATER MAIN OFFSETS



STANDARD WATER MAIN TRENCH



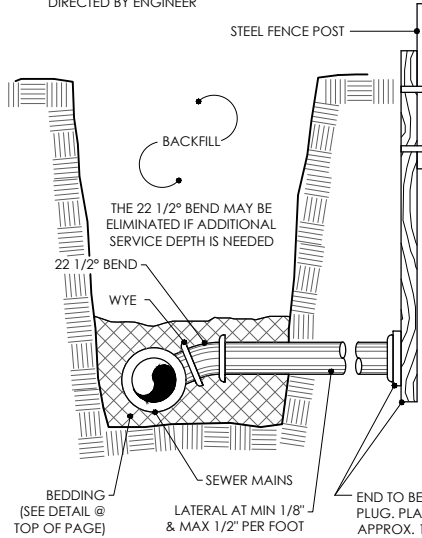
CONCRETE BACKING



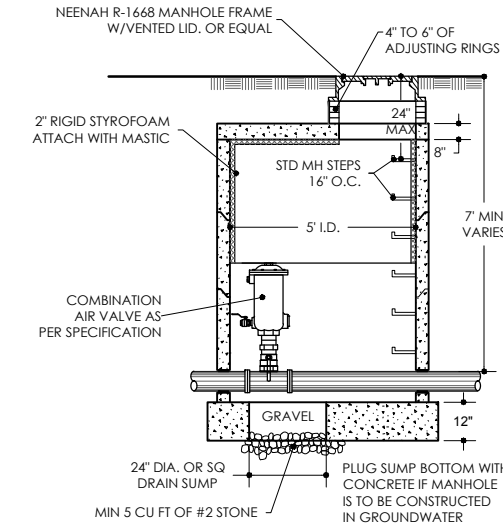
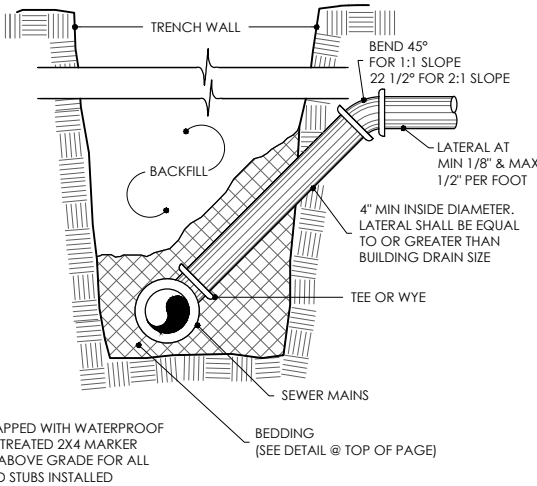
CONCRETE BACKING FOR BENDS

NOTES:

- 1.) USE OF RISERS GOVERNED BY BASEMENT DEPTH & LOCAL CONDITIONS OR AS DIRECTED BY ENGINEER
- 2.) LATERAL SHALL END AT PROPERTY LINE UNLESS OTHERWISE DIRECTED BY ENGINEER

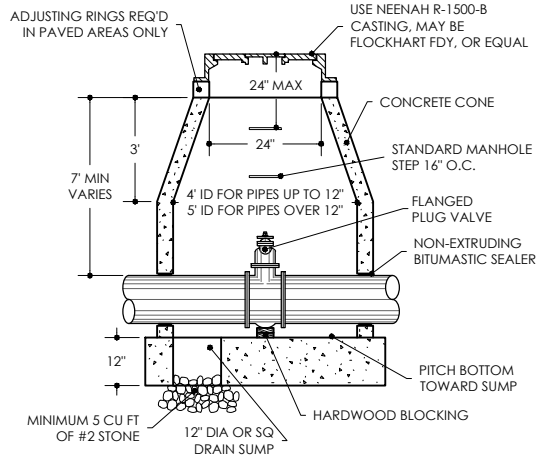


- 3.) DEPTH TO LATERAL & PROPERTY LINE SHALL NOT BE DEEPER THAN NECESSARY TO SERVICE PARCEL
- 4.) ALL LATERALS TO BE 4" UNLESS OTHERWISE NOTED ON PLANS
- 5.) ALL HOUSE LATERAL CONNECTIONS SHALL BE CONSTRUCTED AS PER THIS DETAIL UNLESS OTHERWISE SHOWN ON PLANS, OR WITH WRITTEN APPROVAL OF THE ENGINEER

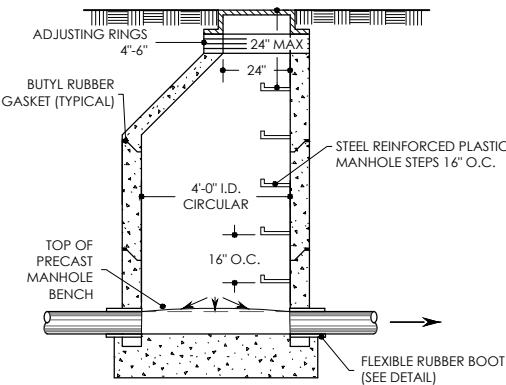


NOTE:  
VENT MH TO BE LOCATED SO THAT VALVE IS AT HIGH POINT IN LINE

SECTION A-A  
STANDARD VENT MH

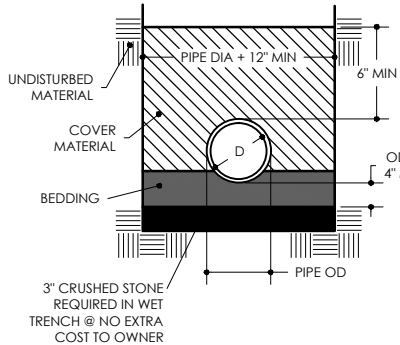


SECTION B-B  
STANDARD VALVE MH



STANDARD PRECAST MH

TYPICAL LATERAL CONNECTIONS



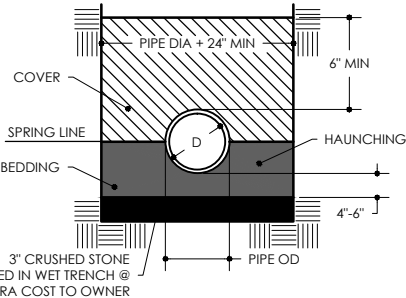
BEDDING AND COVER MATERIAL:  
CLASS B: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 8	0-5

CLASS C: EXCAVATED COARSE-GRAINED SOILS, TYPES GW, GP, SW, SP, GM, GC, SM, AND SC; CLASS B BEDDING; OR PIT RUN SAND.

INSTALLATION:  
PLACE AND COMPACT BEDDING AND COVER IN MAXIMUM 6" LAYERS. WORK MATERIAL IN AND AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.

RIGID PIPE



BEDDING AND COVER MATERIAL:  
CLASS IA: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 8	0-5

CLASS IB: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

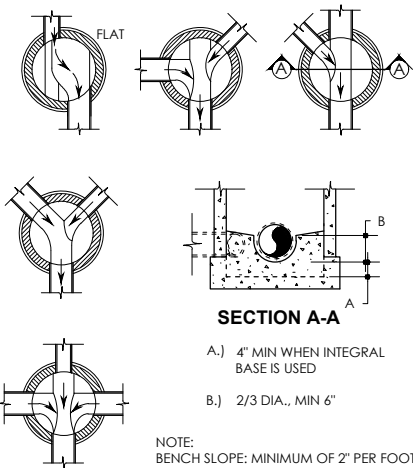
SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 8	0-5

CLASS II: SAND, GRAVELS, AND SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES. SOIL TYPES GW, GP, SW, AND SP.  
CLASS III: SANDS, GRAVELS, AND SAND-GRAVEL MIXTURES WITH FINES. SOIL TYPES GM, GC, SM, AND SC.

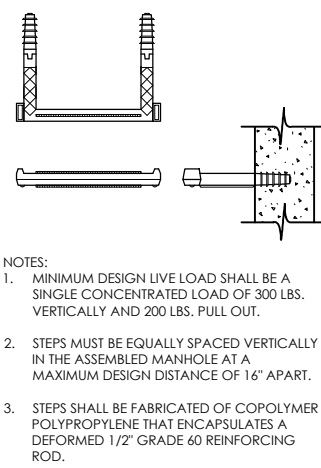
INSTALLATION:  
PLACE AND COMPACT BEDDING AND COVER IN MAXIMUM 6" LAYERS. WORK MATERIAL IN AND AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. COMPACT CLASS IB WITH HAND TAMPER OR VIBRATORY COMPACTOR TO 85% STANDARD PROCTOR, COMPACT CLASS II WITH VIBRATORY COMPACTOR TO 85% STANDARD PROCTOR, COMPACT CLASS III WITH VIBRATORY COMPACTOR TO 90% STANDARD PROCTOR.

FLEXIBLE (PVC) PIPE

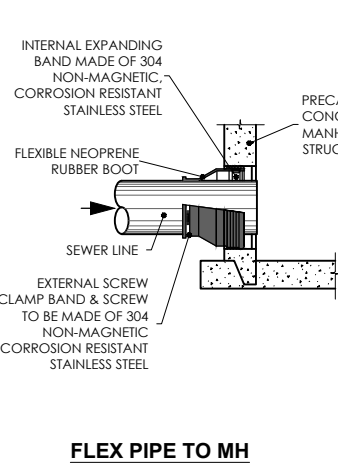
TYPICAL PIPE BEDDING



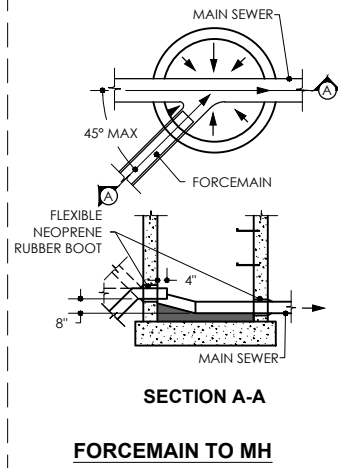
TYPICAL MANHOLE INVERTS



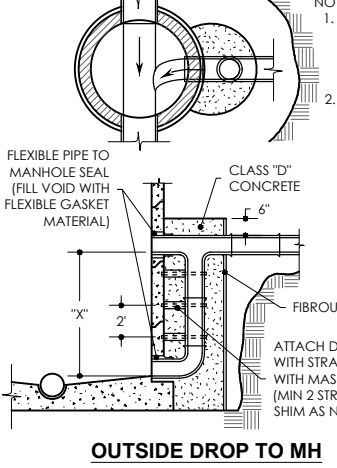
TYPICAL STEP DETAIL



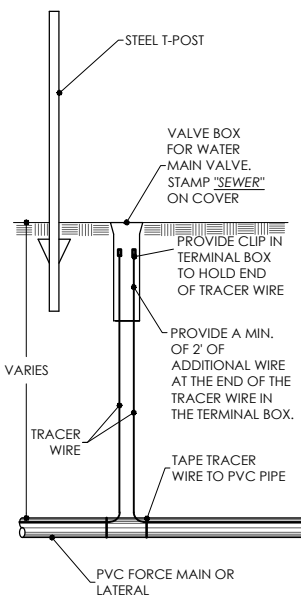
FLEX PIPE TO MH



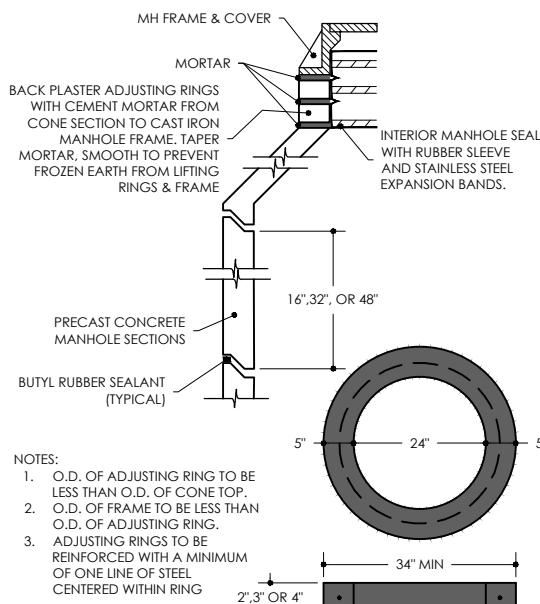
FORCEMAIN TO MH



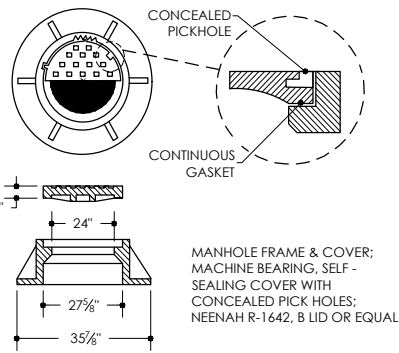
OUTSIDE DROP TO MH



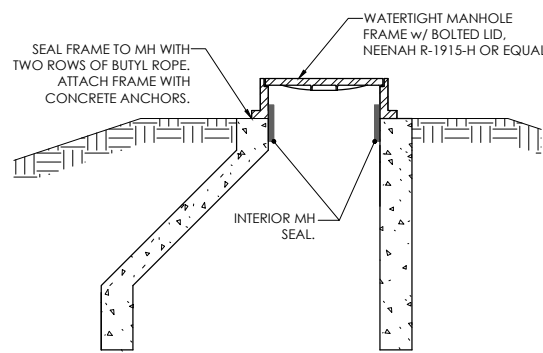
TRACER WIRE  
TERMINAL BOX



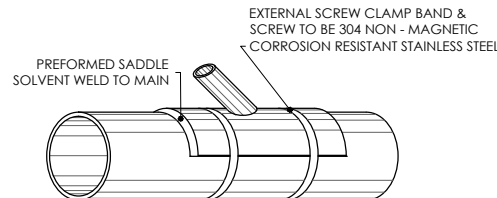
FRAME AND JOINT SEALING DETAIL



TYPICAL FRAME & COVER



WATERTIGHT MANHOLE DETAIL



STANDARD PIPE SADDLE FOR WYE SERVICE CONNECTION TO SEWER

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SANITARY SEWER CONSTRUCTION DETAILS

HOP HAUS BREWING

SUPREME STRUCTURES

CITY OF FITCHBURG

DANE COUNTY, WI

REVISIONS	NO.	BY	DATE

AS NOTED

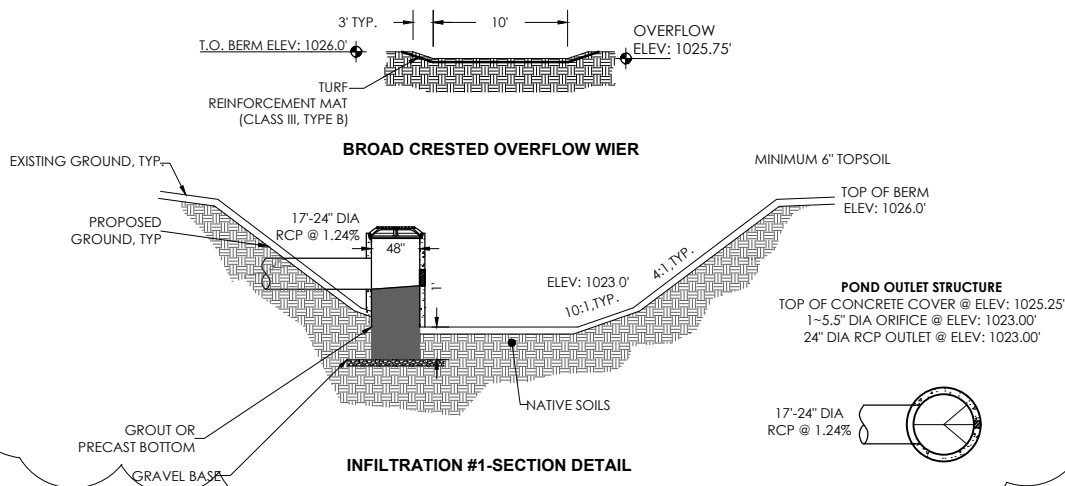
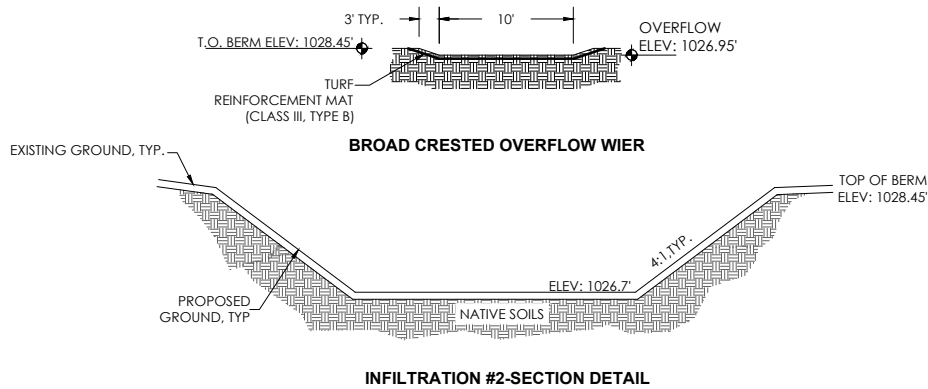
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DRAWN BY	JLM
REVIEWED BY	BRB
ISSUE DATE	APRIL 23, 2019
GEC FILE NO.	2-1118-526
SHEET NO.	C9.0



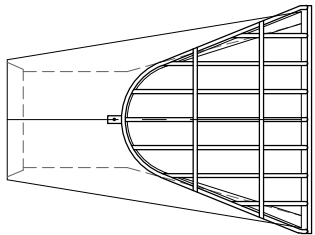
NOTES:

- CONTRACTOR SHALL CONSTRUCT TOP OF INFILTRATION BASIN 0.5' HIGHER THAN DESIGN ELEVATIONS TO ALLOW FOR SETTLEMENT.
- INFILTRATION BASIN CONSTRUCTION SHALL BE SUSPENDED DURING PERIODS OF RAINFALL OR SNOWMELT. CONSTRUCTION SHALL REMAIN SUSPENDED IF PONDED WATER IS PRESENT OR IF RESIDUAL SOIL MOISTURE CONTRIBUTES SIGNIFIGANTLY TO THE POTENTIAL FOR SOIL SMEARING, CLUMPING OR OTHER FORMS OF COMPACTION.
- AN ASSESSMENT OF THE ACTIVE EROSION IN THE DRAINAGE AREA TO THE INFILTRATION BASIN SHALL BE PERFORMED TO DETERMINE WHEN TO BRING THE INFILTRATION BASIN ON-LINE. THE BASIN SHALL BE BROUGHT ON-LINE WHEN THE AREA DRAINING TO THE BASIN HAS ACHIEVED 90% BUILD OUT OF ALL AREAS IN ANY OF THE FIRST 3 YEARS OR 75% BUILD OUT IN ANY SUBSEQUENT YEAR. BY 5 YEARS FROM THE START OF CONSTRUCTION IN THE DRAINAGE AREA, ALL INFILTRATION BASINS SHALL BE BROUGHT ON-LINE. BUILD OUT MEANS THAT THE AREA HAS BEEN FULLY DEVELOPED AND STABILIZED FROM EROSION. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IMPLEMENTED FOR THE REMAINING 10-25% OF THE UNDEVELOPED AREAS WITH THE GOAL OF PREVENTING ANY SEDIMENT FROM REACHING THE INFILTRATION BASINS.
- THE INFILTRATION AREAS SHALL BE FENCED OFF TO PREVENT HEAVY EQUIPMENT ACCESS DURING DEVELOPMENT.
- IF THE ACTIVE INFILTRATION AREAS IS GRADED, THE EFFECTS OF COMPACTION SHALL BE MITIGATED USING THE FOLLOWING METHODS:
  - INCORPORATE SOIL ADDITIVES CONSISTING OF 2 INCHES OF COMPOST MIXED INTO 2 INCHES OF SAND.
  - THE SOIL MIX (V.C.3.b.1) SHALL BE INCORPORATED INTO THE EXISTING SOIL USING A CHISEL PLOW OR ROTARY DEVICE WITH THE CAPABILITY OF REACHING TO 12 INCHES BELOW THE EXISTING SURFACE.
  - THE COMPOST COMPONENT SHALL MEET THE WDNR SPECIFICATION S100 COMPOST.
- NATIVE VEGETATION SHALL BE ESTABLISHED IN CONFORMANCE WITH RECOMMENDATIONS FROM A QUALIFIED NATIVE NURSERY IN THE AREA. IF TREES ARE TO BE USED, SPECIES SHALL BE SELECTED THAT WILL NOT INTERFERE WITH THE FUNCTION OF THE BASIN, OR CAUSE MAINTENANCE PROBLEMS.
- NATIVE (PRAIRIE) SEEDING SHALL BE COMPLETED IN THE FALL (AS DORMANT SEEDING PRIOR TO FIRST SNOW FALL) OR IN THE SPRING (BETWEEN MAY 1 AND JUNE 20), OR PLUGS SHALL BE USED.
- TRACKED VEHICLES SHOULD BE USED DURING CONSTRUCTION TO LESSEN COMPACTION.
- SNOW SHOULD NOT BE PLACED IN THE EFFECTIVE INFILTRATION AREA. IT MAY BE PLACED ON THE PRETREATMENT AREA OR AREAS DRAINING INTO THE PRETREATMENT AREA.
- SEE THE GRADING PLAN SHEETS FOR GRADING SURROUNDING THE BASINS.
- IF STANDING WATER IS OBSERVED OVER 50% OF THE BASIN FLOOR 3 DAYS AFTER RAINFALL, THE BASIN IS CLOGGED AND MEASURES SHOULD BE TAKEN TO UNCLOG IT.
- SEE THE DNR TECHNICAL STANDARD 1003 FOR MORE INFORMATION REGARDING OPERATION AND MAINTENANCE.
- FIVE FEET OF THE OVERBURDEN SOIL MUST BE REMOVED TO REACH DESIRABLE SAND LAYER.



RECOMMENDED GRATE SIZING (RCP)*			
ENDWALL SIZE	BAR DIAMETER	ANCHOR DIAMETER	H HEIGHT
12"	3/4"	5/8"	2 1/2"
15"	3/4"	5/8"	3"
18"	3/4"	5/8"	4"
21"	1"	5/8"	4"
24"	1"	5/8"	4"
27"	1"	5/8"	5"
30"	1"	5/8"	5"
36"	1"	5/8"	5"
42"	1"	5/8"	6"
48"	1 1/4"	5/8"	6"
54"	1 1/4"	5/8"	6"
60"	1 1/4"	5/8"	7"
66"	1 1/4"	5/8"	7"
72"	1 1/4"	5/8"	7"
84"	1 1/4"	5/8"	8"

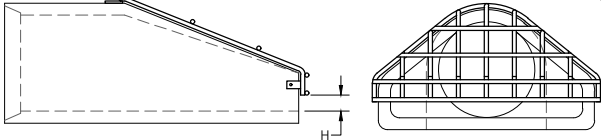
*SIZES MAY VARY PER MANUFACTURER



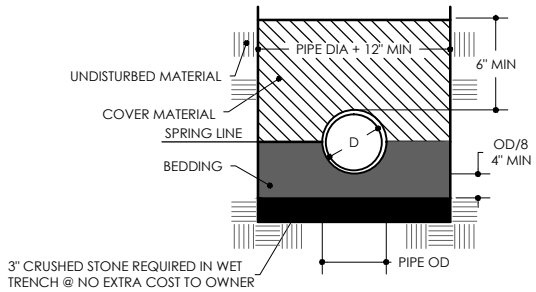
RCP

NOTES:

- 6" SPACING MAX.
- HINGED CONNECTOR PLATE w/ ANCHOR ATTACHED AT THREE POINTS TO ENDWALL.



TYPICAL END-SECTION GRATE  
(PROVIDE GRATES ON ALL END-SECTIONS FOR PIPES LARGER THAN 12" DIA.)



BEDDING AND COVER MATERIAL:

CLASS IA: CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 8	0-5

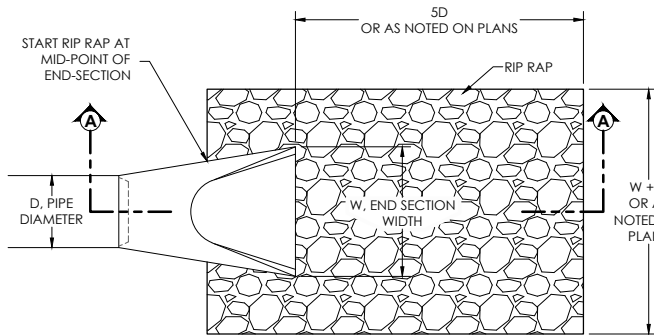
CLASS IB: CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 200	0-5

CLASS II: CLEAN COARSE-GRAINED SOILS CLASSIFIED IN ASTM D2487 AS GW, GP, SW, SP.

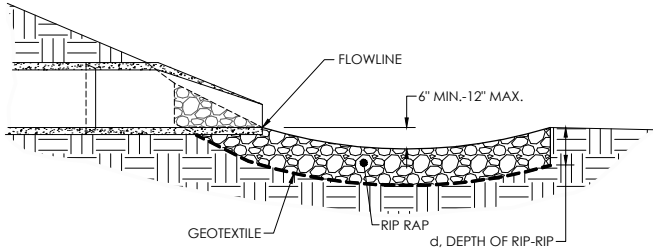
CLASS III: COARSE-GRAINED SOILS WITH FINES CLASSIFIED IN ASTM D2487 AS GM, GC, SM, SC.

INSTALLATION:  
PLACE 4" OF BEDDING MATERIAL BENEATH PIPE. PLACE BEDDING MATERIAL AROUND THE PIPE TO THE SPRING LINE. WORK THE MATERIAL IN AND AROUND THE PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. PLACE COVER MATERIAL CAREFULLY TO A LEVEL 6" ABOVE THE PIPE.



PLAN VIEW

RIP RAP CLASS	WIS DOT RIP RAP EQUIVALENT	d, DEPTH
1	-	9"
2	LIGHT	18"
3	HEAVY	27"
4	EXTRA HEAVY	36"



SECTION A-A

RCP PIPE

RIP RAP AT PIPE DISCHARGE



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STORM SEWER CONSTRUCTION DETAILS  
HOP HAUS BREWING  
SUPREME STRUCTURES

CITY OF FITCHBURG  
DANE COUNTY, WI

REVISIONS	NO.	BY	DATE
REVISION	2	JLM	06/07/2019
REVISION	3	JLM	06/12/2019

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DRAWN BY	JLM
REVIEWED BY	BRB
ISSUE DATE	APRIL 23, 2019
GEC FILE NO.	2-1118-526
SHEET NO.	

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STORM SEWER MANHOLE & INLETS  
HOP HAUS BREWING  
SUPREME STRUCTURES

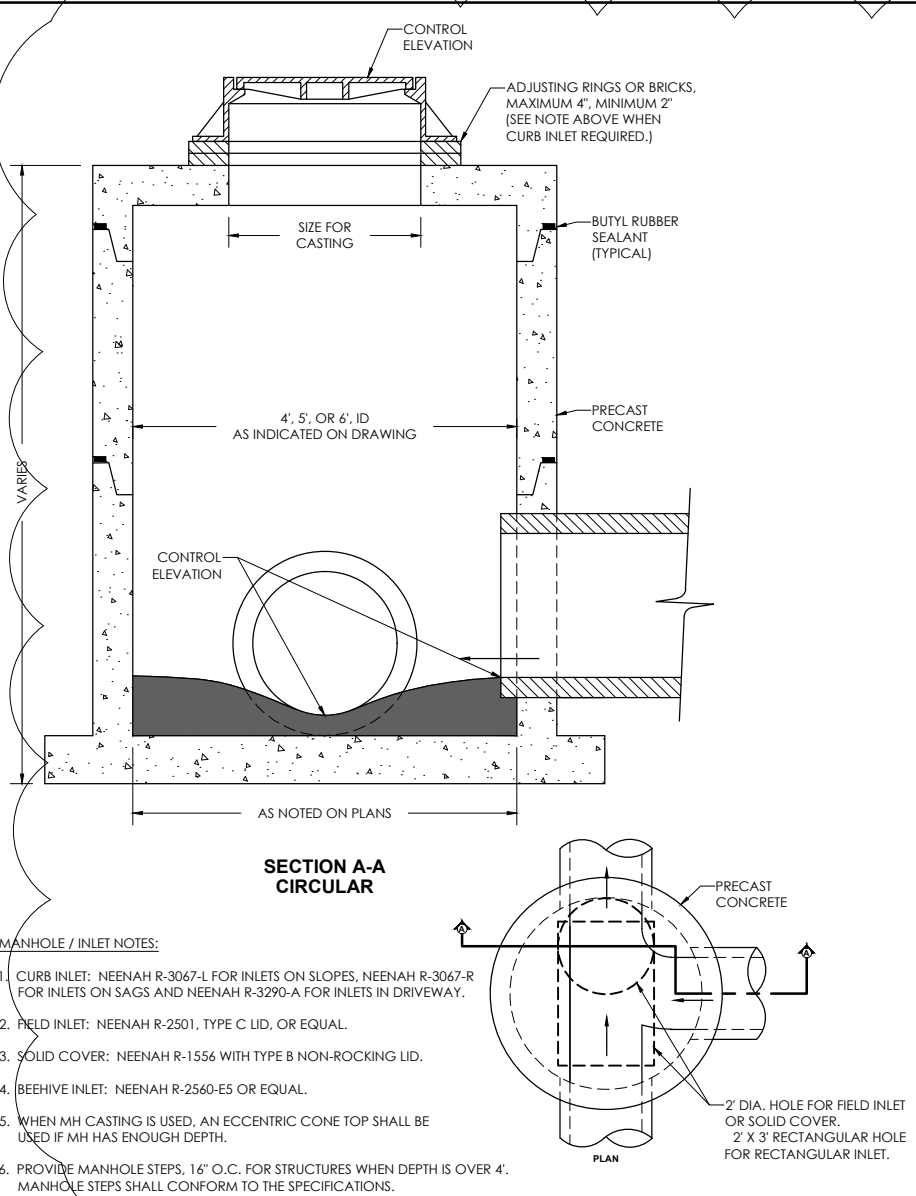
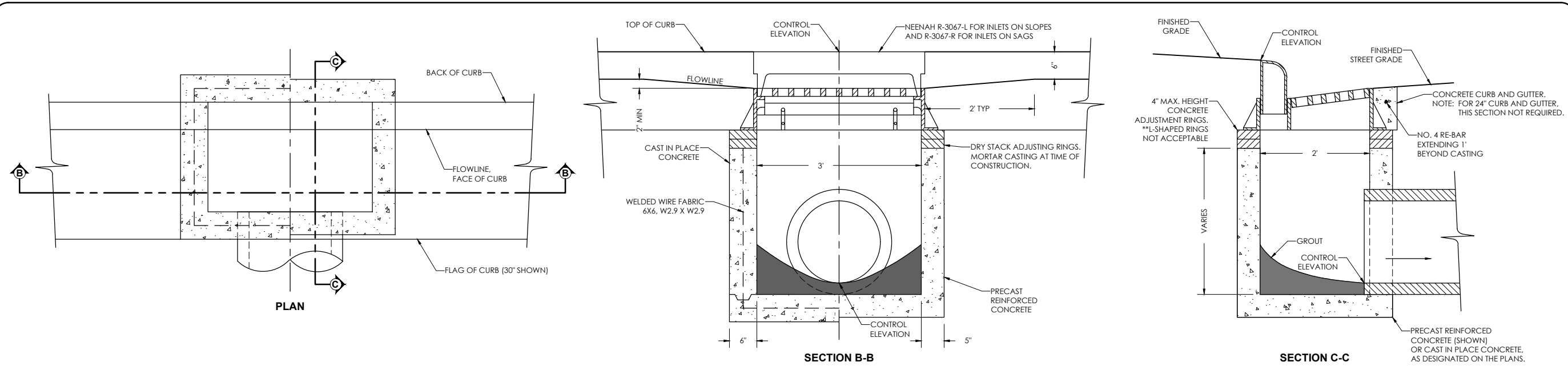
CITY OF FITCHBURG  
DANE COUNTY, WI

REVISIONS	NO.	BY	DATE
REVISION	1	JLM	06/15/2019
REVISION	2	JLM	06/07/2019
REVISION	3	JLM	06/12/2019

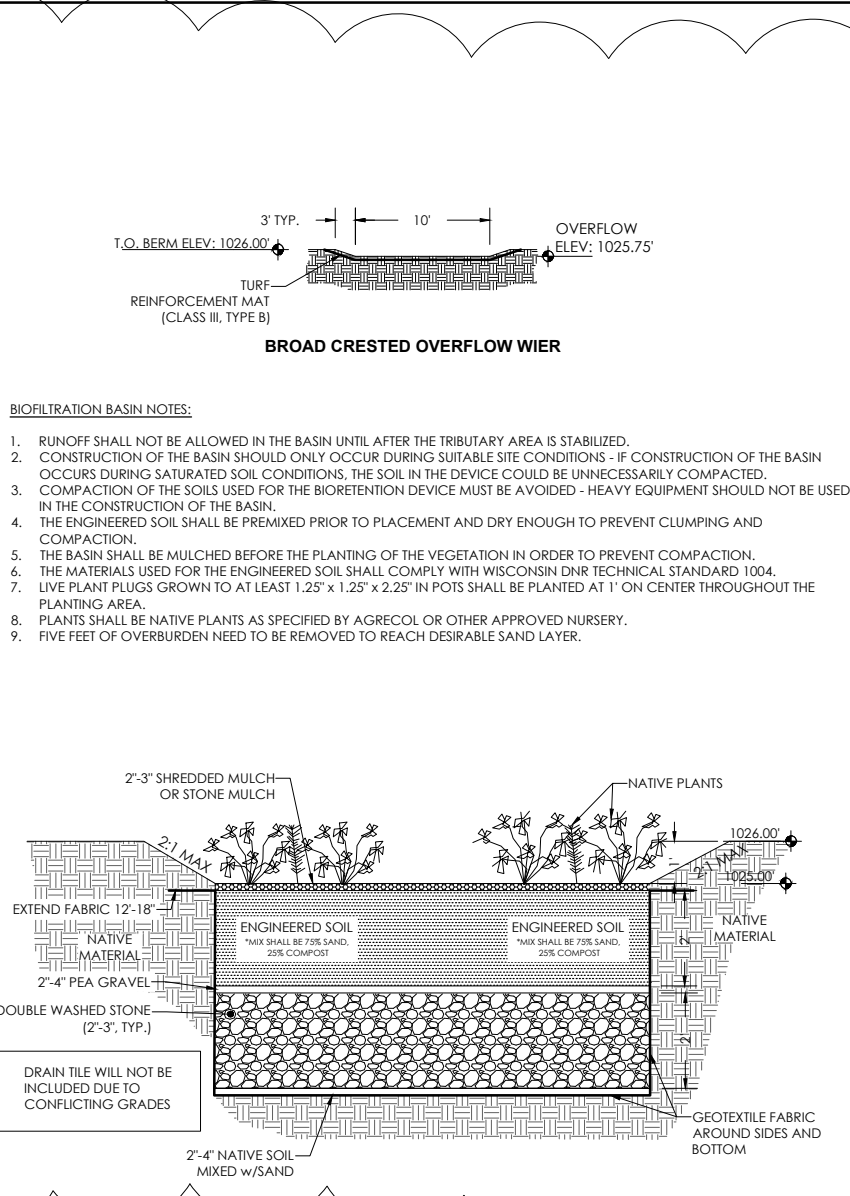
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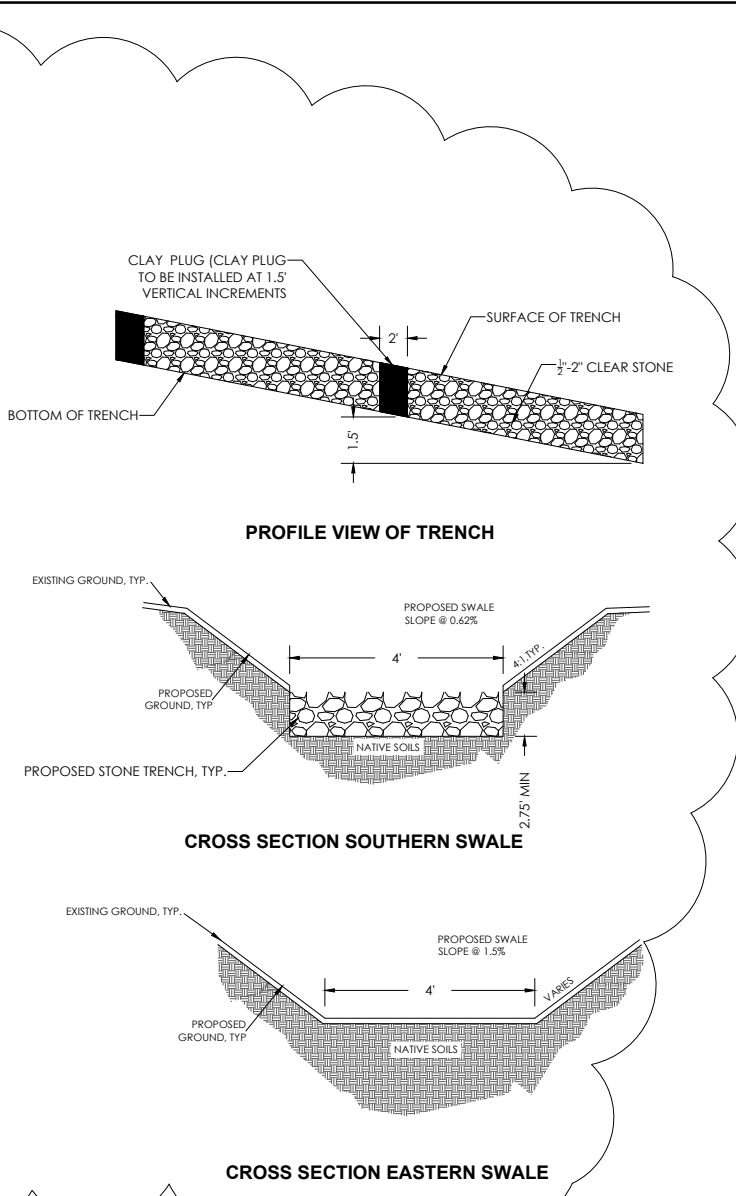
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STORM SEWER MANHOLE / INLET



BIOFILTER DETAIL



SWALE/STONE TRENCH DETAIL





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MISCELLANEOUS DETAILS

HOP HAUS BREWING  
SUPREME STRUCTURES

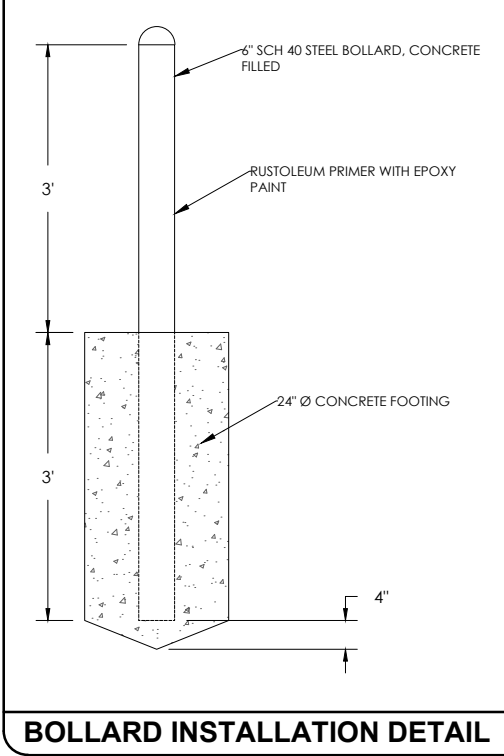
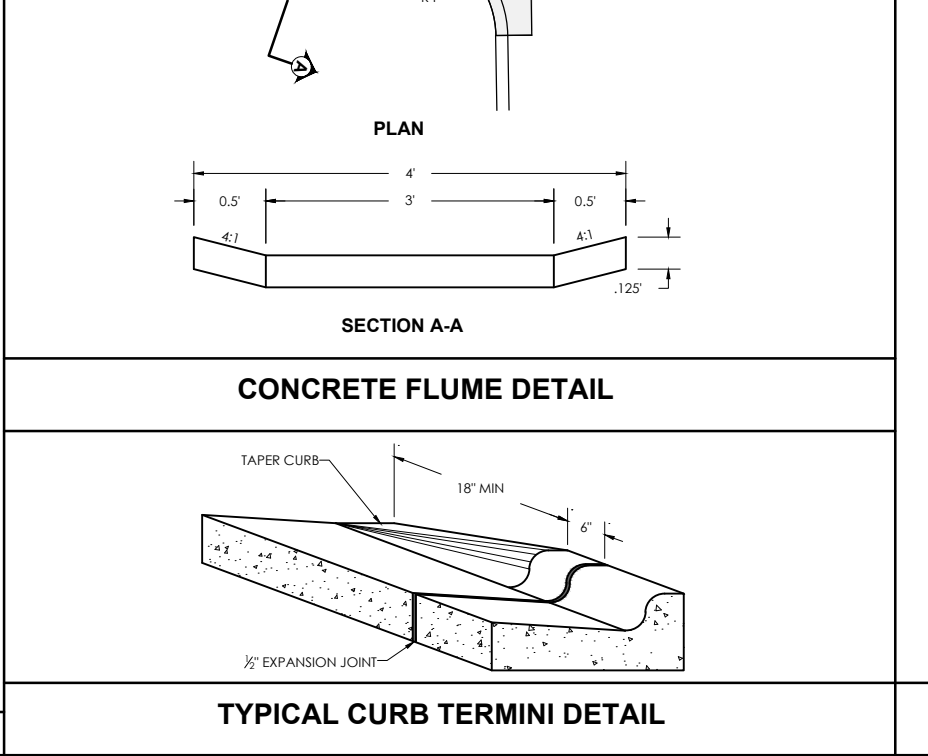
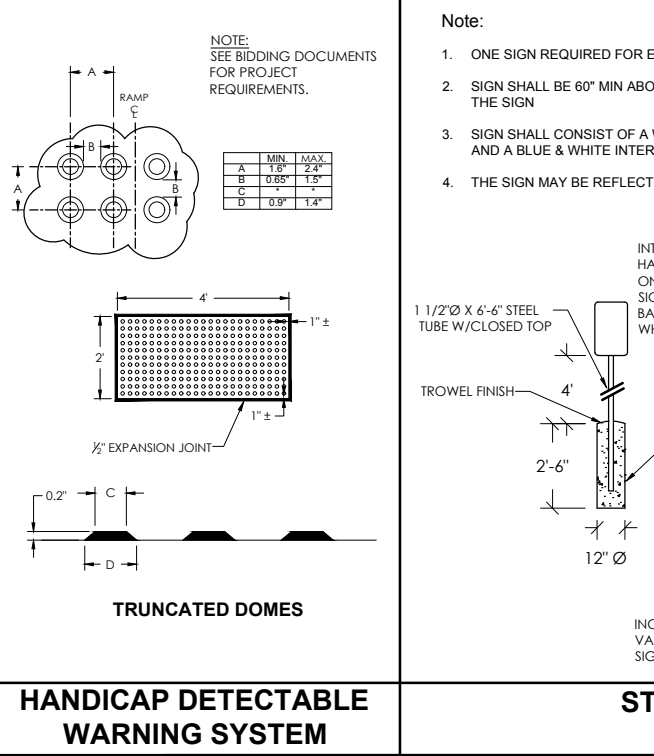
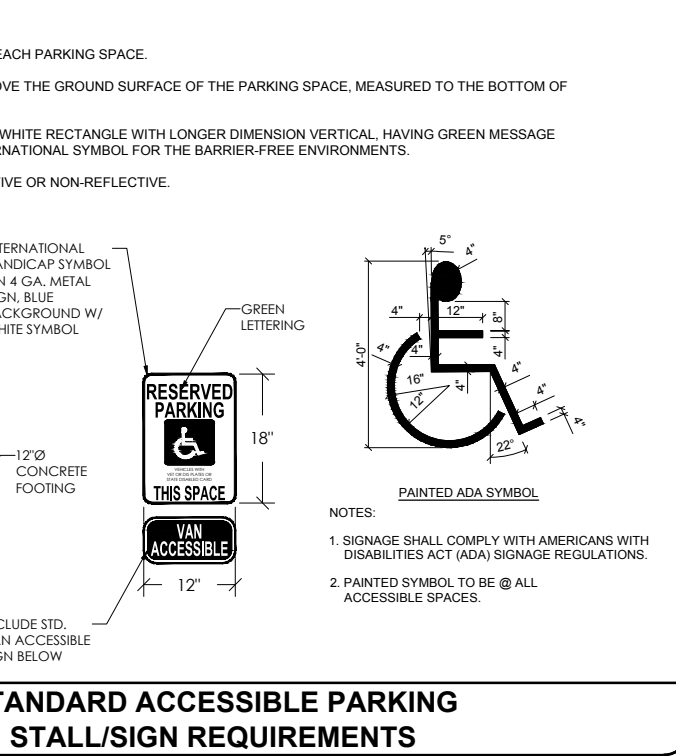
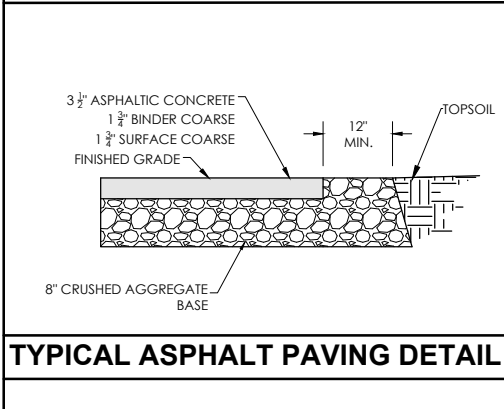
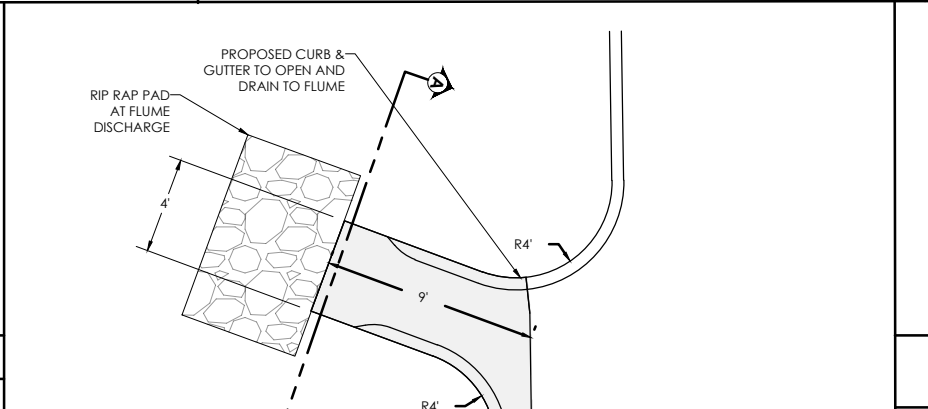
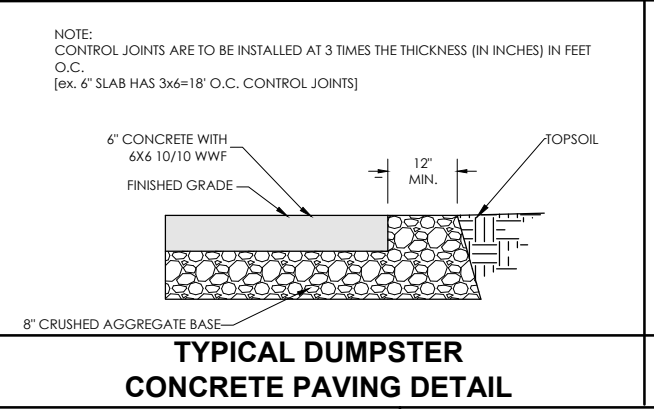
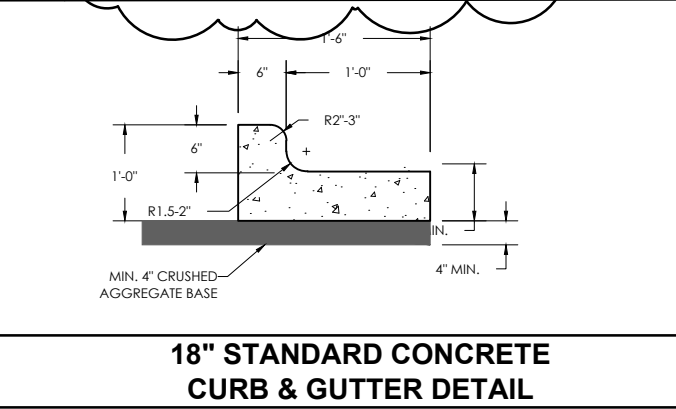
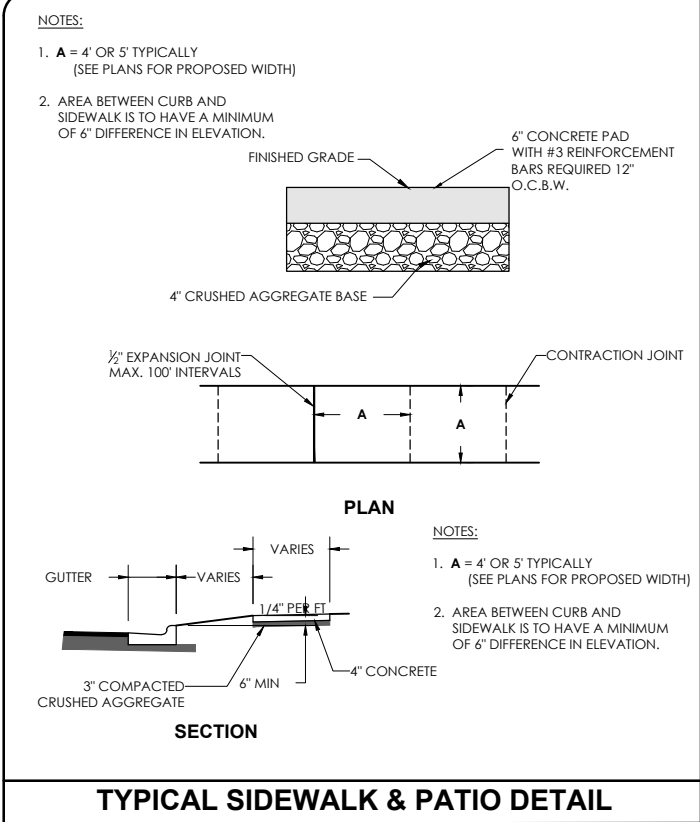
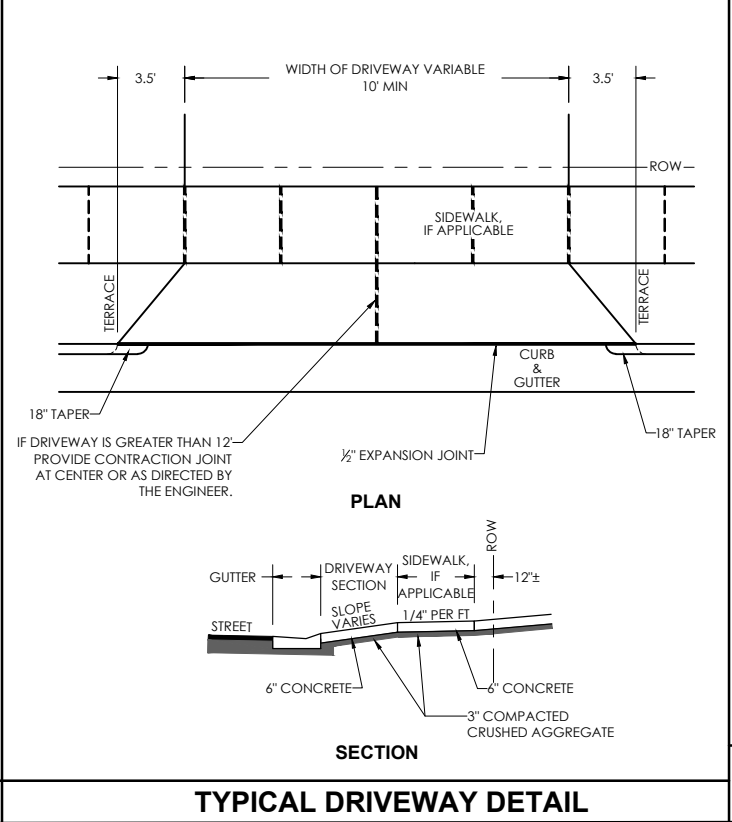
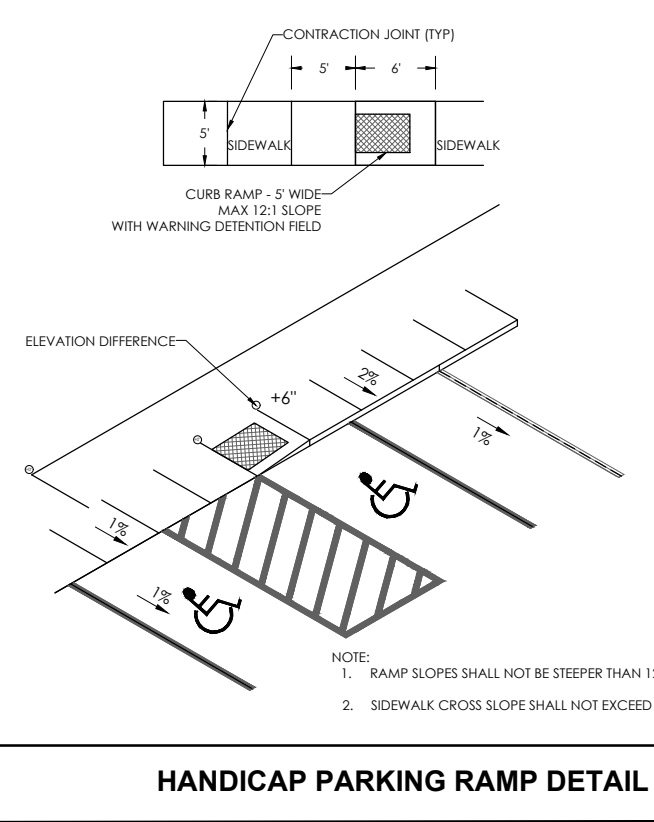
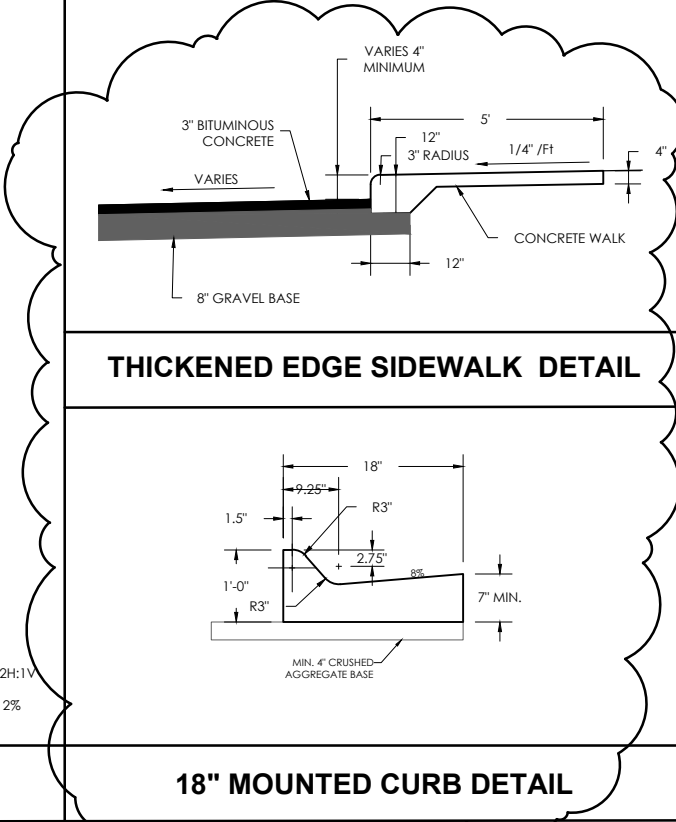
CITY OF FITCHBURG, WI  
DANE COUNTY, WI

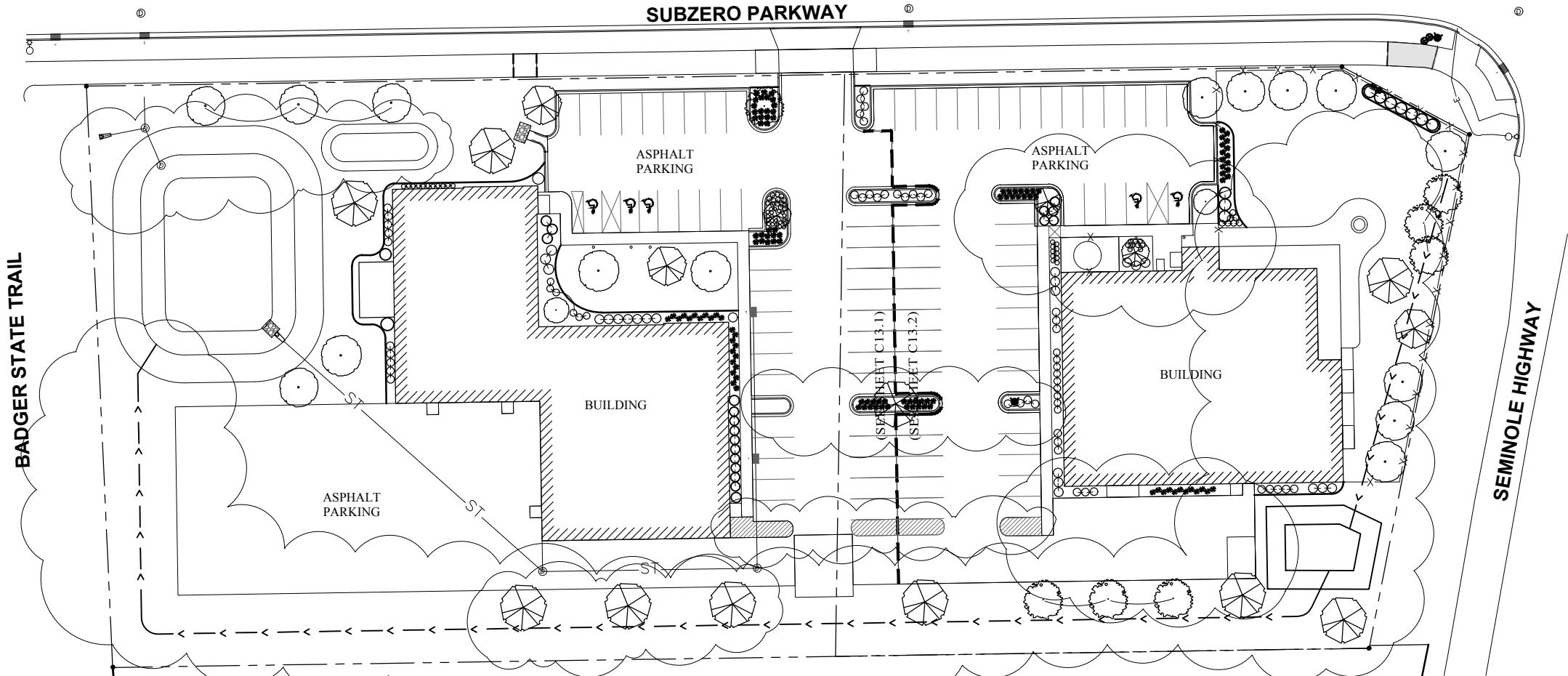
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GEC FILE NO.	2-1118-526
SHEET NO.	

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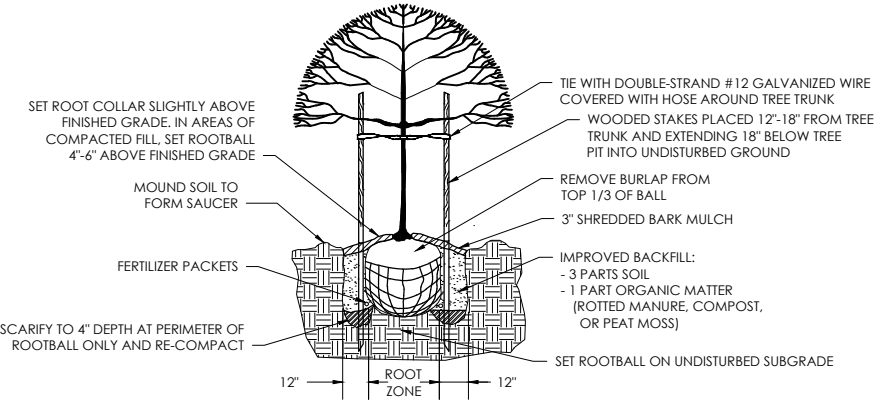
LANDSCAPE NOTES

A. PLANT MATERIAL/PLANTING BEDS:

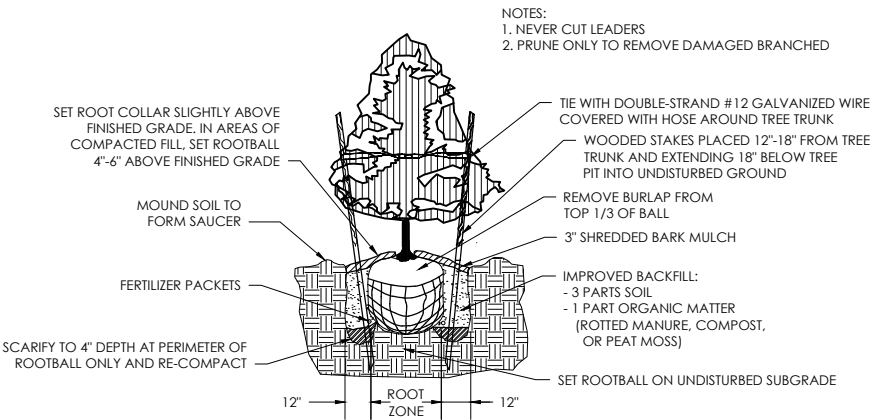
- FERTILIZE ALL SHRUBS AND/OR TREES WITH A COMMERCIAL SLOW-RELEASE FERTILIZER TABLET OR PACKET, INSTALLED TO MANUFACTURER'S SPECIFICATIONS.
- FOR PERENNIALS AND ORNAMENTAL GRASSES, APPLY A COMMERCIAL MIXTURE OF 10-10-10 OR APPROPRIATE ORGANIC FERTILIZER AT TIME OF PLANTING.
- BACKFILL, TO A MINIMUM OF 3-TIMES THE DIAMETER OF THE ROOT BALL, ALL PLANT MATERIAL WITH A SOIL MIX RICH IN ORGANIC MATTER. WHERE PERENNIALS ARE SHOWN ON PLAN, INSTALL RICH ORGANIC SUSTAINABLE SOIL AT A MINIMUM DEPTH OF 10-12 INCHES.
- PLANTING BED EDGING, WHERE SHOWN ON PLAN, TO BE VALLEY VIEW 'BLACK DIAMOND' POLYETHYLENE BED DIVIDER, INSTALLED TO MANUFACTURER'S SPECIFICATIONS.
- ORGANIC (WOOD) MULCH MATERIAL, IN ALL PLANTING BEDS ALONG FOUNDATION AND PARKING LOT ISLAND BEDS, TO BE SHREDDED NORTHERN WHITE CEDAR MULCH, INSTALLED AND SPREAD EVENLY AT A DEPTH OF 3 INCHES. CONTRACTOR TO CHECK WITH OWNER AS TO OWNER'S PREFERENCE REGARDING MULCHING MATERIAL.
- IN WOOD MULCH BEDS, AFTER SOIL AND PLANTS ARE INSTALLED AND PRIOR TO WOOD MULCH INSTALLATION, BROADCAST THE PRE-EMERGENT HERBICIDE, "PREEN" EVENLY OVER THE PLANTING BED SOIL THROUGHOUT THE PLANTING BED(S). DO NOT INSTALL WEED BARRIER FABRIC IN ORGANIC WOOD MULCH BEDS.
- DO NOT INSTALL WEED BARRIER FABRIC IN ORGANIC WOOD MULCH BEDS.
- TREES:
  - MAINTAIN ROOT COLLAR OF TREE SLIGHTLY ABOVE GRADE WHEN INSTALLING.
  - DIG HOLE NO DEEPER THAN THE LEVEL ON WHICH THE BOTTOM OF THE ROOT BALL WILL SET.
  - DO NOT STAKE TREE, UNLESS WINDY CONDITIONS DICTATE.
  - WHERE TREES ARE LOCATED INDEPENDENTLY IN LAWN TURF AREAS, PROVIDE A MINIMUM 5-FOOT DIAMETER MULCH BED AROUND EACH TREE. MULCH AROUND THESE TREES WITH A 3-INCH DEPTH OF CEDAR WOOD MULCH SPREAD EVENLY. NEITHER INSTALL WEED BARRIER FABRIC UNDER BARK MULCH NOR A BED DIVIDER AROUND TREE.

B. TURFGRASS AREAS:

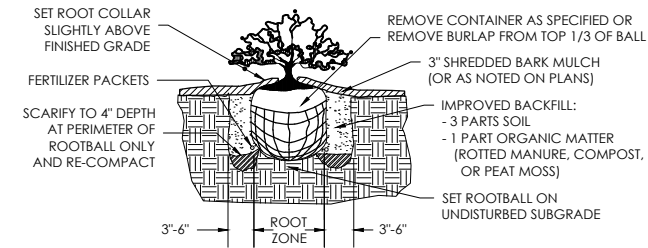
- TOPSOIL/TOPSOIL GRADING:
  - PROVIDE TOPSOIL, IF CONTRACT REQUIRES.
  - TOPSOIL SHALL BE BLACK LOAM NATIVE TO THE AREA, WITHOUT SUBSOIL, STONES, LUMPS, CLOUDS OF HARD EARTH, PLANTS, ROOTS, STICKS, AND OTHER EXTRANEOUS MATERIALS.
  - STOCKPILED TOPSOIL MEETING THE REQUIREMENTS STATED HEREIN MAY BE USED.
  - PLACE TOPSOIL AND SPREAD UNIFORMLY OVER ALL LAWN AREAS TO A MINIMUM DEPTH OF 6 INCHES. DO NOT PLACE TOPSOIL WHILE IN A FROZEN OR MUDDY CONDITION.
  - RAKE TOPSOIL UNTIL SURFACE IS FRIABLE, SMOOTH, AND OF UNIFORMLY FINE TEXTURE IMMEDIATELY PRIOR TO SODDING AND/OR SEEDING. CORRECT ALL SOFT SPOTS AND IRREGULARITIES IN GRADE.
  - JUST PRIOR TO SODDING AND/OR SEEDING, SPREAD AND RAKE LAWN FERTILIZER INTO TOPSOIL AT A RATE OF 10 LBS. PER 1,000 SQ. FT. COMMERCIAL LAWN FERTILIZER SHALL BE A COMPLETE FERTILIZER PARTIALLY DERIVED FROM ORGANIC SOURCES AND CONTAINING 10% NITROGEN, 10% PHOSPHORIC ACID, AND 10% POTASH, ALL BY WEIGHT AS SPECIFIED.
  - BLEND IN NEW SOIL TO MATCH EXISTING GRADES OF ADJACENT PROPERTIES, WHERE APPLICABLE.
- SOD:
  - SOD ALL TURFGRASS AREAS SHOWN ON PLAN.
  - SOD SHALL BE VIGOROUS, DENSE, WELL-ROOTED, HEALTHY TURF, COMPOSED OF A MINIMUM OF 50% KENTUCKY BLUEGRASS MIX, GROWN IN THE GENERAL LOCALITY WHERE IT IS TO BE USED, APPROXIMATED 2 INCHES IN HEIGHT
  - SOD SHALL BE FREE OF DEBRIS, FREE FROM DISEASE, INSECT PESTS, STONES, WEEDS, AND OTHER UNDESIRABLE GRASSES.
  - LAY SOD WITHIN 24 HOURS FROM TIME OF STRIPPING. DO NOT PLANT DORMANT SOD OR IF GROUND IS FROZEN. SOD PIECES SHALL BE FITTED TOGETHER TIGHTLY AND SHALL BE FIRMED DOWN BY TAMPING OR ROLLING LIGHTLY TO ENSURE CONTACT WITH SUBGRADE. SOD JOINTS SHALL ALTERNATE WHENEVER POSSIBLE.
- SEEDING:
  - IF AND WHERE SEEDING IS REQUIRED, PROVIDE FRESH, CLEAN, NEW-CROP SEED IN COMPLIANCE WITH THE STANDARDS ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA. BLEND: "CAPITAL CITY PARKS" TURFGRASS MIX, BY HERITAGE SEED COMPANY, OR SIMILAR BLEND OF EQUAL PROPORTION AND GERMINATION RATE.
    - MIX FORMULATION:
      - 50% ELITE KENTUCKY BLUEGRASS VARIETIES
      - 25% ELITE PERENNIAL RYEGRASS VARIETIES
      - 13% ELITE CREEPING RED FESCUE
      - 12% ELITE CHEWINGS FESCUE
    - REQUIRED MINIMUM TEST RESULTS: 98% PURITY AND 85% GERMINATION
  - SOW UNIFORMLY AT A MINIMUM RATE OF 5-6 LBS. PER 1,000 SQ. FT.
  - AFTER SEEDING, APPLY MULCH CONSISTING OF CLEAN MARSH HAY, OR STRAW, AS FREE OF WEEDS AS POSSIBLE, UNIFORMLY OVER ALL SEEDED AREAS.
  - IF AND WHERE NECESSARY, INSTALL APPROPRIATE EROSION CONTROL FABRIC OVER SEEDED AREAS HAVING A SLOPE EXCEEDING 8% (8-PERCENT).



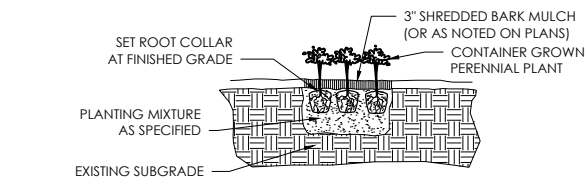
SHADE TREE PLANTING DETAIL



EVERGREEN TREE PLANTING DETAIL



SHRUB PLANTING DETAIL



GROUNDCOVER/PERENNIAL PLANTING DETAIL



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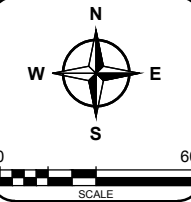
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LANDSCAPE PLAN & DETAILS  
HOP HAUS BREWING  
SUPREME STRUCTURES

CITY OF FITCHBURG  
DANE COUNTY, WI

REVISIONS	NO.	BY	DATE
REVISION	1	JLM	05/15/2019
REVISION	2	JLM	06/07/2019
REVISION	3	JLM	06/12/2019



DRAWN BY	SRR
REVIEWED BY	BRB
ISSUE DATE	APRIL 23, 2019
GEC FILE NO.	2-1118-526
SHEET NO.	



SUBZERO PARKWAY

PLANT LIST



KEY	COMMON NAME	(BOTANICAL NAME)	PLANTING SIZE (Inches)	COMMENTS
<b>SHRUBS</b>				
BGG	'GREEN GEM' BOXWOOD	(BUXUS x 'GREEN GEM')	15-18	2' O/C
EEG	'EMERALD & GOLD' EUONYMUS	(EUONYMUS FORTUNEI 'EMERALD 'N GOLD')	15-18	GREEN LEAVES WITH YELLOW MARGINS. 30" O/C
HPQ	'QUICKFIRE' PANICLE HYDRANGEA	(HYDRANGEA PANICULATA 'QUICKFIRE')	24-30	WHITE FLOWERS/SPRING, THEN PINK/SUMMER-DK.PINK/FALL
NDI	DIABLO NINEBARK	(PHYSCARPUS OPULIFOLIUS 'MONLO')	18-24	5' O/C, RED-PURPLE FOLIAGE
PAB	ABBOTSWOOD FLOWERING POTENTILLA	(POTENTILLA FRUTICOSA 'ABBOTSWOOD')	15-18	SUMMER CREAMY-WHITE FLOWERS
PGD	GOLD DROP POTENTILLA	(POTENTILLA FRUTICOSA 'GOLD DROP')	15-18	3 1/2' O/C
RPH	'PJM-HYBRID' RHODODENDRON	(RHODODENDRON 'PJM-HYBRID')	18-24	WHITE FLOWER
SAW	ANTHONY WATERER SPIREA	(SPIRAEA x BUMALDA 'ANTHONY WATERER')	18-24	4' O/C, BROADLEAF EVERGREEN
SGF	GOLDFLAME SPIREA	(SPIRAEA x BUMALDA 'GOLDFLAME')	15-18	4' O/C
SWB	SNOWBERRY	(SYMPHORICARPOS ALBUS)	18-24	3 1/2' O/C
WMW	'MIDNIGHT WINE' WEIGELA	(WEIGELA FLORIDA 'ELVERA')	15-18	4' O/C, PINK FLOWERS, WHITE FRUITS

*All woody shrubs shown in container root condition at time of planting.

KEY	COMMON NAME	(BOTANICAL NAME)	PLANTING SIZE (Inches)	COMMENTS
<b>TREES</b>				
BOP	'DAKOTA PINNACLE' ASIAN WHITE BIRCH	(BETULA PLATYPHYLLA 'FARGO')	2"-CAL.	10'-12' SPREAD, 35'-HT, UPRIGHT
BRH	'HERITAGE' RIVER BIRCH	(BETULA NIGRA 'HERITAGE')	8'-10' HT.	GOLD/YELLOW FALL FOLIAGE
CPF	'PRAIRIFIRE' FLOWERING CRABAPPLE	(MALUS x 'PRAIRIFIRE')	2"-CAL.	ROSE FLOWER-LATE, FALL
CSS	'SPRING SNOW' FLOWERING CRABAPPLE	(MALUS x 'SPRING SNOW')	2"-CAL.	COLOR
EFR	FONTIER ELM (ULMUS x FRONTIER)	(ULMUS x 'FRONTIER')	2"-CAL.	WHITE FLOWERS, NO FRUITS
FWH	WHITE FIR	(ABIES CONCOLOR)	4'-5' HT.	UPRIGHT PYRAMIDAL SHAPE
GAG	GINKGO 'AUTUMN GOLD'	(GINKGO BILOBA var. 'AUTUMN GOLD')	2 1/2"-CAL.	DEEP RED FALL COLOR
GOM	GINKGO 'MAGYAR'	(GINKGO BILOBA var. 'MAGYAR')	2 1/2"-CAL.	14' O/C, FAST-GROWING
LIS	'IVORY SILK' JAPANESE TREE LILAC	(SYRINGA RETICULATA 'IVORY SILK')	2"-CAL.	GOLDEN-YELLOW FALL COLOR
MBW	'BRANDYWINE' RED MAPLE	(ACER RUBRUM 'BRANDYWINE')	2"-CAL.	COLOR, CENTRAL LEADER
MCF	'CELEBRATION' FREEMAN MAPLE	(ACER x FREEMANII 'CELEBRATION')	2"-CAL.	SINGLE TRUNK
MOG	'OCTOBER GLORY' RED MAPLE	(ACER RUBRUM 'OCTOBER GLORY')	2"-CAL.	LATE FALL COLOR
MRU	'RED SUNSET' RED MAPLE	(ACER RUBRUM 'RED SUNSET')	2"-CAL.	ORANGE FALL COLOR

• All trees shown in B&B (Balled & Burlapped) root condition at time of planting.

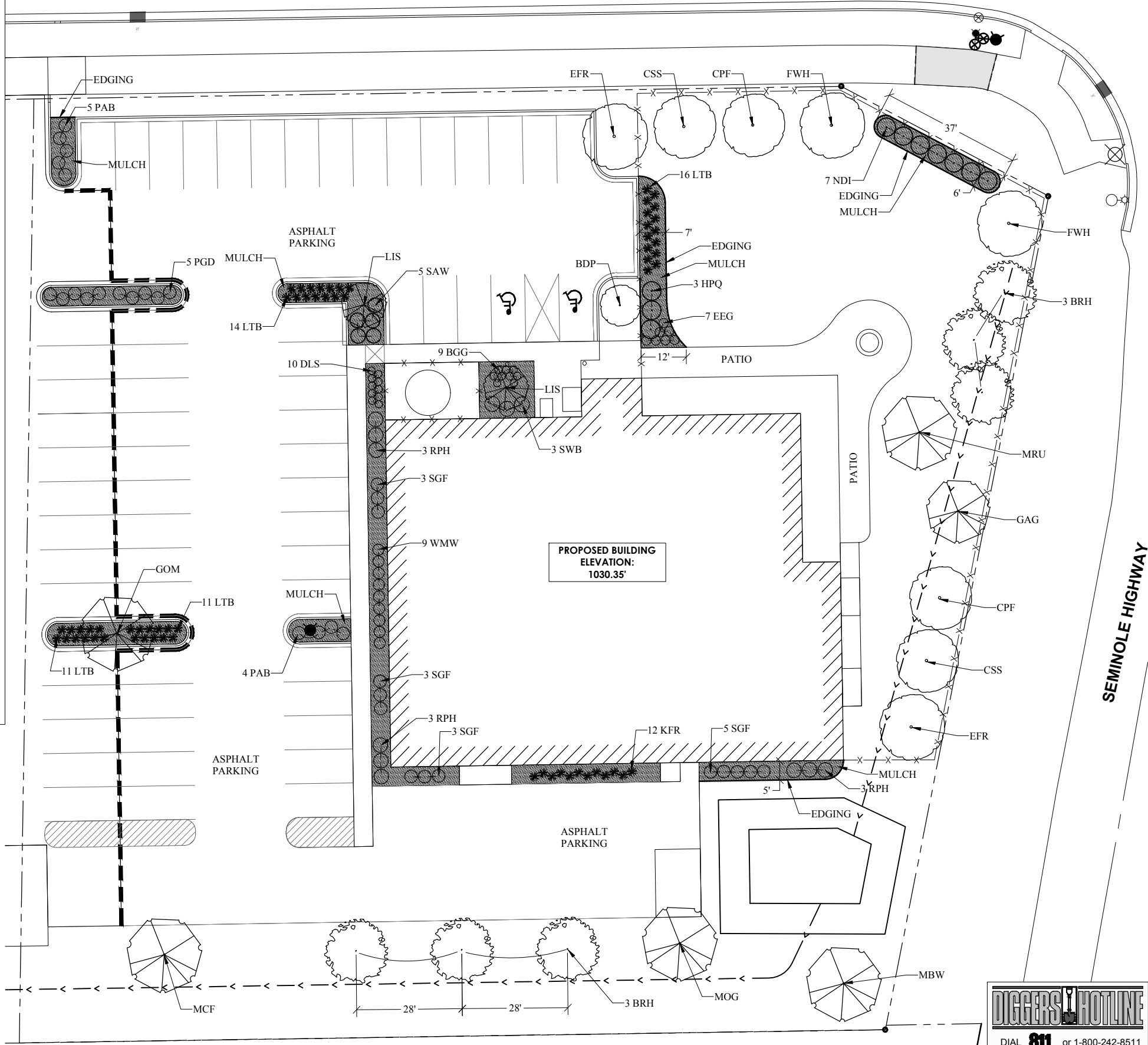
PERENNIALS

Key	Common Name	(Botanical Name)	Spacing (Inches O/C)	Comments
DLS	DAYLILY	(HEMEROCALLIS 'STELLA D'ORO')	24	18" HT
				YELLOW FLOWER

ORNAMENTAL GRASSES

Key	Common Name	(Botanical Name)	Spacing (Inches O/C)	Comments
KFR	'KARL FOERSTER' FEATHER REED GRASS	(CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER')	30	5'-6' HT
LTB	LITTLE BLUESTEM	'THE BLUES'	30	2'-3' HT
		(SCHIZACHYRIUM SCOPARIUM 'THE BLUES')		CRIMSON-RED FALL COLOR

*Perennials, ornamental grasses, and sedges are shown as gallon container size.



General Engineering Company

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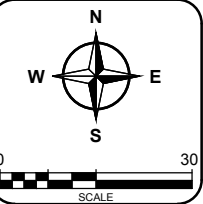
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PROPOSED LANDSCAPE PLAN  
HOP HAUS BREWING  
SUPREME STRUCTURES

CITY OF FITCHBURG  
DANE COUNTY, WI

REVISIONS	NO.	BY	DATE



**DIGGERS HOTLINE**  
DIAL 811 or 1-800-242-8511  
To Obtain Location of Participants Underground Facilities Before You Dig in Wisconsin  
Wis Statute 182.0175 (1974)  
Requires Min. 3 Work Days Notice Before You Excavate

DRAWN BY	SRR
REVIEWED BY	BRB
ISSUE DATE	JUNE 2019
GEC FILE NO.	2-1118-526
SHEET NO.	

C12.1



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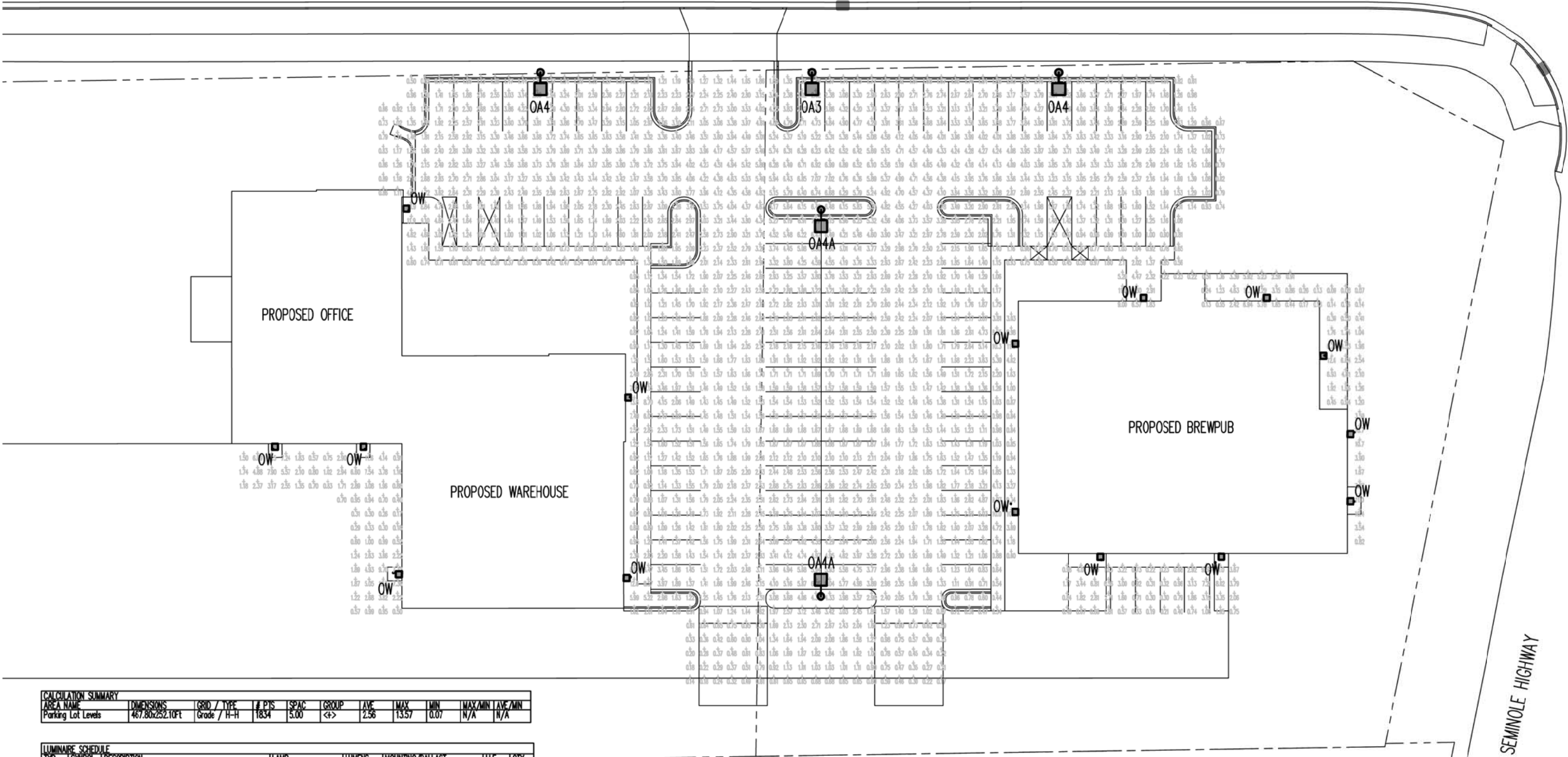
SITE LIGHTING PHOTOMETRIC PLAN  
HOP HAUS BREWING  
SUPREME STRUCTURES  
CITY OF FITCHBURG  
DANE COUNTY, WI

REVISIONS	NO.	BY	DATE



DRAWN BY RDH  
REVIEWED BY RDH  
ISSUE DATE APR 2019  
GEC FILE NO. 2-1118-526  
SHEET NO.

SUBZERO PARKWAY



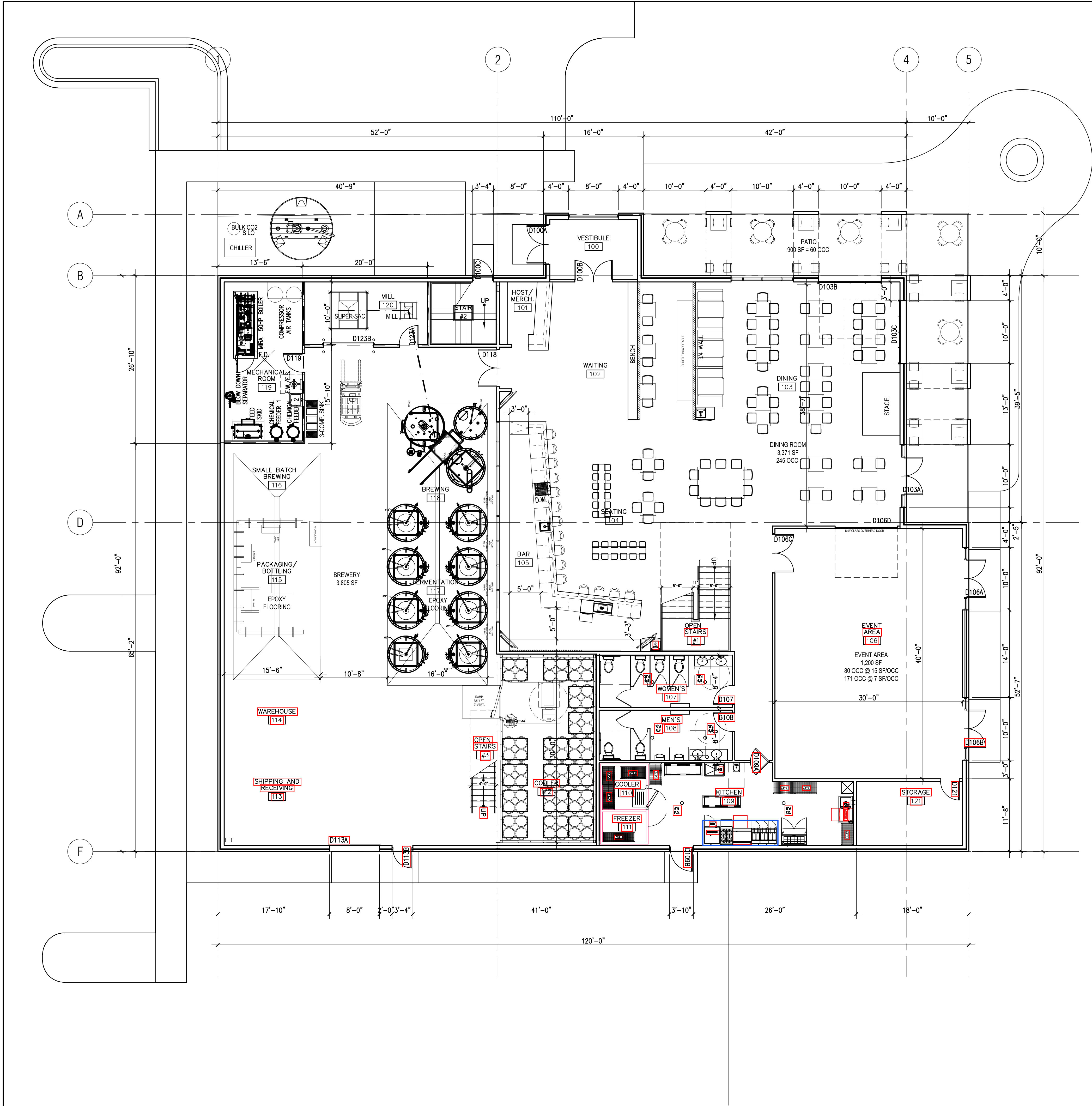
AREA NAME	DIMENSIONS	GRID / TYPE	# P.TS	SPAC	GROUP	AVE	MAX	MIN	MAX/MIN	AVE/MIN
Parking Lot Levels	467.80x252.10Ft	Grade / H-H	1834	5.00	<4>	2.56	13.57	0.07	N/A	N/A

TYPE	SYMBOL	DESCRIPTION	LAMP	LUMENS	MOUNTING/HALLAST	LUF	QTY
OA3		LSI INDUSTRIES, Mirada III MRM-LED-24L-SIL-3-40-70CRI-IL	(1)	19336	243 SSS 3' Conc Base	1.00	1
OA4		LSI INDUSTRIES, Mirada IV MRM-LED-24L-SIL-FT-40-70CRI-IL	(1)	16795	243 SSS 3' Conc Base	1.00	2
OA4A		LSI INDUSTRIES, Mirada IV MRM-LED-24L-SIL-FT-40-70CRI	(1)	25981	243 SSS 3' Conc Base	1.00	2
OW		LSI INDUSTRIES, LSI Slimlight WPSLS-20-45	(1)	2309	Wall	1.00	15

AREA NAME	TYPE	DIMENSIONS	LUMENS / <ASMS>	WATTS / SQ.FT	QTY
Parking Lot Levels	OUT	467.80x252.10Ft	<OA3 > (1) <OA4 > (2) <OA4A> (2) <OW > (15)	0.01	1

1 SITE LIGHTING PHOTOMETRIC PLAN  
SCALE: AS SHOWN





FLOOR PLAN GENERAL NOTES

- A. MECHANICAL, ELECTRICAL AND PLUMBING IMPROVEMENTS TO BE DESIGN BUILD. DESIGNED AS REQUIRED BY CURRENT BUILDING CODES. MEP DESIGN-BUILD CONTRACTOR(S) RESPONSIBLE FOR ENSURING CODE-COMPLIANT CONSTRUCTION OF NEW SYSTEMS IN TENANT SPACE.
- B. PROVIDE ACCESSIBLE TOILET ROOM FIXTURES AND ACCESSORIES PER MOUNTING HEIGHTS INDICATED ON SHEET A0.2
- C. PROVIDE ADA APPROVED THRESHOLDS AT ALL NEW FLOOR TRANSITIONS AND DOORWAYS
- D. DIMENSIONS ARE TO FACE OF WALL OR TO COLUMN CENTERLINE UNLESS OTHERWISE NOTED. VERIFY ALL EXISTING CONDITIONS AND ADJUST WALL DIMENSIONS ACCORDINGLY. CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- E. CONTRACTOR SHALL NOTIFY ARCHITECT, ENGINEER AND OWNER IMMEDIATELY UPON DISCOVERING ANY UNANTICIPATED STRUCTURAL CONDITIONS OR DISCREPANCIES WITH PROPOSED MODIFICATIONS.
- F. GENERAL CONTRACTOR TO SECURE CONSTRUCTION AREA DURING CONSTRUCTION WORK. SEAL ALL DOORS AS REQUIRED, CONSTRUCT AND MAINTAIN A FLOOR TO CEILING DUST BARRIER, TO PROVIDE SEPARATION FOR DUST, DEBRIS AND SOUND.
- G. GENERAL CONTRACTOR TO MAINTAIN PATH THROUGH PORTIONS OF THE CONSTRUCTION AREA FOR ACCESS TO EGRESS ROUTES.
- K. SUBMIT ALL FINISHES TO THE ARCHITECT FOR APPROVAL

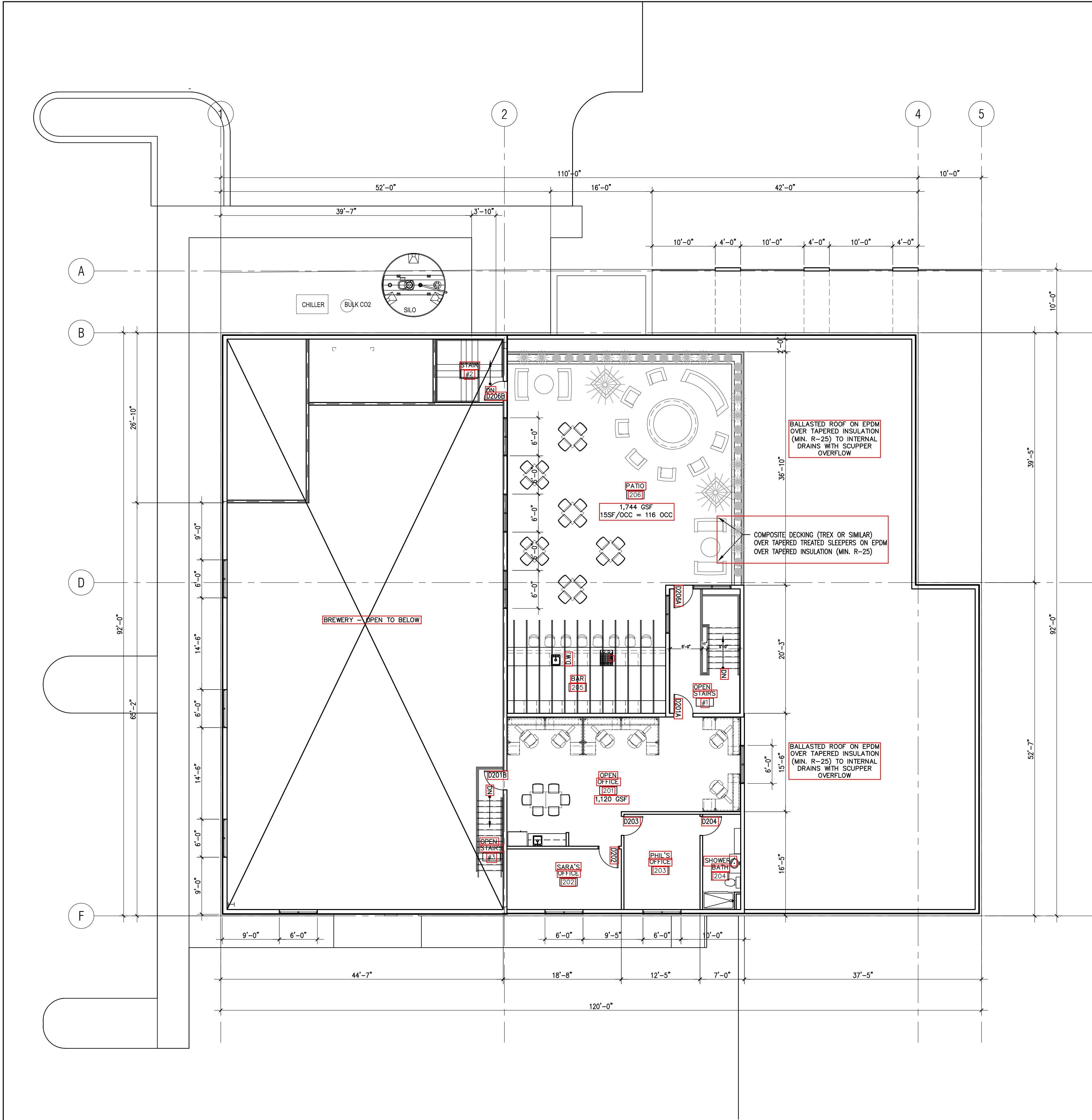
HATCH PATTERNS KEY:

- NEW CONSTRUCTION
- NEW CONSTRUCTION PARTIAL HEIGHT WALL
- EXISTING CONSTRUCTION
- DEMOLITION



NOT FOR CONSTRUCTION





FLOOR PLAN GENERAL NOTES

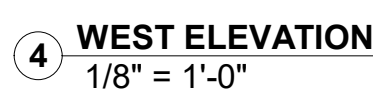
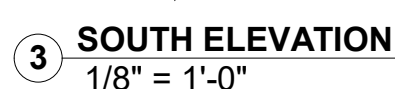
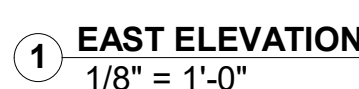
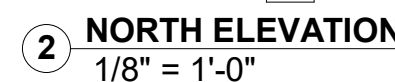
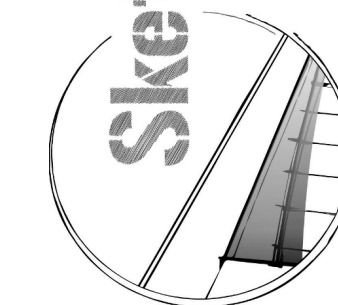
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HATCH PATTERNS KEY:

	NEW CONSTRUCTION
	NEW CONSTRUCTION PARTIAL HEIGHT WALL
	EXISTING CONSTRUCTION
	DEMOLITION

NOT FOR CONSTRUCTION





EXTERIOR MATERIAL LIST					
#	DESCRIPTION	MANUFACTURER	TYPE/STYLE	COLOR	COMMENTS
1	METAL PANEL (DARK PANEL)	PAC-CLAD		GRAPHITE	
2	METAL PANEL (LIGHT PANEL)	PAC-CLAD		GRANITE	
3	PRE-FINISHED METAL COPING & TRIM			MIDNIGHT BRONZE	
4	ALUMINUM STOREFRONT			BROWN ANODIZED	
6	HALLOW METAL DOOR			PAINTED TO MATCH METAL PANEL	
7	FENCING			BLACK	
8	SPLIT-FACE MASONRY			TBD	
9	FIBER CEMENT BOARD			CEDER	
10	GLASS OVERHEAD DOOR			CLEAR	
11	EXTERIOR LIGHT FIXTURE			ANODIZED BRONZE	
12	ROOF PLANTERS			CEDER	
13	GUARDRAIL			ANODIZED BRONZE	
14	VINYL TRELLIS			CEDER	
15	OTUDOOR STRING LIGHTING				
16	GRIN SILO			PAINTED TO MATCH METAL PANEL	
17	INSULATED OVERHEAD DOOR			PAINTED TO MATCH METAL PANEL	
18	EXTERIOR HALLO METAL INSULATED DOOR			PAINTED TO MATCH METAL PANEL	
19	BRICK MASONRY VENEER			TBD	
20	SINGNAGE			TBD	
21	WOOD TRIM			CEDER	
22	FRAMFD CANOPY			ANODIZED BRONZE	

**HOP HAUS BREWING**

**NEW FACILITY**

**SEMINOLE HWY / SUBZERO PARKWAY  
FITCHBURG, WI**

## EXTERIOR ELEVATIONS

### Project Status

2019.06.12	P.C / ADR
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### A3.1

**NOT FOR CONSTRUCTION**