



December 2012

COUNTY OF KENOSHA

Department of Planning and Development

RECEIVED

DEC 09 2016

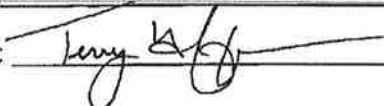
Kenosha County
Deputy County Clerk

CONDITIONAL USE PERMIT APPLICATION

(a) Property Owner's Name:

Wisconsin Electric Power Company (d/b/a We Energies)

Print Name: Terry Hoffman

Signature: 

Mailing Address: 231 W. Michigan Drive

City: Milwaukee

State: WI

Zip: 53203

Phone Number: (414) 221-3000

E-mail (optional): Terry.Hoffman@we-energies.com

Note: Unless the property owner's signature can be obtained in the above space, a letter of agent status signed by the legal property owner must be submitted if you are a tenant, leaseholder, or authorized agent representing the legal owner, allowing you to act on their behalf.

(b) Agent's Name (if applicable):

Print Name: Brian Forston

Signature: Brian Forston

Digitally signed by Brian Forston
DN: C=US, E=brian.forston@jpcullen.com,
O=JP Cullen, CN=Brian Forston
Reason: I am approving this document
Date: 2016.12.06 12:36:07-06'00'

Business Name: JP CULLEN

Mailing Address: 330 E. Delavan Drive

City: Janesville

State: WI

Zip: 53546

Phone Number: 6087518420

E-mail (optional): brian.forston@jpculle.com

(c) Architect's Name (if applicable):

Print Name: Tim Einwalter

Signature: 

Business Name: GRAEF

Mailing Address: 125 South 84th Street, Suite 401 Milwaukee, WI 53214-1479

City: Milwaukee

State: WI

Zip: 53214

Phone Number: 4142591500

E-mail (optional): Tim.Einwalter@Graef-usa.com

(d) Engineer's Name (if applicable):

Print Name: Michael J. Horne P.E.

Signature: 

Digitally signed by Michael J. Horne P.E.
DN: C=US, E=mike.horne@graef-usa.com,
O=GRAEF, CN=Michael J. Horne P.E.
Date: 2016.12.07 09:56:07-06'00'

Business Name: GRAEF

Mailing Address: 125 South 84th Street, Suite 401 Milwaukee, WI 53214-1479

City: Milwaukee

State: WI

Zip: 53214

Phone Number: 4142591500

E-mail (optional): mike.horne@Graef-usa.com

CONDITIONAL USE PERMIT APPLICATION

(e) Tax key number(s) of subject site:

45-2-221-041-0225

Address of the subject site:

335 N. 172nd Ave, Union Grove, WI 53182

(f) Plan of Operation (or attach separate plan of operation)

Type of structure:

2000 SF Main data Facility

Proposed operation or use of the structure or site:

Data Facility.

Number of employees (by shift): 0. 20 hours per month. Unoccupied facility

Hours of Operation: 24 hours, 7 days a week

Any outdoor entertainment? If so, please explain: no

Any outdoor storage? If so, please explain: no

Zoning district of the property: I-1

(g) Attach a plat of survey prepared by a land surveyor registered by the State of Wisconsin or site plan drawn to scale and approved by the Department of Planning and Development showing all of the information required under section 12.05-1(h)3 for a zoning permit. In addition, the plat of survey or site plan layout shall show the location, elevation and use of any abutting lands and the location and foundation elevations of structures within 50 feet of the subject site; soil mapping unit lines; ordinary high water mark, historic high water marks and floodlands on or within 50 feet of the subject premises, and existing and proposed landscaping.

CONDITIONAL USE PERMIT APPLICATION

For conditional use permit applications that are made within shoreland and floodland areas, such description shall also include information that is necessary for the County Planning, Development & Extension Education Committee to determine whether the proposed development will hamper flood flows, impair floodplain storage capacity, or cause danger to human, animal or aquatic life. This additional information may include plans, certified by a registered professional engineer or land surveyor, showing existing and proposed elevations or contours of the ground; fill or storage elevation; basement and first floor elevations of structures; size, location, and spatial arrangement of all existing and proposed structures on the site; location and elevation of streets water supply and sanitary facilities; aerial photographs, and photographs showing existing surrounding land uses and vegetation upstream and downstream; soil types and any other pertinent information required by either the Planning, Development & Extension Education Committee or the Office of Planning and Zoning Administration:

(h) The Kenosha County Department of Planning and Development may ask for additional information.

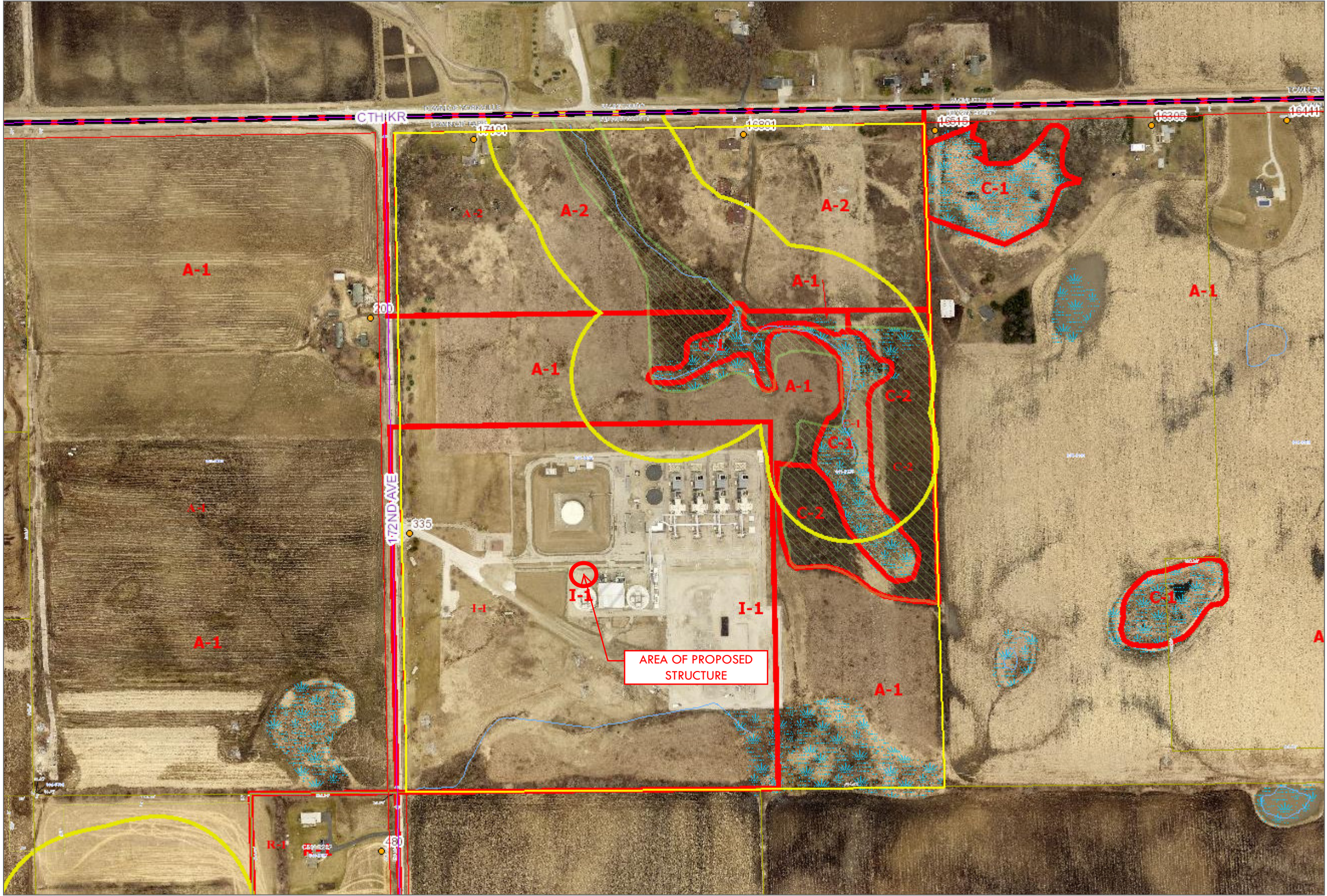
(i) The fee specified in Section 12.05-8 of this ordinance.
Request for Conditional Use Permit..... \$750.00

(For other fees see the Fee Schedule)

- Legend**
- Street Centerlines
 - Right-of-Ways
 - Address Points
 - Water Features
 - Parcels
 - Certified Survey Maps
 - Condominiums
 - Subdivisions
 - Municipal Boundaries
- Environmental Corridors**
- Primary Enviro Corridor
 - Secondary Enviro Corridor
- Special Flood Hazard Area**
- A; AE; AO
 - Shoreland Areas
 - Zoning (Unincorporated Areas)
 - Wetlands

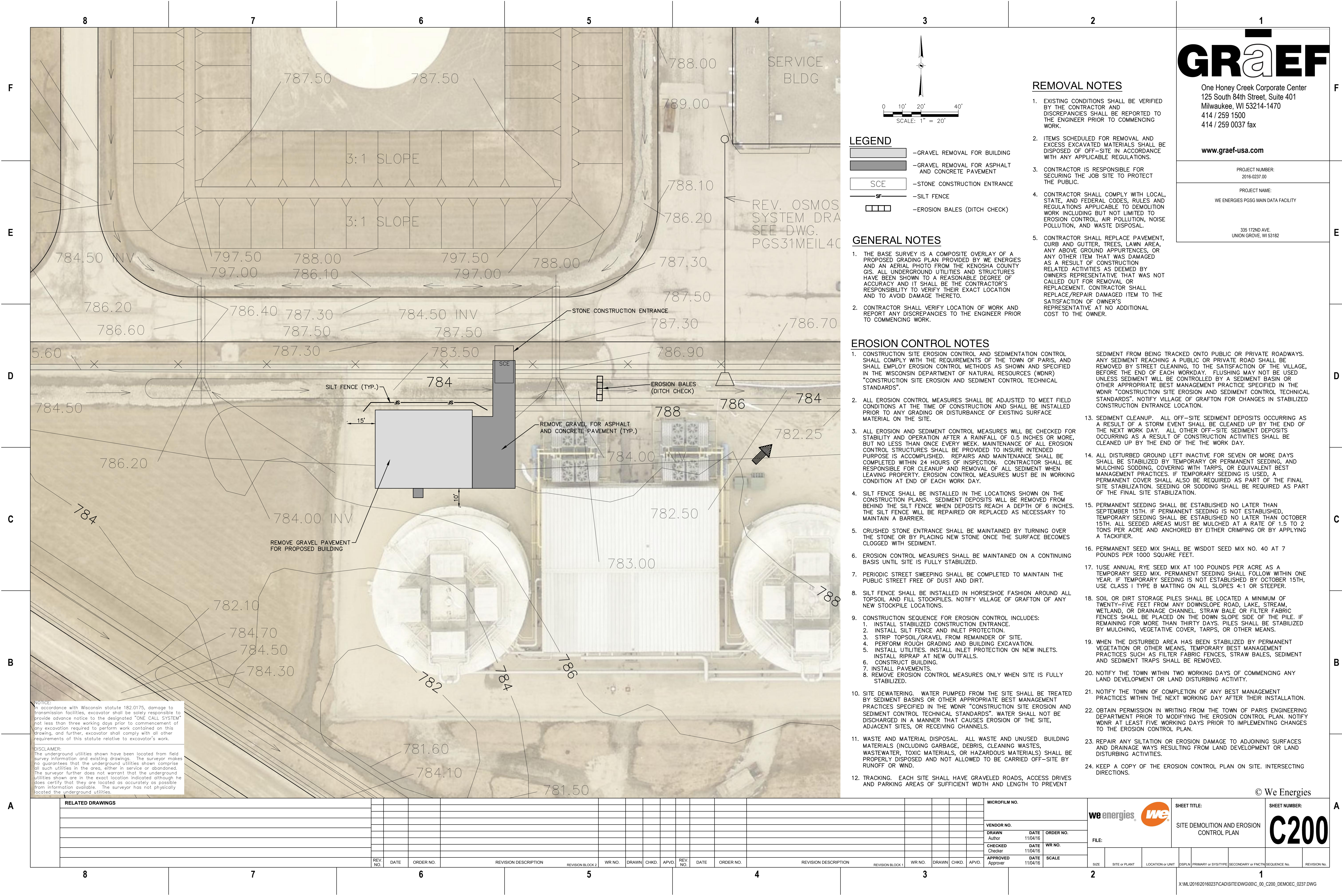


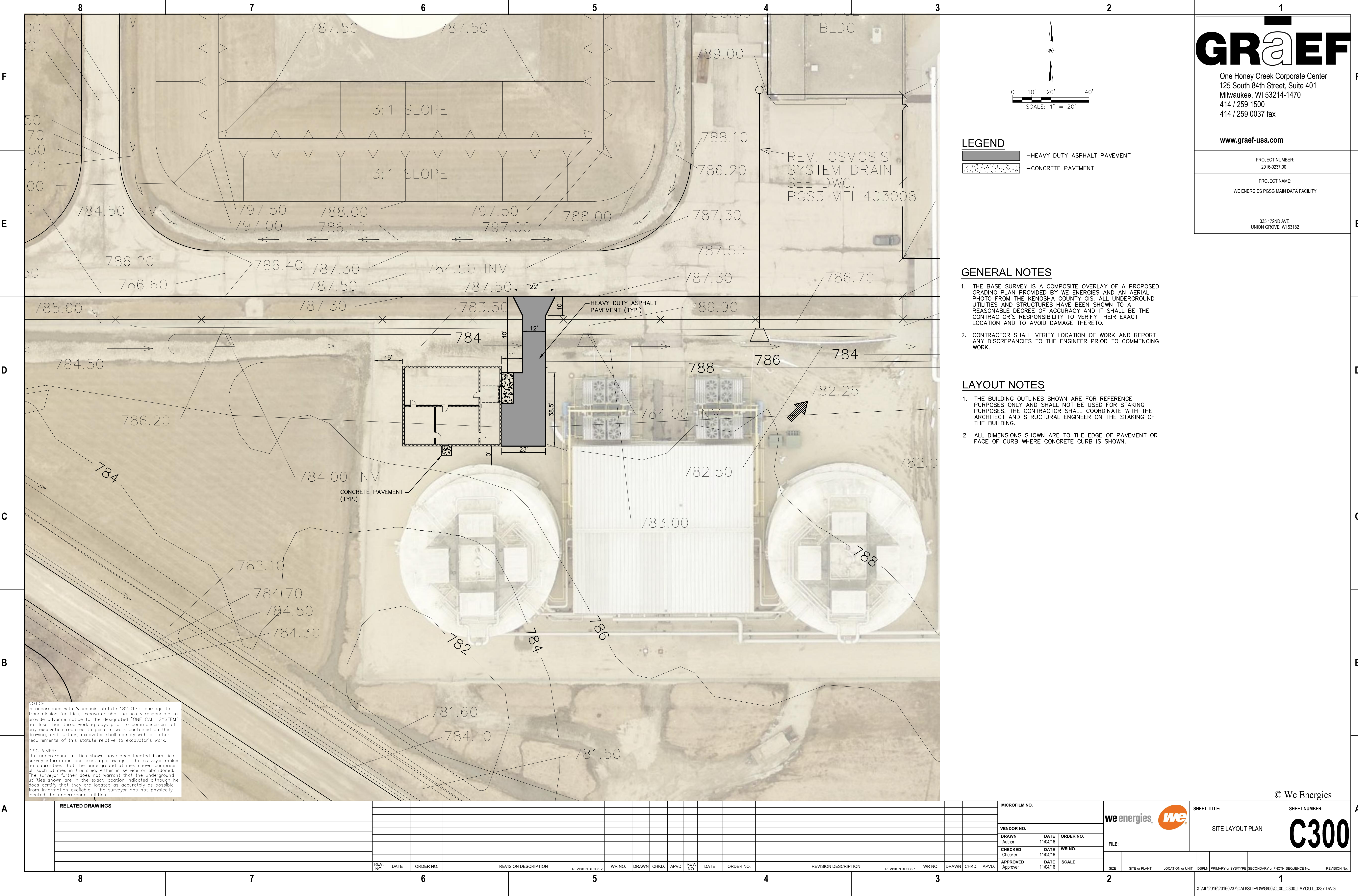
1 inch = 350 feet

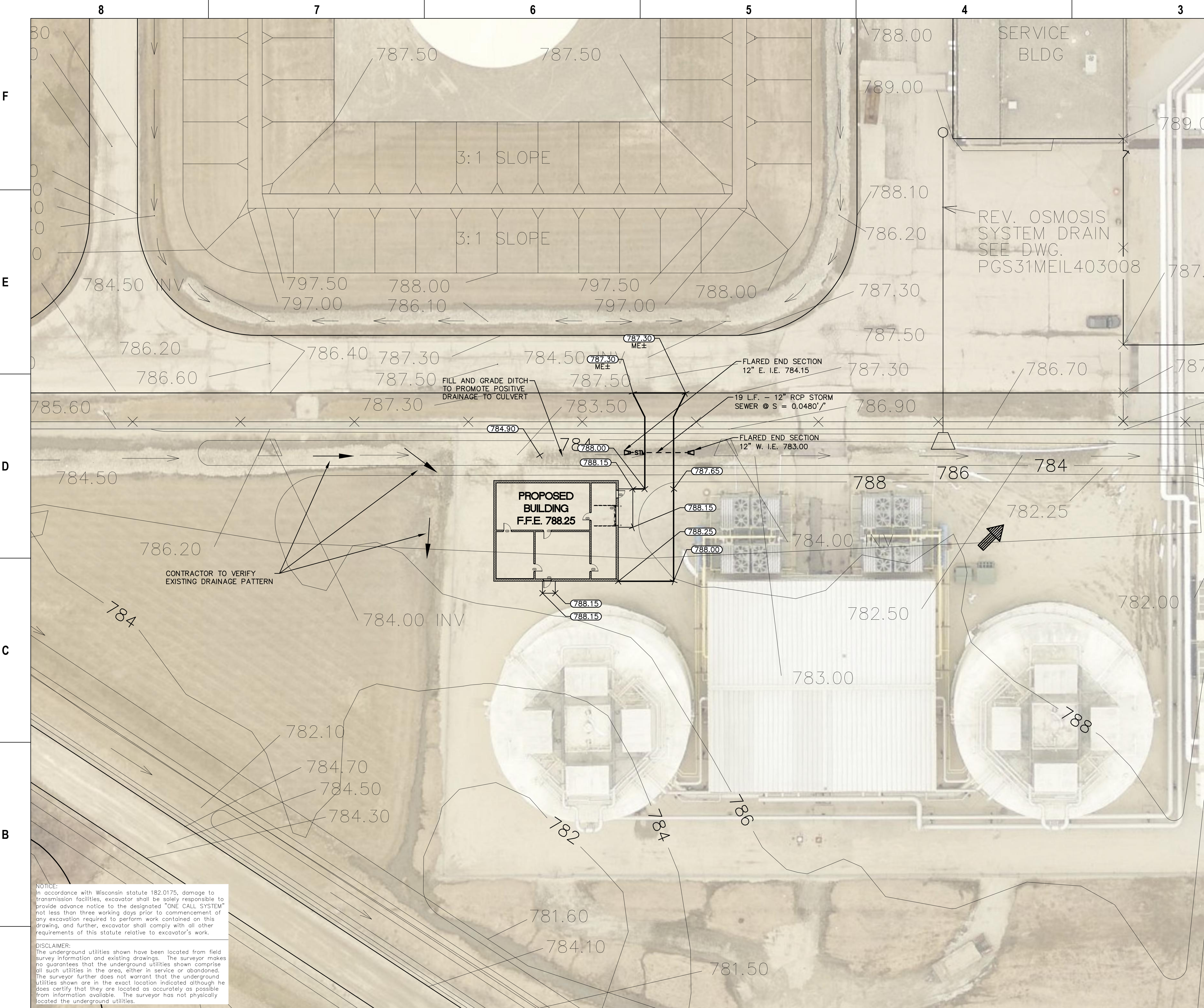


DISCLAIMER This map is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, data and information located in various state, county and municipal offices and other sources affecting the area shown and is to be used for reference purposes only. Kenosha County is not responsible for any inaccuracies herein contained. If discrepancies are found, please contact Kenosha County.

Date Printed: 11/22/2016







LEGEND

- EXISTING CONTOUR
- CONTOUR
- STW- - - - -STORM SEWER
- FLARED END SECTION
- SPOT ELEVATION
- MATCH EXISTING ELEVATION

GENERAL NOTES

- THE BASE SURVEY IS A COMPOSITE OVERLAY OF A PROPOSED GRADING PLAN PROVIDED BY WE ENERGIES AND AN AERIAL PHOTO FROM THE KENOSHA COUNTY GIS. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
- CONTRACTOR SHALL VERIFY LOCATION OF WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

UTILITY NOTES

- CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING INVERTS PRIOR TO INSTALLATION OF PROPOSED UTILITIES.
- PIPE LENGTHS AND INVERTS ARE TO CENTER OF STRUCTURES.
- CRUSHED STONE BACKFILL SHALL BE USED UNDER AND WITHIN 5' OF ALL PAVED AREAS.

GRAEF


One Honey Creek Corporate Center
125 South 84th Street, Suite 401
Milwaukee, WI 53214-1470
414 / 259 1500
414 / 259 0037 fax

www.graef-usa.com

PROJECT NUMBER:
2016-0237.00

PROJECT NAME:
WE ENERGIES PGSG MAIN DATA FACILITY

335 172ND AVE.
UNION GROVE, WI 53182

RELATED DRAWINGS																														MICROFILM NO.										weenergies 										SHEET TITLE:										SHEET NUMBER:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	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MICROFILM NO.		
VENDOR NO.		
DRAWN MAB	DATE 10/25/16	ORDER NO.
CHECKED TJE	DATE 10/25/16	WR NO.
APPROVED TJE	DATE 10/25/16	SCALE



E8



E6

D

A8



A5

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DESIGN SPECIFICATIONS

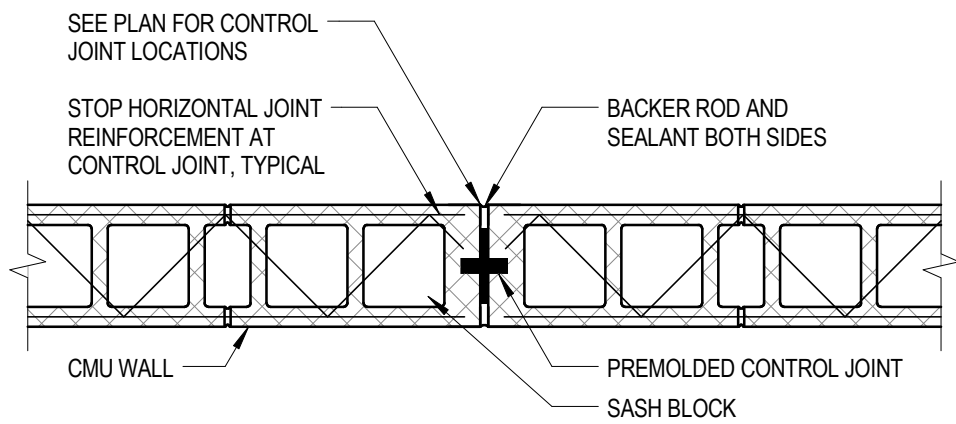
- DESIGN IS IN ACCORDANCE WITH THE STATE OF WISCONSIN AND THE 2009 INTERNATIONAL BUILDING CODE.
- MINIMUM 28 DAY CONCRETE CYLINDER STRENGTH SHALL BE:

FOOTINGS	3000 PSI
SLABS ON GROUND	3500 PSI
FOUNDATION WALLS	3000 PSI
- REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
- CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 TYPE II NORMAL WEIGHT UNITS.
- CONCRETE MASONRY BRICK SHALL CONFORM TO ASTM C55 GRADE SW.
- MORTAR SHALL CONFORM TO ASTM C270 TYPE S.
- MASONRY GROUT SHALL CONFORM TO ASTM C476. MINIMUM COMPRESSIVE STRENGTH SHALL BE $f_c = 3000$ PSI.
- MINIMUM COMPRESSIVE STRENGTH OF UNREINFORCED CONCRETE MASONRY CONSTRUCTION SHALL BE $f_m = 1500$ PSI.
- MINIMUM COMPRESSIVE STRENGTH OF REINFORCED CONCRETE MASONRY CONSTRUCTION SHALL BE $f_m = 1500$ PSI.
- STRUCTURAL STEEL W-SHAPES SHALL CONFORM TO ASTM A992 GRADE 50.
- STRUCTURAL STEEL PLATES, ANGLES, CHANNELS, AND OTHER ROLLED MEMBERS SHALL CONFORM TO ASTM A36.
- ADHESIVE ANCHORS SHALL BE HILTI HIT-HY 200.
- MINIMUM REQUIRED BEARING CAPACITY FOR SPREAD FOOTINGS IS 2000 PSF.
- DESIGN LOADS:

FLOOR LIVE LOADS (IBC 2009) OFFICES	50 PSF
MINIMUM ROOF LIVE LOAD	20 PSF
LIVE LOAD REDUCTION PER IBC 2009 SECTION 1607.9 IS INCLUDED	
ROOF SNOW LOAD (ASCE 7-05) OCCUPANCY CATEGORY	III
IMPORTANCE FACTOR	$I_s = 1.10$
GROUND SNOW LOAD	$P_g = 30$ PSF
FLAT ROOF SNOW LOAD	$P_f = 25$ PSF
EXPOSURE FACTOR	$C_e = 0.9$
THERMAL FACTOR	$C_t = 1.0$
WIND LOAD (ASCE 7-05) OCCUPANCY CATEGORY	III
IMPORTANCE FACTOR	$I_w = 1.15$
BASIC WIND SPEED	$V = 90$ MPH
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	$GCF_i = +/- 0.18$
COMPONENTS AND CLADDING	REFER TO TABLE THIS SHEET
SEISMIC LOAD (IBC 2009) OCCUPANCY CATEGORY	III
IMPORTANCE FACTOR	$I_e = 1.25$
SPECTRAL RESPONSE ACCELERATIONS	$S_S = 0.105 g$ $S_1 = 0.44 g$
SPECTRAL RESPONSE COEFFICIENTS	$SDS = 0.112 g$ $SD1 = 0.070 g$
SEISMIC RESPONSE COEFFICIENT	$C_s = 0.70$
RESPONSE MODIFICATION FACTOR	$R = 2$
SOIL SITE CLASS	D
SEISMIC DESIGN CATEGORY	B
BASIC SEISMIC FORCE RESISTING SYSTEM	ORDINARY SHEAR WALLS

- RESISTANCE TO LATERAL LOADS ON STRUCTURE IS PROVIDED BY MASONRY SHEAR WALLS AND ROOF DIAPHRAGMS. CONTRACTOR SHALL PROVIDE SUFFICIENT TEMPORARY BRACING UNTIL ALL LATERAL SUPPORT SYSTEMS ARE IN PLACE AND FUNCTIONAL.
- ALL STRUCTURAL FRAMING AND CONNECTIONS HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE STRUCTURAL FRAMING AND CONNECTIONS FOR ADEQUACY DURING THE ERECTION AND CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR.

- CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND JOB SITE SAFETY.



CMU WALL VERTICAL CONTROL JOINT (CJ)

1" = 1'-0"

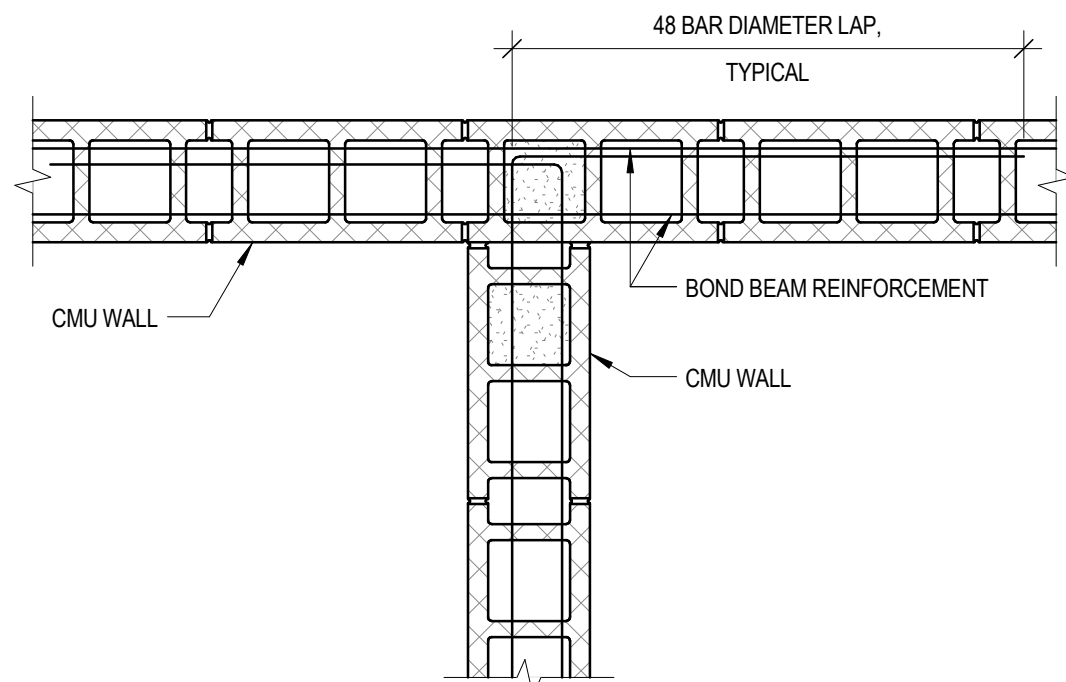
GENERAL NOTES

EARTHWORK

- FOOTINGS SHALL BE CAST ON UNDISTURBED SUBSOIL. IF DESIGN CAPACITY IS NOT ENCOUNTERED AT THE ELEVATIONS SHOWN, FOOTINGS MUST BE LOWERED. CONSULT CONTRACTOR'S GEOTECHNICAL ENGINEER BEFORE PROCEEDING.
- PREVIOUS GEOTECHNICAL REPORTS INDICATE 5 TO 8 FEET OF FILL AT THIS SITE. CONTRACTOR TO REMOVE FILL SOILS AND REPLACE WITH LEAN MIX CONCRETE UNDER ALL FOOTINGS AND THICKENED SLABS AS DIRECTED BY CONTRACTOR'S GEOTECHNICAL ENGINEER.
- NO HOLES, TRENCHES OR DISTURBANCES OF THE SOIL SHALL BE ALLOWED WITHIN THE VOLUME DESCRIBED BY 45 DEGREE LINES SLOPING FROM THE BOTTOM EDGE OF THE FOOTING. IF SUCH ARE REQUIRED, FOOTINGS MUST BE LOWERED.
- BACKFILL EVENLY ON EACH SIDE OF FOUNDATION WALLS.
- TOPSOIL AND FILL BELOW SLABS ON GROUND SHALL BE REMOVED. AGGREGATE BASE COURSE UNDER SLABS ON GROUND SHALL BE 12" BANK RUN GRAVEL COMPACTED TO 6-INCH LAYERS.
- BACKFILL AGAINST INTERIOR FOUNDATION WALLS SHALL BE BANK RUN GRAVEL COMPACTED TO MAXIMUM 6-INCH LAYERS OR MATERIAL APPROVED BY CONTRACTOR'S GEOTECHNICAL ENGINEER.
- BACKFILL AGAINST EXTERIOR FOUNDATION WALLS SHALL BE BANK RUN GRAVEL COMPACTED TO MAXIMUM 6-INCH LAYERS.

CONCRETE

- FORMWORK SHALL BE DESIGNED IN ACCORDANCE WITH THE ACI "MANUAL OF CONCRETE PRACTICE", LATEST EDITION.
- REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE ACI "MANUAL OF CONCRETE PRACTICE", LATEST EDITION, UNLESS OTHERWISE NOTED.
- LAP ALL WALL BARS 30 DIAMETERS UNLESS OTHERWISE DETAILED. LAP WELDED WIRE MESH 6 INCHES.
- CONCRETE PROTECTION FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", ACI 318-08.
- SLABS ON GRADE SHALL BE CAST ALLOWING A SUFFICIENT NUMBER OF JOINTS TO ADEQUATELY CONTROL SHRINKAGE CRACKING. SAWCUTTING SHALL BE DONE AS SOON AS SAWCUT WILL NOT RAVEL. CONCRETE OR WITHIN 24 HOURS MAXIMUM OF INITIAL POURING OPERATION. JOINTS SHALL BE SPACED 2.5 x THICKNESS NO GREATER THAN 15'x15' ASPECT RATIO OF 1:1.5 MAXIMUM.
- SLABS ON GRADE SHALL BE 6 INCHES THICK AND REINFORCED WITH 6x6 W2.0xW2.0 WELDED WIRE FABRIC.
- ALLOW AT LEAST 24 HOURS BEFORE POURING ADJACENT WALL SECTIONS BETWEEN CONSTRUCTION JOINTS. MAXIMUM LENGTH OF POUR TO BE 40 FEET.
- DO NOT PLACE OR CUT HOLES IN CONCRETE SLABS, BEAMS, WALLS OR COLUMNS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- EXTERIOR EXPOSED CONCRETE SHALL BE AIR-ENTRAINED. AIR CONTENT SHALL BE 6 PERCENT (+/-1 PERCENT).
- PIPES AND CONDUITS EMBEDDED IN OR PASSING THROUGH STRUCTURAL MEMBERS MUST BE APPROVED BY THE STRUCTURAL ENGINEER. PIPE AND CONDUITS EMBEDDED IN CONCRETE SHALL NOT BE LARGER THAN 2 INCHES IN OUTSIDE DIAMETER AT THEIR WIDEST POINT OR FITTING OR 1/3 OF THE THICKNESS OF THE SLAB, BEAM OR WALL.
- ELECTRICAL CONDUIT OR PIPES EMBEDDED IN OR PASSING THROUGH SLABS, BEAMS OR WALLS SHALL BE LOCATED AND PLACED SO THAT:
 - THEY ARE NOT CLOSER THAN THREE DIAMETERS ON CENTER.
 - THE CONCRETE COVER IS NOT LESS THAN [1-INCH] [2 INCHES]
 - THEY RUN BETWEEN REINFORCING AND DO NOT DISPLACE IT IN ANY MANNER.
- ALUMINUM CONDUITS SHALL NOT BE PLACED IN CONCRETE.
- CHAMFER ALL EXPOSED CONCRETE CORNERS. SEE ARCHITECTURAL/STRUCTURAL DRAWINGS FOR REQUIREMENTS.
- PROPER CURING PROCEDURES SHALL BE USED FOR SLAB ON GRADE TO PREVENT CURLING.
- CALCIUM CHLORIDE SHALL NOT BE USED IN CONCRETE MIXES.



BOND BEAM INTERSECTION

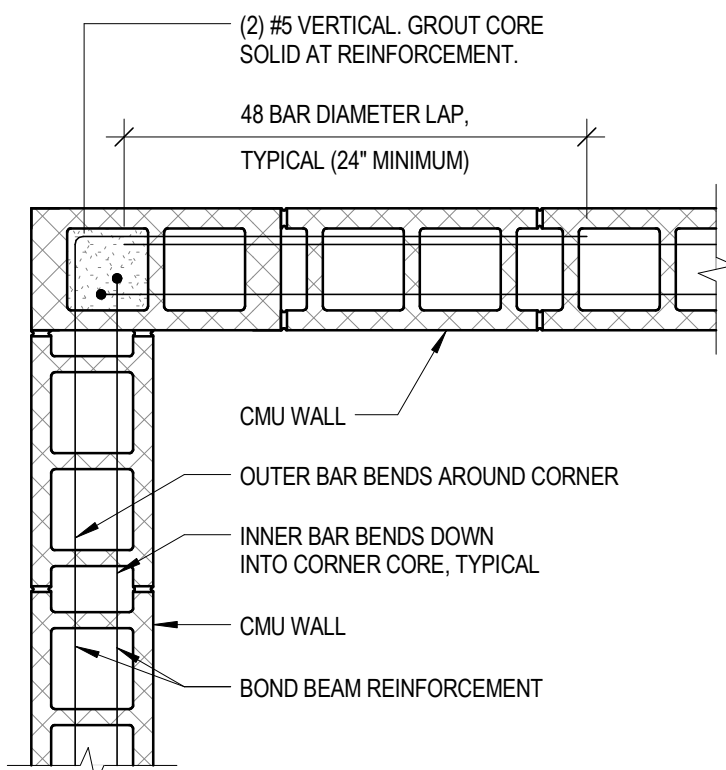
1" = 1'-0"

CONCRETE MASONRY

- PRODUCTION AND CONSTRUCTION OF CONCRETE MASONRY SHALL BE IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", ACI 530-08, AND THE NCMA "TEK MANUAL FOR CONCRETE MASONRY DESIGN AND CONSTRUCTION", LATEST EDITION.
- HOT AND COLD WEATHER CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE IMAC (INTERNATIONAL MASONRY INDUSTRY ALL-WEATHER COUNCIL) "RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR HOT AND COLD WEATHER MASONRY AND CONSTRUCTION".
- NO HOLES, TRENCHES OR DISTURBANCES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED.
- MASONRY WALLS SHALL BE ADEQUATELY BRACED TO RESIST WIND FORCES UNTIL PERMANENT DESIGN SUPPORTS ARE IN PLACE AND FUNCTIONAL.
- PROVIDE DOWELS INTO FOUNDATION THE SAME SIZE AND NUMBER AS WALL REINFORCING.
- LAP REINFORCING BARS 48 DIAMETERS.
- CONCRETE MASONRY WALLS SHALL BE REINFORCED AT EVERY OTHER BED JOINT WITH 9 GAGE TRUSS TYPE JOINT REINFORCEMENT.
- VERTICAL BARS SHOWN ON THE DESIGN DRAWINGS SHALL BE PLACED IN A CONTINUOUS UNOBSSTRUCTED CELL OF NOT LESS THAN 3 INCHES BY 4 INCHES.
- ALL BOND BEAMS SHALL BE REINFORCED AS SHOWN ON THE DESIGN DRAWINGS AND FILLED WITH GROUT.
- ALL DOOR AND WINDOW JAMBS SHALL BE GROUTED SOLID 8 INCHES WIDE UNLESS SHOWN OTHERWISE.
- WHERE NOT SHOWN OTHERWISE, MINIMUM SOLID GROUTED MASONRY BELOW BEAM REACTIONS SHALL BE 16 INCHES DEEP BY 32 INCHES LONG.
- WHERE NOT SHOWN OTHERWISE, MINIMUM SOLID GROUTED MASONRY BELOW LINTEL REACTIONS SHALL BE 16 INCHES DEEP BY 16 INCHES LONG.

STRUCTURAL STEEL

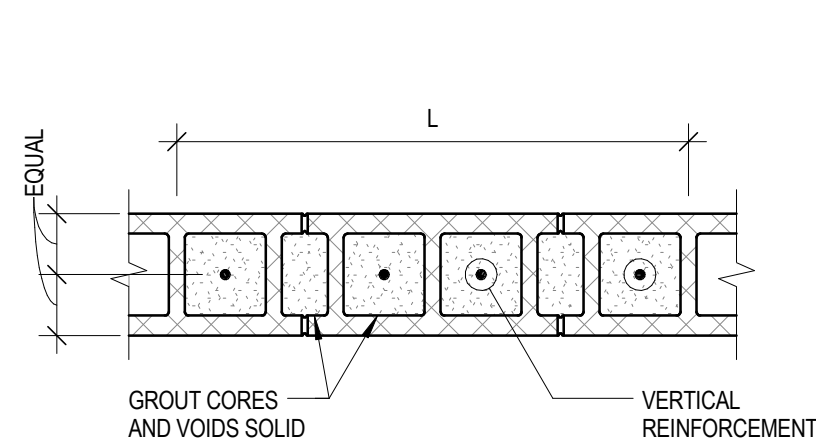
- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AISC "STEEL CONSTRUCTION MANUAL", THIRTEENTH EDITION, AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", MARCH 18, 2005 EDITION.
- STEEL DECK FABRICATION AND ERECTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE STEEL DECK INSTITUTE.
- ALL WELDING SHALL COMPLY WITH AWS D1.1 USING E70XX ELECTRODES. ALL WELDING TO BE DONE BY AWS PREQUALIFIED WELDERS, CERTIFIED FOR WELDS MADE. PROVIDE CONTINUOUS MINIMUM SIZED WELDS PER AISC REQUIREMENTS, UNLESS NOTED OTHERWISE.
- THE MINIMUM SIZE OF FILLET WELDS SHALL BE AS SPECIFIED IN TABLE J2.4 IN THE AISC "STEEL CONSTRUCTION MANUAL".
- BEAM-TO-BEAM CONNECTIONS SHALL BE MADE WITH DOUBLE ANGLES.
- MINIMUM NUMBER OF BOLTS FOR END SHEAR REACTIONS ARE AS FOLLOWS:
1. W8, W10 OR W12: 2
- BEAMS SHALL BE EQUALLY SPACED IN A BAY UNLESS NOTED OTHERWISE ON PLAN.
- STEEL ROOF DECK SHALL BE WIDE RIB PROFILE, 1 1/2-INCH DEEP AND 20 GAGE THICKNESS UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- DECK END LAPS SHALL BE 2-INCH MINIMUM AND SHALL OCCUR AT SUPPORTS.
- STEEL ROOF DECK SIDE LAPS TO BE SCREWED AT MIDSPAN WITH #10 TEK SCREWS.
- STEEL ROOF DECK SHALL BE FASTENED WITH 5/8" DIAMETER PUDDLE WELDS AS FOLLOWS:
 - WITHIN 10'-0" OF BUILDING PERIMETER = 36/7 WELDING PATTERN (1ST, 2ND, 4TH, 6TH & 7TH RIBS) AT NO GREATER THAN 6' O.C.
 - ELSEWHERE = 36/5 WELDING PATTERN (1ST, 2ND, 4TH, 6TH & 7TH RIBS) AT NO GREATER THAN 12' O.C.
- CLEAN, PREPARE, AND SHOP PRIME INTERIOR EXPOSED STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH SSPC STANDARDS SP-1 AND SP-3.
- WHILE THE DESIGN DOCUMENTS MAY REFERENCE OSHA, THEY ARE NOT INTENDED TO SPECIFICALLY IDENTIFY ALL APPLICABLE OSHA REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND COMPLY WITH ALL APPLICABLE OSHA REQUIREMENTS.
- ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, INCLUDING MASONRY SHELF ANGLES, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL MISCELLANEOUS STEEL.



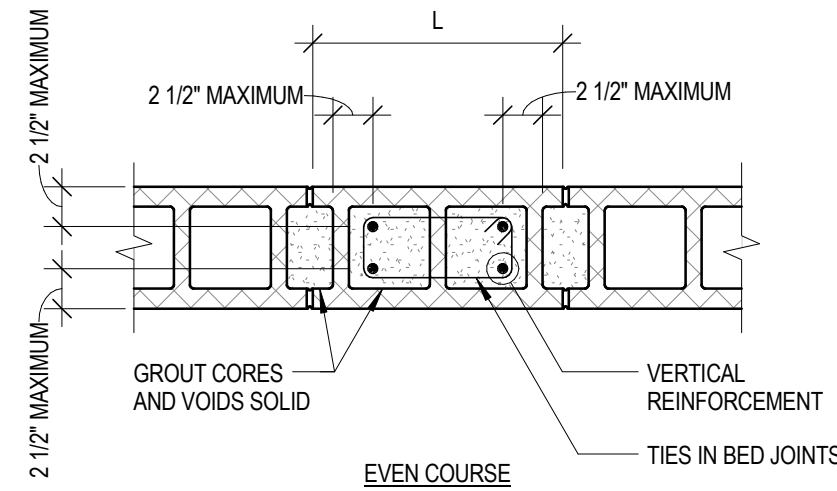
BOND BEAM CORNER

1" = 1'-0"

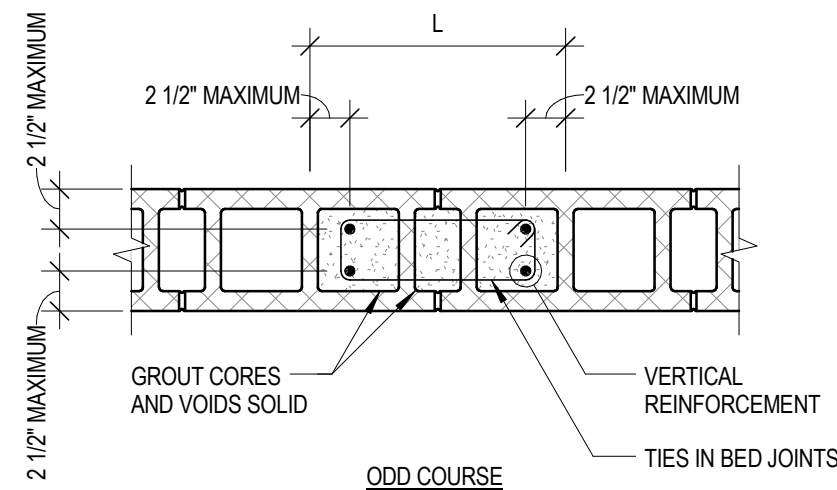
MASONRY PILASTER SCHEDULE					
MARK	TYPE	SIZE (L)	VERTICAL REINFORCEMENT	TIES	REMARKS
MP1	C	12"x24"	(4) #4	1/4@16"	
MP2	A	8"x24"	(4) #4	1/4@16"	



TYPE A



EVEN COURSE



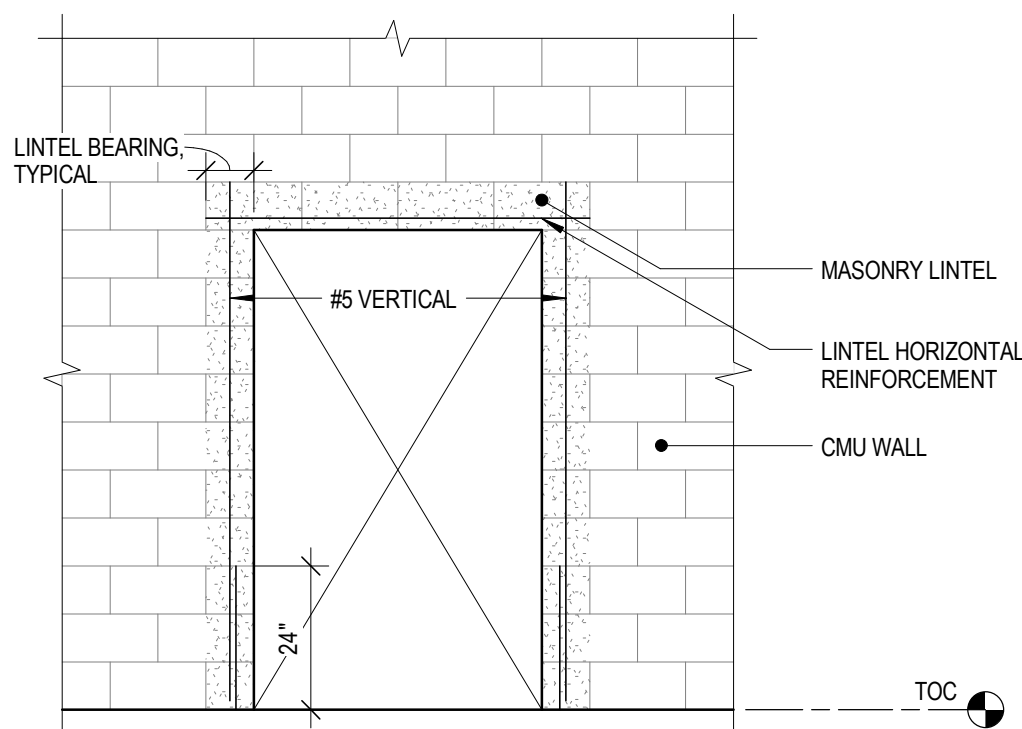
ODD COURSE

TYPE C

LINTEL SCHEDULE				
SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS				
WALL THICKNESS	SPAN	CMU LINTEL		CMU LINTEL TYPE
		DEPTH	REINFORCEMENT	
8"	3'-6" OR LESS	8"	(2) #5	-
		8"	(2) #5	-
12"	3'-6" OR LESS	8"	(2) #5	-
		8'-0"	(2) #5	-

CONCRETE MASONRY LINTEL NOTES:

- CMU LINTEL DEPTH IN SCHEDULE REFERS TO OVERALL DEPTH OF LINTEL BLOCK UNIT.
- REINFORCEMENT IN CMU LINTEL IS TO BE PROVIDED IN ONE LAYER IN THE BOTTOM OF THE UNIT UNLESS NOTED OTHERWISE.
- CMU LINTEL WIDTH SHALL BE THE SAME AS THE WALL SUPPORTED.
- CMU LINTELS SHALL BEAR A MINIMUM OF 8" EACH END UNLESS NOTED OTHERWISE.
- FILL CMU LINTELS SOLID WITH GROUT CONFORMING TO ASTM SPECIFICATION C470.



NOTES:

- GROUT ALL CELLS SOLID CONTAINING REINFORCEMENT

CMU WALL DOOR OPENING

3/8" = 1'-0"

© We Energies

GRAEF

One Honey Creek Corporate Center
125 South 84th Street, Suite 401
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414 / 259 0037 fax

www.graef-usa.com

PROJECT NUMBER:
20160237

PROJECT NAME:
WE ENERGIES PGSG MAIN DATA FACILITY

335 172ND AVE.
UNION GROVE, WI 53182

CULLEN

THE TOUGH JOB EXPERTS

F

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RELATED DRAWINGS

MICROFILM NO.

VENDOR NO.

DRAWN

CHECKED

APPROVED

DATE

DATE

DATE

ORDER NO.

WR NO.

SCALE

FILE:

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

S-001

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