DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [1] **Date: July 25, 2018**

RE: **SOUTHWEST WISCONSIN TECHNICAL COLLEGE**
COLD STORAGE BUILDINGS
1800 BRONSON BLVD
FENNIMORE, WI 53809
SWTC PROJECT #1819-01

FROM: HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated June 2018. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [2] page, pre-bid attendance, [2] letters, and [9] 24 x 36 drawings.

GENERAL REQUIREMENTS:

1. Pre-bid attendance attached hereto.
2. Conditional approval letters from State Code review attached hereto for bidders reference.

CHANGES TO SPECIFICATIONS:

3. Section 08 36 13 – SECTIONAL DOORS
    a. 2.01, A, 2: Delete “Model 3720”. Doors are not insulated.
    b. 2.03, B: Delete “insulated” from end of paragraph.
    c. 2.04, B: Delete “insulating tempered”. Glazing shall be ¼ inch laminated.
4. Section 13 34 19 – METAL BUILDING SYSTEMS
    a. 1.04: Manufacturer may adjust design/structural requirements to adjust bay spacing to fit overhead doors.
    b. 2.02, C: Secondary purlins shall be primed.
    c. 2.02, D: Sub-girt framing shall be inset between structural framing.
    d. 2.02, E: Roof panels shall be concealed fastener, standing seam, designed to span structural system and meet weather tightness warranty.
    e. Color of roof and siding panels shall match existing as close as possible from manufacturer’s standard line.
    f. 2.03: Add Paragraph C as follows:
    “Mezzanine floor shall be steel bar grating in size as designed to meet floor loads for storage capabilities as required by code.”

CHANGES TO DRAWINGS

5. Sheet A001R COVER SHEET AND SITE LOCATION MAP 24 x 36 attached hereto.
    a. Revisions clouded on Drawing
6. Sheet C2R BLDG 1200B SITE PLAN 24 x 36 attached hereto
    a. Revisions clouded on Drawing
7. Sheet C3R BLDG 1200B GRADING AND EROSION PLAN 24 x 36 attached hereto
    a. Erosion control measures added.
8. Sheet C4R BLDG 1200B UTILITY PLAN 24 x 36 attached hereto
    a. Revisions clouded on Drawing
9. Sheet C5R BLDG 1800 DEMOLITION PLAN 24 x 36 attached hereto
    a. Revisions clouded on Drawing
10. Sheet C6R BLDG 1800 SITE PLAN 24 x 36 attached hereto
    a. Revisions clouded on Drawing
11. Sheet C7R BLDG 1800 GRADING AND EROSION PLAN 24 x 36 attached hereto
    a. Erosion control measures added.
12. Sheet S001R STRUCTURAL NOTES 24 x 36 attached hereto
    a. Revisions clouded on Drawing
13. Sheet E101R BUILDING 1800 ELECTRICAL FLOOR PLAN
    a. Remove (2) pole mounted lights. Add (2) building mounted wall pack lights.

END OF DOCUMENT 00 90 00

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
HSR Associates
Celebrating 65 Years of Innovative Design

Pre-Bid Meeting Sign-In Sheet

July 23, 2018

PROJECT: **SOUTHWEST WISCONSIN TECHNICAL COLLEGE**
COLD STORAGE BUILDINGS
FENNIMORE, WISCONSIN 53809
HSR 18026

BID OPENING: 2:00 PM, August 7, 2018

Name	Company	E-mail
1. Doug Ramsey	HSR Associates	
2. Dan Imhoff	SWTC	
3. Ryan Rands	Midwest Builders	Info@midwestbuilderswi.com
4. NICK CHIAVEROTTI	MIDWEST BUILDERS	info@midwestbuilderswi.com
5. Matt Carroll	Momchilovich Drywall Paint	momdrywall@gmail.com
6. CASEY THOMPSON	BRICKL BROS.	CTHOMPSON@BRICLBROS.COM
7. Michael Diehl	Brickl Bros.	mdiehl@bricklbros.com
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DIVISION OF INDUSTRY SERVICES
10541 N RANCH RD
HAYWARD WI 54843-6462
Contact Through Relay
http://dsps.wi.gov/programs/industry-services
www.wisconsin.gov
Scott Walker, Governor
Laura Gutiérrez, Secretary

July 03, 2018

CUST ID No. 657532

ATTN: Buildings & Structures Building Inspector

DOUGLAS J RAMSEY
HSR ASSOCIATES INC
100 MILWAUKEE ST
LA CROSSE WI 54603-3116

MUNICIPAL CLERK
CITY OF FENNIMORE
860 LINCOLN AVE
FENNIMORE WI 53809

CONDITIONAL APPROVAL

(Please forward a copy of this letter to the fire department conducting inspections of this project.)

PLAN APPROVAL EXPIRES: 07/03/2020

Identification Numbers
Transaction ID No. 3097106 **Site ID No. 135169**
Please refer to both identification numbers, above, in all correspondence with the agency.

SITE:
Southwest Wisconsin Technical College
1800 Bronson Blvd
City of Fennimore, 53809
Grant County; Fire Dept ID: 2210
SE1/4, SW1/4, S20, T6NN, R2W

FOR:
Facility: 783534 SOUTHWEST WI TECH COLLEGE - BLDG 1200B COLD STORAGE BLDG
1800 BRONSON BLVD
FENNIMORE 53809

Object Type: Building ICC Regulated Object ID No.: 1760398 Code Applies Date: 06/28/18
Major Occupancy: Storage; Type IIB Metal Frame Unprotected class of construction; New plan; 8,554 project sq ft; Unsprinklered; Occupancy: S-2 Storage Low-Hazard

SITE REQUIREMENTS

- Contact both the State Inspector and the local municipality PRIOR to the start of construction.
- A full size copy of the approved plans, specifications and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. If plan index sheets were submitted in lieu of additional full plan sets, a copy of this approval letter and index sheet shall be attached to plans that correspond with the copy on file with the Department. If these plans were submitted in an electronic form, the designer is responsible to download, print, and bind the full size set of plans along with our approval letter. A department electronic stamp and signature shall be on the plans which are used at the job site for construction.

The following conditions shall be met during construction or installation and prior to occupancy or use:

KEY ITEM(S)

- **IBC 903.2.10.1** - Provide an automatic fire sprinkler system throughout buildings used for the storage of commercial motor vehicles where the fire area exceeds 5,000 sq. ft. ***Building is approved under the condition that no storage of commercial motor vehicles will be permitted in the building.***
- **IBC 1011.7/SPS 362.1011(2) -** Provide stairway construction materials consistent with the materials permitted for the type of construction of the building. Where using IBC 510.2 and 2 or more construction classes are served with 1 being combustible, the entire stair in the enclosure may be combustible. **IBC 413.1 -** This review did not include the storage of high-piled materials, which are defined by s. SPS 362.0202 as combustible materials and packaging over 12' high or for certain commodities such as

rubber tires, certain plastics, etc, over 6' high. High-piled storage is required to also comply with IFC ch. 23. ***No high piled combustible storage is permitted in this building.***

- **IBC 1003.3 -** Protruding objects on circulation paths are permitted to extend below the minimum ceiling height required by Section 1003.2.4 where a minimum headroom of 80 inches is provided over any walking surface, including walks, corridors, aisles and passageways. Not more than 50 percent of the ceiling area of a means of egress shall be reduced in height by protruding objects. ***Refers to areas under mezzanine stairs.***
- **IBC 1011.5.5.3** - Provide stairways with risers that are solid unless a listed exception can be met. ***This information is to be submitted with the metal building component submittal.***
- **IBC 1104.5 -** Existing site accessibility requirements including access from public way, location, size and quantity of compliant accessible parking spaces, access aisles, curb cuts, ramps and vehicle signage shall be provided.

SUBMIT – The following systems require submittal for review and approval prior to construction.

- **SPS 361.30(3)** - Submit, prior to installation, one (1) set of properly signed and sealed metal building plans, calculations substantiating the design, and a completed SB-118 application form including this transaction number and signed by the building designer to the office of original review. **Note as per SPS 302.31(1)(d)4. the fee for a structural component submitted after project completion shall be an additional $250.**
- **SPS 361.31(2) -** Lighting plans, including both Emergency Egress (IBC) & Energy Conservation (IECC), are no longer required to be submitted to the department for review and approval. However, the requirements in both codes must still be met. One (1) set of plans, calculations and/or fixture cut-sheets with all items stamped and signed by a WI registered professional as required by SPS 361.20 & 361.31(1) shall be on-site and made available to inspection by the Department or its authorized representative.

REMINDERS

- **IBC 414.1 -** The provisions of this section shall apply to buildings and structures occupied for the manufacturing, processing, dispensing, use or storage of hazardous materials. ***No hazardous materials are to be stored in this building in excess of the quantities permitted by this section.***
- **IBC 906.1/IBC 906.2** - Provide fire extinguishers per this code section. Fire extinguishers shall be selected, installed and maintained in accordance with IFC 906 and NFPA 10.
- **IBC 1011.11 -** Stairways shall have handrails on each side. Handrails shall be adequate in strength and attachment in accordance with Sections 1012 & 1607.8. Where glass is used, handrails shall comply with Section 2407. ***This information is to be submitted with the metal building component submittal.***
- **IBC 1014.2 -** Handrail height, measured above stair tread nosing or finish surface of ramp slope, shall be uniform, not less than 34 inches and not more than 38 inches. ***This information is to be submitted with the metal building component submittal.***
- **IBC 1014.6 -** Handrails shall return to a wall, guard or the walking surface or shall be continuous to the handrail of an adjacent stair flight or ramp run. Where handrails are not continuous between flights, the handrails shall extend horizontally at least 12 inches beyond the top riser and continue to slope for the depth of one tread beyond the bottom riser. Note that if this stair is for accessibility purposes, ANSI A117.1 section 505.10 is also applicable. ***This information is to be submitted with the metal building component submittal.***
- **IBC 2902.1 -** Since this building lacks toilet facilities, it is approved as unoccupied storage only.
- **IECC C402.1.1 -** This building is approved as an unheated storage building. Should the owner wish to heat or cool this building at a future time, building alteration plans shall be required to be submitted and conditionally approved. The plans shall demonstrate building envelope compliance. After such action, HVAC plans would then be required to be submitted and conditionally approved prior to HVAC equipment installation.
- **SPS 361.36(1)(a) & (b) -** The building shell shall be closed within two years of the initial approval date of this project. Also, this approval will expire three years after the date of initial approval of this project if the work covered by this approval is not completed and the building ready for occupancy within those three years.

- The submittal described above has been reviewed for conformance with applicable Wisconsin Administrative Codes and Wisconsin Statutes. The submittal has been CONDITIONALLY APPROVED. The owner, as defined in chapter 101.01(10),

Wisconsin Statutes, is responsible for compliance with all code requirements. Only those object types listed above have been approved; other submittals such as plumbing and those listed above under REQUIRED SUBMITTAL(S), may also be required.

- All permits required by the state or the local municipality shall be obtained prior to commencement of construction/installation/operation. You are responsible for complying with state and federal laws concerning construction near or on wetlands, lakes, and streams.
- This plan has not been reviewed for compliance with fire code requirements, including those for fire lanes and fire protection water supply, so contact the local fire department for further information.
- In granting this approval, the Division of Industry Services reserves the right to require changes or additions, should conditions arise making them necessary for code compliance. As per state stats 101.12(2), nothing in this review shall relieve the designer of the responsibility for designing a safe building, structure, or component. The Division does not take responsibility for the design or construction of the reviewed items.
- Per s. SPS 361.40(4), projects for buildings of over 50,000 cubic feet total volume shall have supervising professionals who file compliance statements with this agency and the local code officials prior to occupancy of the project. The compliance statement is available on our website. http://verification.dsps.wi.gov/IndustryServices/Commercial-Buildings-Compliance/DSPSMainForm.aspx

Inquiries concerning this correspondence may be made to me at the telephone number listed below, or at the address on this letterhead.

Sincerely,

Fee Required $	700.00
Fee Received $	700.00
Balance Due $	0.00

Erik D. Hansen, RA
Architect / Building Plan Reviewer, Division of Industry Services
(715) 634-3026, Mon-Fri, 7:30 a.m. - 4:00 p.m.
erik.hansen@wisconsin.gov

cc: Charlotte Martin, State Building Inspector, (608) 235-0579, Mon-Fri, 7:45 A.M. - 4:30 P.M.
Hsr Associates Inc
Dan Imhoff, Southwest Wisconsin Technical College

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DIVISION OF INDUSTRY SERVICES
10541 N RANCH RD
HAYWARD WI 54843-6462
Contact Through Relay
http://dsps.wi.gov/programs/industry-services
www.wisconsin.gov
Scott Walker, Governor
Laura Gutiérrez, Secretary

July 03, 2018

CUST ID No. 657532

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DOUGLAS J RAMSEY
HSR ASSOCIATES INC
100 MILWAUKEE ST
LA CROSSE WI 54603-3116

MUNICIPAL CLERK
CITY OF FENNIMORE
860 LINCOLN AVE
FENNIMORE WI 53809

CONDITIONAL APPROVAL

(Please forward a copy of this letter to the fire department conducting inspections of this project.)

PLAN APPROVAL EXPIRES: 07/03/2020

Identification Numbers
Transaction ID No. 3097107 **Site ID No. 135169**
Please refer to both identification numbers, above, in all correspondence with the agency.

SITE:

Southwest Wisconsin Technical College
1800 Bronson Blvd
City of Fennimore, 53809
Grant County; Fire Dept ID: 2210
SE1/4, SW1/4, S20, T6NN, R2W

FOR:

Facility: 700990 SOUTHWEST WI TECH COLLEGE - BLDG 1800 COLD STORAGE FACILITY
1800 BRONSON BLVD
FENNIMORE 53809

Tenant Name or Addn/Alt Description: Southwest Tech Storage Building 1800 Addition
Object Type: Building ICC Regulated Object ID No.: 1760401 Code Applies Date: 06/28/18
Alteration Level: 2; Major Occupancy: Storage; Type IIB Metal Frame Unprotected class of construction; Addition-Alteration plan; 5,933 project sq ft; Unsprinklered; Occupancy: S-2 Storage Low-Hazard

SITE REQUIREMENTS

- Contact both the State Inspector and the local municipality PRIOR to the start of construction.
- A full size copy of the approved plans, specifications and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. If plan index sheets were submitted in lieu of additional full plan sets, a copy of this approval letter and index sheet shall be attached to plans that correspond with the copy on file with the Department. If these plans were submitted in an electronic form, the designer is responsible to download, print, and bind the full size set of plans along with our approval letter. A department electronic stamp and signature shall be on the plans which are used at the job site for construction.

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KEY ITEM(S)

- **IBC 903.2.10.1** - Provide an automatic fire sprinkler system throughout buildings used for the storage of commercial motor vehicles where the fire area exceeds 5,000 sq. ft. ***Building is approved under the condition that no storage of commercial motor vehicles will be permitted in the building.***
- **IBC 903.2.10 -** An automatic sprinkler system shall be provided throughout buildings classified as an enclosed parking garage in accordance with Section 406.4, where the fire area of the enclosed parking garage exceeds 12,000 sf, or where located beneath other groups, except where located beneath R-3 occupancies. ***Building is approved under the condition that per the definition of***

***building area** the total area measured within the exterior walls of the existing building and the addition is less than 12,000 square feet.*

- **IBC 413.1 -** This review did not include the storage of high-piled materials, which are defined by s. SPS 362.0202 as combustible materials and packaging over 12' high or for certain commodities such as rubber tires, certain plastics, etc, over 6' high. High-piled storage is required to also comply with IFC ch. 23. ***No high piled combustible storage is permitted in this building.***
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REMINDERS

- **IBC 414.1 -** The provisions of this section shall apply to buildings and structures occupied for the manufacturing, processing, dispensing, use or storage of hazardous materials. ***No hazardous materials are to be stored in this building in excess of the quantities permitted by this section.***
- **IBC 906.1/IBC 906.2** - Provide fire extinguishers per this code section. Fire extinguishers shall be selected, installed and maintained in accordance with IFC 906 and NFPA 10.
- **IBC 2902.1 -** Since this building lacks toilet facilities, it is approved as unoccupied storage only.
- **IEBC 701.2 -** Provide building alterations that do not reduce the original required level of safety associated unless the currently adopted IBC, IMC, IECC or IFGC would permit it.
- **IEBC 801.1 -** Per the definition of Level 2 alteration in IEBC 504, this work is considered a Level 2 alteration project and is subject to the requirements of IEBC ch. 8, as well as ch. 7.
- **IEBC 1001.1 -** An *addition* to a building or structure shall comply with the *International Codes* as adopted for new construction without requiring the *existing building* or structure to comply with any requirements of those codes or of these provisions, except as required by this chapter. Where an *addition* impacts the *existing building* or structure, that portion shall comply with this code.
- **IECC C402.1.1 -** This building is approved as an unheated storage building. Should the owner wish to heat or cool this building at a future time, building alteration plans shall be required to be submitted and conditionally approved. The plans shall demonstrate building envelope compliance. After such action, HVAC plans would then be required to be submitted and conditionally approved prior to HVAC equipment installation.
- **SPS 361.36(1)(a) & (b) -** The building shell shall be closed within two years of the initial approval date of this project. Also, this approval will expire three years after the date of initial approval of this project if the work covered by this approval is not completed and the building ready for occupancy within those three years.

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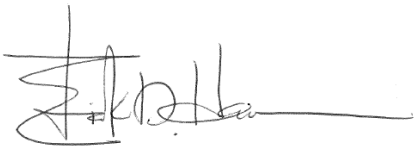
Inquiries concerning this correspondence may be made to me at the telephone number listed below, or at the address on this letterhead.

Sincerely,



Fee Required $	700.00
Fee Received $	700.00
Balance Due $	0.00

Erik D. Hansen, RA
Architect / Building Plan Reviewer, Division of Industry Services
(715) 634-3026, Mon-Fri, 7:30 a.m. - 4:00 p.m.
erik.hansen@wisconsin.gov

cc: Charlotte Martin, State Building Inspector, (608) 235-0579, Mon-fri, 7:45 A.M. - 4:30 P.M.
Hsr Associates Inc
Dan Imhoff, Southwest Wisconsin Technical College

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SOUTHWEST WISCONSIN TECHNICAL COLLEGE
COLD STORAGE BUILDINGS
1800 BRONSON BLVD.
FENNIMORE, WISCONSIN 53809
SWTC # 1819-01 HSR # 18026

INDEX OF DRAWINGS

JUNE 2018

GENERAL

A001R - COVER SHEET, SITE LOCATION MAP

CIVIL

C1 - BLDG 1200B - DEMOLITION PLAN
C2R - BLDG 1200B - SITE PLAN
C3R - BLDG 1200B - GRADING AND EROSION PLAN
C4R - BLDG 1200B - UTILITY PLAN
C5R - BLDG 1800 ADDITION - DEMOLITION
C6R - BLDG 1800 ADDITION - SITE PLAN
C7R - BLDG 1800 ADDITION - GRADING AND EROSION PLAN

ARCHITECTURAL

A100 - BLDG 1200B - FLOOR PLAN
A101 - BLDG 1800 ADDITION - FLOOR PLAN
A200 - BLDG 1200B - SECTIONS & ELEVATIONS
A201 - BLDG 1800 - SECTIONS & ELEVATIONS
A500 - DETAILS

STRUCTURAL

S001R - STRUCTURAL NOTES
S002 - STRUCTURAL NOTES & SCHEDULES
S100 - BLDG 1200B - FOUNDATION PLAN
S101 - BLDG 1800 ADDITION - FND PLAN
S200 - FOUNDATION DETAILS
S201 - FOUNDATION DETAILS
S202 - FOUNDATION DETAILS
S203 - FOUNDATION DETAILS

ELECTRICAL

E100 - BLDG 1200B - ELECTRICAL PLANS
E101R - BLDG 1800 ADDITION - ELEC. PLAN

1 SITE LOCATION MAP
N.T.S.

A1

SET NUMBER

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

HSR ASSOCIATES INC.
100 MILWAUKEE STREET
LA CROSSE, WISCONSIN
PHONE: 608.784.1830
FAX: 608.782.5844
WEB SITE: www.hsrassociates.com

Consultant:

Project Title: SOUTHWEST WISCONSIN TECHNICAL COLLEGE
COLD STORAGE BUILDINGS

Project Location: 1800 BRONSON BLVD.
FENNIMORE, WISCONSIN

Sheet Title: COVER SHEET

HSR Project Number: 18026

Project Date: JUNE 2018

Drawn By:

Key Plan:

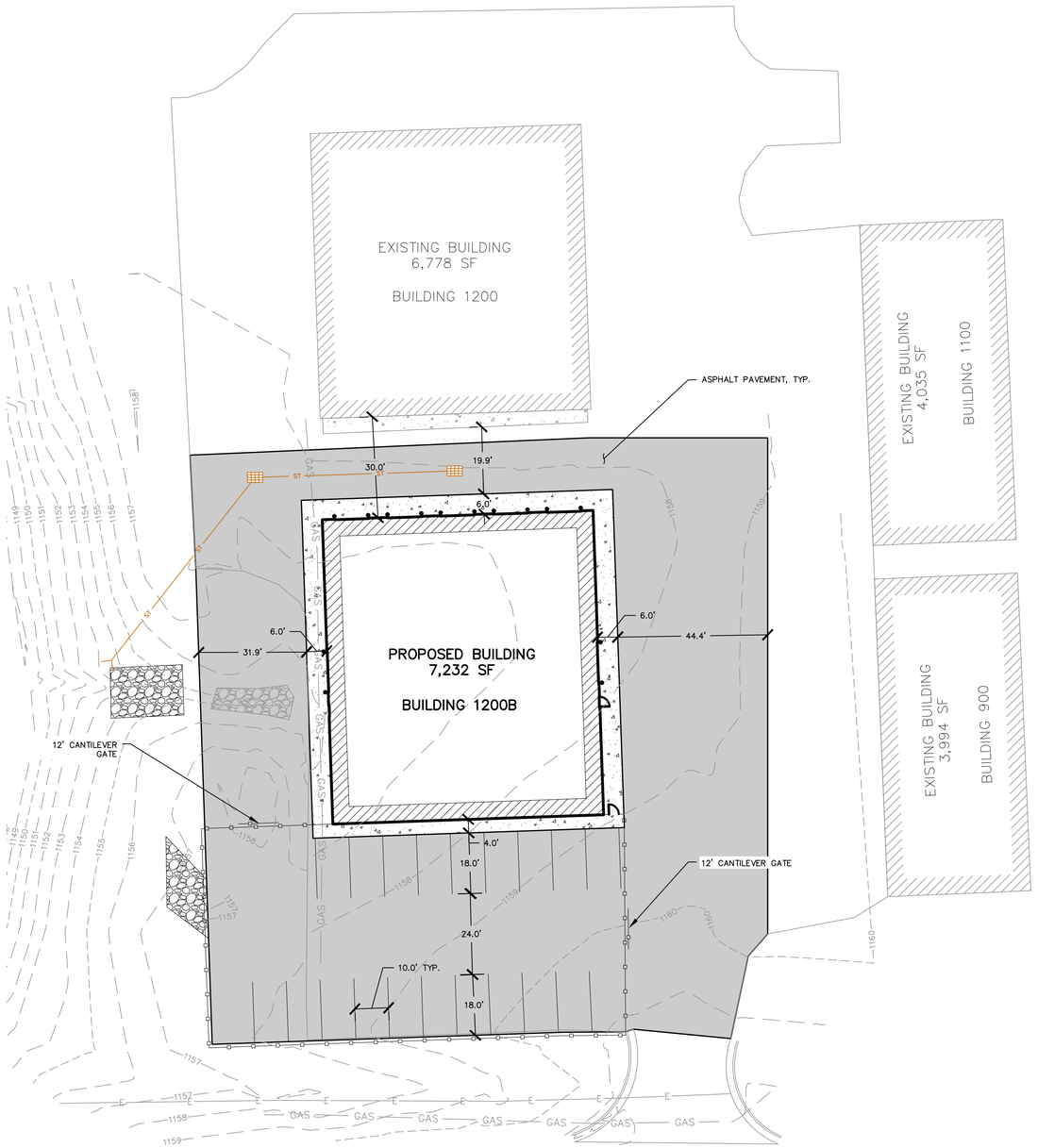
Revisions:

No.	Description	Date

Graphic Scale: VARIES

Last Update: July 25, 2018

A001R



BLDG 1200B - SITE PLAN

NORTH

1" = 20'-0"

A1

LEGEND (PROPOSED)

- BUILDING OUTLINE
- EDGE OF PAVEMENT
- PROPOSED STORM SEWER
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- FENCE
- PROPOSED STORM SEWER INLET

SITE INFORMATION BLOCK	
Site Address	1800 Bronson Blvd
Existing Site Acreage (total)	35.29
Number of Building Stories (above grade)	1
Total Building Square Footage	7,232 SF
Proposed Zoning	SCHOOL
Number of parking stalls:	
Surface	19
Underground	0
Accessible	0
Total Stalls	19
Existing vs. Proposed Site Coverage:	
Existing Impervious Surface Area	28,694 S.F.
Existing Pervious Surface Area	4,189 S.F.
Proposed Impervious Surface Area	30,183 S.F.
Proposed Pervious Surface Area	0 S.F.
Proposed Impervious Surface Area Ratio	1.05

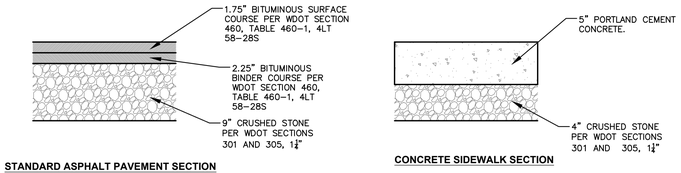
GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION AND CITY OF FENNIMORE REQUIREMENTS.
3. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES UNLESS OTHERWISE SHOWN.
4. THIS PROJECT HAS BEEN DESIGNED AND WILL BE CONSTRUCTED IN COMPLIANCE WITH ALL OF THE WDNR WRAPP PERMIT APPLICATION STANDARDS.
5. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

SITE PLAN NOTES

1. ALL DIMENSIONS TO FACE OF CURB AND/OR EDGING OF CONCRETE UNLESS OTHERWISE NOTED.
2. ALL RADII TO FACE OF CURB AND/OR EDGING OF CONCRETE UNLESS OTHERWISE NOTED.
3. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET THE REQUIREMENTS OF THE CITY OF FENNIMORE.
4. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER
5. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER
6. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
7. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
8. USE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT FOR STALL LINES.
9. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
10. 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.
11. ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER MUNICIPALITY SPECIFICATIONS.

A1



STANDARD ASPHALT PAVEMENT SECTION

CONCRETE SIDEWALK SECTION

GENERAL NOTES:

1. REFER TO PAVEMENT RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY NTS, INC. TITLED "SUBSURFACE SOIL INVESTIGATION REPORT COLD STORAGE BUILDINGS 1200B & 1800" DATED JUNE 2, 2018. IF THERE ARE ANY DISCREPANCIES BETWEEN THIS DETAIL AND THE PAVEMENT RECOMMENDATIONS PROVIDED IN THE GEOTECHINCAL INVESTIGATION REPORT, THE GEOTECHNICAL REPORT SHALL GOVERN.
2. WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, BUT EXCLUDING LIMITATIONS IN SECTION 460.3.2 RESTRICTING LAYER THICKNESS BY AGGREGATE SIZE.
3. COMPACTION REQUIREMENTS:
   - BITUMINOUS CONCRETE: REFER TO SECTION 460-3.
   - BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION
4. MIXTURE TYPE [LT, MT OR HT] BITUMINOUS PAVEMENT IS RECOMMENDED; REFER TO SECTION 460, TABLE 460-2 OF THE STANDARD SPECIFICATIONS.
5. CONCRETE EQUIPMENT PADS SHALL HAVE A MINIMUM 6" THICK PORTLAND CEMENTER CONCRETE OVER COMPACTED 6" THICK DENSE GRADED BASE WITH REINFORCEMENT FOR CRACK CONTROL.

PAVEMENT SECTIONS

N.T.S.

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ENGINEERING
INTERIOR DESIGN

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P. 608.848.5060
JSD PROJECT #: 18-8518

Project Title: SOUTHWEST WISCONSIN TECHNICAL COLLEGE

Project Location: 1800 BRONSON BLVD. FENNIMORE, WISCONSIN

Sheet Title: SITE PLAN

HSR Project Number: 1819-01

Project Date: JUNE 2018

Drawn By: APM

Key Plan:

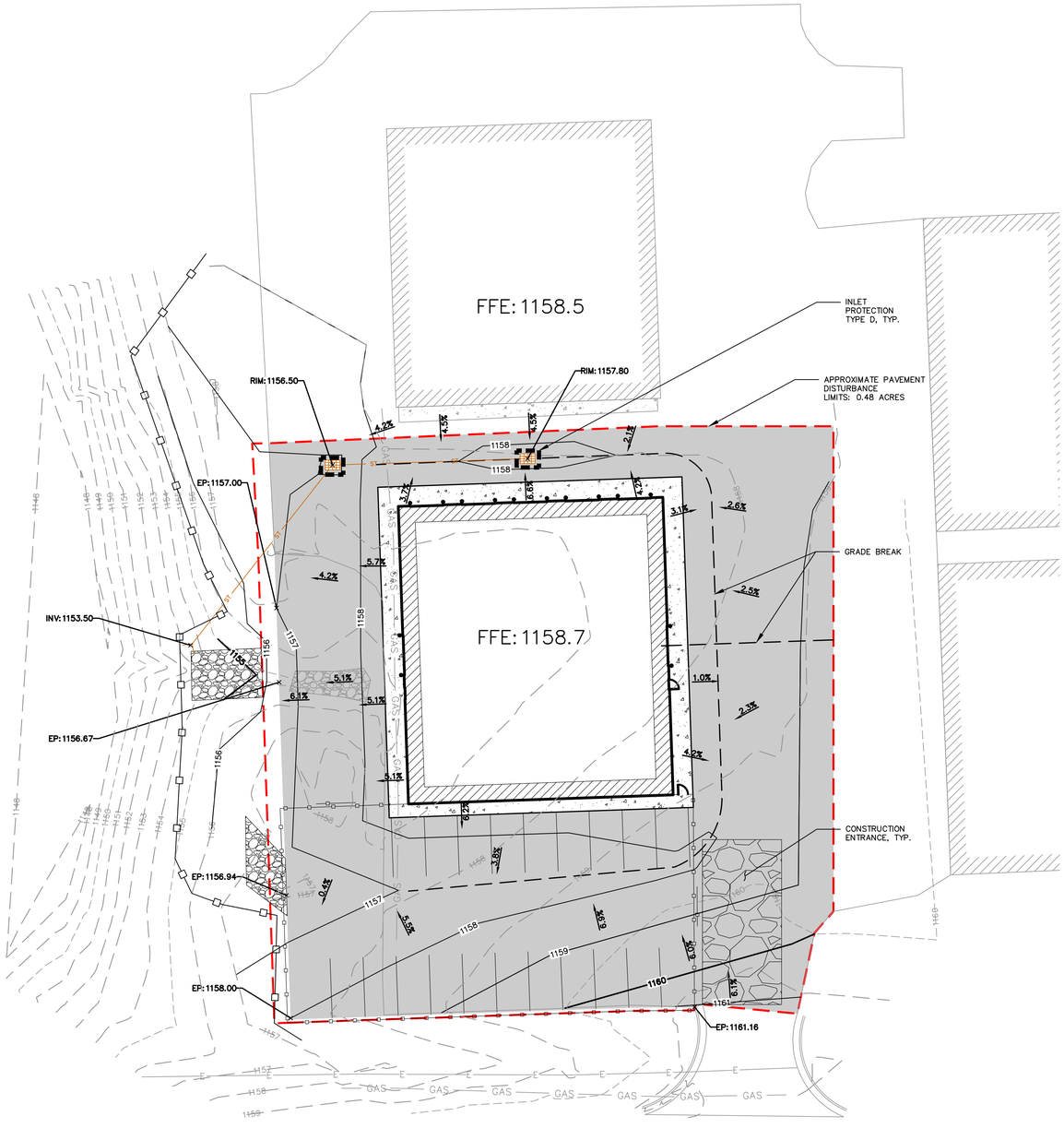
Revisions:

No.	Description	Date
A1	ADDENDUM #1	7/26/2018

Graphic Scale: VARIES

Last Update:

C2R



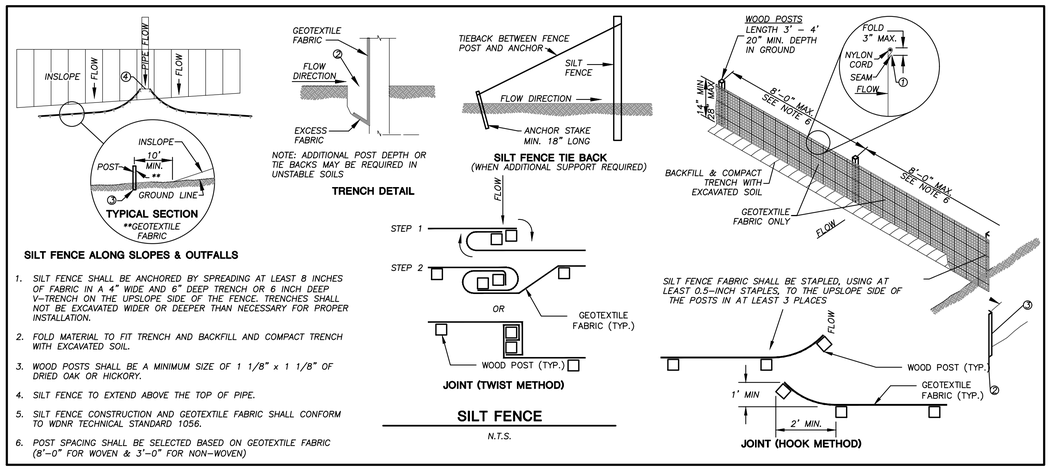
BLDG 1200B - GRADING AND EROSION PLAN

NORTH

1" = 20'-0"

LEGEND (GRADING & EROSION CONTROL PLAN)

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- DT — DRAIN TILE OUTLET
- ST — PROPOSED STORM SEWER
- PROPOSED STORM SEWER INLET
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- STORMWATER MANAGEMENT AREA
- BOULDER RETAINING WALL
- MODULAR BLOCK RETAINING WALL
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING BOLLARDS/SIGNS
- 934 — PROPOSED 1 FOOT CONTOUR
- 935 — PROPOSED 1 FOOT CONTOUR
- DRAINAGE DIRECTION
- ST — STORM SEWER
- SILT FENCE
- CONSTRUCTION LIMITS
- INLET PROTECTION, TYPE D
- 934.20 FG — SPOT ELEVATION
  - EP – EDGE OF PAVEMENT
  - FG – FINISH GRADE
  - EC – EDGE OF CONCRETE
  - TS – TOP OF STEP
  - TS – BOTTOM OF STEP
  - RIM – RIM ELEVATION
- GRADE BREAK

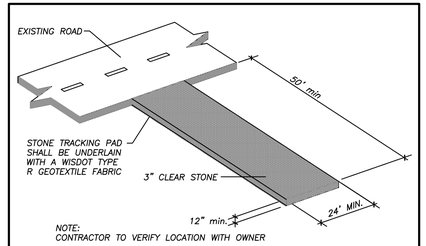


SILT FENCE ALONG SLOPES & OUTFALLS

1. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF FABRIC IN A 4" WIDE AND 6" DEEP TRENCH OR 6 INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
2. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" x 1 1/8" OF DRIED OAK OR HICKORY.
4. SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE.
5. SILT FENCE CONSTRUCTION AND GEOTEXTILE FABRIC SHALL CONFORM TO WDNR TECHNICAL STANDARD 1056.
6. POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8'–0" FOR WOVEN & 3'–0" FOR NON–WOVEN)

SILT FENCE

N.T.S.



CONSTRUCTION ENTRANCE

N.T.S.

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ENGINEERING
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JSD PROJECT #: 18-8518

Project Title: SOUTHWEST WISCONSIN TECHNICAL COLLEGE

Project Location: 1800 BRONSON BLVD. FENNIMORE, WISCONSIN

Sheet Title: GRADING AND EROSION PLAN

HSR Project Number: 1819-01

Project Date: JUNE 2018

Drawn By: APM

Key Plan:

Revisions:

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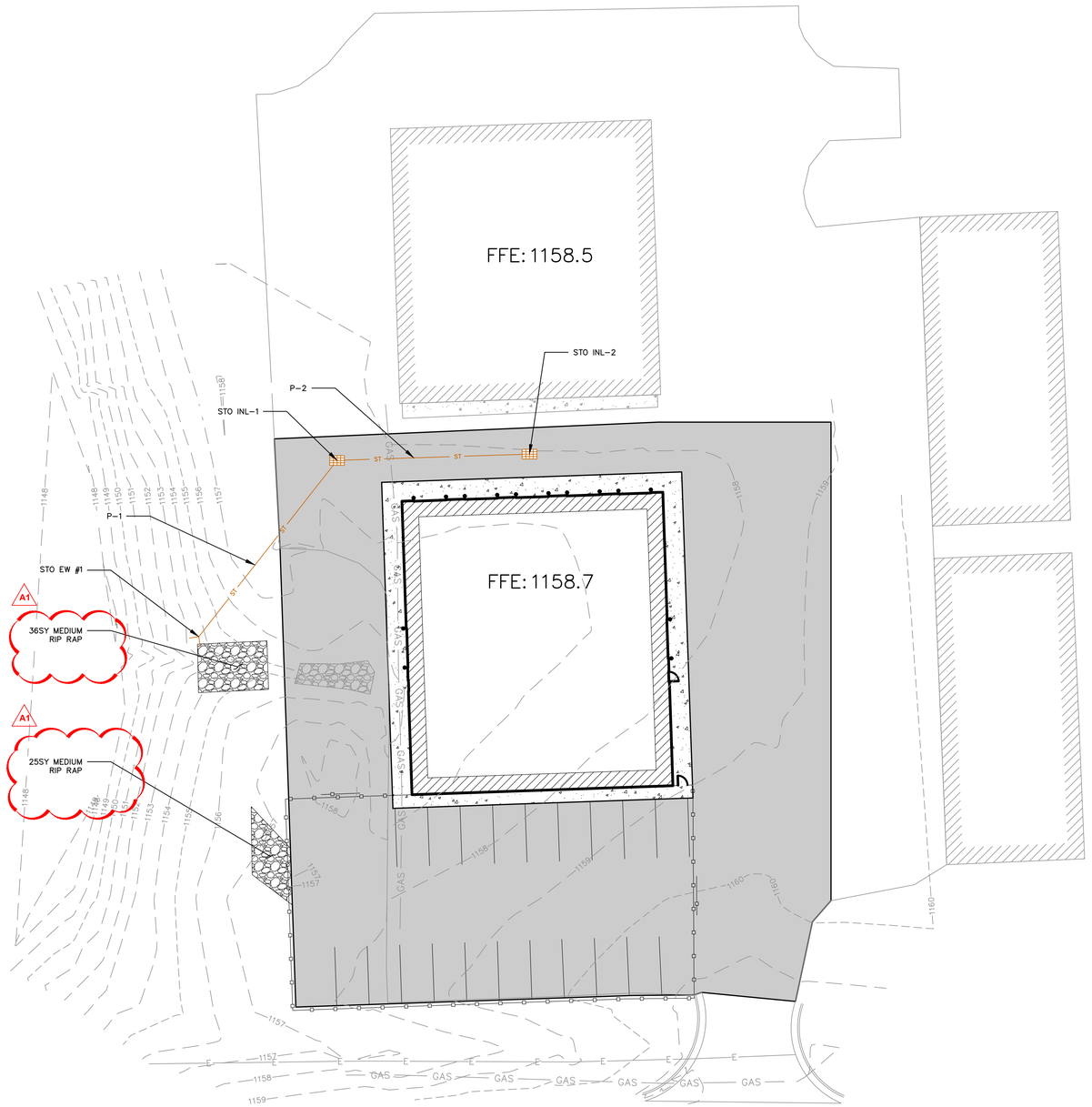


BLDG 1200B - UTILITY PLAN

NORTH

1" = 20'-0"

LEGEND (UTILITY PLAN)

- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- BUILDING LINE
- BUILDING OVERHANG LINE
- SAN — SANITARY SEWER
- W — WATERMAIN
- ST — STORM SEWER
- STORM SEWER INLET

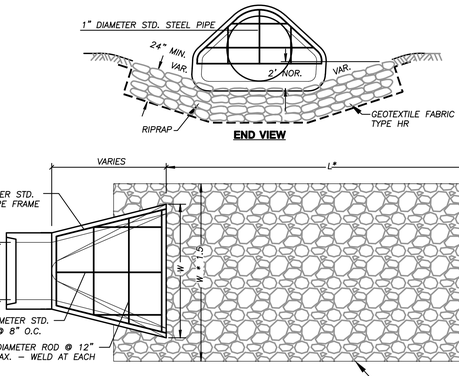
PROPOSED STORM SEWER STRUCTURES SCHEDULE

LABEL	INVERT ELEV. (FT)	RIM ELEV. (FT)	DEPTH (FT)	STRUCTURE DESCRIPTION	GRATE
STO INL-2	1154.39	1157.80	3.41	2'X3' INLET BOX	R-3454-BL
STO INL-1	1153.84	1156.50	2.66	2'X3' INLET BOX	R-3454-BL
STO EW #1	1154.00	#N/A	#N/A	ADS END WALL	

PROPOSED STORM SEWER PIPE SCHEDULE

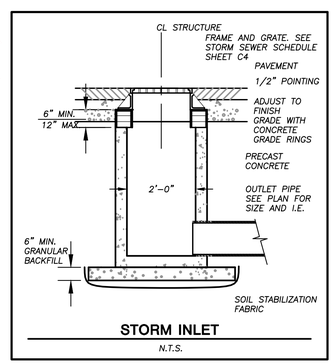
	FROM	TO	LENGTH (FT)	INVERT ELEVATION	DISCHARGE ELEVATION	SLOPE (%)	PIPE SIZE & TYPE
P-1	STO INL-1	STO EW #1	68.86	1153.50	1153.84	0.50	12" HDPE
P-2	STO INL-2	STO INL-1	59.18	1154.09	1154.39	0.50	12" HDPE

A1



APRON ENDWALL WITH GRATE

N.T.S.



STORM INLET

N.T.S.

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JSD PROJECT #: 18-8518

Project Title: **SOUTHWEST WISCONSIN TECHNICAL COLLEGE**

Project Location: **1800 BRONSON BLVD. FENNIMORE, WISCONSIN**

Sheet Title: **UTILITY PLAN**

HSR Project Number: **1819-01**

Project Date: **JUNE 2018**

Drawn By: **APM**

Key Plan:

Revisions:

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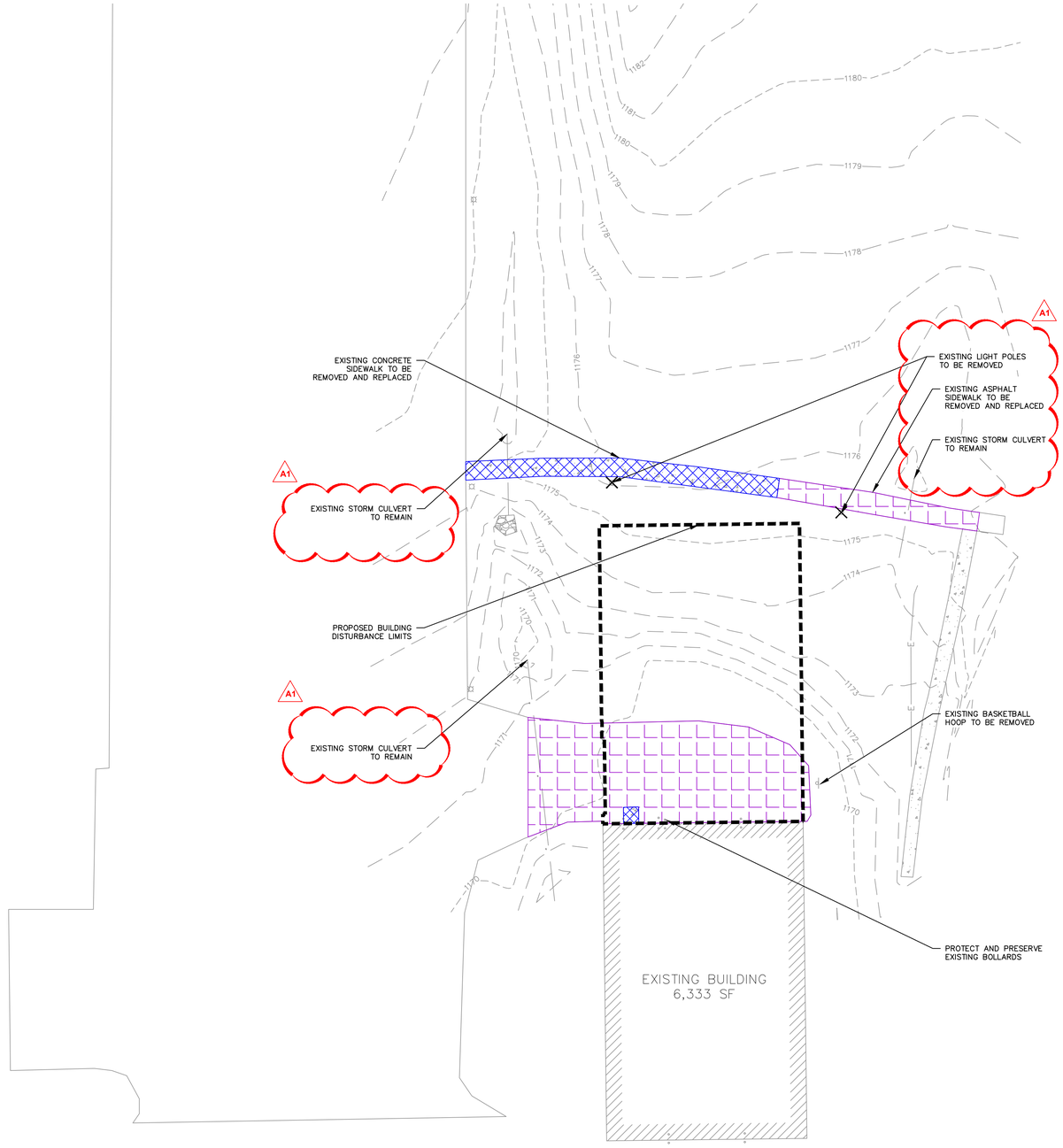

NORTH

BLDG 1800 ADDITION - DEMOLITION PLAN

1" = 20'-0"

LEGEND (DEMOLITION) A1

- DEMOLITION – REMOVAL OF ASPHALT SURFACES
- DEMOLITION – REMOVAL OF UTILITIES
- DEMOLITION – REMOVAL OF CONCRETE SURFACES
- DEMOLITION – REMOVAL OF LIGHT POLES

GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION AND CITY OF FENNIMORE REQUIREMENTS.
3. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES UNLESS OTHERWISE SHOWN.
4. THIS PROJECT HAS BEEN DESIGNED AND WILL BE CONSTRUCTED IN COMPLIANCE WITH ALL OF THE WDNR WRAPP PERMIT APPLICATION STANDARDS.
5. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

DEMOLITION NOTES

1. THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE, "DIGGER'S HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE GROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE HIS OWN DUE DILIGENCE TO INCLUDE IN HIS BID WHAT ADDITIONAL ITEMS, IN HIS OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
2. CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
3. ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO PROPOSED SUBGRADE.
4. ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. SALVAGE FOR RELOCATION. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
5. ABANDONED/REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES, WHICH IS DAMAGED BY THE CONSTRUCTION, OR ANY SIDEWALK AND CURB AND GUTTER THAT THE VILLAGE OF WINDSOR ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
   - 7.1. EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
   - 7.2. VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
   - 7.3. NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
   - 7.4. NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
8. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
10. CONTRACTOR TO COORDINATE PRIVATE UTILITY REMOVAL / ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
11. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
12. ANY CONTAMINATED SOILS SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROVED LANDFILL.
13. ALL EXISTING UTILITIES TO BE FIELD LOCATED AND FLAGGED BY CONTRACTOR.
14. EXISTING FIBER OPTIC LINE TO BE CLEARLY MARKED PRIOR TO ANY EXCAVATION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING FIBER OPTIC LINE LOCATION.
15. SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24, OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND THE CITY OF FENNIMORE SPECIFICATIONS.
16. WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.14.0 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND THE CITY OF FENNIMORE SPECIFICATIONS.
17. ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENT FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
18. BUILDING REMOVALS SHALL BE BY A QUALIFIED CONTRACTOR. CONTRACTOR TO FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURIED ON SITE. IF ENCOUNTERED, ANY CONTAMINATED SOILS SHALL BE REMOVED TO A LANDFILL IN ACCORDANCE WITH APPROPRIATE STATE AND FEDERAL REGULATIONS.
19. CONTRACTOR TO REMOVE EXISTING UTILITY PIPE OR PROVIDE PIPE BACK-FILLING AFTER REMOVAL OF EXISTING UTILITIES WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE/FLOWABLE FILL".
20. RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION AND REMOVAL. THIS INCLUDES CURB & GUTTER, SIDEWALK, TOPSOIL, SEEDING AND MULCHING.

ARCHITECTURE
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JSD PROJECT #: 18-8518

Project Title: SOUTHWEST WISCONSIN TECHNICAL COLLEGE

Project Location: 1800 BRONSON BLVD. FENNIMORE, WISCONSIN

Sheet Title: DEMOLITION PLAN

HSR Project Number: 1819-01

Project Date: JUNE 2018

Drawn By: APM

Key Plan:

Revisions:

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A1	ADDENDUM #1	7/26/2018

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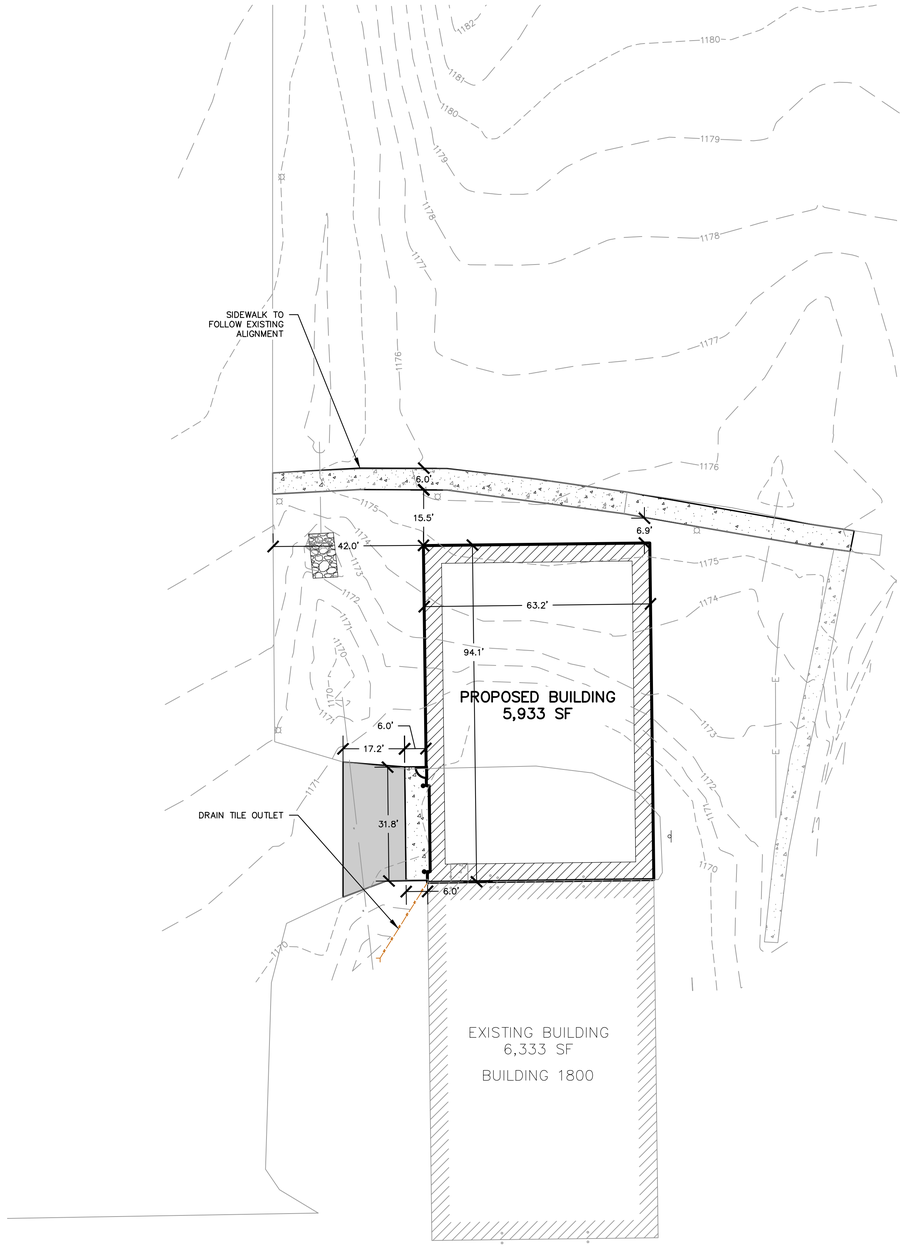

NORTH

BLDG 1800 ADDITION - SITE PLAN

1" = 20'-0"

LEGEND (PROPOSED)

- BUILDING OUTLINE
- EDGE OF PAVEMENT
- DT — DRAIN TILE OUTLET
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- RIP RAP
- FENCE
- CONSTRUCTION LIMITS

GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION AND CITY OF FENNIMORE REQUIREMENTS.
3. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES UNLESS OTHERWISE SHOWN.
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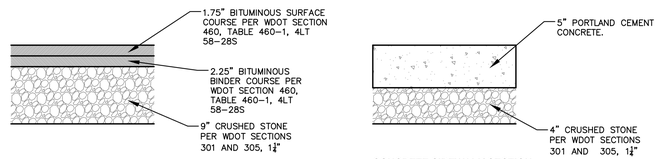
5. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

SITE PLAN NOTES

1. ALL DIMENSIONS TO FACE OF CURB AND/OR EDGING OF CONCRETE UNLESS OTHERWISE NOTED.
2. ALL RADII TO FACE OF CURB AND/OR EDGING OF CONCRETE UNLESS OTHERWISE NOTED.
3. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET THE REQUIREMENTS OF THE CITY OF FENNIMORE.
4. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER
5. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER
6. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
7. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
8. USE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT FOR STALL LINES.
9. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
10. 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.
11. ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER MUNICIPALITY SPECIFICATIONS.

SITE INFORMATION BLOCK	
Site Address	1800 Bronson Blvd
Existing Site Acreage (total)	14.43
Number of Building Stories (above grade)	1
Total Building Square Footage	5,933 SF
Proposed Zoning	SCHOOL
Number of parking stalls:	
Surface	0
Underground	0
Accessible	0
Total Stalls	0
Existing vs. Proposed Site Coverage:	
Existing Impervious Surface Area	9,055 S.F.
Existing Pervious Surface Area	12,945 S.F.
Proposed Impervious Surface Area	13,100 S.F.
Proposed Pervious Surface Area	8,891 S.F.
Proposed Impervious Surface Area Ratio	1.45

A1



STANDARD ASPHALT PAVEMENT SECTION

CONCRETE SIDEWALK SECTION

GENERAL NOTES:

1. REFER TO PAVEMENT RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY NTS, INC. TITLED "SUBSURFACE SOIL INVESTIGATION REPORT COLD STORAGE BUILDINGS 1200B & 1800" DATED JUNE 2, 2018. IF THERE ARE ANY DISCREPANCIES BETWEEN THIS DETAIL AND THE PAVEMENT RECOMMENDATIONS PROVIDED IN THE GEOTECHINCAL INVESTIGATION REPORT, THE GEOTECHNICAL REPORT SHALL GOVERN.
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3. COMPACTION REQUIREMENTS:
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   - BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION
4. MIXTURE TYPE [LT, MT OR HT] BITUMINOUS PAVEMENT IS RECOMMENDED; REFER TO SECTION 460, TABLE 460-2 OF THE STANDARD SPECIFICATIONS.
5. CONCRETE EQUIPMENT PADS SHALL HAVE A MINIMUM 6" THICK PORTLAND CEMENTER CONCRETE OVER COMPACTED 6" THICK DENSE GRADED BASE WITH REINFORCEMENT FOR CRACK CONTROL.

PAVEMENT SECTIONS

N.T.S.

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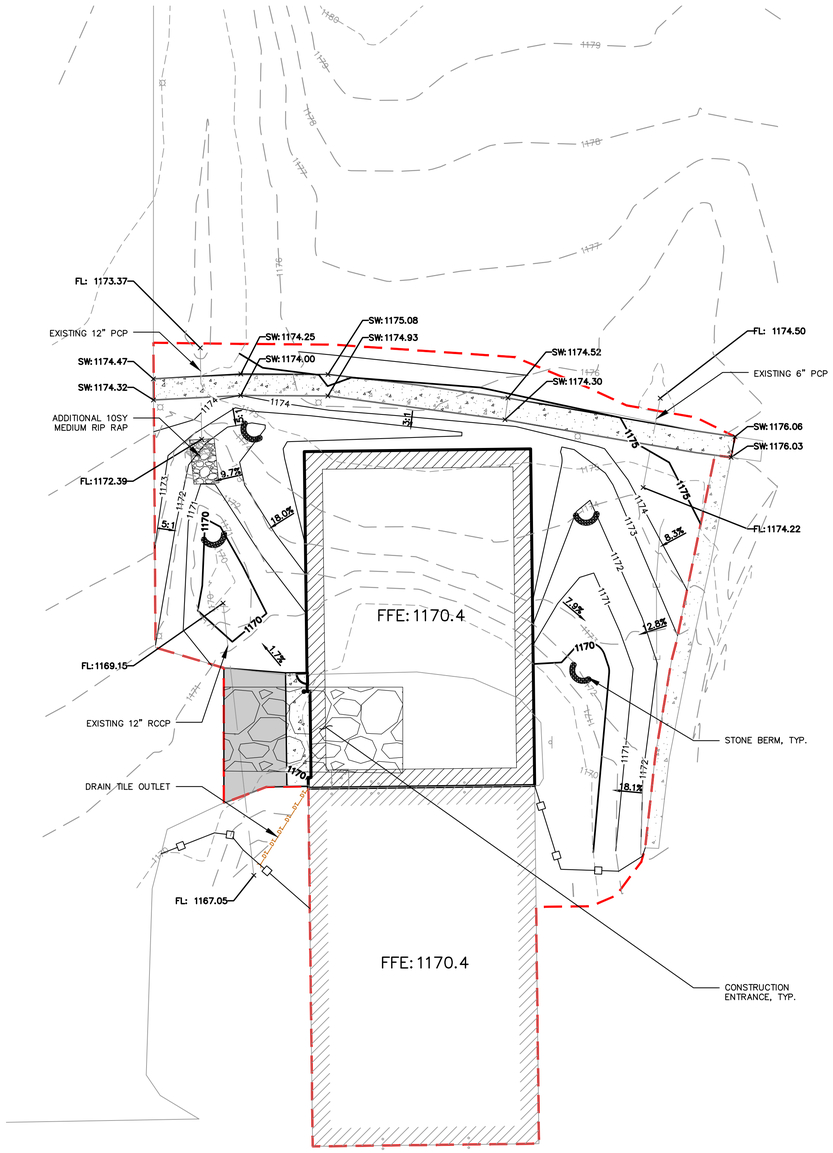

BLDG 1800 ADDITION - GRADING AND EROSION PLAN

NORTH

1" = 20'-0"

LEGEND (GRADING & EROSION CONTROL PLAN)

PROPERTY LINE	934 — PROPOSED 1 FOOT CONTOUR
RIGHT-OF-WAY	935 — PROPOSED 1 FOOT CONTOUR
EASEMENT LINE	DRAINAGE DIRECTION
BUILDING OUTLINE	ST — STORM SEWER
BUILDING OVERHANG	SILT FENCE
EDGE OF PAVEMENT	CONSTRUCTION LIMITS
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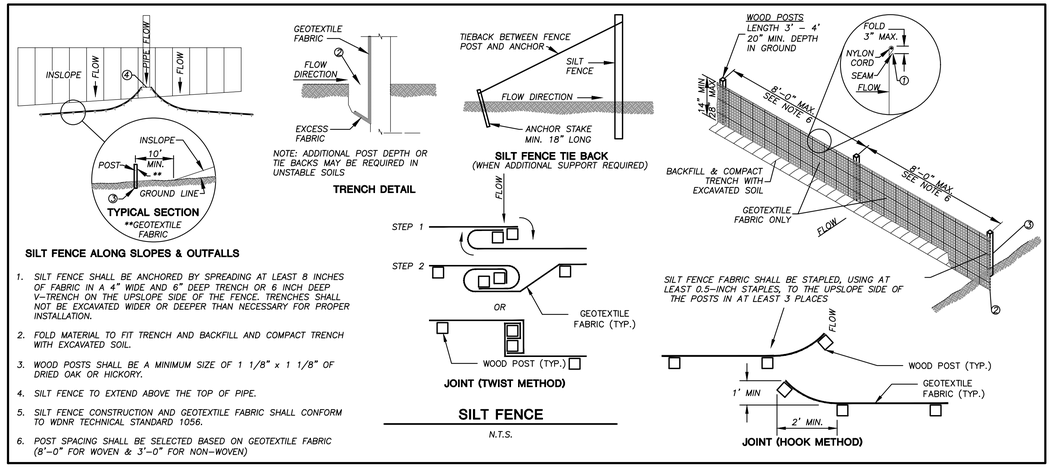
STANDARD CURB AND GUTTER	
REJECT CURB AND GUTTER	SPOT ELEVATION EP – EDGE OF PAVEMENT FG – FINISH GRADE EC – EDGE OF CONCRETE TS – TOP OF STEP TS – BOTTOM OF STEP RIM – RIM ELEVATION
ASPHALT PAVEMENT	934.20 FG
HEAVY DUTY ASPHALT PAVEMENT	
CONCRETE PAVEMENT	GRADE BREAK
HEAVY DUTY CONCRETE PAVEMENT	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
STORMWATER MANAGEMENT AREA	ADA PARKING BOLLARDS/SIGNS
BOULDER RETAINING WALL	
MODULAR BLOCK RETAINING WALL	DITCH CHECK



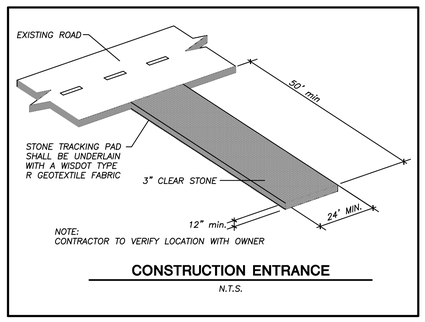
SILT FENCE ALONG SLOPES & OUTFALLS

1. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF FABRIC IN A 4" WIDE AND 6" DEEP TRENCH OR 6 INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
2. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" x 1 1/8" OF DRIED OAK OR HICKORY.
4. SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE.
5. SILT FENCE CONSTRUCTION AND GEOTEXTILE FABRIC SHALL CONFORM TO WDNR TECHNICAL STANDARD 1056.
6. POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8'-0" FOR WOVEN & 3'-0" FOR NON-WOVEN)

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

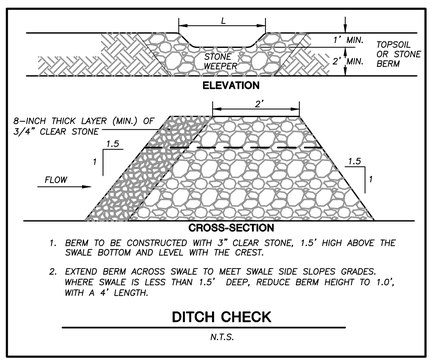
SILT FENCE

N.T.S.



CONSTRUCTION ENTRANCE

N.T.S.



1. BERM TO BE CONSTRUCTED WITH 3" CLEAR STONE, 1.5' HIGH ABOVE THE SWALE BOTTOM AND LEVEL WITH THE CREST.
2. EXTEND BERM ACROSS SWALE TO MEET SWALE SIDE SLOPES GRADES. WHERE SWALE IS LESS THAN 1.5' DEEP, REDUCE BERM HEIGHT TO 1.0', WITH A 4' LENGTH.

DITCH CHECK

N.T.S.

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Project Title: SOUTHWEST WISCONSIN TECHNICAL COLLEGE

Project Location: 1800 BRONSON BLVD. FENNIMORE, WISCONSIN

Sheet Title: GRADING AND EROSION PLAN

HSR Project Number: 1819-01

Project Date: JUNE 2018

Drawn By: APM

Key Plan:

Revisions:

No.	Description	Date
A1	ADDENDUM #1	7/26/2018

Graphic Scale: VARIES

Last Update:

C7R

GENERAL STRUCTURAL NOTES:

1. ALL MATERIALS, CONSTRUCTION, AND DETAILS SHALL CONFORM TO THE FOLLOWING:
    A. PLANS AND SPECIFICATIONS
    B. 2015 INTERNATIONAL BUILDING CODE (WITH WISCONSIN AMENDMENTS) A1
    C. OSHA REGULATIONS
    D. ALL LOCAL AND SAFETY CODES
2. CONTRACTOR SHALL CROSS CHECK WITH ARCHITECTURAL, HVAC, AND PLUMBING PLANS FOR OTHER DETAILS, DIMENSIONS, ELEVATIONS, OPENINGS, INSERTS, STEEL, STAIRS, AND BRICK LEDGES, ETC. ARCHITECT OR ENGINEER SHALL BE NOTIFIED OF ANY VARIANCE BEFORE CONTRACTOR BEGINS WORK. RESOLVE APPARENT DEFICIENCIES, OMISSIONS, CONTRADICTIONS, INCONSISTENCIES AND AMBIGUITIES IN CONTRACT DOCUMENTS WITH ARCHITECT / ENGINEER DURING THE BID PERIOD. IF ANY SUCH CONDITION CANNOT BE RESOLVED DURING THE BID PERIOD, SUBMIT BID USING THE INTERPRETATION RESULTING IN THE GREATEST COST AND RESOLVE SUCH ITEMS PRIOR TO BEGINNING THE WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON NEW OR EXISTING STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
4. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION MEANS AND/OR SEQUENCES. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION.
5. DIMENSIONS SHOWN ON ARCHITECTURAL DRAWINGS SUPERCEDE DIMENSIONS SHOWN ON STRUCTURAL PLANS. RESOLVE DISCREPANCIES w/ ENGINEER BEFORE PROCEEDING. <u>DO NOT SCALE THE DRAWINGS.</u>
6. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCY IMMEDIATELY.
7. IN NO CASE SHALL STRUCTURAL REPAIRS, CORRECTIONS, ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE UNLESS APPROVED BY THE ENGINEER. SUBMIT DETAILS AND CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER AND PAID FOR BY THE CONTRACTOR. A/E DESIGN OR REVIEW IS CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL BUILDING MATERIALS AND COMPONENTS. COMPONENT LOCATIONS ARE SHOWN FOR DESIGN INTENT, NOT EXACT LOCATION, UNLESS NOTED SPECIFICALLY. INDEPENDENTLY PREPARED SHOP DRAWINGS ARE REQUIRED OF ALL TRADES FOR COORDINATION AND BEST PRACTICE. ERRORS OR OMISSIONS IN INSTALLATION DUE TO CONTRACTOR'S FAILURE TO COORDINATE THE WORK WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES BUT IS NOT LIMITED TO THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS, OR TIE-DOWNS AS MAY BE NECESSARY. ALL CONSTRUCTION AND ERECTION TO CONFORM TO OSHA REQUIREMENTS.
10. CONSTRUCTION MEANS AND METHODS ARE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE ENGINEERED AND PROVIDED BY THE TRADE CONTRACTOR REQUIRING SUCH. SUCH WORK INCLUDES BUT IS NOT LIMITED TO:
    A. EVALUATION OF STRUCTURE FOR CONSTRUCTION EQUIPMENT LOADS SUCH AS CEMENT BUGGIES, FORKLIFTS, MATERIAL STOCKPILES, ETC.
    B. EVALUATION OF STRUCTURE AND INSTALLATION OF ANY NECESSARY SHORING FOR MOVING LOADS DURING INSTALLATION OF HEAVY EQUIPMENT.
11. CONNECTORS:
    A. FOR EXTERIOR AND INTERIOR APPLICATIONS WHERE EXPOSED TO MOISTURE (E.G. WOOD DECKS AND POSTS), WHERE PRESSURE TREATED WOOD IS USED, AND FOR INTERIOR CORROSIVE ENVIRONMENTS ALL CONNECTORS SHALL BE HOT DIPPED GALVANIZED PER ASTM A 153A / 153M INCLUDING EXPANSION BOLTS, ANCHOR BOLTS, JOIST HANGERS, AND NAILS.
    B. CONNECTION DESIGN TO STRUCTURAL MEMBERS AND EVALUATION OF STRUCTURAL MEMBER ADEQUACY BY A REGISTERED PROFESSIONAL ENGINEER SHALL BE PROVIDED BY ALL TRADE SUBCONTRACTORS REQUIRING THE CONNECTION.
    C. INSTALLER OF ANCHORS OR CONNECTIONS TO STRUCTURE IS RESPONSIBLE FOR ANCHOR DESIGN AND DETERMINATION OF STRUCTURAL COMPONENT ADEQUACY. DO NOT CUT REINFORCING BARS, PRESTRESS REINFORCING IN PRECAST MEMBERS, OR DAMAGE OTHER EMBEDMENTS.
12. ALL SUPPORTS, FRAMING, SUB-FRAMING, LIGHT GAGE FRAMING, MISCELLANEOUS STEEL FRAMING, METAL FABRICATIONS, BRACING, BRACKETS, HANGERS, CONNECTORS, EMBEDMENTS, FASTENERS, AND ATTACHMENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS ARE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE ENGINEERED AND PROVIDED BY THE TRADE CONTRACTOR REQUIRING THE ITEM. COMPLY WITH GOVERNING CODES.
13. WHERE DIMENSIONS OR WEIGHTS OF EQUIPMENT OR SYSTEMS ARE VARIABLE FROM MANUFACTURER TO MANUFACTURER, VERIFY DIMENSIONS AND WEIGHTS SHOWN ON DRAWINGS WITH SELECTED MANUFACTURER PRIOR TO ORDERING MATERIALS. NOTIFY ARCHITECT / ENGINEER OF DISCREPANCIES.
14. DO NOT SUSPEND POINT LOADS FROM ROOF OR FLOOR DECKS. POINT LOADS INCLUDE, BUT ARE NOT LIMITED TO: HANGERS FOR CEILINGS, PIPES, DUCTS, STEEL STUDS, EQUIPMENT, ETC. CONTRACTOR INSTALLING SUCH POINT LOADS SHALL PROVIDE SUB-FRAMING TO TRANSFER LOAD TO THE STRUCTURE SUPPORTING DECK.

MILD REINFORCING STEEL PROTECTION NOTES:

THE FOLLOWING MINIMUM DIMENSIONS SHALL BE PROVIDED AS A CLEAR COVER FOR REINFORCING BARS IN STRUCTURAL MEMBERS:

<u>CONCRETE CAST AGAINST EARTH AND PERMANENTLY EXPOSED TO EARTH:</u>

FOOTINGS:	
TOP	2"
BOTTOM AND SIDES	3"

<u>CONCRETE PERMANENTLY EXPOSED TO EARTH OR WEATHER:</u>

WALLS, COLUMNS, BEAMS:	
UP THROUGH #5 BARS	1-1/2"
#6 THRU # 18 BARS	2"

<u>CONCRETE NOT EXPOSED TO EARTH OR WEATHER:</u>

WALLS:	
UP THROUGH #11 BARS	3/4"
#14 AND # 18 BARS	1-1/2"
ELEVATED SLABS:	
TOP	3/4"
BOTTOM	1"
BEAMS:	
TOP / BOTTOM / SIDE	1-1/2"
COLUMNS:	
SIDES	1-1/2"

(DIMENSIONS ABOVE ARE MINIMUMS UNLESS NOTED OTHERWISE IN DETAILS)

EARTHWORK NOTES:

1. GENERAL CONTRACTOR SHALL PROVIDE FROST PROTECTION AND MOISTURE PROTECTION FOR FOOTINGS EXPOSED DURING CONSTRUCTION. MINIMUM FROST PROTECTION AS PER LOCAL BUILDING CODE.
2. GENERAL CONTRACTOR SHALL FOLLOW ANY AND ALL ADDITIONAL REQUIREMENTS AS SPECIFIED IN GEOTECHNICAL REPORT, IF ANY.
3. FOOTING EXCAVATIONS SHALL BE EXAMINED BY A GEOTECHNICAL ENGINEER TO CONFIRM THAT THE SOILS AT THE BOTTOM OF THE EXCAVATION ARE CAPABLE OF PROVIDING THE SPECIFIED ALLOWABLE BEARING PRESSURE.
4. GENERAL CONTRACTOR SHALL PLACE FOUNDATIONS ON UNDISTURBED NON-ORGANIC BEARING SOILS. IF EXCAVATION ACTIVITY LOOSENS SOIL AT BOTTOM OF FOOTING, BASE SHALL BE COMPACTED.
5. WHERE REQUIRED, REMOVE UNSUITABLE EXISTING SOILS BELOW FOOTINGS TO APPROVED BEARING SOIL. REPLACE WITH STRUCTURAL / ENGINEERED FILL TO THE REQUIRED FOOTING BEARING ELEVATION. PLACE FILL UNDER THE DIRECTION AND SUPERVISION OF A GEOTECHNICAL ENGINEER. STRUCTURAL ENGINEERED FILL SHALL ACHIEVE THE REQUIRED SOIL BEARING PRESSURE SPECIFIED IN THE "<u>DESIGN DATA - SOIL LOAD INFORMATION</u>".
6. <u>STRUCTURAL / ENGINEERED FILL</u>: WELL-GRADED, GRANULAR MATERIAL, BANKRUN SAND OR GRAVEL, CRUSHED OR NATURAL STONE, FREE OF SHALE, CLAY, FRIABLE MATERIALS AND DEBRIS; TESTED IN ACCORDANCE WITH ANSI/ASTM C136 WITHIN THE FOLLOWING LIMITS (A - C):
    A. MAXIMUM SIZE OF AGGREGATE SHALL BE 2" WITH NOT MORE THAN 20% RETAINED ON A 3/4 INCH SIEVE, WITH NOT LESS THAN 50% BY WEIGHT PASSING A NO. 4 SIEVE.
    B. NOT MORE THAN 15% SHALL PASS THE NO. 200 SIEVE, EXCEPT THAT NOT MORE THAN 5% SHALL PASS THE NO. 200 SIEVE FOR BASEMENT WALL BACKFILL.
    C. WHEN USED FOR BEDDING COVER UNDER PIPES OR CULVERTS, FILL SHALL CONSIST OF MATERIAL WITH GREATER THAN 50% BY WEIGHT PASSING A NO. 4 SIEVE AND ALL PARTICLES PASSING A ONE INCH SIEVE.
    D. USE AS FILL OR BACKFILL IN EXCAVATIONS AGAINST WALLS, AS BEARING MATERIAL BELOW FOOTINGS AND ABOVE NATURAL OCCURRING SOIL WHERE UNSUITABLE MATERIAL HAS BEEN REMOVED, UNDER INTERIOR BUILDING SLABS TO WITHIN 6" OF THE BOTTOM OF THE SLAB, AND UNDER SIDEWALKS, STEPS, AND PAVEMENTS.
    E. STRUCTURAL FILL UNDER FOOTINGS SHALL BE PLACED IN THE "INFLUENCE ZONE" WHICH BEGINS 1'-0" FROM EACH SIDE OF THE BOTTOM OF THE FOOTING AND SLOPES DOWNWARD AT A PITCH OF 1 HORIZONTAL TO 2 VERTICAL.
7. <u>DRAINAGE FILL</u>: FROST RESISTANT, WELL GRADED, CLEAN, ANGULAR / FRACTURED, CRUSHED STONE OR GRAVEL CONFORMING TO ASTM C33; SIZE 67 FREE OF SILT, CLAY, LOAM, FRIABLE OR SOLUBLE MATERIALS, AND ORGANIC MATTER; TESTED IN ACCORDANCE WITH ANSI/ASTM C136 WITHIN THE FOLLOWING LIMITS (A):
    A. NOT MORE THAN 8% SHALL PASS THE NO. 200 SIEVE.
    B. USE DRAINAGE FILL MATERIAL AS FINAL 6" MINIMUM LAYER FOR GRANULAR SUB-BED UNDER ALL INTERIOR FLOOR SLABS RESTING ON EARTH AND UNDER EXTERIOR SIDEWALKS, STOOPS, AND STAIRS.
    C. USE AROUND ALL DRAIN TILE, PIPING, ETC. PRIOR TO BACKFILLING WITH STRUCTURAL FILL.
8. COMPACT ALL FILL MATERIALS TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D1557, MODIFIED PROCTOR TEST:
    A. FOUNDATIONS / ENGINEERED FILL: COMPACT THE TOP 12" OF EXISTING SOILS AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO 95% MAXIMUM DRY DENSITY.
    B. BUILDING SLABS: COMPACT THE TOP 6" OF EXISTING SOILS AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO 95% MAXIMUM DRY DENSITY.
    C. SIDEWALKS, STOOPS, AND STEPS: COMPACT THE TOP 6" OF EXISTING SOILS AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO 95% OF MAXIMUM DRY DENSITY.
9. FOUNDATION DESIGN DOES NOT ACCOUNT FOR WINTER CONSTRUCTION. ANY UNENCLOSED / UNHEATED SPACES SHALL BE ADEQUATELY PROTECTED AGAINST FROST DURING WIND CONSTRUCTION.

MATERIAL DESIGN PROPERTIES:

<u>CONCRETE MIX SCHEDULE:</u>

USE	28 DAY STRENGTH (PSI)	MAX AGG (INCHES)	MAX SLUMP (INCHES)	MIN CEMENT (LBS/ CU YD)
FOOTINGS	3,500	1 1/2	5	494
WALLS/PIERS	3,500	3/4	4	517
GRADE BEAMS	3,500	3/4	4	517
GROUND SLABS	4,000	3/4	3	564

<u>BOLT STRENGHTS:</u>

ANCHOR RODS (ASTM F1554 GR 36)	Fy = 36,000 PSI
HIGH STRENGTH BOLTS (ASTM A325N)	Fy = 92,000 PSI

<u>REINFORCING STEEL STRENGTHS:</u>

BARS (ASTM A 615, GRADE 60)	Fy = 60,000 PSI
WELDED WIRE MESH (ASTM A 185)	Fy = 65,000 PSI

<u>STRUCTURAL STEEL STRENGTHS:</u>

WF SHAPES (ASTM A992 GR 50)	Fy = 50,000 PSI
ANGLES, CHANNELS, PLATES, & BARS (ASTM A36)	Fy = 36,000 PSI
SQUARE & RECTANGULAR TS OR HSS SECTIONS (ASTM A500, GR B)	Fy = 46,000 PSI
ROUND HSS SECTIONS (ASTM A500, GR B)	Fy = 42,000 PSI
STEEL PIPE (ASTM A53, GR B)	Fy = 35,000 PSI

<u>STRUCTURAL STEEL FOR PEMB SYSTEM:</u>

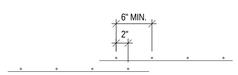
ROLLED STEEL SHAPES	PER BUILDING SUPPLIER
TUBING OR PIPE SHAPES	PER BUILDING SUPPLIER
COLD FORMED LIGHT GAGE MEMBERS	PER BUILDING SUPPLIER

FOUNDATION AND SLAB CONSTRUCTION NOTES:

1. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSIONS OF CURBS, CHASES, INSERTS, OPENINGS, SLEEVES, DRIPS, REVEALS, NOTCHES, BLOCKOUTS, REGLETS, FINISHES, DEPRESSIONS, AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS. VERIFY ALL REQUIREMENTS WITH PERTINENT CONTRACTORS. CAST-IN ANCHORS AND PLATES SHALL NOT DISPLACE REINFORCING FROM SPECIFIED LOCATION OR REDUCE MINIMUM COVER.
2. SLEEVES, CONDUITS, AND PIPES EMBEDDED IN OR PASSING THRU SLABS OR WALLS SHALL BE LOCATED AND PLACED SUCH THAT:
    A. THEY ARE NOT CLOSER THAN THREE (3) DIAMETERS OR 6" MINIMUM ON CENTER, WITH NO MORE THAN THREE (3) CONDUITS PER SIX-FOOT WIDTH OF SLAB.
    B. THE CONCRETE COVER IS NOT LESS THAN 1-1/2".
    C. THEY RUN BETWEEN REINFORCING AND DO NOT DISPLACE IT IN ANY MANNER.
    D. THEY ARE LOCATED AT MID-THICKNESS OF THE SLAB OR WALL.
    E. THEY SHALL NOT BE LARGER IN OUTSIDE DIAMETER AT ITS WIDEST POINT (OR FITTING) THAN 2" OR 1/4 THE THICKNESS OF THE SLAB OR WALL, WHICHEVER IS LESS. THIS RESTRICTION APPLIES TO THE TOTAL HEIGHT AT CONDUIT INTERSECTIONS / CROSSOVERS.
3. REFER TO ARCHITECTURAL DRAWINGS OR PLUMBING DRAWINGS FOR SPECIFIC FLOOR DRAIN LOCATIONS AND ELEVATIONS.
4. REFER TO STRUCTURAL DETAIL PLAN SHEETS FOR MISCELLANEOUS DETAILS NOT INDICATED ON PLAN. INCORPORATE INTO THE WORK AS IF DETAILED ON THE PLAN.
5. FORMWORK FOR FOOTINGS SHALL CONSIST OF A MANUFACTURED FORM SYSTEM OR A MINIMUM 1-1/2" THICK WOOD PLANK SECURED TO WOOD OR STEEL STAKES. POURING TO EXCAVATION BANK MAY NOT BE DONE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
6. USE HDO PLYWOOD FORMS FOR FOUNDATION WALLS WHICH ARE TO RECEIVE A PAINTED FINISH (SEE ARCHITECTURAL).
7. PROVIDE GALVANIZED OR STAINLESS STEEL TIES WITH 1" BREAK-BACK. A1
8. MAXIMUM LENGTH OF CONCRETE WALL POUR IS 60 FEET UNLESS SHOWN OTHERWISE ON THE DRAWINGS. PROVIDE CONSTRUCTION JOINT KEY WITH 1/2 OF HORIZONTAL WALL REINFORCEMENT CONTINUOUS THRU JOINT. WATERSTOPS SHALL BE PROVIDED FOR RETAINING WALLS AND BASEMENT WALLS EXPOSED TO EARTH OR WEATHER. LOCATION OF ALL CONSTRUCTION JOINTS MUST BE APPROVED BY THE ENGINEER.
9. PROVIDE WALL CONSTRUCTION JOINTS AS DETAILED. ALLOW AT LEAST 24 HOURS BETWEEN POURING ADJACENT WALL SECTIONS AT CONSTRUCTION JOINTS.
10. CONCRETE SLABS ON GRADE CONTAINING WELDED WIRE MESH (WWM) SHALL HAVE THE WWM LOCATED IN THE MIDDLE TO THE UPPER 1/3 OF THE SLAB. WWM SHALL BE SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACING NOT TO EXCEED 3 FEET OR IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. INSTALL WWM IN MAXIMUM LENGTHS POSSIBLE.
11. WHERE FIBERMESH IS SPECIFIED TO BE INCLUDED IN SLABS-ON-GRADE, PROVIDE FIBERMESH 650 AT RATE OF 3.0 LB/CU YD. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR MIXING, PLACING, AND FINISHING.
12. PROTECT AND CURE CONCRETE SLABS PER ACI 308.
13. PROVIDE 1/2" THK ISOLATION JOINTS WITH CELLULOSE FIBER WHERE SLABS ABUT WALLS, COLUMNS, AND OTHER VERTICAL SURFACES UNLESS OTHERWISE INDICATED ON THE PLANS. PROVIDE ISOLATION JOINTS AROUND EQUIPMENT, PADS, DRAINS, MANHOLES, SUMPS, OR OTHER POINTS OF RESTRAINT.
14. PROVIDE MIN. 10 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE: SEE SPECIFICATIONS SECTION FOR RECOMENDED PRODUCTS. SEAL VAPOR BARRIER TO ENTIRE PERIMETER OF SLAB OR FOUNDATION WALL, AND ALL PENETRATIONS, INCLUDING PIPES, PER MANUFACTURER'S RECOMMENDATIONS, DETAILS, AND ACCESSORIES. REPAIR ALL DAMAGED AND PUNCTURED AREAS OF VAPOR BARRIER PER MANUF SPECS.
15. CONCRETE COLUMNS OR PIERS SHOWN INTEGRAL WITH CONCRETE WALLS SHALL BE POURED MONOLITHICALLY WITH ADJACENT CONCRETE WALLS.
16. TEMPORARY BRACING MUST BE PROVIDED FOR ALL VERTICAL DOWELS IN FOUNDATION WALLS AND RETAINING WALLS IN ORDER TO INSURE PROPER POSITION (PLUMB) AND LOCATION.
17. WHERE FILL MATERIAL IS REQUIRED ON BOTH SIDES OF WALLS, IT SHALL BE PLACED SIMULTANEOUSLY. REFER TO PLANS AND SPECIFICATIONS FOR TYPE, PLACING, AND COMPACTION OF FILL.
18. WHERE FILL MATERIAL IS PLACED ON ONE SIDE OF A WALL, THE WALL SHALL BE ADEQUATELY SHORED AND BRACED OR THE MATERIAL SHALL NOT BE PLACED UNTIL SUPPORTING FLOOR SLABS AND/OR SUPPORTING FLOOR SYSTEMS HAVE BEEN INSTALLED AND TIED INTO THE WALL AS INDICATED ON THE DRAWINGS.

CONCRETE REINFORCING NOTES:

1. ALL CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. ALL WELDED WIRE MESH (WWM) TO BE ASTM A185.
2. ALL REINFORCING SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315 AND 315R (MOST CURRENTLY ADOPTED EDITION).
3. PROVIDE MINIMUM COVER PER ACI 318, 7.7.1. ALSO SEE "MILD REINFORCING STEEL PROTECTION" NOTES.
4. WIRE SPACERS, CHAIRS, TIES, ETC. FOR SUPPORT OF STEEL REINFORCING SHALL BE PROVIDED BY THE CONCRETE CONTRACTOR TO ENSURE REINFORCING IS PLACED AND MAINTAINED IN THE PROPER POSITION DURING CONCRETE PLACEMENT.
5. ALL HOOKS IN STEEL REINFORCING SHALL BE ACI STANDARD HOOKS, UNO.
6. TERMINATE NON-CONTINUOUS STEEL REINFORCING WITH AN ACI STANDARD HOOK IF REQUIRED EMBEDMENT SHOWN ON DRAWINGS CANNOT BE OBTAINED.
7. ALL LAPS SHALL BE CLASS "B" PER ACI 318 UNO ON THE DESIGN DRAWINGS, OR UNLESS THE DETAILER TAKES SPECIAL CARE TO PROVIDE STAGGERED LAPS. USE TOP BAR LENGTHS FOR ALL HORIZONTAL WALL BARS AND FOR TOP BARS IN SLABS AND BEAMS OVER 12" DEEP. USE CLASS "B" LAP FOR BARS AT WALL CORNERS AND INTERSECTIONS PER DETAILS.
8. STEEL REINFORCING SPLICES OF ADJACENT BARS SHALL BE STAGGERED SUCH THAT SPLICES ARE 4' APART, MINIMUM.
9. OPENINGS IN CONCRETE WALLS AND SLABS SHALL BE REINFORCED AS DETAILED OR, AS A MINIMUM, WITH TWO (2) #5 BARS PLACED ALONG FACES AND EXTENDING 2'-0" BEYOND CORNERS UNLESS OTHERWISE NOTED. PROVIDE ONE (1) #5 BAR X 4'-0" LONG DIAGONALLY AT EACH CORNER PLACED IN EACH FACE OF WALL OR SLAB THICKER THAN 6". SEE DETAILS.
10. PROVIDE REINFORCEMENT AT FOOTING STEPS AS SHOWN ON DETAILS.
11. WELDING OF STEEL REINFORCEMENT IS NOT PERMITTED.
12. WELDED WIRE MESH (WWM) SHALL BE SUPPLIED IN FLAT SHEETS ONLY AND SHALL BE LAPPED AND / OR ANCHORED TO DEVELOP Fy PER ACI 315.



SEE NOTE 12 ABOVE

CAST-IN-PLACE CONCRETE NOTES:

1. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO THE LOCAL BUILDING CODE REQUIREMENTS AND THOSE OF THE LATEST EDITION OF THE FOLLOWING STANDARDS: ACI 318, ACI 315, ACI 301, AND ACI 307.
2. CONTRACTOR SHALL NOTIFY ENGINEER AT LEAST 48 HOURS PRIOR TO PLACING CONCRETE TO FACILITATE ON-SITE OBSERVATION OF CONCRETE PLACEMENT AND REBAR.
3. WHEN THE AVERAGE TEMPERATURE IS EXPECTED TO DROP BELOW 40 DEGREES FAHRENHEIT FOR THREE (3) SUCCESSIVE DAYS, COLD WEATHER CONCRETING REQUIREMENTS SHALL BE FOLLOWED. REFER TO ACI 306R.
4. WHEN AMBIENT AIR OR CONCRETE TEMPERATURE EXCEEDS 90 DEGREES FAHRENHEIT, STEEL REINFORCING AND/OR FORMING SURFACES ARE ABOVE 120 DEGREES FAHRENHEIT, OR WHEN WIND VELOCITY, HUMIDITY, OR SOLAR RADIATION CREATE CONDITIONS OF ACCELERATED MOISTURE LOSS AND INCREASE RATE OF HYDRATION, HOT WEATHER CONCRETING REQUIREMENTS SHALL BE FOLLOWED. REFER TO ACI 305R.
5. CONCRETE SHALL BE CURED ABOVE 50°F (10°C) AND IN A MOIST CONDITION FOR AT LEAST THE FIRST SEVEN (7) DAYS AFTER PLACEMENT.
6. ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE (RETAINING WALLS, EXTERIOR SLABS, CURBS, ETC. BUT EXCLUDING EXPOSED FOUNDATION WALLS) SHALL BE AIR ENTRAINED TO 6% (+/- 1.5%) AND HAVE A MAXIMUM 1" AGGREGATE. ALL CONCRETE WITHOUT SUPERPLASTICIZERS SHALL HAVE A MAXIMUM SLUMP OF 4".
7. FOR ALL OTHER CONCRETE, UNLESS THE MIX DESIGN INCLUDES THE USE OF SUPERPLASTICIZERS, CONCRETE WITH A SLUMP GREATER THAN 5" SHALL BE REFUSED.
8. MIXING AND PLACING OF CONCRETE TO BE IN ACCORDANCE WITH ACI 318. CONCRETE SHALL BE DEPOSITED AS NEARLY AS PRACTICAL IN ITS FINAL POSITION TO AVOID SEGREGATION DUE TO REHANDLING OR FLOWING. CONCRETING SHALL BE CARRIED ON AT SUCH A RATE THAT CONCRETE IS AT ALL TIMES PLASTIC AND FLOWS READILY INTO SPACES BETWEEN REINFORCEMENT. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED WITH MECHANICAL VIBRATION EQUIPMENT DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT AND EMBEDDED FIXTURES AND INTO CORNERS OF FORMS.
9. CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED. OTHER ACCELERATORS ARE NOT RECOMMENDED.
10. ALL CONCRETE SURFACES SHALL BE FORMED UNO OR APPROVED BY THE ENGINEER.
11. PROVIDE A 3/4" CHAMFER ON EXPOSED CORNERS OF CONCRETE, UNO. TOP EDGES OF FINISHED WALLS SHALL BE TOOLED, UNO.
12. PIPE SLEEVES OVER 1-1/2" IN DIAMETER WHICH PASS THROUGH CONCRETE WALLS OR SLABS SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE. ALL OTHER SLEEVES SHALL BE 18 GAUGE METAL. SLEEVES SHALL BE ONE SIZE LARGER THAN OUTSIDE DIAMETER OF PIPE PASSING THROUGH SLEEVE. VERIFY SIZE AND NUMBER WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS. SLEEVES, CONDUITS, OR PIPES THROUGH SLABS AND WALLS SHALL BE PLACED AT THREE DIAMETERS O/C, OR 4" MINIMUM.
13. ALUMINUM CONDUIT OR PIPING SHALL NOT BE EMBEDDED IN CONCRETE.
14. ANCHOR BOLTS TO BE F1554 GR. 36 THREADED RODS OR HEADED BOLTS. THREADED RODS SHALL HAVE A NUT AND WASHER SECURED TO THE EMBEDDED END EITHER BY WELD OR DOUBLE NUT. UNLESS INDICATED OTHERWISE ON THE DRAWINGS, MINIMUM EMBEDMENT LENGTHS TO BE AS FOLLOWS:
    A. 1/2" DIAMETER: 8" MIN. EMBEDMENT
    B. 5/8" DIAMETER: 10" MIN. EMBEDMENT
    C. 3/4" DIAMETER: 12" MIN. EMBEDMENT
15. DELIVERY TICKETS FOR EACH LOAD OF CONCRETE DELIVERED TO THE JOBSITE SHALL BE FURNISHED UPON REQUEST TO THE ENGINEER. TICKET INFORMATION SHALL CONTAIN ALL PERTINENT DESIGN INFORMATION, INCLUDING AMOUNT OF WATER ADDED AT THE JOB SITE, IF ANY.
16. CONCRETE SURFACE REPAIRS: REPAIR AND PATCH DEFECTIVE AREAS WITH CEMENT MORTAR IMMEDIATELY AFTER REMOVAL OF FORMS, BUT ONLY WHEN AND AS ACCEPTABLE TO THE ARCHITECT / ENGINEER. RESURFACE HONEYCOMBS, ROCK POCKETS AND VOIDS OVER ¼" IN ANY DIMENSION. THOROUGHLY CLEAN AND DAMPEN THE AREA TO BE RESURFACED WITH WATER THEN "BRUSH" CEMENT MORTAR OR PROPRIETARY PATCHING COMPOUND APPROVED BY THE ARCHITECT.
17. PLUMBING OR MECHANICAL OPENINGS, SLEEVES, ETC. ARE NOT ALLOWED THRU CONCRETE BEAMS, FOOTINGS, OR OTHER STRUCTURAL CONCRETE UNLESS SHOWN ON APPROVED SHOP DRAWINGS AND APPROVED BY THE ENGINEER.
19. CONCRETE BAR SPLICES: SPLICE REINFORCING WHERE INDICATED ON THE DRAWINGS. ALL SPLICES SHALL BE CLASS 'B' AS DEFINED IN ACI 318. IF SPLICE LENGTH IS NOT GIVEN ON THE DRAWINGS, PROVIDE LAP LENGTHS (IN INCHES) AS FOLLOWS:

CONCRETE BAR SPLICE SCHEDULE

	3000 PSI CONCRETE		4000 PSI CONCRETE	
BAR SIZE	OTHER	TOP	OTHER	TOP
#3	22	28	19	25
#4	29	38	25	33
#5	36	47	31	41
#6	43	56	37	49
#7	63	81	54	71
#8	72	93	62	81
#9	81	105	70	91

LAP LENGTHS ASSUME CLEAR SPACING BETWEEN BARS OF 2 BAR DIAMETERS, AND A MINIMUM COVER OF 1 BAR DIAMETER. FOR DEVELOPMENT LENGTHS, DIVIDE BY 1.3. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 1'-0" OF FRESH CONCRETE BELOW.

DESIGN DATA (BLDG 1200B):

<u>DESIGN CODE(S):</u>
2015 IBC - INTERNATIONAL BUILDING CODE

<u>WIND LOAD INFORMATION:</u>

ULTIMATE WIND SPEED	105 MPH
NOMINAL WIND SPEED	81.3 MPH
BUILDING OCCUPANCY CATEGORY	I
WIND LOAD IMPORTANCE FACTOR (Iw)	1.00
WIND EXPOSURE	C
WIND LOADS	AS DETERMINED BY PEMB DESIGNER

<u>SEISMIC LOAD INFORMATION:</u>

BUILDING OCCUPANY CATEGORY	I
SEISMIC IMPORTANCE FACTOR	1.00
SITE CLASS	D
SEISMIC LOADS	AS DETERMINED BY PEMB DESIGNER

<u>SNOW LOAD INFORMATION:</u>

GROUND SNOW LOAD	30 PSF
SNOW EXPOSURE FACTOR (Ce)	1.0
OCCUPANCY CATEGORY	I
SNOW LOAD IMPORTANCE FACTOR (Is)	0.8
THERMAL FACTOR (Ct)	1.20
FLAT ROOF SNOW LOAD (Pf)	AS DETERMINED BY PEMB DESIGNER
BALANCED SNOW LOAD (Ps)	AS DETERMINED BY PEMB DESIGNER
UNBALANCED SNOW LOADS:	AS DETERMINED BY PEMB DESIGNER

<u>SOIL LOAD INFORMATION:</u>

ALLOWABLE NET SOIL BEARING PRESSURE	2,000 PSF
SOILS REPORT AVAILABLE	NTS 782.48 (DATED JUNE 2, 2018)

<u>ROOF DESIGN LOADS:</u>

DESIGN / BALANCED SNOW LOAD (P_S)	AS DETERMINED BY PEMB DESIGNER
DESIGN DRIFT LOAD	AS DETERMINED BY PEMB DESIGNER
UNBALANCED SNOW LOADS	SEE SNOW LOAD INFORMATION
DESIGN DEAD LOAD	ACTUAL DEAD WEIGHT OF PEMB ROOF
PLUS COLLATERAL LOAD	5.0 PSF
DEFLECTION LIMITS	SEE PEMB NOTES

<u>MEZZANINE FLOOR DESIGN LOADS:</u>

DESIGN LIVE LOAD	
LIGHT STORAGE	125.0 PSF
DESIGN DEAD LOADS	
STEEL GRATING	9.0 PSF
STEEL BEAMS	55.0 PSF
MEP / MISC	3.0 PSF

DESIGN DATA (BLDG 1800 ADDITION):

<u>DESIGN CODE(S):</u>
2015 IBC - INTERNATIONAL BUILDING CODE

<u>WIND LOAD INFORMATION:</u>

ULTIMATE WIND SPEED	105 MPH
NOMINAL WIND SPEED	81.3 MPH
BUILDING OCCUPANCY CATEGORY	I
WIND LOAD IMPORTANCE FACTOR (Iw)	1.00
WIND EXPOSURE	C
WIND LOADS	AS DETERMINED BY PEMB DESIGNER

<u>SEISMIC LOAD INFORMATION:</u>

BUILDING OCCUPANY CATEGORY	I
SEISMIC IMPORTANCE FACTOR	1.00
SITE CLASS	D
SEISMIC LOADS	AS DETERMINED BY PEMB DESIGNER

<u>SNOW LOAD INFORMATION:</u>

GROUND SNOW LOAD	30 PSF
SNOW EXPOSURE FACTOR (Ce)	1.0
OCCUPANCY CATEGORY	I
SNOW LOAD IMPORTANCE FACTOR (Is)	0.8
THERMAL FACTOR (Ct)	1.20
FLAT ROOF SNOW LOAD (Pf)	AS DETERMINED BY PEMB DESIGNER
BALANCED SNOW LOAD (Ps)	AS DETERMINED BY PEMB DESIGNER
UNBALANCED SNOW LOADS:	AS DETERMINED BY PEMB DESIGNER

<u>SOIL LOAD INFORMATION:</u>

ALLOWABLE NET SOIL BEARING PRESSURE	2,000 PSF
SOILS REPORT AVAILABLE	NTS 782.48 (DATED JUNE 2, 2018)

<u>ROOF DESIGN LOADS:</u>

DESIGN / BALANCED SNOW LOAD (P_S)	AS DETERMINED BY PEMB DESIGNER
DESIGN DRIFT LOAD	AS DETERMINED BY PEMB DESIGNER
UNBALANCED SNOW LOADS	SEE SNOW LOAD INFORMATION
DESIGN DEAD LOAD	ACTUAL DEAD WEIGHT OF PEMB ROOF
PLUS COLLATERAL LOAD	5.0 PSF
DEFLECTION LIMITS	SEE PEMB NOTES

SHEET INDEX

Sheet Number	Sheet Name
S001R	STRUCTURAL NOTES
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S101	BLDG 1800 ADDITION - FND PLAN
S200	FOUNDATION DETAILS
S201	FOUNDATION DETAILS
S202	FOUNDATION DETAILS
S203	FOUNDATION DETAILS

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JSD PROJECT #: 18-8518

Project Title:
SOUTHWEST WISCONSIN TECHNICAL COLLEGE
COLD STORAGE BUILDINGS

Project Location:
1800 BRONSON BLVD.
FENNIMORE, WISCONSIN

Sheet Title:
STRUCTURAL NOTES

HSR Project Number:
1819-01

Project Date:
JUNE 2018

Drawn By:
PGB

Key Plan:

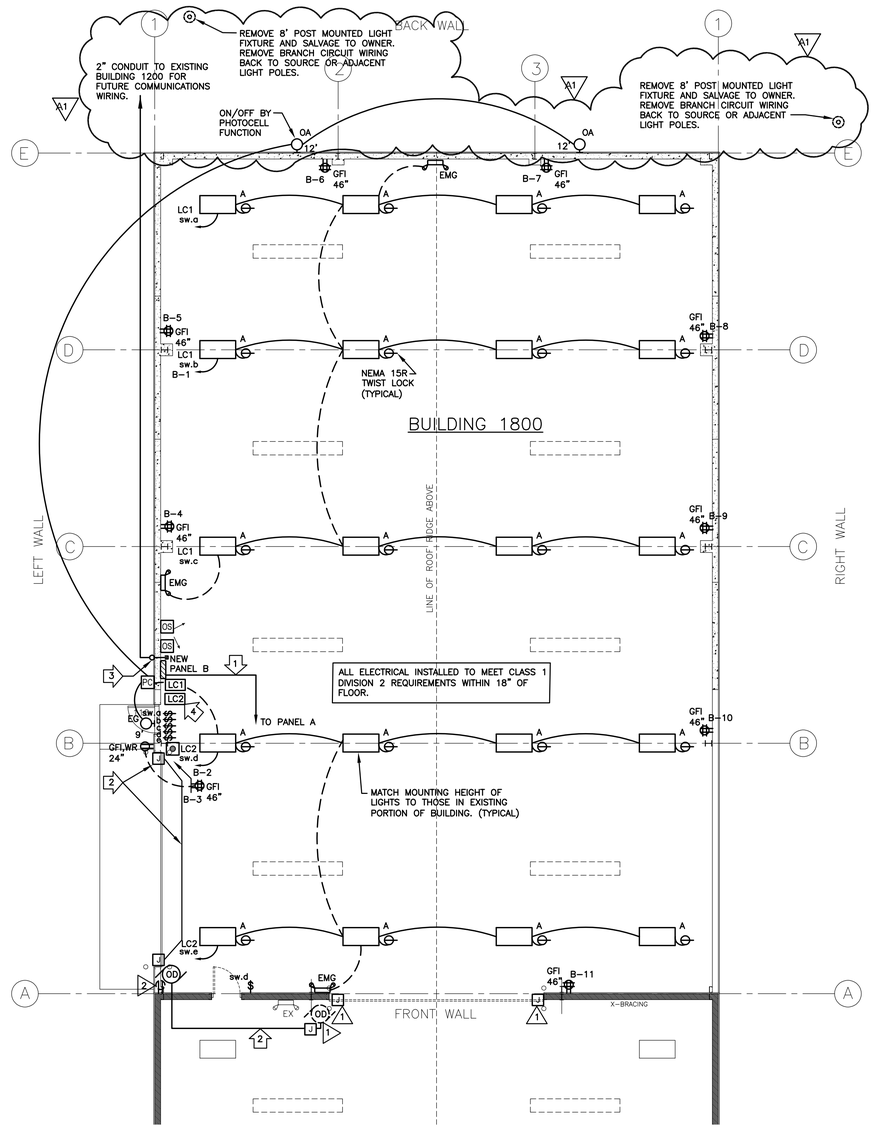
Revisions:

No.	Description	Date
A1	ADDENDUM#1	7-25-2018

Graphic Scale:
VARIES

Last Update:
7/25/2018 10:21:55 AM

S001R



1 BLDG 1800 – FLOOR PLAN
1/8" = 1'-0"

CONSTRUCTION NOTES: REMOVAL BUILDING 1800

GENERAL NOTES:

a. REMOVE ALL ELECTRICAL DEVICES SHOWN AND ABANDON WIRING/CONDUIT.

b. ELECTRICAL CONTRACTOR TO INCLUDE ALL DEVICES REQUIRED FOR REMOVAL. MAINTAIN OPERATION OF ALL EXISTING RECEPTACLES AND DEVICES TO REMAIN. PROVIDE NEW HOMERUNS OF CONDUIT/WIRING WHERE REQUIRED..

c. PROVIDE COVERPLATES AT ALL OPEN DEVICE AND JUNCTION BOXES.

SPECIFIC NOTES:

1. REMOVE ELECTRICAL CONNECTION TO OVERHEAD DOOR MOTOR TO BE RELOCATED.
2. REMOVE RACEWAYS/WIRING FOR DOOR LIMIT SWITCHES AND SENSORS.

CONSTRUCTION NOTES: REMODEL BUILDING 1800

GENERAL NOTES:

a. ALL ELECTRICAL DEVICES SHOWN TO BE NEW, UNLESS INDICATED OTHERWISE.

b. MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES, EXTEND WIRING/CONDUIT TO LIGHTS, RECEPTACLES, CLOCKS, INTERCOM, SPEAKERS, ETC.

c. PROVIDE GROUND CONDUCTOR IN ALL NEW CONDUITS.

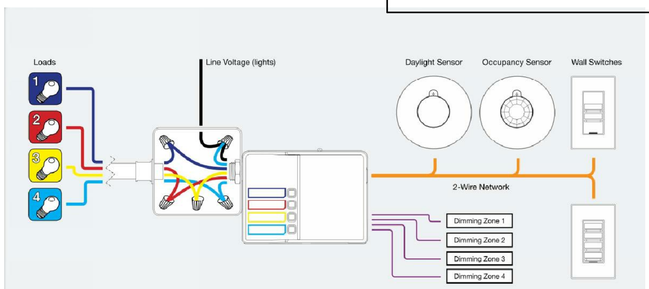
d. REINSTALL EXISTING LIGHTS, SMOKE DETECTORS, SPEAKERS, AND FIRE ALARM HORN/STROBES WHERE INDICATED. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.

e. PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATION SECTION 07840 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.

9. PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT. (NO COMMON NEUTRALS)

SPECIFIC NOTES:

1. PROVIDE 100 AMP FEEDER FROM EXISTING PANEL A, APPROXIMATELY 120 FEET (HORIZONTAL DISTANCE) FROM NEW PANEL B.
2. PROVIDE RACEWAY AND LOW VOLTAGE WIRING FOR LIMIT SWITCHES AND SENSORS. COORDINATE INSTALLATION WITH DOOR INSTALLER. (TYPICAL OF ALL OVERHEAD DOOR LOCATIONS)
3. PROVIDE 2" CONDUIT STUBBED INTO BUILDING FOR FUTURE COMMUNICATIONS CABLES. PROVIDE LB FITTING AT EXTERIOR.
4. PROVIDE LIGHTING CONTROLLERS, REFER TO DETAIL 2E101.
5. EXTEND EXISTING DOOR BRANCH CIRCUIT TO NEW LOCATION AS REQUIRED.



2 LIGHTING CONTROLLER DETAIL
NTS

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLT	MOUNTING **				LAMPS			REMARK NUMBER
					F	S	P	O	NO.	WATT	TYPE	
A	COLUMBIA	MPL4-40HL-W-EU-C10TL15	CABLE MOUNTED HIGH BAY LED - LWSQM10	120		*			-	86	LED 4000K	1
B	COLUMBIA	LCL4-40-HL-E	SURFACE MOUNTED LED LENSED STRIP	120		*			-	55	LED 4000K	
OA	HUBBELL	TRP1-12L-20-4K7-3-U-DB	SURFACE MOUNTED WALLPAK LIGHT	120		*			-	20	LED 4000K	2
OB	HUBBELL	LMC-30LU-4K-3-1	SURFACE MOUNTED WALLPAK	120		*			-	84	LED 4000K	2
EG	HUBBELL	TRP1-12L-15-4K7-3-U-DB-EH	SURFACE MOUNTED WALLPAK LIGHT	120		*			-	15	LED 4000K	2,3
EMG	DUAL-LITE	EVHC12I	HIGH LUMEN EMERGENCY LIGHT	120		*			-	12	LED 4000K	3
X1	DUAL-LITE	EVEURWEI	LED EXIT LIGHT	120		*			-	2	LED 4000K	3

* SEE REMARKS
** (F) FLUSH MOUNT; (S) SURFACE MOUNT; (P) PENDANT HUNG; (O) OTHER-SEE REMARKS IN REGARDS TO FIXTURE MOUNTING.

LIGHTING FIXTURE SCHEDULE REMARKS:

1. LED HIGH BAY FIXTURE, PROVIDE 10' CABLES FOR MOUNTING, PROVIDE WITH 10' CORD AND TWIST-LOCK PLUG;. WIDE DISTRIBUTION WITH FROSTED ACRYLIC LENS.
2. DIE-CAST ALUMINUM, WET LOCATION, BRONZE FINISH AND TYPE III DISTRIBUTION.
3. PROVIDE WITH EMERGENCY BATTERY.

EQUAL FIXTURES BY COOPER LIGHTING, HUBBELL LIGHTING AND DAY-BRITE/PHILLIPS ARE ACCEPTABLE.

MOTOR SCHEDULE

MOTOR NO.	EQUIPMENT	PLBG/ HVAC EQUIP. NO.	LOC. ROOM NO.	MOTOR RATING			DISCONNECT BY			STARTER BY			CONTROL WIRING BY		MOTOR WIRING			REMARK NUMBER
				HP	VOLT	PH	MECH.	ELEC.	** TYPE	MECH.	ELEC	*** TYPE	MECH	ELEC.	SIZE CONDUCTORS	GRD.		
OD	OVERHEAD DOOR		SEE DRWGS.	1/2	120	1		X	TG			-		X	2 #12	#12		1

SEE REMARKS
(CB) CIRCUIT BREAKER; (CS) COMBINATION STARTER/DISCONNECT; (F) FUSED SAFETY SWITCH; (NF) NOT FUSED SAFETY SWITCH; (TS) TOGGLE SWITCH
*** (FVNR) FULL VOLTAGE NON-REVERSING MAGNETIC STARTER; (FVR) FULL VOLTAGE REVERSING MAGNETIC STARTER; (MS) MANUAL STARTER-WITH OVERLOAD PROTECTION; (MSW) MANUAL SWITCH-WITHOUT OVERLOAD PROTECTION; (MCC) MOTOR CONTROL CENTER; (RV) REDUCED VOLTAGE STARTER; (VFD) VARIABLE FREQUENCY DRIVE: (MCA) MINIMUM CIRCUIT AMPACITY.

MOTOR SCHEDULE REMARKS:

1. ELECTRICAL CONTRACTOR TO PROVIDE RACEWAYS AND LOW VOLTAGE WIRING FOR SENSORS AND LIMIT SWITCHES. COORDINATE LOCATION AND WIRING REQUIREMENTS WITH OVERHEAD DOOR INSTALLER.

PANELBOARD SCHEDULE

PANEL TYPE ⊏⊐⊐	ROOM NO.	MFGR. TYPE	MOUNTING		SIZE		MAINS					BRANCHES					REMARK NUMBER
			FLUSH	SURFACE	WIDTH	DEPTH	ELECTRICAL SERVICE	AMP.	LUGS	BREAKER	SWITCH	FEED THRU LUGS	NO.	AMP.	POLE	CIRCUIT NUMBERS	SPACE	
PANEL A	BLDG. 1800	EXISTING SQ D NQOD		X			120/208 VOLT 3 PH, 4 WIRE	200		X			1	100	3	BACK FEED AS MAIN BREAKER		1
PANEL B	BLDG. 1800	SQ D NQ		X			120/208 VOLT 3 PH, 4 WIRE	100		X			1	100	3	MAIN BREAKER		2,3
													11	20	1	B-1, 2-11		
													8	20	1	SPARES		
PANEL C	BLDG. 1200B	SQ D NQ		X			120/208 VOLT 3 PH, 4 WIRE	200		X			1	200	3	MAIN BREAKER		2,3
													18	20	1	C-1, 2-18		
													12	20	1	SPARES		

* SEE REMARKS

PANELBOARD SCHEDULE REMARKS:

1. PROVIDE A 100 CIRCUIT BREAKER TO SUB-FEED NEW PANEL B.
2. PROVIDE NEW 42 SPACE PANELBOARD.
3. PROVIDE SQUARE D PANELBOARDS, NO EQUAL MANUFACTURERS.

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Project Title: SOUTHWEST WISCONSIN TECHNICAL COLLEGE
COLD STORAGE BUILDINGS

Project Location: 1800 BRONSON BLVD.
FENNIMORE, WISCONSIN

Sheet Title: BLNG 1800 - ELECTRICAL FLOOR PLAN

HSR Project Number: 18026

Project Date: JUNE 2018

Drawn By: SCOTT GERZSIK

Key Plan:

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No.	Description	Date
1	ADDENDUM NO. 1	7/25/18

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E101R