Ruekert • Mielke
W233 N2080 Ridgeview Parkway, Waukesha, WI 53188-1020 262-542-5733

February 11, 2020

Mr. Doug Barnes
Zimmerman Architectural Studios, Inc.
2122 W. Mount Vernon Avenue
Milwaukee, WI 53233

Re: Village of Hartland
St. Charles Church Addition
2nd Plan Review Letter

Dear Mr. Barnes:

The Village of Hartland's Staff as well as Ruekert & Mielke, Inc. (R/M) have reviewed your site plans submittal dated January 27, 2020 consisting of 35 plan sheets. The previously submitted storm water management plan was prepared by Harwood Engineering Consultants, Ltd. dated December 30, 2019 has not yet been updated to include the modeling of the offsite stormwater flows that are intended to be partially routed through the storm water basin. We are providing the following comments as guidance and direction for your design staff in preparation of your next plan submittal. **Please respond to the comments below, in writing, with your next submittal.** You should plan to attend the Plan Commission meeting on February 17, 2020 at 6:30 pm to present the updates to your project plans.

Storm Water Management Plan

1. The Village of Hartland Storm Water Management / TMDL Plan Update, dated May 2017 identifies a high priority water quality project (TSS/Phosphorus reduction) as Alternative 2 – which would entail routing a 52-acre basin south of Renson Road into and through the St. Charles stormwater pond on the southwest side of the site. This project involves the Village of Hartland and St. Charles working together to implement this Alternative when the St. Charles Church Addition would occur.
    a. St. Charles Church and Village representatives met during January to discuss the responsibilities for implementing the alternative identified above.
    b. St. Charles will complete the update the stormwater management plan for the site to include the offsite drainage area and will model the results of the stormwater management facilities for the water quality benefits with TSS and Phosphorus reductions.
    c. The stormwater basin has been changed to a dual cell infiltration basin with a dry forebay.
    d. The responsibilities of the stormwater basin are as follows: owned by St. Charles Church; the aesthetic ongoing maintenance will be performed by St. Charles Church; and the annual inspection and functional maintenance will be performed by the Village.
    e. The Village will design, install and own a control structure along the 36-inch storm sewer in Renson Road that will have the low flow controlled to route to the storm water basin with an approximately sized 15-inch storm sewer that will be owned by the Village.
    f. The Stormwater Maintenance Agreement will be structured for: ownership of the St. Charles Church storm sewer system and stormwater basin to remain as owned by St Charles Church; the Village storm control structure and 15-inch storm sewer inlet pipe will be owned by the Village; the annual inspection and functional maintenance of the stormwater basin will be the responsibility of the Village; and the ongoing aesthetic maintenance of the stormwater basin and all other onsite storm sewer

system components will be by St. Charles Church. This agreement needs to be signed and recorded with the County.

2. The WINSLAMM model should present the phosphorus reduction results.
3. The storm water plan should have page numbers on all pages.

Site Plan – Detailed West/East - Sheet C1.11/C1.12

1. The westerly access drive has been reduced to a 16-foot width, egress only direction with an additional 8-foot of space provided between the westerly property line and the access drive. A fence has been proposed as a separator between the access drive and the neighboring property to the west.
2. Remove and replace the existing concrete curb and gutter along the curb radius at the point of connection with the access drive and Renson Road. Replace with a 24-inch valley concrete gutter with the flowline in the middle. Provide a detail.
3. Remove and replace the two, stormwater inlet frame and grates and replace with Neenah R3382 (w/C type grate).
4. Stop bar and cross walk stripping within the Village right-of-way shall be epoxy.
5. Notes: Note 2 – add, "Sawcut full depth at limits".
6. Provide insulation between water main and storm sewer at all crossings. Provide insulation detail.
7. Valley gutter at Circle Drive and easterly access shall be 24-inch with flowline in middle.
8. Is the fence location alright within the parameters of the existing overhead power lines and associated easement rights of the private utility? Does the fence inhibit access or the ability to maintain the power lines?
9. The connection of the water service to the water main shall be performed with a live tapping sleeve/valve. This valve will serve as the shut off valve. The water service to St. Charles will need to be lowered under the storm sewer crossing in Renson Road to allow for clearance and insulation.
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Grading Plan – West/East - Sheet C1.20/C1.21

11. It appears that the existing sanitary manhole that will be in the proposed sidewalk west of the access drive may need to be lowered. Will there need to be any grading on the neighboring property?
12. Move the proposed Village control structure to be 225 feet east of the westerly storm manhole. Locate the flared end section of the Village's inlet pipe into the central portion of the dry forebay.
13. Provide updated stormwater management plan with basin delineations for onsite storm sewer and flow calculations.

Erosion Control Plan - Sheet C1.30

14. Need to complete soil lost calculation and show that size of the "temporary sediment basin" is adequate.
15. Need to specify how the "temporary sediment basin" will be configured. Dig infiltration basin to within 1-foot of finished grade and excavate remaining following site stabilization?
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19. Install inlet protection in the Renson Road driveway inlet. Use Type D inlet protection for inlets within Village right-of-way. What type inlet protection is being used throughout the site?

Overall Landscape & Planting Plan - Sheet L1.0

20. What is the seed specification and timing for the infiltration basin?

Electric Plans

21. The photometrics map needs to be updated to show the limits at the property lines.

The following are items that the applicant should consider adding to an updated St. Charles Church Business Plan of Operations to be presented at the Plan Commission.

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2. Parking – The parking stall dimensions are 9-foot by 18-foot resulting in a 172 square foot stall size which is less than the 180 square foot minimum. In consideration of the spillover effect of parking on the adjacent residential streets, the parking stall dimensions allow for more onsite parking.

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Summary

The following are remaining submittals or permits that the applicant will need to provide to complete the Village approval process:

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Respectfully,

RUEKERT & MIELKE, INC.



Ryan T. Amtmann, P.E. (WI, IL)
Vice President
ramtmann@ruekertmielke.com

RTA:rta

cc: Tim Rhode, Village of Hartland
Ryan S. Bailey, CPA, Village of Hartland
Scott Hussinger, Village of Hartland
Mike Gerszewski, Village of Hartland
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Ryan T. Amtmann, P.E. (WI, IL)
Vice President
ramtmann@ruekertmielke.com

RTA:rta

cc: Tim Rhode, Village of Hartland
Ryan S. Bailey, CPA, Village of Hartland
Scott Hussinger, Village of Hartland
Mike Gerszewski, Village of Hartland
Dave Felkner, Village of Hartland

APPLICATION FOR
PLAN COMMISSION
☐ *$300 REVIEW FEE DUE AT TIME OF APPLICATION*

Project Description 33,700 SF Church Addition			
Proposed Use Religious		No. of Employees 83	
Project Location 313 Circle Drive - Hartland WI			
Project Name St. Charles Church Addition			
Owner St. Charles Catholic Parish	Phone (262) 367-0800		
Address 313 Circle Drive	City Hartland	State WI	Zip 53029
Engineer/Architect Zimmerman Architectural Studios	Phone (414) 476-9500	FAX	
Address 2122 W. Mt. Vernon Ave.	City Milwaukee	State WI	Zip 53233
Contact Person Douglas Barnes	Phone (414) 918-1461	FAX (414) 476-8582	E-mail doug.barnes@zastudios.com

The Plan Commission meets on the third Monday of the Month at 7:00 PM in the Village Board Room of the Hartland Municipal Building located at 210 Cottonwood Avenue, Hartland.

The deadline for filing is a minimum of fifteen (15) working days before the meeting.

All of the requested information must be received prior to the deadline in order to be placed on the agenda. Village Plan Review Staff has been directed to delay placement on the Plan Commission Agenda based on incomplete submittals.

Four (4) sets of bound application materials and one (1) electronic copy of all materials must be submitted.

Applications that include site plans must depict the following existing and proposed information:

- Complete dimensions (lot, building, setbacks, parking, drives, etc.)
- Scale and north arrow
- All structures (include building elevations and height)
- Drainage and grades (include design calculations for drainage)
- Storm Water Management Plan
- Utilities and easements (sewer, water, storm etc.)
- Calculation of lot coverage
- Parking stalls (stalls to be minimum 180 s.f., driving lanes minimum 24 ft. wide and 30 ft. maximum at street right-of-way, asphalt to be minimum 3 ft. from lot lines)
- Grading and erosion control
- Landscaping, including a Tree Protection Plan
- Exterior lighting details
- Exterior HVAC equipment location
- Dumpster location (screening required)
- Street right-of-way
- Miscellaneous, 100 year floodplain, wetland boundary, environmental corridor

Additional information may be requested by the Plan Commission or Staff.

All applications for consideration by the Plan Commission are subject to the policies described in this document.

Date Applied:	Date of Meeting:	Return Comments by:

Hartland Plan Commission
Application Review Policies

All applicants and applications are subject to the following policies in order to be considered by the Plan Commission.

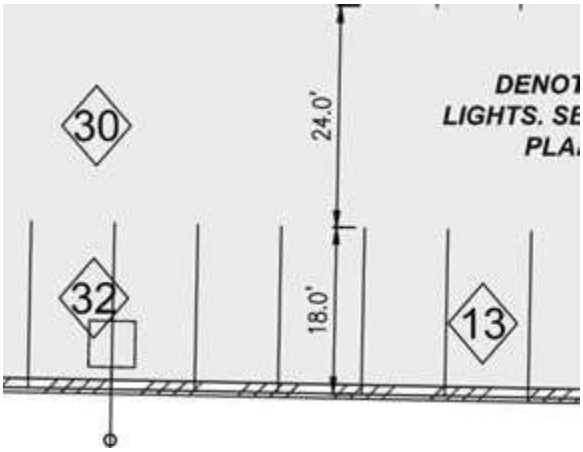
1. The deadline for filing any application is a minimum of fifteen (15) working days before the meeting.
2. All applicants are encouraged to communicate with or meet with either the Building and Zoning Official or the Village Administrator prior to submission of an application.
3. All requested or required information, including the application and appropriate fees, must be received prior to the deadline in order to be placed on the agenda. Village Staff has been directed to delay placement on the Plan Commission Agenda based on incomplete submittals.
4. Four (4) sets of bound site plans or application materials and one (1) electronic copy (PDF) of all application materials must be submitted by the deadline.
5. Applications that include site plans must depict the following existing and proposed information plus other information as appropriate or as requested:
    a. Complete dimensions (lot, building, setbacks, parking, drives, etc.)
    b. Scale and north arrow
    c. All structures (include building elevations and height)
    d. Drainage and grades (include design calculations for drainage)
    e. Storm Water Management Plan
    f. Utilities and easements (sewer, water, storm etc.)
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    i. Grading and erosion control
    j. Landscaping, including a Tree Protection Plan
    k. Exterior lighting details
    l. Exterior HVAC equipment location
    m. Dumpster location (screening required)
    n. Street right-of-way
    o. Miscellaneous items including, but not limited to, 100 year floodplain, wetland boundary, environmental corridor
6. Additional information may be requested by the Plan Commission or Staff.
7. The Applicant must complete and submit the required Professional Services Reimbursement Form along with any required deposit at the time of application.
8. The Applicant or a representative of Applicant able to make representations on behalf of the Applicant shall attend the meeting at which the matter will be discussed. Failure to have representation will result in tabling of the request to the next meeting.

From: Jason Albrecht
To: Darlene Igl
Cc: Douglas Barnes
Subject: RE: Planning Commission Submittal
Date: Tuesday, January 28, 2020 1:11:49 PM

Darlene,

After submittal of the required planning commission review documents (see email below for information) – our Civil Engineers noticed an incorrect/misleading item on their drawings. Below is the description:

On the site, grading, erosion control and demo plans, there are parking count numbers within the parking lot that are referencing the existing parking count. These numbers are spread out on the propose site and not within the proposed parking lines. Please disregard these numbers and use only the parking count numbers within the proposed parking lines. This correction has been made to the plans after it was sent to the Village on 1/27/2020.



Can you attach this clarification to the submittal?

Thank you,

Jason E. Albrecht, CDT
Associate | Project Manager
Direct: 414.918.1403
Main: 414.476.9500 Fax: 414.476.8582
Jason.Albrecht@zastudios.com

2122 West Mt. Vernon Avenue
Milwaukee, WI 53233
www.zastudios.com

From: Jason Albrecht

Sent: Monday, January 27, 2020 2:00 PM
To: 'Darlene Igl' <darlenei@villageofhartland.com>
Cc: Douglas Barnes <Doug.Barnes@zastudios.com>
Subject: Planning Commission Submittal

Good afternoon Darlene,

Below is the link to the **St. Charles Church Addition Planning Commission Submittal** for the scheduled date of **2/17/20** @ **6:30 pm** (please confirm). Included is the application. I will also be dropping off (4) hard copies of the submittal at the Village of Hartland Municipal Office.

https://cloud.zastudios.com/index.php/s/GfcoPSEaW5fMYbo

Thank you,

Jason E. Albrecht, CDT
Associate | Project Manager
Direct: 414.918.1403
Main: 414.476.9500 Fax: 414.476.8582
Jason.Albrecht@zastudios.com

2122 West Mt. Vernon Avenue
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St. Charles Catholic School & Parish

St. Charles Church Addition

313 Circle Drive
Hartland, WI 53029

Planning Commission Submittal

1.27.20

ARCHITECT/LANDSCAPE ARCHITECT:

ZIMMERMAN
ARCHITECTURAL STUDIOS, INC.
2122 W. Mount Vernon Avenue | Milwaukee, WI 53233 |
zastudios.com
TELEPHONE [414] 476.9500
FACSIMILE [414] 476.8582

CIVIL, STRUCTRAL, PLUMBING, MECHANICAL, ELECTRICAL ENGINEER:

HARWOOD ENGINEERING CONSULTANTS
255 North 21 Street
Milwaukee Wisconsin 53233
PH: (414) 475.5554 Fax: (414) 473.9299 harwood@hecl.com

CIVIL "C" SERIES

LANDSCAPE "L" SERIES

ARCHITECTURAL "A" SERIES

STRUCTURAL "S" SERIES

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MECHANICAL "M" SERIES

ELECTRICAL "E" SERIES

SHEET INDEX:

T0.0 TITLE SHEET

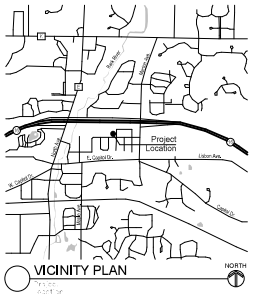
CIVIL
C1.10 PROJECT LOCATION & GENERAL NOTES
C1.11 SITE PLAN - DETAILED WEST
C1.12 SITE PLAN - DETAILED EAST
C1.20 GRADING PLAN - WEST
C1.21 GRADING PLAN - EAST
C1.30 EROSION CONTROL PLAN
C1.40 DEMO PLAN
C1.50 EXISTING SURVEY
C5.00 CONSTRUCTION DETAILS

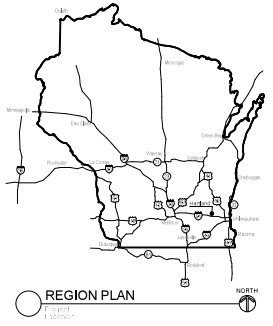
LANDSCAPE
L1.0 OVERALL LANDSCAPE PLAN
L3.0 ENLARGED LANDSCAPE PLAN
L2.1 ENLARGED PLANTING PLAN
L5.0 LANDSCAPE ENLARGEMENT, DETAILS, SCHEDULES & NOTES

ARCHITECTURAL
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A2.0b BASEMENT FLOOR PLAN - AREAB
A2.1 FLOOR PLAN - OVERALL
A2.1a FIRST FLOOR PLAN - AREA A
A2.1b FIRST FLOOR PLAN - AREA B
A2.2 CHOIR LOFT FLOOR PLAN
A2.2a CHOIR LOFT FLOOR PLAN - AREA A
A2.2b CHOIR LOFT FLOOR PLAN - AREAB
A4.0 EXTERIOR ELEVATIONS - NORTH
A4.1 EXTERIOR ELEVATIONS - EAST
A4.2 EXTERIOR ELEVATIONS - SOUTH
A4.3 EXTERIOR ELEVATIONS - WEST
A5.0 BUILDING SECTIONS
A5.1 BUILDING SECTIONS
A5.2 BUILDING SECTIONS
R1.0 RENDERINGS

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ES1.1 ELECTRICAL SITE PLAN - EAST
CRES1.0 CITY REVIEW ELECTRICAL SITE PLAN - WEST
CRES1.1 CITY REVIEW ELECTRICAL SITE PLAN - EAST







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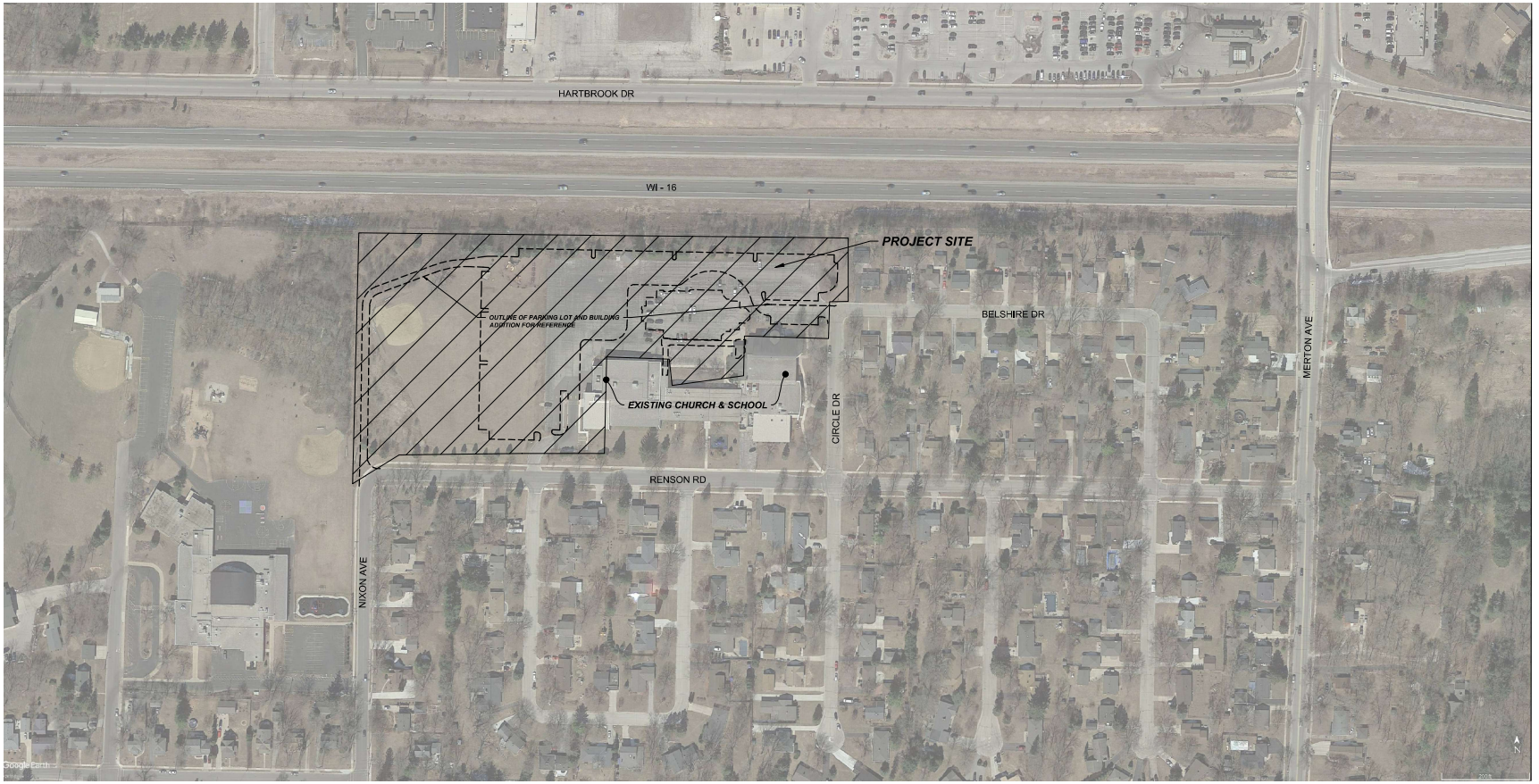
Project:
St. Charles Church Addition

Revisions:

No	Date	Description

Project No:
160088.01

Sheet No:
T0.0



LEGEND:

UTILITY

EXISTING:
- WATERMAIN
- BURIED ELECTRIC
- OVERHEAD WIRE
- GAS LINE
- SANITARY SEWER
- STORM SEWER
- UTILITY POLE
- LIGHT POLE
- SANITARY MANHOLE
- FIRE HYDRANT
- WATER VALVE
- STORM SEWER STRUCTURE

PROPOSED:
- WATERMAIN
- ELECTRICAL LINE
- GAS LINE
- SANITARY SEWER
- STORM SEWER
- WATER VALVE
- STORM SEWER STRUCTURE
- FLARED END SECTION

GRADING

EXISTING:
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING SPOT ELEVATION

PROPOSED:
- MAJOR CONTOUR
- MINOR CONTOUR
- SPOT ELEVATION (FINISHED GRADE, TOP OF PAVEMENT, FLANGE OF CURB)
- DOOR ELEVATION
- GROUND GRADE AT BUILDING
- SPOT ELEVATION (TC - TOP OF CURB, EP - EDGE OF PAVEMENT)
- RETAINING WALL SPOT ELEVATION (TW - TOP OF WALL, BW - GROUND GRADE AT BOTTOM)
- FLARED END SECTION (RPE-1870, INVERT ELEVATION)
- DRAINAGE FLOW DIRECTION
- EMERGENCY OVERFLOW ROUTE

SITE

EXISTING:
- EXISTING PARKING COUNT
- EXISTING SIGN
- EXISTING ADA PARKING SPACE

PROPOSED:
- PARKING COUNT
- ADA PARKING SPACE
- SIGN
- TRUNCATED DOMES
- PAVEMENT MARKING DIRECTIONAL ARROWS

GENERAL NOTES AND SPECIFICATIONS:

1. THE EXISTING SITE INFORMATION ON THIS PLAN WAS TAKEN FROM A SITE SURVEY PROVIDED BY CAPITOL SURVEY ENTERPRISES. THE ENGINEER MAKES NO WARRANTY OR REPRESENTATION WITH REFERENCE TO THE ACCURACY AND COMPLETENESS OF THE EXISTING CONDITIONS INDICATED OR NOT INDICATED ON THE ENGINEERING PLANS PROVIDED. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING SITE CONDITIONS INCLUDING UNDERGROUND UTILITIES, UNDERGROUND UTILITY ELEVATIONS, BUILDING SETBACKS AND EXISTING BUILDING LOCATIONS. THE CONTRACTOR SHALL INFORM THE OWNER AND ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING WITH WORK. QUESTIONS REGARDING THE EXISTING SURVEY SHALL BE DIRECTED TO THE PARTIES LISTED ABOVE.
2. BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, CONTRACTOR SHALL EXCAVATE EACH EXISTING UTILITY TO BE CONNECTED TO VERIFY INVERT ELEVATION, LOCATION AND SIZE. SHOULD THE EXISTING UTILITY NOT BE AS INDICATED ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR EVALUATION.
3. ALL UTILITY CONSTRUCTION SHALL ADHERE TO THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (2003), AS WELL AS, THE MUNICIPAL CONSTRUCTION STANDARDS AND THE DEPT. OF SAFETY AND PROFESSIONAL SERVICES SEC. 382-387.
4. ALL PERMITS MUST BE RECEIVED FROM THE MUNICIPALITY AND WDNR PRIOR TO THE START OF CONSTRUCTION. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL APPLICABLE PERMITS ARE RECEIVED PRIOR TO STARTING CONSTRUCTION.
5. NOTIFY THE PUBLIC WORKS INSPECTION DEPT. AT LEAST 48 HOURS BEFORE STARTING CONSTRUCTION.
6. BACKFILL REQUIREMENTS AND ROADWAY/SIDEWALK RESTORATION SHALL ADHERE TO LOCAL STANDARDS (GRANULAR BACKFILL UNDER OR WITHIN 5' OF CURBS, SIDEWALK, OR PAVEMENT, SPOIL MAY BE USED ELSEWHERE. SLURRY BACKFILL WILL BE REQUIRED IN PUBLIC ROADWAYS.)
7. ALL BUILDING UTILITIES SHALL BE VERIFIED WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
8. ALL PROPOSED WATERMAIN SHALL BE PVC SDR 18, CLASS 150, AWWA C900 WITH ELASTOMERIC JOINTS.
9. PROPOSED SANITARY SEWER RIPE SHALL BE PVC, ASTM D-3034, SDR 35 WITH RUBBER GASKETED JOINTS CONFORMING TO ASTM D-3212.
10. PROPOSED STORM SEWER SHALL BE PVC, ASTM D-3034, SDR 35 WITH RUBBER ELASTOMERIC JOINTS CONFORMING TO ASTM D-3212 (UNLESS OTHERWISE NOTED).
11. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NONMETALLIC UTILITIES MUST BE PROVIDED. PROVIDE TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORD WITH THE PROVISIONS SECTIONS 182.0715(2R) OF THE STATE STATUTES.
12. UTILITY TRENCHES SHALL BE MECHANICALLY COMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.
13. ALL MANHOLES, CATCH BASINS, INLETS, VALVES BOXES, ETC WITHIN THE PROJECT AREA SHALL BE RESET AND ADJUSTED TO MATCH FINISH GRADE.
14. ALL EXCAVATED OR STRIPPED MATERIALS NOT BEING REPLACED IN UTILITY TRENCHES OR BEING USED FOR FILL SHALL BE REMOVED FROM THE SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
15. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING & FOUNDATION DETAILS AND ORIENTATION.
16. ALL ON-SITE CONCRETE CURB AND GUTTER TO BE 18" WIDE VERTICAL FACE, UNLESS OTHERWISE NOTED. REVERSE OR REGULAR STYLE CURB DENOTED ON PLANS.
17. ALL CURB ELEVATIONS ARE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. SEE CURB DETAIL FOR TOP OF CURB ELEVATIONS.
18. ALL CURB RADII ARE MEASURED TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
19. CONTRACTOR SHALL MATCH PROPOSED CONCRETE CURB AND GUTTER, SIDEWALK AND PAVEMENT TO EXISTING IN ELEVATION AND ALIGNMENT.
20. REMOVAL OF CURB AND GUTTER, SIDEWALK AND PAVEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE WISCONSIN D.O.T.
21. ALL CONCRETE FOR CURB AND GUTTER, ROADWAY AND SIDEWALKS MUST CONFORM TO THE STANDARD SPECIFICATIONS FOR READY MIXED CONCRETE. MINIMUM 28 DAY COMPRESSIVE STRENGTH TEST MUST EQUAL 4000 PSI.
22. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL PROPERTY CORNERS.
23. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING UTILITIES OR SITE IMPROVEMENTS. CONTRACTOR SHALL DOCUMENT ALL EXISTING DAMAGE PRIOR TO START OF CONSTRUCTION AND NOTIFY CONSTRUCTION MANAGER OF ANY FINDINGS.
24. PROJECT SAFETY ON-SITE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
25. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING SOIL CONDITIONS. CONSTRUCTION MANAGER MAY HAVE SOILS REPORT FOR MORE INFO.
26. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH A SET OF MARKED UP PLANS (AS-BUILTS) SHOWING ANY CHANGES DURING CONSTRUCTION.

CIVIL SHEET INDEX:

C1.10 PROJECT LOCATION & GENERAL NOTES
C1.11 SITE PLAN - DETAILED WEST
C1.12 SITE PLAN - DETAILED EAST
C1.20 GRADING PLAN - WEST
C1.21 GRADING PLAN - EAST
C1.30 EROSION CONTROL PLAN
C1.40 DEMO PLAN
C1.50 EXISTING SURVEY
C5.00 CONSTRUCTION DETAILS

DIGGER'S HOTLINE — TICKET NO. 20192018 — 1-800-242-8511

IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THESE DRAWINGS, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.

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Harwood Engineering Consultants
255 North 21st Street, Milwaukee, WI 53233

Project:
St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:
PROJECT LOCATION & GENERAL NOTES

Phase:
Plan Commission Submittal

Scale:
SCALE: 1" = 100'

North

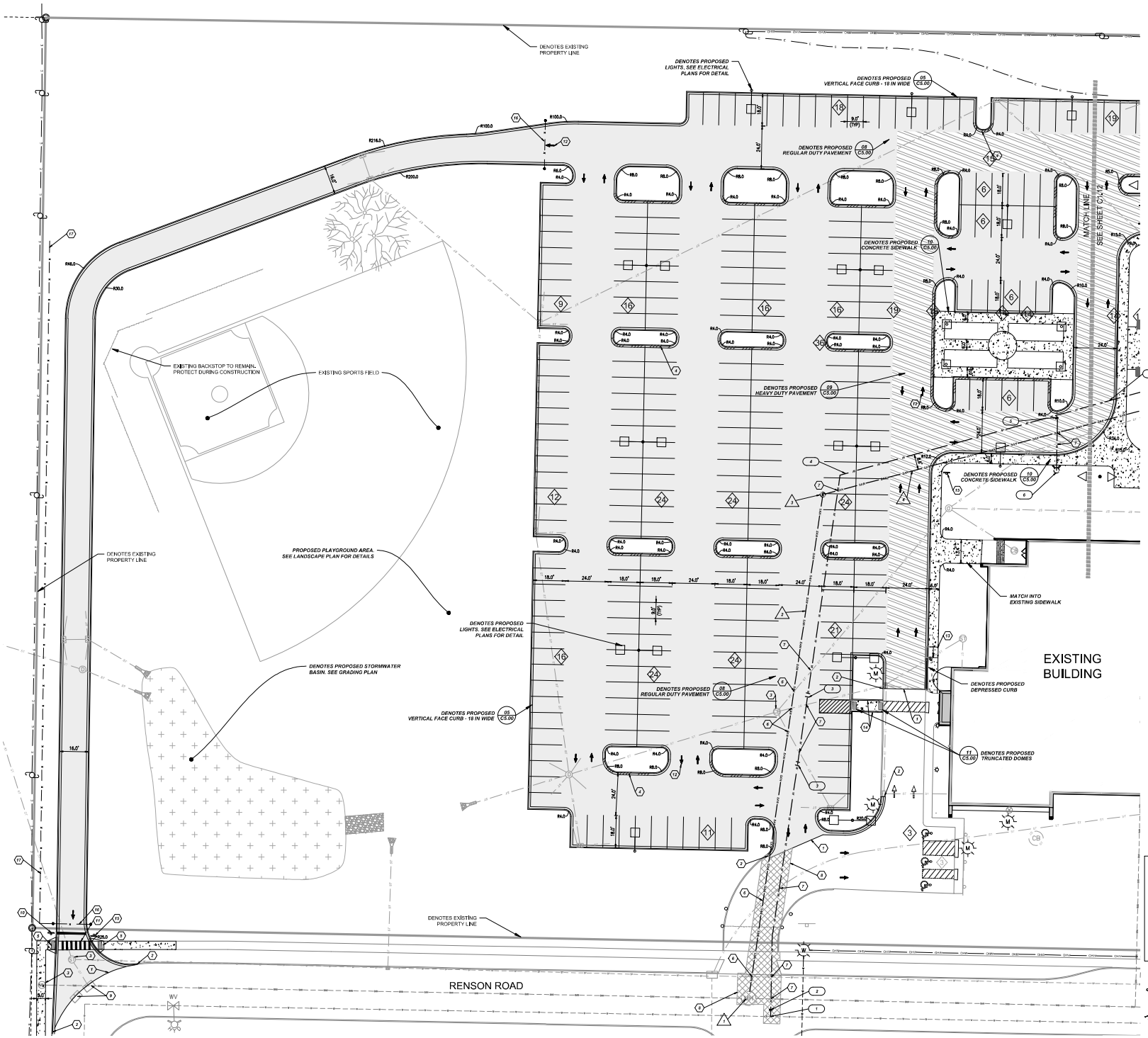
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No.	Date:	Description:
	01-27-2020	Village Resubmittal

Date:
01.15.20

Project No:
16-0088.01

Sheet No:
C1.10



UTILITY TAGS

SANITARY

1. EXISTING MANHOLE RIM = 934.20 8" E.W.= 925.14 8" N = 925.64 (PROPOSED) (CORE NEW HOLE)
2. DENOTES PROPOSED 281 L.F. 8" PVC SANITARY SEWER @ S=0.54%
3. PROPOSED SANITARY MANHOLE RIM = 935.90 8" NE PVC INV = 927.27 8" SW PVC INV = 927.17
4. DENOTES PROPOSED 206 L.F. 8" PVC SANITARY SEWER @ S=0.95%

WATER

1. CONNECT TO EXISTING WATERMAIN PER CITY REQUIREMENTS
2. 8" G.V. W/ BOX (MATCH FINISHED GRADE)
3. CONTRACTOR TO INSTALL 4 VERTICAL 45° BENDS TO MAINTAIN A MINIMUM OF 18" VERTICAL SEPARATION BETWEEN SEWER AND WATERMAIN.
4. PROPOSED 417 L.F. 8" PVC WATERMAIN
5. PROPOSED 8" x 8" HYDRANT TEE AND AUX VALVE (W/ BOX), 31 L.F. 6" PVC HYDRANT LEAD.
6. PROPOSED HYDRANT, BURY ELEV. = 938.90
7. PROPOSED 71 L.F. 8" PVC WATERMAIN

NOTES

1. SAWCUT EXISTING PAVEMENT (FULL DEPTH) AND CREATE BUTT JOINT WHERE PROPOSED MEETS EXISTING
2. MATCH INTO EXISTING CURB AND GUTTER
3. ADJUST EXISTING STRUCTURE TO MATCH PROPOSED GRADE
4. DENOTES PROPOSED REVERSE STYLE CURB
5. DENOTES PROPOSED ADA RAMP TYPE 4, 5 L.F. DEPRESSED CURB WITH 2' TAPERS ON EACH SIDE AND TRUNCATED DOMES (SEE DETAIL)
6. CAUTION! UTILITIES, VERIFY EXACT LOCATION PRIOR TO STARTING CONSTRUCTION.
7. CAUTION! UTILITY CROSSING, VERIFY EXACT LOCATION AND ELEVATION PRIOR TO STARTING CONSTRUCTION. MAINTAIN A MINIMUM OF 18" VERTICAL SEPARATION BETWEEN SEWER AND WATERMAIN.
8. REMOVE AND REPLACE EXISTING PAVEMENT AND CURB AS REQUIRED TO INSTALL PROPOSED WATER AND SANITARY. MATCH EXISTING PAVEMENT SECTIONS, SLURRY BACKFILL WITHIN THE ROW.
9. REMOVE AND REPLACE EXISTING CURB STYLE CATCH BASIN GRATE WITH NEW FLAT VILLAGE STYLE STANDARD GRATE
10. DENOTES PROPOSED STOP SIGN AND PAINTED 12" WIDE STOP BAR.
11. DENOTES PROPOSED CROSSWALK W/ PAINTED LINES.
12. DENOTES PROPOSED PAVEMENT MARKING DIRECTIONAL ARROWS, (VERIFY WITH OWNER PRIOR TO MARKING)
13. DENOTES PROPOSED CURB RAMP, 6" CURB TAPER, 8% MAX RUNNING SLOPE, 1.5% MAX CROSS SLOPE.
14. DENOTES PROPOSED BARRIER STYLE CURB. (SEE DETAIL)
15. DENOTES PROPOSED "ONE WAY. DO NOT ENTER" SIGN
16. DENOTES PROPOSED GATE.
17. DENOTES PROPOSED FENCE. SEE LANDSCAPE PLANS FOR DETAIL.

SITE CALCULATION TABLE

TOTAL SITE AREA	12.490 AC
TOTAL DISTURBED AREA	9.467 AC
EXISTING IMPERVIOUS AREA	4.858 AC
PROPOSED IMPERVIOUS AREA	6.126 AC
PROPOSED ADDITIONAL IMPERVIOUS	1.268 AC
EXISTING REGULAR PARKING SPACES	315
EXISTING HANDICAP PARKING	17
EXISTING TOTAL PARKING	332
PROPOSED REGULAR PARKING SPACES	372
PROPOSED HANDICAP PARKING	11
PROPOSED TOTAL PARKING	383

HATCH LEGEND

- PROPOSED CONCRETE SIDEWALK
- PROPOSED REGULAR DUTY ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED DEPRESSED CURB
- PROPOSED TAPER CURB
- PROPOSED REVERSE CURB

DIGGER'S HOTLINE TICKET NUMBER REQUIRED BEFORE YOU DIG 1-800-242-8511

IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THESE DRAWINGS, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.

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St. Charles Church Addition

Location:
526 Renson Road,
Harland, WI 53029

Key Plan:



Sheet:
SITE PLAN - DETAILED WEST

Phase:
Plan Commission Submittal

Scale:
SCALE: 1" = 20'

North

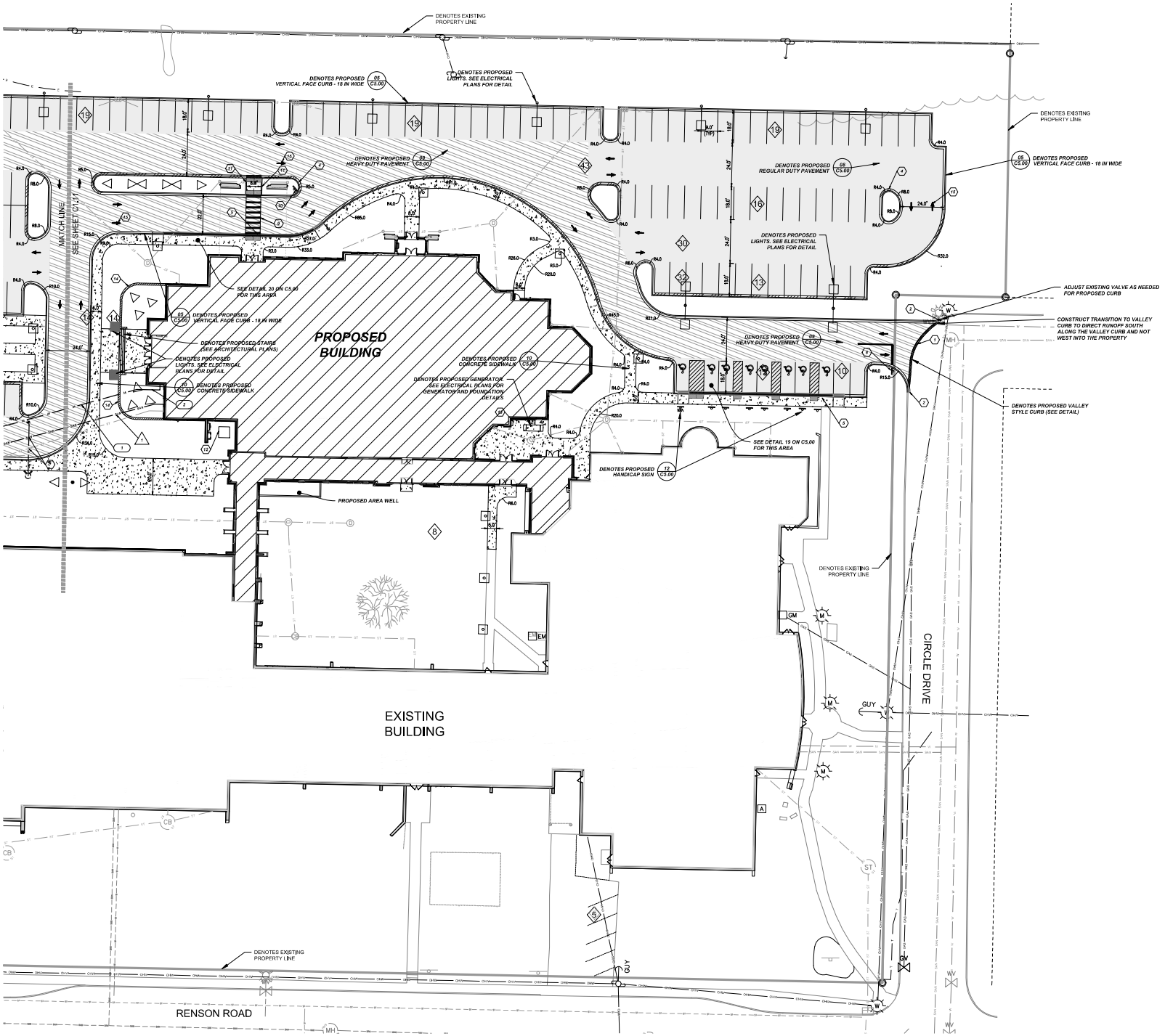
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01.15.20

Project No:
16-0088.01

Sheet No:
C1.11



UTILITY TAGS

SANITARY

1. DENOTES PROPOSED 206 L.F. 8" PVC SANITARY SEWER @ S=0.00%. PROPOSED SANITARY SEWER CONNECTION, 8" INV @ BLD = 925.24. SEE PLUMBING PLANS FOR CONNECTION TO BUILDING.

WATER

1. PROPOSED 71 L.F. 8" PVC WATERMAIN
2. PROPOSED WATERMAIN CONNECTION. SEE PLUMBING PLANS FOR CONNECTION TO BUILDING

NOTES

1. SAWCUT EXISTING PAVEMENT (FULL DEPTH) AND CREATE BUTT JOINT WHERE PROPOSED MEETS EXISTING
2. MATCH INTO EXISTING CURB AND GUTTER
3. ADJUST EXISTING STRUCTURE TO MATCH PROPOSED GRADE
4. DENOTES PROPOSED REVERSE STYLE CURB
5. DENOTES PROPOSED DEPRESSED CURB W/ 6' CURB TAPER ON BOTH SIDES (SEE DETAIL).
6. CAUTION! UTILITIES. VERIFY EXACT LOCATION PRIOR TO STARTING CONSTRUCTION.
7. CAUTION! UTILITY CROSSING. VERIFY EXACT LOCATION AND ELEVATION PRIOR TO STARTING CONSTRUCTION. MAINTAIN A MINIMUM OF 18" VERTICAL SEPARATION BETWEEN SEWER AND WATERMAIN.
8. DENOTES PROPOSED STOP SIGN AND PAINTED 12" WIDE STOP BAR.
9. DENOTES PROPOSED CROSSWALK W/ PAINTED LINES.
10. DENOTES PROPOSED "ONE WAY, DO NOT ENTER" SIGN
11. DENOTES PROPOSED BARRIER STYLE CURB, (SEE DETAIL)
12. DENOTES PROPOSED TRANSFORMER LOCATION. CONTRACTOR TO COORDINATE EXACT LOCATION AND SERVICE ROUTE WITH UTILITY COMPANY.
13. DENOTES PROPOSED GAS METER, (SEE MECHANICAL PLANS) CONTRACTOR TO COORDINATE SERVICE ROUTE TO METER WITH UTILITY COMPANY.
14. DENOTES PROPOSED RETAINING WALLS, (SEE LANDSCAPE PLANS)
15. DENOTES PROPOSED PAVEMENT MARKING DIRECTIONAL ARROWS, VERIFY WITH OWNER PRIOR TO MARKING.

HATCH LEGEND

- PROPOSED CONCRETE SIDEWALK
- PROPOSED REGULAR DUTY ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED DEPRESSED CURB
- PROPOSED TAPER CURB
- PROPOSED REVERSE CURB

DIGGER'S HOTLINE TICKET NUMBER REQUIRED 1-800-242-8511

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Project:

St. Charles Church Addition

Location:
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Harland, WI 53029

Key Plan:



Sheet:

SITE PLAN - DETAILED EAST

Phase:

Plan Commission Submittal

Scale:

SCALE: 1" = 20'

North

Revisions:

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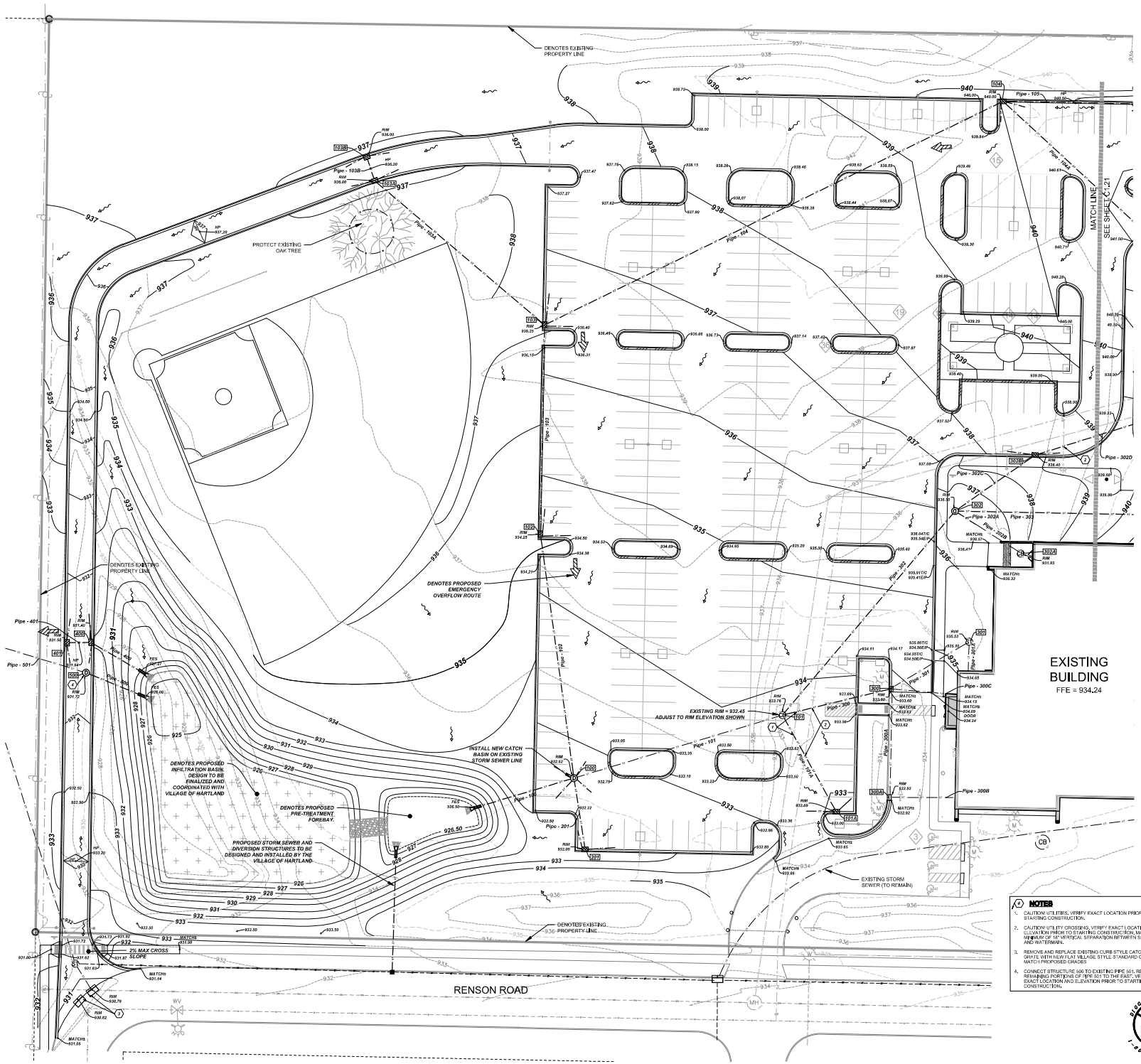
01.15.20

Project No:

16-0088.01

Sheet No:

C1.12



Storm Structure Table			
#	Structure Details	#	Structure Details
100	CATCH BASIN (5' DIA) W/ WEEP PIPES RIM = 932.62 Pipe - 101 = 927.37 Pipe - 201 = 927.37 Pipe - 102 = 927.37 Pipe - 106 = 927.37	110	CATCH BASIN (5' DIA) RIM = 944.32 Pipe - 111 = 939.08 Pipe - 119A = 938.28 Pipe - 112 = 939.08 Pipe - 113 = 939.08 Pipe - 113 = 939.28
101A	CATCH BASIN - CURB W/ WEEP PIPES RIM = 932.28 Pipe - 101A = 926.53	111	CATCH BASIN (3' DIA) RIM = 944.26 Pipe - 111A = 939.51 Pipe - 111 = 939.51
101	EXISTING CATCH BASIN RIM = 933.76 Pipe - 300 = 927.71 Pipe - 101A = 927.71 Pipe - 101 = 927.71	201	CATCH BASIN - CURB W/ WEEP PIPES RIM = 932.26 Pipe - 201 = 927.77
102	CATCH BASIN - CURB W/ WEEP PIPES RIM = 934.25 Pipe - 103 = 928.75 Pipe - 102 = 928.75	300A	EXISTING CATCH BASIN - CURB RIM = 932.50 Pipe - 300B = 929.87 Pipe - 300A = 929.87
103B	CATCH BASIN - CURB W/ WEEP PIPES RIM = 936.00 Pipe - 103B = 931.20	300	EXISTING CATCH BASIN - CURB RIM = 933.00 Pipe - 301 = 928.30 Pipe - 300A = 927.90 Pipe - 300C = 928.20 Pipe - 300 = 927.90
103A	CATCH BASIN - CURB W/ WEEP PIPES RIM = 936.00 Pipe - 103B = 931.16 Pipe - 103A = 931.16	301	EXISTING CATCH BASIN RIM = 935.53 Pipe - 301A = 928.78 Pipe - 301 = 928.93
103	CATCH BASIN - CURB (5' DIA) W/ WEEP PIPES RIM = 936.25 Pipe - 104 = 929.92 Pipe - 103A = 929.92 Pipe - 103 = 929.92	302A	EXISTING CATCH BASIN RIM = 931.03 Pipe - 302B = 930.41
104	CATCH BASIN - CURB (5' DIA) W/ WEEP PIPES RIM = 940.00 Pipe - 105 = 932.77 Pipe - 104A = 936.20 Pipe - 104 = 932.77	302	CATCH BASIN (3' DIA) RIM = 935.00 Pipe - 303 = 929.46 Pipe - 302A = 929.15 Pipe - 302C = 932.45 Pipe - 302 = 928.46
104A	CATCH BASIN (3' DIA) W/ NEENAH R-2560-C2 RIM = 941.20 Pipe - 104B = 937.35 Pipe - 104D = 937.35 Pipe - 104A = 937.35	302B	CATCH BASIN - CURB W/ WEEP PIPES RIM = 935.40 Pipe - 302D = 933.00 Pipe - 302C = 933.20
105	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940.00 Pipe - 106 = 933.60 Pipe - 105 = 933.60	303	CATCH BASIN (3' DIA) RIM = 938.52 Pipe - 303A = 929.45 Pipe - 303 = 929.47
106	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940.60 Pipe - 107 = 934.07 Pipe - 106 = 934.07	303A	CATCH BASIN (3' DIA) RIM = 941.50 Pipe - 303A = 937.24
107	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940.21 Pipe - 108 = 936.23 Pipe - 107A = 936.23 Pipe - 107 = 936.23	304	EXISTING CATCH BASIN RIM = 935.34 Pipe - 304A = 929.99 Pipe - 304B = 930.27 Pipe - 304 = 929.84
107A	CATCH BASIN (3' DIA) W/ NEENAH R-2560-C2 RIM = 941.20 Pipe - 107C = 937.08 Pipe - 107B = 937.08 Pipe - 107A = 937.08	400	CATCH BASIN - CURB W/ WEEP PIPES RIM = 931.40 Pipe - 401 = 927.62 Pipe - 400 = 927.62
108	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940.21 Pipe - 108 = 936.27 Pipe - 108 = 936.27	401	CATCH BASIN - CURB W/ WEEP PIPES RIM = 931.20 Pipe - 401 = 927.75
109	CATCH BASIN - CURB W/ WEEP PIPES RIM = 941.37 Pipe - 110 = 937.25 Pipe - 109A = 936.25 Pipe - 109 = 937.05	500	OUTLET CONTROL STRUCTURE SEE DETAIL RIM = 931.72 Pipe - 500 = 929.00 Pipe - 501 = 929.00

Storm Pipe Table					
Pipe Name	Size	Material	Length	Slope	Description
Pipe - 100	24	HDPE	56	1.49%	W RCP FES
Pipe - 101	24	PVC	122	0.28%	EXISTING PIPE
Pipe - 101A	12	PVC	62	1.00%	
Pipe - 102	18	PVC	138	1.00%	
Pipe - 103	18	PVC	117	1.00%	
Pipe - 103A	12	PVC	125	1.00%	
Pipe - 103B	12	PVC	14	1.00%	
Pipe - 104	18	PVC	255	1.00%	
Pipe - 104A	12	PVC	135	1.00%	
Pipe - 104B	6	PVC	60	1.00%	DOWNSPOUT CONNECTION
Pipe - 104C	6	PVC	37	1.00%	DOWNSPOUT CONNECTION
Pipe - 104D	6	PVC	19	1.00%	
Pipe - 105	18	PVC	63	1.00%	
Pipe - 106	18	PVC	97	1.00%	
Pipe - 107	18	PVC	165	1.00%	
Pipe - 107A	10	PVC	85	1.00%	
Pipe - 107B	8	PVC	56	1.00%	DOWNSPOUT CONNECTION
Pipe - 107C	8	PVC	30	1.00%	DOWNSPOUT CONNECTION
Pipe - 107D	8	PVC	31	1.00%	DOWNSPOUT CONNECTION
Pipe - 107E	8	PVC	24	1.00%	
Pipe - 108	15	PVC	15	1.00%	
Pipe - 109	12	PVC	121	1.00%	
Pipe - 109A	8	PVC	35	1.00%	DOWNSPOUT CONNECTION
Pipe - 110	12	PVC	50	1.00%	
Pipe - 110A	8	PVC	34	1.00%	DOWNSPOUT CONNECTION
Pipe - 111	8	PVC	63	1.00%	
Pipe - 111A	8	PVC	21	1.00%	DOWNSPOUT CONNECTION
Pipe - 112	8	PVC	27	1.00%	DOWNSPOUT CONNECTION
Pipe - 113	8	PVC	90	1.00%	
Pipe - 201	18	PVC	40	1.00%	
Pipe - 300	15	PVC	63	0.14%	
Pipe - 300A	12	PVC	61	1.59%	EXISTING PIPE
Pipe - 300B	10	PVC	35	1.00%	EXISTING PIPE
Pipe - 300C	8	PVC	36	1.00%	EXISTING PIPE
Pipe - 301	12	PVC	50	0.26%	EXISTING PIPE
Pipe - 301A	8	HDPE	17	1.00%	EXISTING PIPE
Pipe - 302	15	PVC	169	0.50%	
Pipe - 302A	8	PVC	14	2.87%	
Pipe - 302B	8	PVC	30	2.87%	EXISTING PIPE
Pipe - 302C	12	PVC	56	1.00%	
Pipe - 302D	8	PVC	86	1.00%	
Pipe - 303	12	PVC	203	0.50%	
Pipe - 303A	8	PVC	34	1.00%	
Pipe - 303B	10	PVC	8	0.56%	
Pipe - 304	10	PVC	55	0.56%	EXISTING PIPE
Pipe - 304A	8	PVC	65	1.00%	EXISTING PIPE
Pipe - 304B	6	PVC	20	1.00%	EXISTING PIPE
Pipe - 400	12	HDPE	36	1.00%	W RCP FES
Pipe - 401	12	PVC	13	1.00%	
Pipe - 500	10	HDPE	36	0.00%	W RCP FES
Pipe - 501	15		55	0.07%	EXISTING PIPE

NOTES

1. CAUTION! UTILITIES. VERIFY EXACT LOCATION PRIOR TO STARTING CONSTRUCTION.
2. CAUTION! UTILITY CROSSING. VERIFY EXACT LOCATION AND ELEVATION PRIOR TO STARTING CONSTRUCTION. MAINTAIN A MINIMUM OF 18" VERTICAL SEPARATION BETWEEN SEWER AND WATERMAIN.
3. REMOVE AND REPLACE EXISTING CURB STYLE CATCH BASIN GRATE WITH NEW FLAT VILLAGE STYLE STANDARD GRATE. MATCH PROPOSED GRADES
4. CONNECT STRUCTURE 500 TO EXISTING PIPE 501. REMOVE REMAINING PORTIONS OF PIPE 501 TO THE EAST. VERIFY EXACT LOCATION AND ELEVATION PRIOR TO STARTING CONSTRUCTION.

DIGGER'S HOTLINE
TICKET NO. 20191 2019
1-800-242-8511

IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THESE DRAWINGS, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.

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Consultant:
Harwood Engineering Consultants
255 North 21st Street | Milwaukee, WI 53233
(414) 671-3300 | www.harwoodeng.com

Project:
St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:


Sheet:
GRADING PLAN - WEST

Phase:
Plan Commission Submittal

Scale:
SCALE: 1" = 20'

North

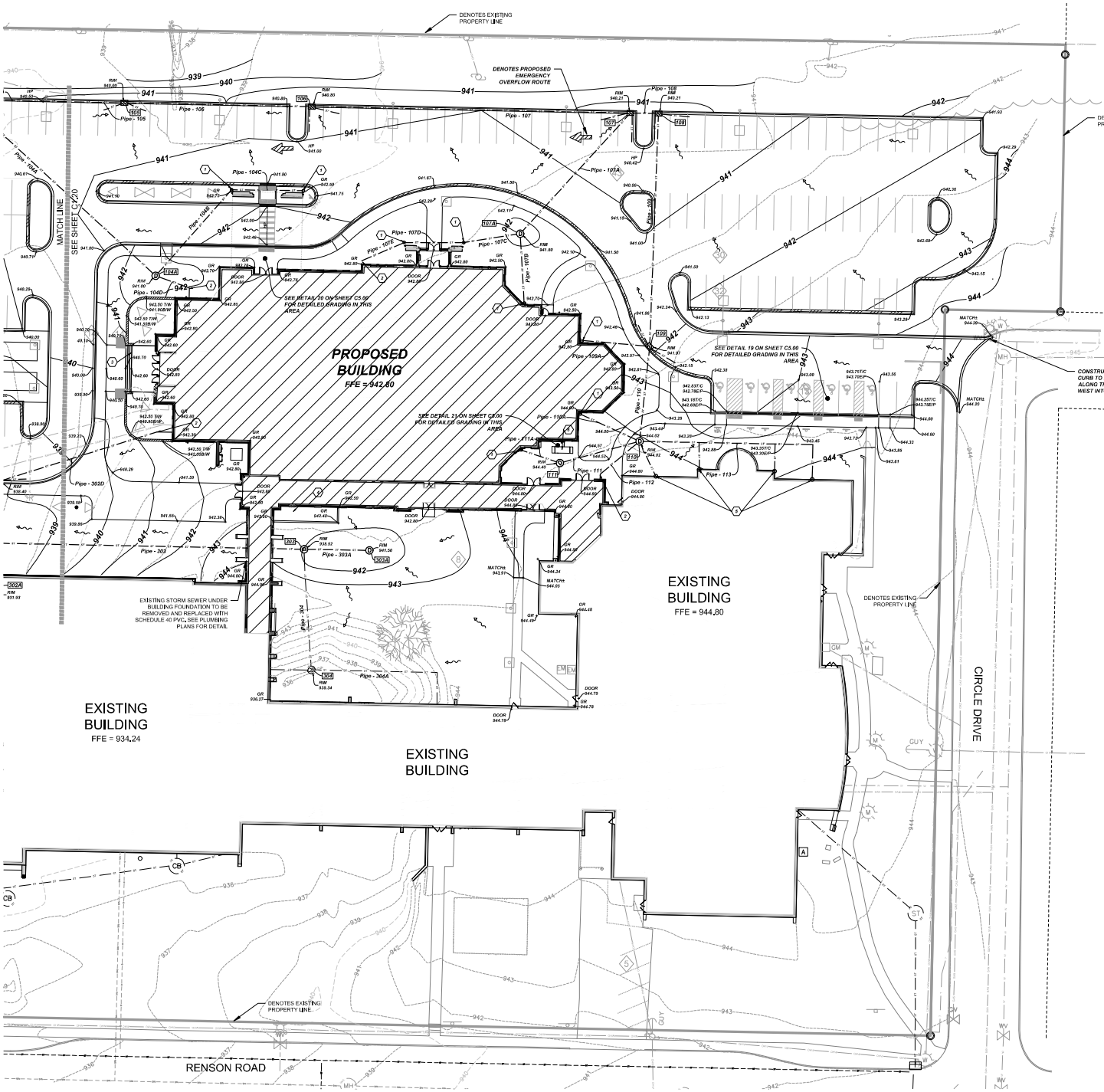
Revisions:

No	Date	Description
	01-27-2020	Village Resubmittal

Date:
01.15.20

Project No:
16-0088.01

Sheet No:
C1.20



Storm Structure Table			
#	Structure Details		
100	CATCH BASIN (9 DIA) W/ WEEP PIPES RIM = 942.60 Pipe - 101 = 927.27 Pipe - 201 = 927.27 Pipe - 102 = 927.27 Pipe - 105 = 927.27	110	CATCH BASIN (9 DIA) RIM = 944.22 Pipe - 111 = 939.08 Pipe - 110A = 939.08 Pipe - 112 = 939.08 Pipe - 113 = 939.08 Pipe - 110 = 939.08
101A	CATCH BASIN - CURB W/ WEEP PIPES RIM = 942.68 Pipe - 101A = 939.23	111	CATCH BASIN (9 DIA) RIM = 944.40 Pipe - 111A = 939.01 Pipe - 111 = 939.01
101	EXISTING CATCH BASIN RIM = 943.76 Pipe - 300 = 927.71 Pipe - 301A = 927.71 Pipe - 101 = 927.71	201	CATCH BASIN - CURB W/ WEEP PIPES RIM = 943.22 Pipe - 201 = 927.77
102	CATCH BASIN - CURB W/ WEEP PIPES RIM = 934.25 Pipe - 103 = 928.75 Pipe - 102 = 928.75	300A	EXISTING CATCH BASIN - CURB RIM = 952.92 Pipe - 300B = 928.67 Pipe - 300A = 928.67
103B	CATCH BASIN - CURB W/ WEEP PIPES RIM = 936.00 Pipe - 103B = 931.20	300	EXISTING CATCH BASIN - CURB RIM = 933.60 Pipe - 301 = 929.20 Pipe - 300A = 927.60 Pipe - 300C = 928.40 Pipe - 300 = 927.60
103A	CATCH BASIN - CURB W/ WEEP PIPES RIM = 936.00 Pipe - 103B = 931.16 Pipe - 103A = 931.16	301	EXISTING CATCH BASIN RIM = 939.23 Pipe - 301A = 928.78 Pipe - 301 = 928.43
103	CATCH BASIN - CURB (T DIA) W/ WEEP PIPES RIM = 936.25 Pipe - 104 = 928.69 Pipe - 103A = 928.62 Pipe - 103 = 928.62	302A	EXISTING CATCH BASIN RIM = 931.20 Pipe - 302B = 930.41
104	CATCH BASIN - CURB (T DIA) W/ WEEP PIPES RIM = 942.60 Pipe - 105 = 932.77 Pipe - 104A = 936.20 Pipe - 104 = 933.77	302	CATCH BASIN (9 DIA) RIM = 935.20 Pipe - 303 = 929.46 Pipe - 302A = 929.15 Pipe - 302C = 932.15 Pipe - 302 = 929.46
104A	CATCH BASIN (T DIA) W/ NEENAH R-2505-Q2 RIM = 941.20 Pipe - 104B = 937.25 Pipe - 104D = 937.25 Pipe - 104A = 937.25	302B	CATCH BASIN - CURB W/ WEEP PIPES RIM = 935.40 Pipe - 302D = 933.20 Pipe - 302C = 933.20
105	CATCH BASIN - CURB W/ WEEP PIPES RIM = 942.00 Pipe - 106 = 933.60 Pipe - 105 = 933.60	303	CATCH BASIN (9 DIA) RIM = 936.32 Pipe - 303B = 929.13 Pipe - 303A = 927.09 Pipe - 303 = 929.47
106	CATCH BASIN - CURB W/ WEEP PIPES RIM = 943.00 Pipe - 107 = 934.57 Pipe - 106 = 934.57	303A	CATCH BASIN (9 DIA) W/ NEENAH R-2505-Q2 RIM = 941.00 Pipe - 303A = 929.34
107	CATCH BASIN - CURB W/ WEEP PIPES RIM = 943.21 Pipe - 108 = 936.23 Pipe - 107A = 936.23 Pipe - 107 = 936.23	304	EXISTING CATCH BASIN RIM = 935.34 Pipe - 304A = 929.99 Pipe - 304B = 929.77 Pipe - 304 = 929.64
107A	CATCH BASIN (9 DIA) W/ NEENAH R-2505-Q2 RIM = 941.20 Pipe - 107C = 937.28 Pipe - 107B = 937.28 Pipe - 107A = 937.28	400	CATCH BASIN - CURB W/ WEEP PIPES RIM = 931.40 Pipe - 401 = 927.62 Pipe - 400 = 927.62
108	CATCH BASIN - CURB W/ WEEP PIPES RIM = 943.01 Pipe - 109 = 936.27 Pipe - 108 = 936.27	401	CATCH BASIN - CURB W/ WEEP PIPES RIM = 931.20 Pipe - 401 = 927.75
109	CATCH BASIN - CURB W/ WEEP PIPES RIM = 941.97 Pipe - 110 = 937.68 Pipe - 109A = 937.68 Pipe - 109 = 937.68	500	OUTLET CONTROL STRUCTURE (SEE DETAIL) RIM = 931.20 Pipe - 500 = 925.00 Pipe - 501 = 925.00

Storm Pipe Table					
Pipe Name	Size	Material	Length	Slope	Description
Pipe - 100	24	HDPE	58	1.45%	W/ RCP FES
Pipe - 101	24	PVC	122	0.28%	EXISTING PIPE
Pipe - 101A	12	PVC	62	1.00%	
Pipe - 102	18	PVC	138	1.00%	
Pipe - 103	18	PVC	117	1.00%	
Pipe - 103A	12	PVC	125	1.00%	
Pipe - 103B	12	PVC	14	1.00%	
Pipe - 104	18	PVC	285	1.00%	
Pipe - 104A	12	PVC	135	1.00%	
Pipe - 104B	6	PVC	60	1.00%	DOWNSPOUT CONNECTION
Pipe - 104C	6	PVC	37	1.00%	DOWNSPOUT CONNECTION
Pipe - 104D	6	PVC	19	1.00%	
Pipe - 105	18	PVC	83	1.00%	
Pipe - 106	18	PVC	97	1.00%	
Pipe - 107	18	PVC	165	1.00%	
Pipe - 107A	10	PVC	85	1.00%	
Pipe - 107B	6	PVC	36	1.00%	DOWNSPOUT CONNECTION
Pipe - 107C	8	PVC	30	1.00%	DOWNSPOUT CONNECTION
Pipe - 107D	8	PVC	31	1.00%	DOWNSPOUT CONNECTION
Pipe - 107E	8	PVC	24	1.00%	
Pipe - 108	15	PVC	15	1.00%	
Pipe - 109	12	PVC	121	1.00%	
Pipe - 109A	6	PVC	35	1.00%	DOWNSPOUT CONNECTION
Pipe - 110	12	PVC	60	1.00%	
Pipe - 110A	6	PVC	34	1.00%	DOWNSPOUT CONNECTION
Pipe - 111	8	PVC	40	1.00%	
Pipe - 111A	6	PVC	21	1.00%	DOWNSPOUT CONNECTION
Pipe - 112	6	PVC	27	1.00%	DOWNSPOUT CONNECTION
Pipe - 113	8	PVC	60	1.50%	
Pipe - 201	18	PVC	40	1.00%	
Pipe - 300	15	PVC	63	6.14%	
Pipe - 300A	12	PVC	61	1.59%	EXISTING PIPE
Pipe - 300B	10	PVC	35	1.00%	EXISTING PIPE
Pipe - 300C	6	PVC	36	1.00%	EXISTING PIPE
Pipe - 301	12	PVC	50	0.26%	EXISTING PIPE
Pipe - 301A	6	HDPE	17	1.00%	EXISTING PIPE
Pipe - 302	15	PVC	150	0.50%	
Pipe - 302A	8	PVC	14	2.87%	
Pipe - 302B	8	PVC	30	2.87%	EXISTING PIPE
Pipe - 302C	12	PVC	55	1.00%	
Pipe - 302D	6	PVC	85	1.00%	
Pipe - 303	12	PVC	203	0.59%	
Pipe - 303A	8	PVC	34	1.00%	
Pipe - 303B	10	PVC	9	0.89%	
Pipe - 304	10	PVC	55	0.66%	EXISTING PIPE
Pipe - 304A	8	PVC	65	1.00%	EXISTING PIPE
Pipe - 304B	6	PVC	20	1.00%	EXISTING PIPE
Pipe - 400	12	HDPE	95	1.00%	W/ RCP FES
Pipe - 401	12	PVC	13	1.00%	
Pipe - 500	15	HDPE	36	0.00%	W/ RCP FES
Pipe - 501	15		55	0.07%	EXISTING PIPE

NOTES

1. DENOTES PROPOSED DOWNSPOUT CONNECTION (SEE DETAIL). COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS PRIOR TO INSTALLATION OF STORM SEWER
2. DENOTES PROPOSED STORM SEWER CONNECTION. SEE PLUMBING PLANS FOR CONTINUATION INTO BUILDING.
3. DENOTES PROPOSED CAST IN PLACE STAIRS. SEE ARCHITECTURAL PLANS. FOUR RISERS.
4. DENOTES PROPOSED AREA WELL. SEE PLUMBING PLANS FOR BUILDING STORM SEWER AND AREA WELL DRAINS.
5. CONNECT EXISTING DOWNSPOUTS WITH 6" PVC TO PROPOSED 8" STORM SEWER. MINIMUM SLOPE OF 1.00% REQUIRED. (SEE DETAIL)
6. CONTRACTOR TO COORDINATE STORM SEWER AND GENERATOR LOCATION

DIGGER'S HOTLINE STOP. CALL BEFORE YOU DIG. 1-800-242-8511

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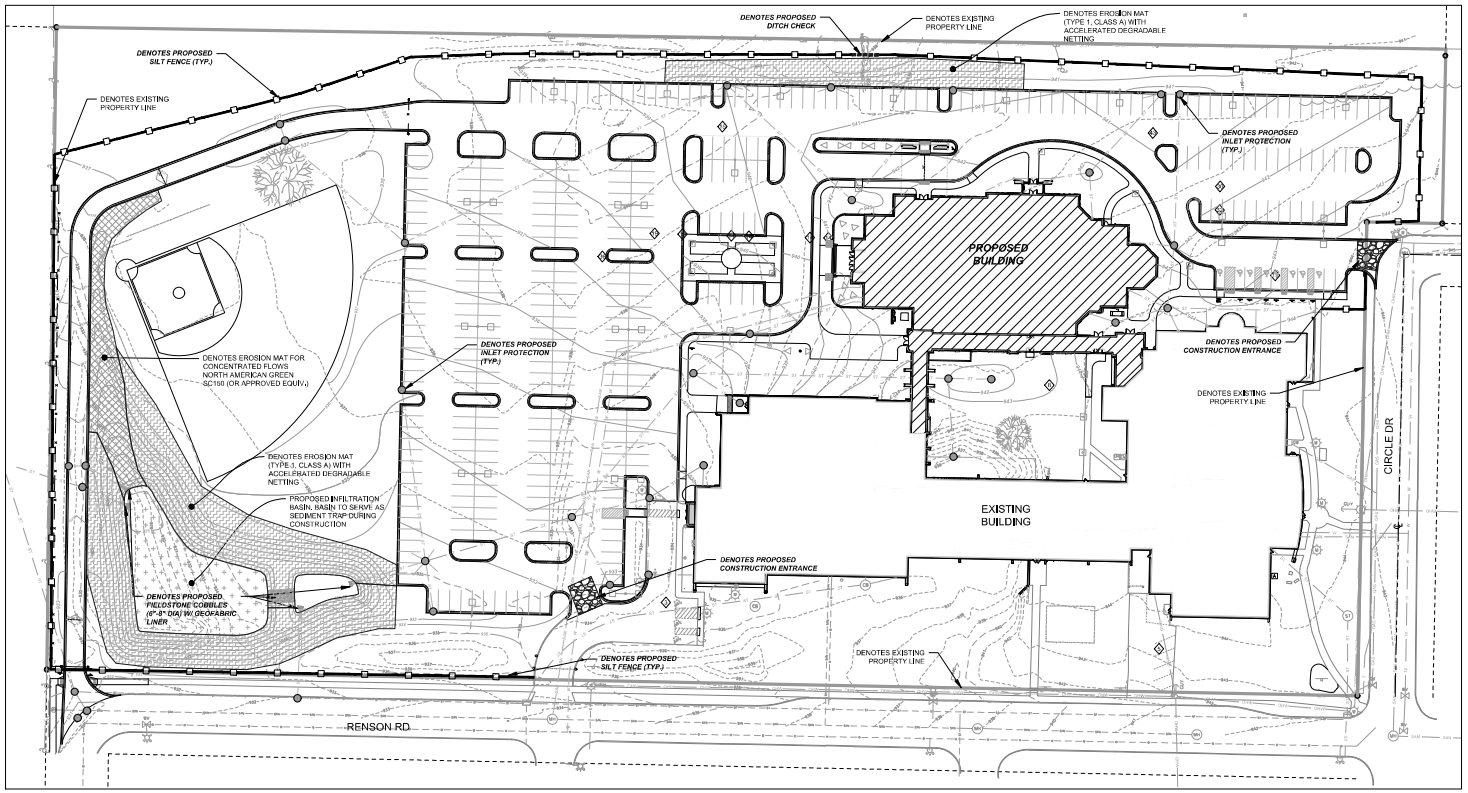
Revisions:

No	Date	Description
2	1-29-20	ADDENDUM #3
1	01-21-2020	Village Resubmittal

Date:
01.15.20

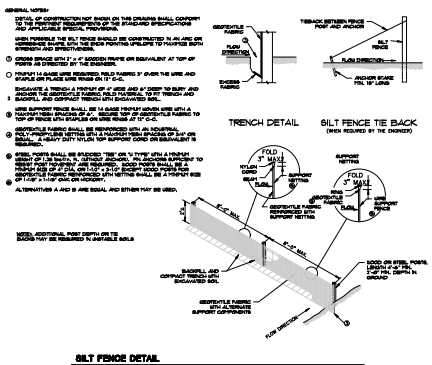
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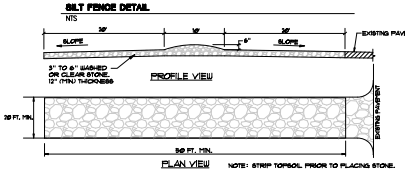
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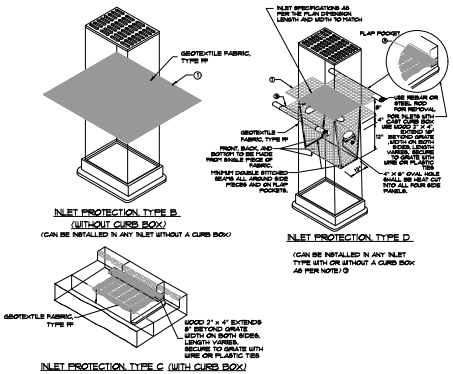


EROSION CONTROL NOTES AND PHASING

1. WDNR PERMIT COVERAGE IS REQUIRED. POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
3. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE ENGINEER AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
4. CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
5. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
6. WHEN POSSIBLE, PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
7. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
8. INSTALL PERIMETER EROSION CONTROLS, (IF REQUIRED) CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD FOR ROCK CONSTRUCTION ENTRANCE(S) (IF REQUIRED).
9. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
10. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
11. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE.
12. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NONERODIBLE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DEWATERING #1061.
13. COMPLETE AND STABILIZE SEDIMENT TRAPS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE. REFER TO NR 151, CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
14. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
15. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
16. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
17. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
18. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER.
    - BETWEEN SEPTEMBER 15 AND OCTOBER 15 STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE. AS APPROPRIATE FOR REGION AND SOIL TYPE.
    - OCTOBER 15 THROUGH COLD WEATHER, STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
19. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
20. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE WDNR/MUNICIPALITY. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
21. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
22. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
23. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES 4:1 OR GREATER (OR AS SHOWN ON THE PLANS), PROVIDE CLASS I TYPE TYPE A (WITH ACCELERATED DEGRADABLE NETTING) EROSION CONTROL MATTING. SELECT EROSION MATTING FROM WDOT'S PRODUCT ACCEPTABILITY LIST (PAL). INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
24. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS (OR AS SHOWN ON THE PLANS), PROVIDE NORTH AMERICAN GREEN SC150 (OR APPROVED EQUAL) EROSION CONTROL MATTING. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
25. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
26. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.) OR AS DIRECTED BY WDNR/MUNICIPALITY.
27. NOTICE OF TERMINATION: WHEN THE SITE HAS BEEN FULLY STABILIZED AND ALL STORMWATER DISCHARGES FROM THE SITE AUTHORIZED UNDER THE NOI PERMIT HAVE BEEN ELIMINATED, A NOTICE OF TERMINATION SHALL BE FILED WITH THE DNR. CONTRACTOR SHALL SUBMIT A COMPLETED NOTICE OF TERMINATION APPLICATION IN ACCORDANCE WITH THE PERMIT REQUIREMENTS TO THE SITE OWNER FOR EXECUTION PRIOR TO FINAL PAYMENT.







GENERAL NOTES:

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 18" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

FOR INLET PROTECTION, TYPE C WITH CURB BOX, AND ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

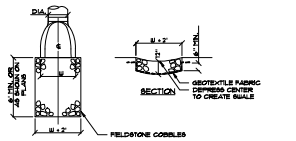
FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

INSTALLATION NOTES:

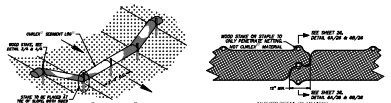
TYPES B & C:
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A DESIN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

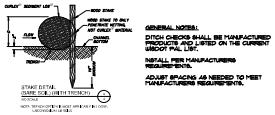
TYPE D:
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES OF 3", UNLESS NECESSARY THE CONTRACTOR SHALL CHAIN THE BAG USING A PLASTIC TIE TIED TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM 9" 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
NTS



FIELDSTONE COBBLES AT PIPE ENDWALL 105
NTS 11/19/10





GENERAL NOTES:
DITCH CHECKS SHALL BE MANUFACTURED PRODUCTS AND LISTED ON THE CURRENT WDOT PAL LIST.
INSTALL PER MANUFACTURERS REQUIREMENTS.
ADJUST SPACING AS NEEDED TO MEET MANUFACTURERS REQUIREMENTS.

DITCH CHECK
NTS

EROSION CONTROL LEGEND

- SILT FILTER FENCE
- CONSTRUCTION ENTRANCE
- EROSION MAT
- DITCH CHECK
- INLET SEDIMENT GUARD

DIGGER'S HOTLINE — TICKET NO. 3RD PIN — 1-800-242-8511

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SCALE: 1" = 40'

North

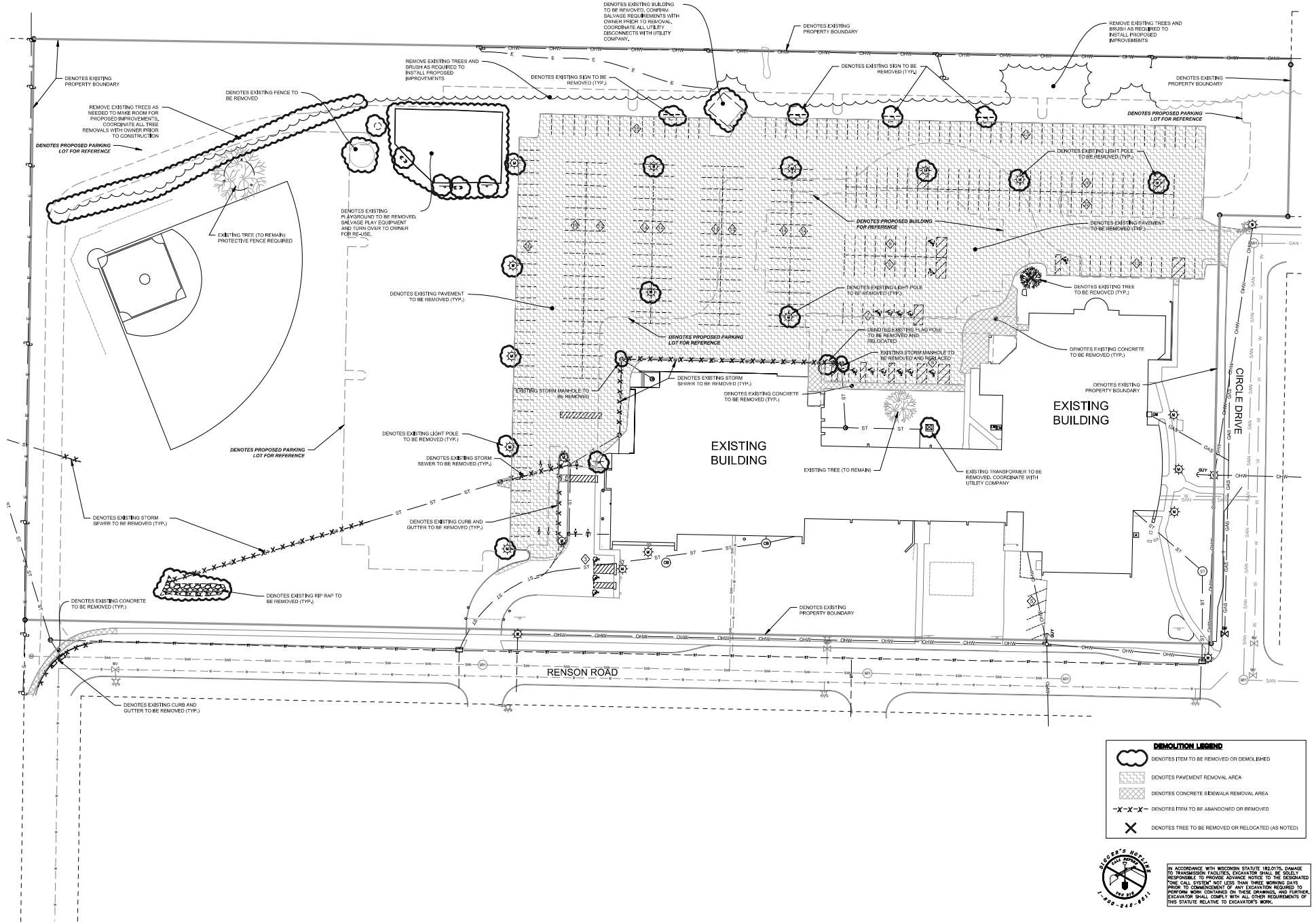
Revisions:

No	Date	Description
	01-27-2020	Village Resubmittal

Date:
01.15.20

Project No:
16-0088.01

Sheet No:
C1.30



DEMOLITION LEGEND

- DENOTES ITEM TO BE REMOVED OR DEMOLISHED
- DENOTES PAVEMENT REMOVAL AREA
- DENOTES CONCRETE SIDEWALK REMOVAL AREA
- DENOTES ITEM TO BE ABANDONED OR REMOVED
- DENOTES TREE TO BE REMOVED OR RELOCATED (AS NOTED)

DIGGER'S HOTLINE TEN BUSINESS DAYS BEFORE YOU DIG 1-800-242-8511

IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THESE DRAWINGS, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.

zimmerman
ARCHITECTURAL STUDIOS, INC.
2122 W. Mount Vernon Avenue | Milwaukee, WI 53233 | zastudios.com
TELEPHONE (414) 476.9500
FACSIMILE (414) 476.8582

Consultant:

Harwood Engineering Consultants
255 North 21st Street | Milwaukee, WI 53233
PHONE 414.259.1500 | www.hecinc.com

Project:

St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:

DEMO PLAN

Phase:

Plan Commission Submittal

Scale:
SCALE: 1" = 30'

North

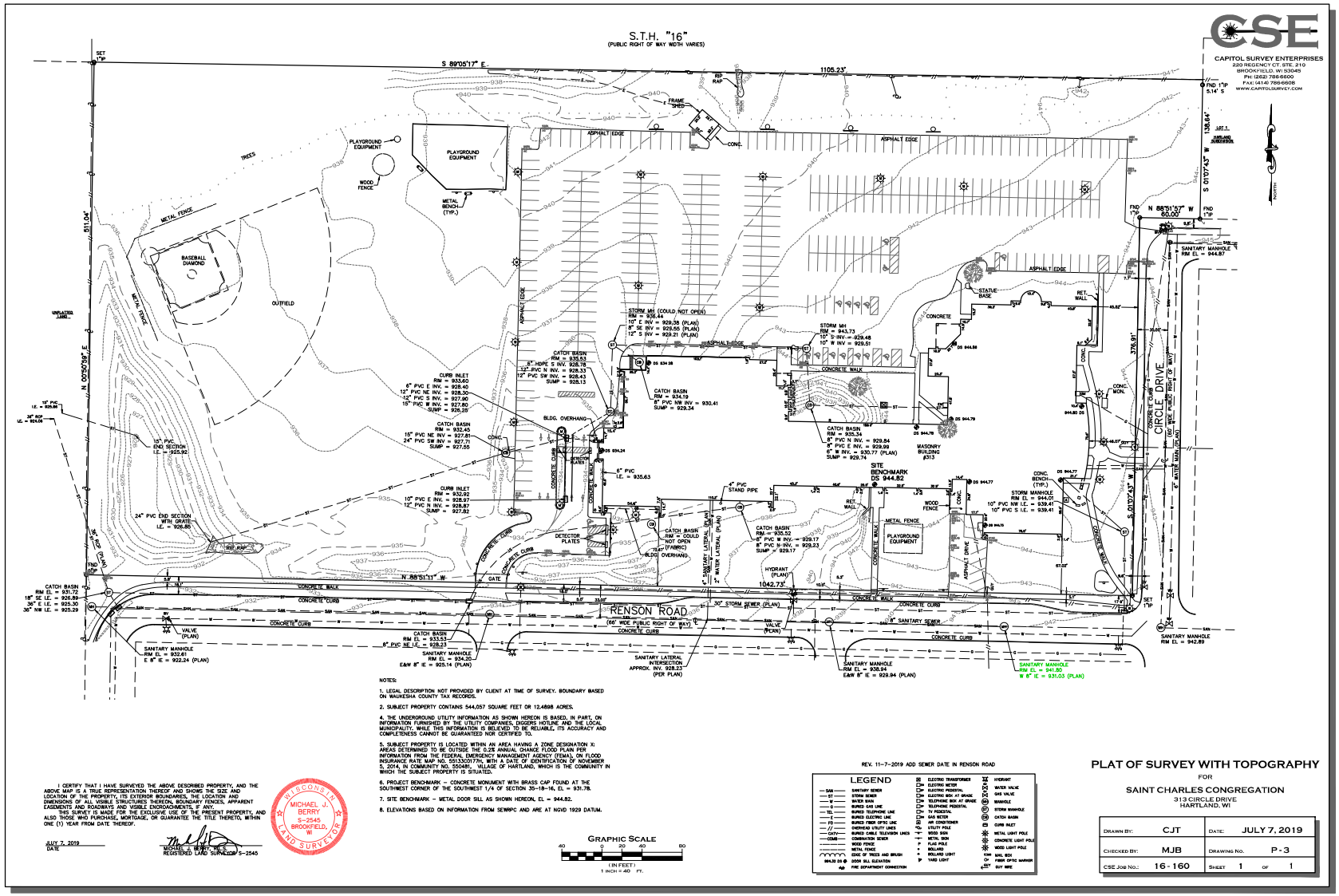
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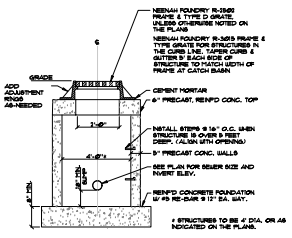
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Date:
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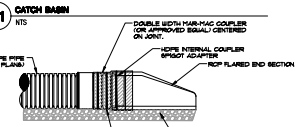
Project No:
16-0088.01

Sheet No:
C1.40

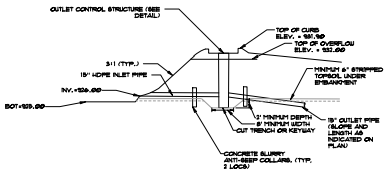

S.T.H. "16"
(PUBLIC RIGHT OF WAY WIDTH VARIES)
S 89°05'17" E
1105.23'
RENSON ROAD
(66' WIDE PUBLIC RIGHT OF WAY)
CIRCLE DRIVE
(66' WIDE PUBLIC RIGHT OF WAY)
N 88°51'57" W
60.00'
S 01°07'43" W
138.64'
N 00°50'39" E
511.04'
S 01°07'43" W
276.91'
N 88°51'11" W
1042.73'
SITE BENCHMARK
DS 944.82
PLAYGROUND EQUIPMENT
BASEBALL DIAMOND
OUTFIELD
METAL FENCE
WOOD FENCE
TREES
ASPHALT EDGE
CONCRETE
CONCRETE WALK
CONCRETE CURB
RET. WALL
STAIRS
MASONRY BUILDING #313
BLDG. OVERHANG
GATE
VALVE (PLAN)
HYDRANT (PLAN)
SANITARY MANHOLE
RIM EL = 944.87
SANITARY MANHOLE
RIM EL = 942.89
SANITARY MANHOLE
RIM EL = 941.86
W 8" IE = 931.03 (PLAN)
SANITARY MANHOLE
RIM EL = 938.04
E&W 8" IE = 929.94 (PLAN)
SANITARY LATERAL INTERSECTION
APPROX. INV. 928.23
(PER PLAN)
SANITARY MANHOLE
RIM EL = 934.20
E&W 8" IE = 925.14 (PLAN)
SANITARY MANHOLE
RIM EL = 932.61
E 8" IE = 922.24 (PLAN)
CATCH BASIN
RIM EL = 931.72
18" SE I.E. = 926.82
36" E I.E. = 925.30
36" NW I.E. = 925.29
CATCH BASIN
RIM EL = 933.53
8" PVC NE I.E. = 928.23
STORM MH (COULD NOT OPEN)
RIM = 935.44
10" E INV. = 929.58 (PLAN)
8" SE INV. = 929.55 (PLAN)
12" S INV. = 929.21 (PLAN)
STORM MH
RIM = 943.73
10" S INV. = 929.48
10" W INV. = 929.63
CATCH BASIN
RIM = 935.63
6" HDPE S INV. = 928.78
12" PVC N INV. = 928.33
12" PVC SW INV. = 928.43
SUMP = 928.13
CURB INLET
RIM = 933.60
6" PVC E INV. = 928.40
12" PVC NE INV. = 928.30
12" PVC S INV. = 927.90
15" PVC W INV. = 927.80
SUMP = 928.20
CATCH BASIN
RIM = 932.45
15" PVC NE INV = 927.81
24" PVC SW INV = 927.71
SUMP = 927.55
CURB INLET
RIM = 932.92
10" PVC E INV. = 928.97
12" PVC N INV. = 928.87
SUMP = 927.82
CATCH BASIN
RIM = 934.19
8" PVC NW INV = 930.41
SUMP = 929.34
CATCH BASIN
RIM = 935.14
8" PVC N INV. = 929.84
8" PVC E INV. = 929.99
8" W INV. = 930.77 (PLAN)
SUMP = 929.74
CATCH BASIN
RIM = COULD NOT OPEN (FABRIC)
CATCH BASIN
RIM = 935.52
8" PVC W INV. = 929.17
8" PVC N INV. = 929.33
SUMP = 928.17
STORM MANHOLE
RIM EL = 944.01
10" PVC NW I.E. = 939.41
10" PVC S I.E. = 939.41
CONC. BENCH (TYP.)
DS 944.77
DS 944.79
DS 944.86
DS 944.88
DS 944.77
DS 934.38
DS 934.24
DS 934.78
DS 944.79
DS 944.78
DS 944.75
DS 944.77
DS 944.77
DS 944.77



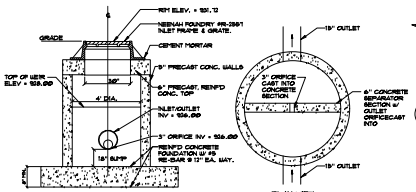
01 CATCH BASIN
NTS



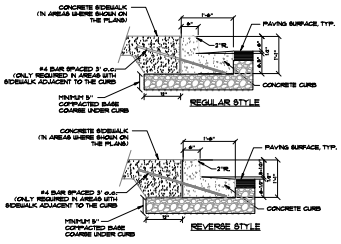
02 RCP FLARED END SECTION
NTS



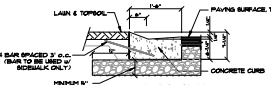
03 INFILTRATION BASIN DETAIL
NTS

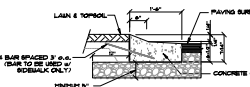


04 OUTLET CONTROL STRUCTURE
NTS



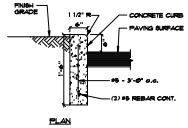
05 VERTICAL FACE CURB - 18 IN WIDE
NTS



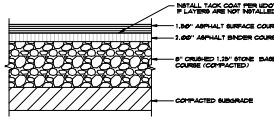


NOTE:
* REVERSE STYLE CURB LOCATIONS ARE NOTED ON THE PLANS.

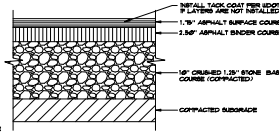
06 DEPRESSED CURB - 18 IN WIDE
NTS



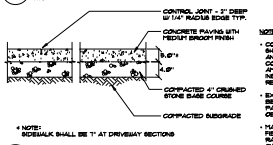
07 BARRIER CURB
NTS



08 REGULAR DUTY PAVEMENT
NTS



09 HEAVY DUTY PAVEMENT
NTS



NOTES:
* CONTROL JOINT SPACING SHALL BE A MAXIMUM OF 9' AND CONSTRUCTED IN CONFORMANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) RECOMMENDATIONS.
* EXPANSION JOINTS SHOULD BE PROVIDED WHERE PAVEMENT ABUTS FIXED OBJECTS.
* MATRIX SI ELEMO FIBER TO BE ADDED AT A RATE OF 1.5 POUNDS PER CUBIC YARD.

* NOTE: SIDEWALK SHALL BE 7" AT DRIVEWAY SECTIONS

10 CONCRETE SIDEWALK
NTS



DETECTABLE WARNING FIELD (TYPICAL)**

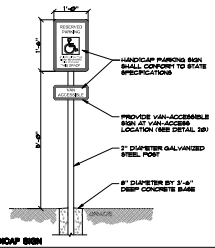
TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	1"	3"
D	0.9"	1.4"

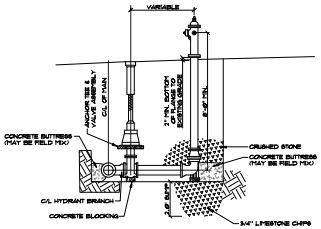
** DETECTABLE WARNING FIELDS TO BE NEENAH FOUNDRY DETECTABLE WARNING FIELDS (OR APPROVED EQUAL) UNPAINTED NATURAL COLOR AND FIELD WEATHERED PRIOR TO INSTALLATION (VERIFY COLOR W/ OWNER PRIOR TO INSTALLATION)

+ THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION

11 TRUNCATED DOMES
NTS



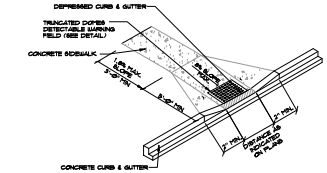
12 HANDICAP SIGN
NTS



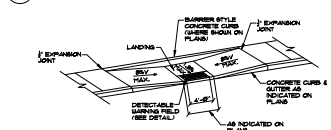
NOTE:
1) MEGALUG RESTRAINING GLANDS ON ALL MECHANICAL JOINTS. THE BOLTS & NUTS ARE TO BE HIGH STRENGTH LOW ALLOY STEEL (CORTEN) AS PER SECTION 11.6.5 OF A.W.W.A. C-111.

2) THE FOLLOWING HYDRANTS SHALL BE ALLOWED:
- MUELLER SUPER CENTURION 250 3-WAY FIRE HYDRANT
- U.S. PIPE METROPOLITAN/M-94 DUCTILE IRON PIPE HYDRANT
- WATEROUS 5 1/4" PACKER FIRE HYDRANT

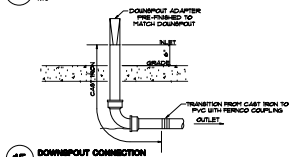
13 TYPICAL HYDRANT
NTS



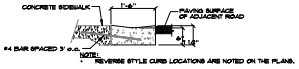
14 HANDICAP RAMP - TYPE 4
NTS



16 HANDICAP RAMP - TYPE 2
NTS

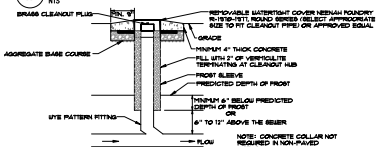


15 DOWNSPOUT CONNECTION
NTS

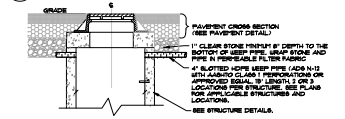


NOTE:
* REVERSE STYLE CURB LOCATIONS ARE NOTED ON THE PLANS.

17 VALLEY STYLE CURB
NTS

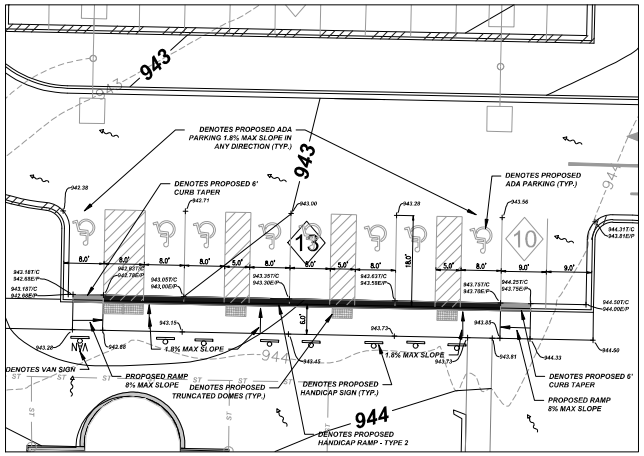


18 STORM CLEANOUT
NTS

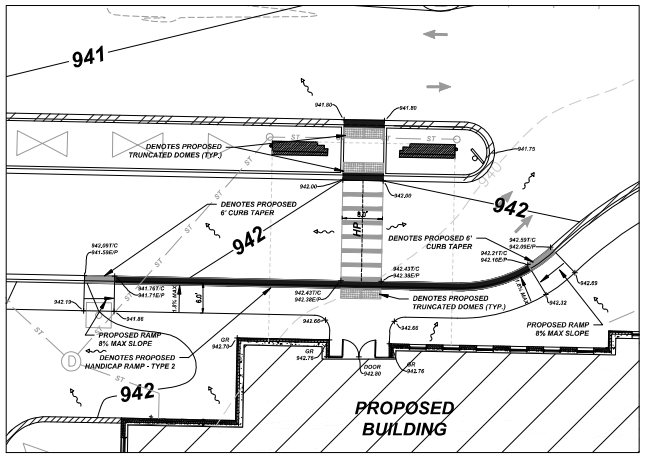


NOTE:
WEEP PIPES ARE ONLY REQUIRED WHERE INDICATED ON THE PLAN. STRUCTURES WITH NO WEEP PIPES SHOWN DO NOT REQUIRE THEM.

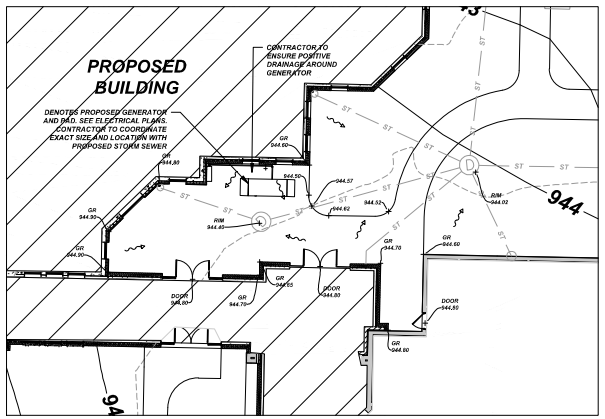
19 WEEP PIPE
NTS



20 HANDICAP PARKING DETAIL
SCALE: 1" = 10'



21 NORTH ENTRANCE DETAIL
SCALE: 1" = 10'



22 SOUTHEAST ENTRANCE DETAIL
SCALE: 1" = 10'

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Harwood Engineering Consultants
255 North 21st Street Milwaukee, WI 53233
PH:(414)propo www.hecon

Project:
St. Charles Church Addition

Location:
526 Renson Road,
Harland, WI 53029

Key Plan:



Sheet:
CONSTRUCTION DETAILS

Phase:
Plan Commission Submittal

Scale:

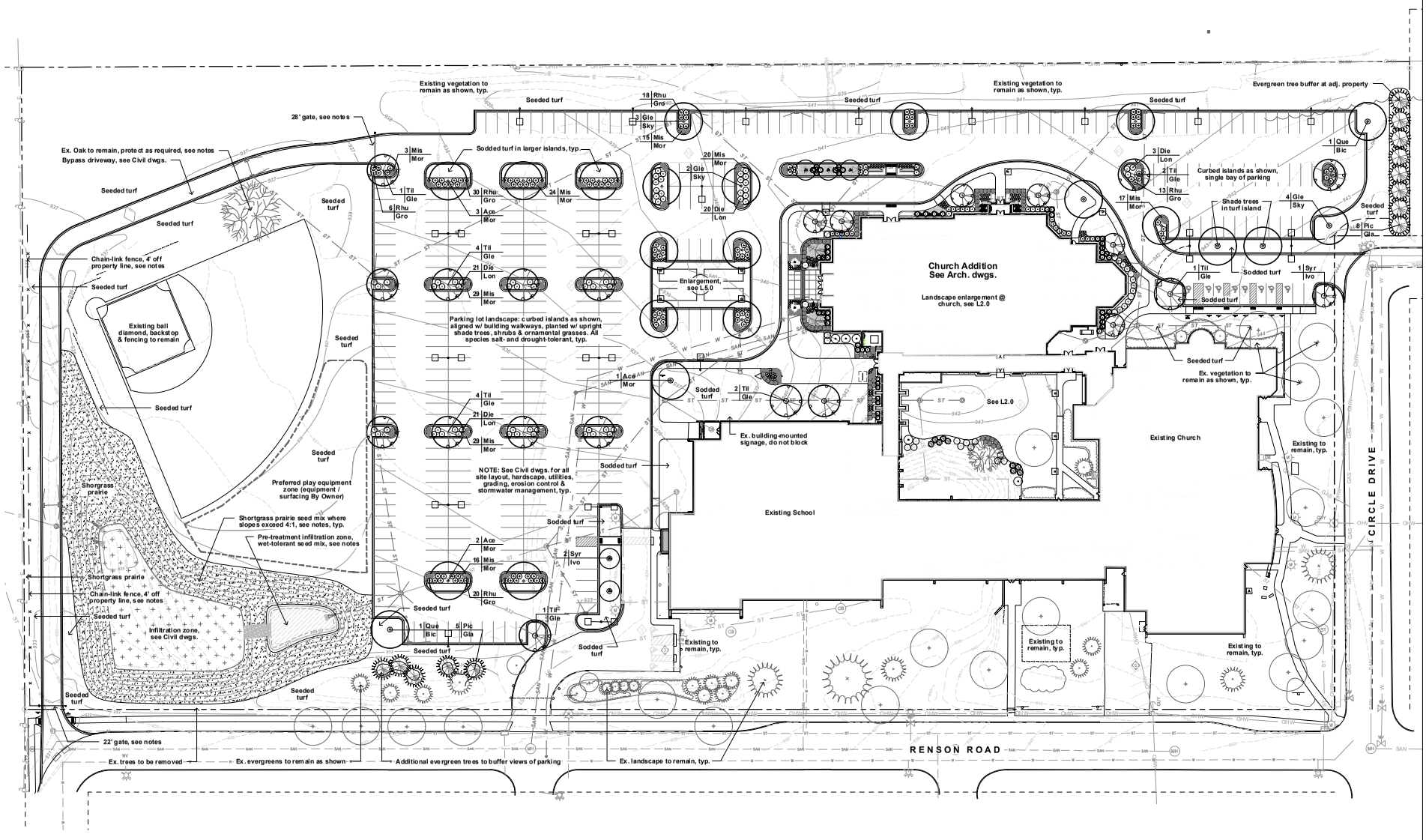
Revisions:

No	Date	Description
	01-27-2020	Village Resubmittal

Date:
01.15.20

Project No:
16-0088.01

Sheet No:
C5.00



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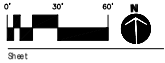
Consultant:

Project:
St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:





Sheet:
Overall Landscape & Planting Plan

Phase:
Planning Commission Submittal

Scale:
1" = 30'-0" @ 42x30"

Revisions:

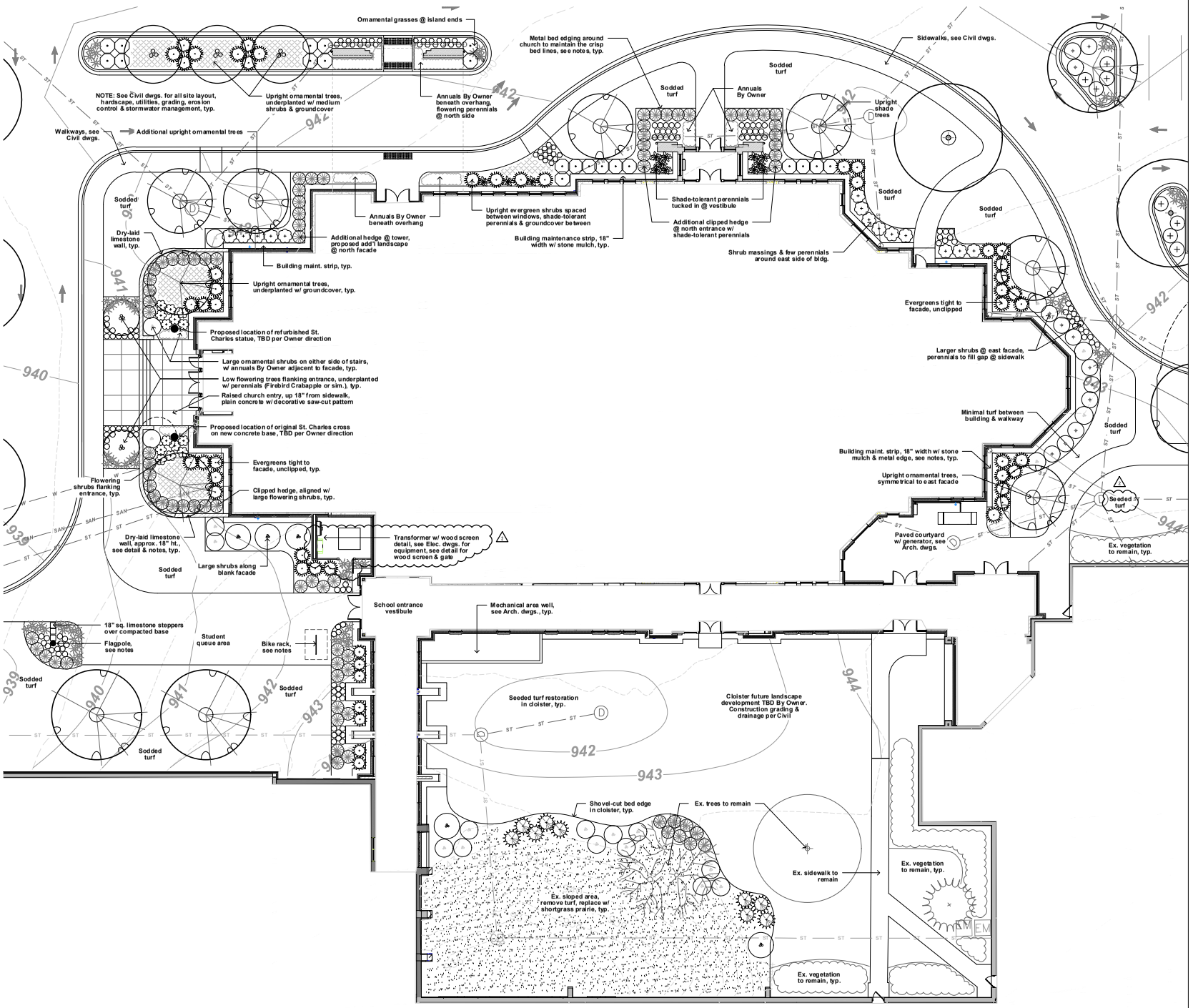
No:	Date:	Description:
	01/27/2020	Village Resubmittal

Date:
12/06/2019

Project No:
160088.01

Sheet No:
L1.0

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Consultant:

Project:
St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



0' 5' 10' 20' N

Sheet:
Enlarged Landscape Plan

Phase:
Planning Commission Submittal

Scale:
1" = 10'-0" @ 42x30"

Revisions:

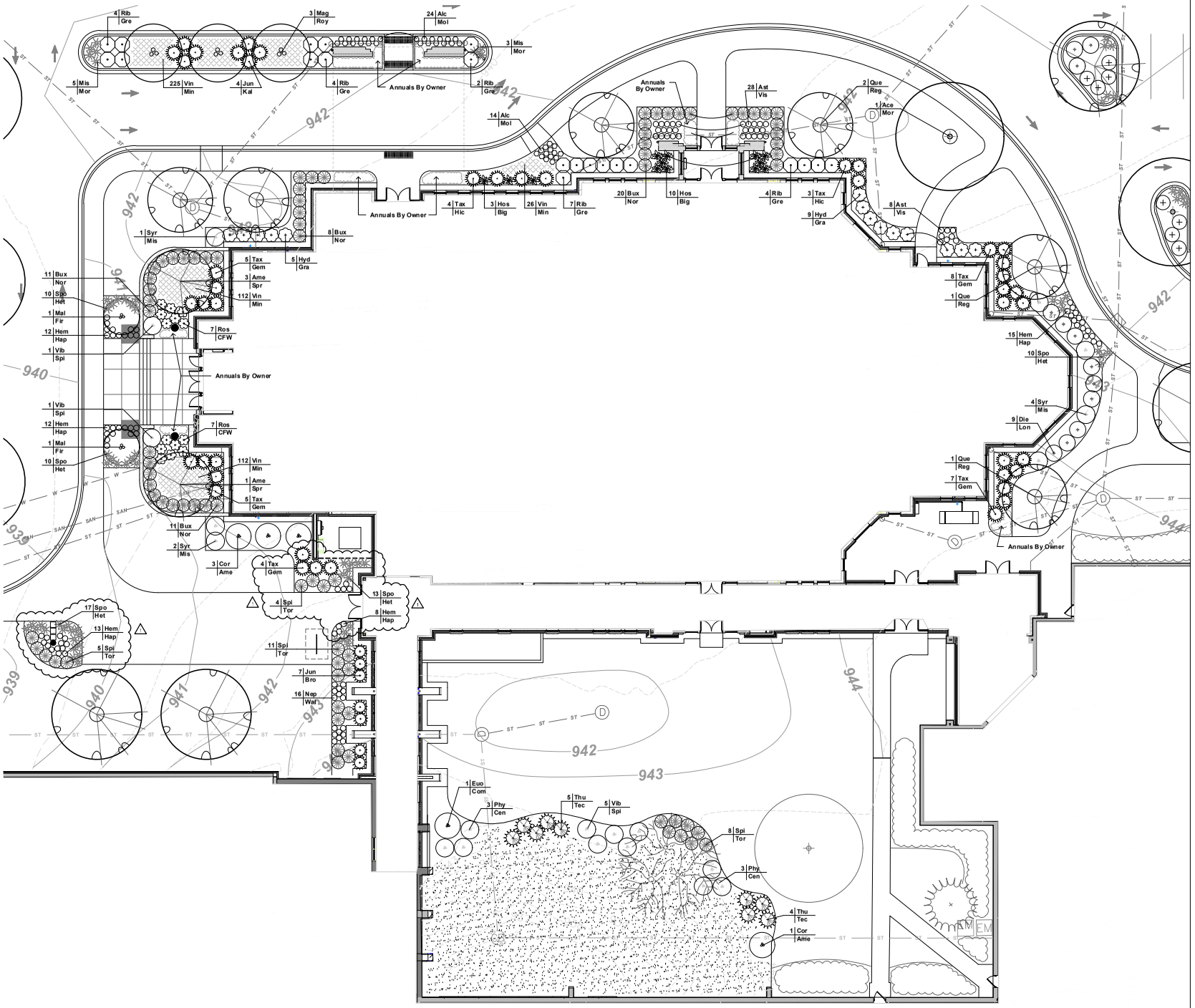
No:	Date:	Description:
	01/27/2020	Village Resubmittal

Date:
12/06/2019

Project No:
160088.01

Sheet No:
L2.0

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Consultant:

Project:

St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



0' 5' 10' 20' N

Sheet:

Enlarged Planting Plan

Phase:
Planning Commission Submittal

Scale:
1" = 10'-0" @ 42x30"

Revisions:

No:	Date:	Description:
	01/27/2020	Village Resubmittal

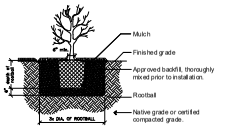
Date:
12/06/2019

Project No:
160088.01

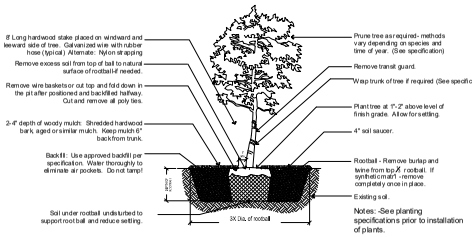
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L2.1

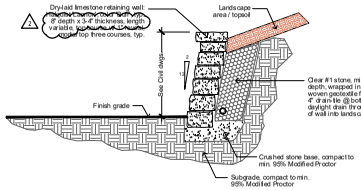
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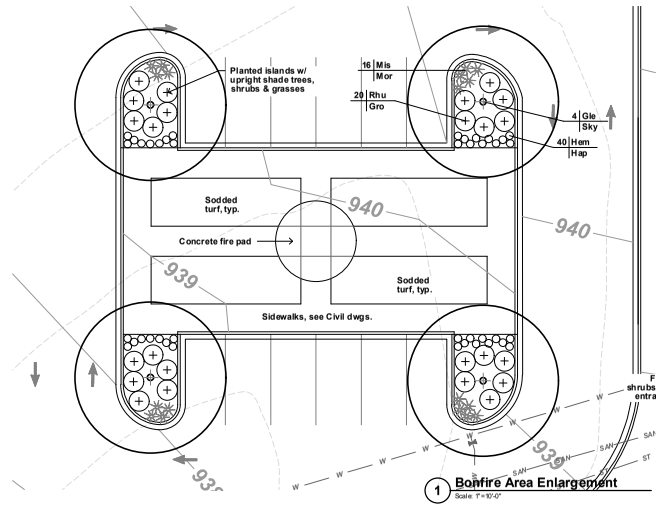
4 Shrub Planting Detail
Not To Scale



3 Tree Planting Detail
Not To Scale



2 Dry Laid Limestone Wall
Scale: 3/4"=1'-0"



1 Bonfire Area Enlargement
Scale: 1"=10'-0"

General Notes

1.01 All landscape installation & maintenance to conform with all applicable local codes & ordinances, including (but not limited to) select portions of Village of Hartland Municipal Code.

1.02 See Site dwgs. for work limits, scope of construction, hardscape, dimensions &/or construction notes. See Civil dwgs. for all hardscape, grading, stormwater management, site utilities & erosion control. See Landscape dwgs. for landscape plans, details, schedules, notes. See Architectural dwgs. for all construction & signage. See Electrical drawings for all power, circuiting, lighting & access control.

1.03 Contractor shall provide shop drawings and material submittals of all hardscape & landscape construction elements shown in plan set for Landscape Architect review prior to construction, including (but not limited to) ornamental fencing & all access control equipment.

1.04 Contractor to provide samples for Landscape Architect's approval on all colors, finishes & materials prior to construction, including (but not limited to) topsoil, gravels, mulches, seed mixes et al.

1.05 Caution: underground utilities are present on site. The Contractor shall verify location of all above- and below-grade utilities, both public & private, prior to commencement of site construction. If unanticipated above- or below-grade conditions are encountered, notify Client & Landscape Architect prior to proceeding. Coordinate with local public utility locating entity as needed.

1.06 Contractor to verify hardscape layout prior to construction. Contact Landscape Architect if discrepancies are found.

1.07 Contractor to limit construction traffic to within work limit lines. All adjacent damage shall be the responsibility of the contractor to restore. See Civil drawings for limits of disturbance.

1.08 Existing trees to remain on site shall be protected. Erect snow fencing @ 15' R or tree driplines, whichever is farther. All construction traffic, storage, compaction, parking or other disturbance within protection zones shall be prevented for the duration of construction, except for work specifically indicated in the site plans.

1.09 All written dimensions supersede scaled dimensions. All dimensions are taken from face of curb, wall or existing building foundations.

Landscape Notes

2.01 Rough grading & topsoil import/spreading are to be completed by others. Finish grading, seed area and ornamental planting bed preparation shall be the landscape contractor's responsibility. Verify all existing site and grading conditions prior to construction.

2.02 All areas disturbed by site construction shall be fine graded and restored with vegetative cover as shown. See plans for cover types & locations, see specifications for materials & installation.

2.03 Contractor shall verify plant quantities shown on plan. Symbol quantities take precedence over plant keys. Forward a material list to the Landscape Architect prior to construction identifying species, sizes & plant sources to be used on the project.

2.04 All plant materials shall conform to the schedule and shall meet quality requirements outlined in the ANLA "American Standard for Nursery Stock", ANSI Z60.1-2004. The Landscape Architect reserves the right to reject any substandard planting material. Such rejected material shall be removed from the project site immediately.

2.05 An Owner's representative shall be allowed to inspect and approve trees at the nursery prior to delivery to the site, if desired.

2.06 All nursery tags/labels shall be left on plant materials until the project punch-list inspection is completed by the Landscape Architect. Untagged materials will be assumed to be deficient.

2.07 All planting beds shall contain screened blended topsoil mix to a min. depth of 18". All turf, low-mow & shortgrass prairie areas shall have min. 6". Subgrade shall be tilled and/or scarified prior to placement of topsoil. Contractor shall be responsible for obtaining soil tests for all topsoil. Soil testing results shall include (but is not limited to) soil pH, % organic matter, phosphorus, potassium, calcium & texture (percentages of sand, silt and/or clay.) Remove excessive clay, gravel & stones detrimental to healthy plant growth. Remove all debris greater than 1" diameter. Suitable existing soil may be used & mixed if previously approved.

2.08 Contractor is responsible for ensuring that all tree pits & planting areas drain properly. Notify Landscape Architect if drainage or moisture problems are encountered while planting.

2.09 Contractor shall backfill all trees, shrubs & evergreens with a mix of 1/3 plant starter mix & 2/3 remaining soil. Plant Starter Mix to be provided by Liesener Soils, Cedarburg WI, or approved equal.

2.10 All perennial and groundcover areas shall receive a 3" layer of plant starter mix and perennial starter fertilizer, rototilled into the top 6" of blended topsoil in beds.

2.11 Unless otherwise shown, all perennials & shrubs to be planted in triangular arrangements. For plants not shown individually, refer to the spacing shown in the plant schedule.

2.12 Mulch shall be as follows:

- Shredded hardwood bark mulch shall be installed in all planting beds unless otherwise indicated. Bark pieces shall be no larger than 1x4". Only un-dyed bark mulch shall be used, no colored product or recycled wood shall be utilized.
- Stone mulch shall be installed in the 18" wide maint. strip around the building perimeter, and as indicated elsewhere. Stone mulch shall be 2-3" of Mississippi washed stone, min. 1" dia., installed over non-woven geotextile fabric.

2.13 Bed edging shall be as follows:

- Metal edging shall be installed at the building maint. strip or adjacent to any stone mulch. Edging shall be 3/16" x 4" alum. mill-finish. Permaloc "CleanLine" or "ProSlide", or approved equal.
- 6" deep shovel-cut edging shall be installed at all other locations, typ.

2.14 Contractor shall provide positive drainage away from all structures for a minimum of 10'.

2.15 Contractor shall be responsible for providing base bid comprehensive landscape establishment, maintenance and warranty care for one year after installation. Work shall include all watering, weeding, pruning, fertilizing & pest management. Prior to beginning installation, the contractor shall submit a 12-mo. calendar for review/approval including all anticipated maintenance activities.

Seeding Notes & Mixes

3.01 This work shall consist of preparing the seed beds and furnishing, sowing and mulching the required seed on the various seeded areas, as outlined in the site plans and specifications. All turf restoration shall be seeded turf unless otherwise noted.

3.02 Rough grading, drainage work, topsoiling and fine grading shall be completed before sowing the seed mixes. The areas to be seeded shall be worked with plow chisels, discs & harrows, soil finishers and/or other appropriate equipment until a reasonably even and loose seedbed is obtained. Seed beds shall be prepared immediately in advance of the seeding. If proposed seed areas are weedy, contractor to apply herbicide or other weed control measures to eliminate weeds. Conform with seed supplier's specifications if required.

3.03 Confirm that anticipated project schedule date(s) fall within the respective seed supplier's approved calendar prior to installation. Installations completed outside of acceptable seeding dates shall be the performed at the sole responsibility and expense of the contractor. For dormant seeding, a min. of one over-seed application in the following season will be required.

3.04 Seeds shall be PLS and will be mixed in accordance w/ mfr's specifications. Provide invoices, bag-tags or mix analysis results for approval prior to installation.

3.05 The seed mixtures shall be sown by means of equipment adapted to the purpose. Mechanical distribution of seed (i.e. Truax seed drill, Brillion seeder, cultipacker, slit-seeder, drop spreader or broadcast spreader) are the only accepted methods. No hand-broadcasting of seed.

3.06 No seeding shall occur if the wind exceeds 12 MPH.

3.07 Coordinate erosion control and/or mulching with Civil dwgs:

- In sloped areas steeper than 4:1, erosion matting shall be installed by others. Landscape installation shall be coordinated with the erosion control contractor.
- In areas with slopes between 4:1 and 8:1, landscape contractor shall apply clean hay or straw mulch, free of debris and seeds, on all newly-seeded areas. Mulch shall be uniformly spread over the designated area at a rate of 55 bales per acre or as indicated in the respective seed supplier's specifications. Mulch material shall be chopped and blown into the seeded area.
- Lightweight E.C. matting and/or hydromulch will be accepted as a no-cost alternate if approved by Landscape Architect prior to application.

3.08 See Civil dwgs for erosion control devices. Coordinate with erosion control contractor where required to ensure that topsoil, seeding and/or mat installations are properly coordinated.

3.09 Contractor is responsible for obtaining soil tests for all seeded areas. Soil testing results shall include (but is not limited to) soil pH, % organic matter, phosphorus, potassium, calcium & texture (percentages of sand, silt and/or clay.) Contaminated soil shall be removed from the project site if discovered. Remove excessive clay, gravel & stones detrimental to healthy plant growth. Remove all debris greater than 1" diameter. If necessary, supply soil amendments required for specified seed mixes and/or coordinate alternate mixes if soils cannot be properly conditioned.

3.10 Seed mix substitutions will be considered only if submitted for approval 10 days before the close of bidding. All mixes shall be installed & maintained per supplier's specifications.

BLUEGRASS MIX:
"Deluxe 50 Mix" shall be supplied by Reinders, Sussex WI, 262-786-3301. Apply @ 5 lbs per 1000 GSF.

SHORTGRASS PRAIRIE MIX:
"Short Prairie for Medium Soils" shall be supplied by Prairie Nursery, Westfield WI, 800-476-9453. Apply @ 10 lbs per AC, plus Annual Rye cover crop (5 lbs per AC spring seeding or 15 lbs per AC fall seeding.)

3.11 Contractor shall be responsible for providing base bid comprehensive seed area establishment, maintenance and warranty care for all seeded areas:

- Bluegrass areas shall be for one year after installation. Work shall include all watering, weeding, fertilizing & mowing. Assume 24 mowings per year. Assume one full overseeding in spring of the second year.

- All other seed areas (prairie) shall be for three years after installation. Work shall include all weeding (both spot herbicide and/or hand-pulling, depending on necessity), spring / fall clean-up & mowing. Expect 4-5 mowings in the first year, 3-4 mowings in the second year and 2-3 mowings in the third year. All mowings shall be timed to cut germinating weeds but not desirable forbs / grasses. Overseed each spring any bare areas larger than 1 sq. ft.

- Prior to beginning installation, the contractor shall submit a 36-month calendar for review/approval including all anticipated maintenance activities.

Hardscape / Amenity Notes

4.01 Play equipment: Owner shall evaluate existing equipment for code compliance & feasibility of relocating to preferred play zone southeast of ex. baseball field. Prior to beginning construction, contractor shall confirm with Owner whether to stockpile or demolish play equipment.

4.02 Baseball backstop & side fencing: Ex. backstop shall be protected during construction.

4.03 Chain Link Fencing: Install new fencing around retention basin as shown:

- Height: Shall be 5' typ.
- Posts: Shall be min. 2.5" dia. line posts & min. 3" dia. corner / gate posts. Line posts shall be spaced @ max. 8' o.c. & driven to min. 5' depth. Corner / gate posts shall be concrete set w/ min. 12" dia. x 48" depth footings. Materials shall be Wheatland WT-30 or approved equal, black vinyl finish.
- Horizontals: Top rail shall be min. 1-5/8" dia. Wheatland WT-30 or approved equal, black vinyl finish. Bottom shall be tension wire.
- Fabric: Shall be 9-gauge steel mesh, 2" openings, Class 2b thermally fused and bonded, color black, KK selvage top & bottom.
- Gate: Shall be 8' clear, leaves w/ fully welded & gusseted frames, mat/s to match. Gates shall include standard locking hasps & one drop rod w/ concrete-set sleeve.

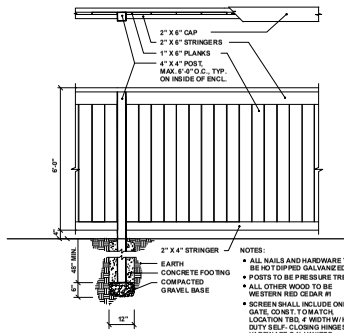
4.04 Bike rack: Shall be 'Heavy Duty Winder', capacity 7, black powder-coat finish. Available from Madrax, Madison WI, 800-448-7931. Or approved equal. Surface mount where indicated on plans.

4.05 Flag pole: Shall be 35' ht., clear anodized, 1 or 2 piece w/ internal halyard. Eder Flag 'ECSA35IH' available from The Flag Center, Wauwatosa WI, 414-778-1776. Or approved equal. Install per mfr. req's.

Plant Schedule

NOTE: Contractor shall be responsible for final plant quantities, typ.

Symbol	Qty	Prop.	Botanical Name	Common Name	Installed Size	Root	Spacing	Notes
Shade Trees								
Ace Mor			Acer nigrum 'Morton'	State Street Maple	3" Cal.	B/B	As Shown	
Que Bic			Quercus bicolor	Swamp White Oak	4" Cal.	B/B	As Shown	
Que Reg			Quercus rotur x, bicolor 'Long'	Regal Prince English Oak	4" Cal.	B/B	As Shown	
Gle Sky			Gleditsia tri, 'Skyline'	Skyline Honeylocust	3" Cal.	B/B	As Shown	
Til Gli			Tilia x, flavens 'Glenleven'	Glenleven Linden	3" Cal.	B/B	As Shown	
Ornamental Trees								
Ame Spr			Amelanchier laevis 'JFS-Arb'	Spring Flurry Serviceberry	2.5" Cal.	B/B	As Shown	Single Stem
Mag Roy			Magnolia stellata 'Royal Star'	Royal Star Magnolia	6' Ht.	B/B	As Shown	Heavy Three Stem
Mal Fir			Malus sargentii 'Firstcol'	Firstcol Crabapple	5-6' Ht.	B/B	As Shown	Single Stem
Syr Ivo			Syringa reticulata 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	10' Ht.	B/B	As Shown	Heavy Three Stem
Evergreen Trees								
Pic Gla			Picea glauca var. densata	Black Hills Spruce	7-8' Ht.	B/B	As Shown	
Large Shrubs								
Cor Ame			Corylus americana	American Filbert	48" Ht.	B/B	As Shown	
Euo Com			Euonymus alata 'Compactus'	Compact Burning Bush	48" Ht.	B/B	As Shown	
Thu Tec			Thuja occidentalis 'Technito'	Technito Dwarf Arborvitae	5' Ht.	B/B	As Shown	
Deciduous Shrubs								
Hyd Gra			Hydrangea grandiflora 'Snowfall'	Snowfall Hydrangea	15-24" Ht.	2 Gal.	48" o.c.	
Rib Gre			Ribes alpinum 'Green Mound'	Green Mound Alpine Currant	18-24" Ht.	2 Gal.	42-48" o.c.	
Ros CFW			Rosa 'Carefree Wonder'	Carefree Wonder Shrub Rose	15-18" Ht.	2 Gal.	36" o.c.	
Spi Tor			Spiraea betula 'Tor'	Tor Birchleaf Spirea	15-18" Ht.	2 Gal.	36-42" o.c.	
Syr Mis			Syringa patula 'Miss Kim'	Miss Kim Dwarf Lilac	30-36" Ht.	7 Gal.	60" o.c.	
Vib Sp			Viburnum carlesii 'Spicea Bouquet'	Spiced Bouquet Comp. Kapoe Vib.	30-36" Ht.	7 Gal.	60" o.c.	
Evergreen Shrubs								
Bux Nor			Buxus 'Northern Charm'	Northern Charm Boxwood	15-18" Ht.	B/B	36" o.c.	Adj. spacing per plan
Jun Kol			Juniperus chinensis 'Kallay Compact'	Kallay Compact Juniper	24" sprd.	7 Gal.	54" o.c.	
Perennials & Grasses								
Alc Mol			Alchemilla mollis	Lady's Mantle	1 Gal.	Cont.	24" o.c.	
Ast Vis			Astilbe 'Visions In Pink'	Visions In Pink Astilbe	4.5"	Cont.	18" o.c.	
Hem Hap			Hemerocallis 'Happy Returns'	Happy Returns Daylily	4.5"	Cont.	18-24" o.c.	
Hos Big			Hosta 'Big Daddy'	Big Daddy Hosta	1 Gal.	Cont.	30" o.c.	
Mis Mor			Miscanthus 'Morning Light'	Morning Light Maidenhair Grass	1 Gal.	Cont.	30-36" o.c.	
Nep Wal			Nepeta 'Walker's Low'	Walker's Low Catmint	4.5"	Cont.	18" o.c.	
Spo Het			Sporobolus heterolepsis	Prairie Dropseed	1 Gal.	Cont.	18-24" o.c.	Qty's per plant keys
Vin Min			Vinca minor	Periwinkle	2.5"	Cont.	12" o.c.	



5 Wood Screen Detail
Scale: 1/2"=1'-0"

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Consultant:

Project:
St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



Sheet:
Landscape Enlargement, Details, Schedules & Notes

Phase:
Planning Commission Submittal

Scale:
As Shown @ 42x30"

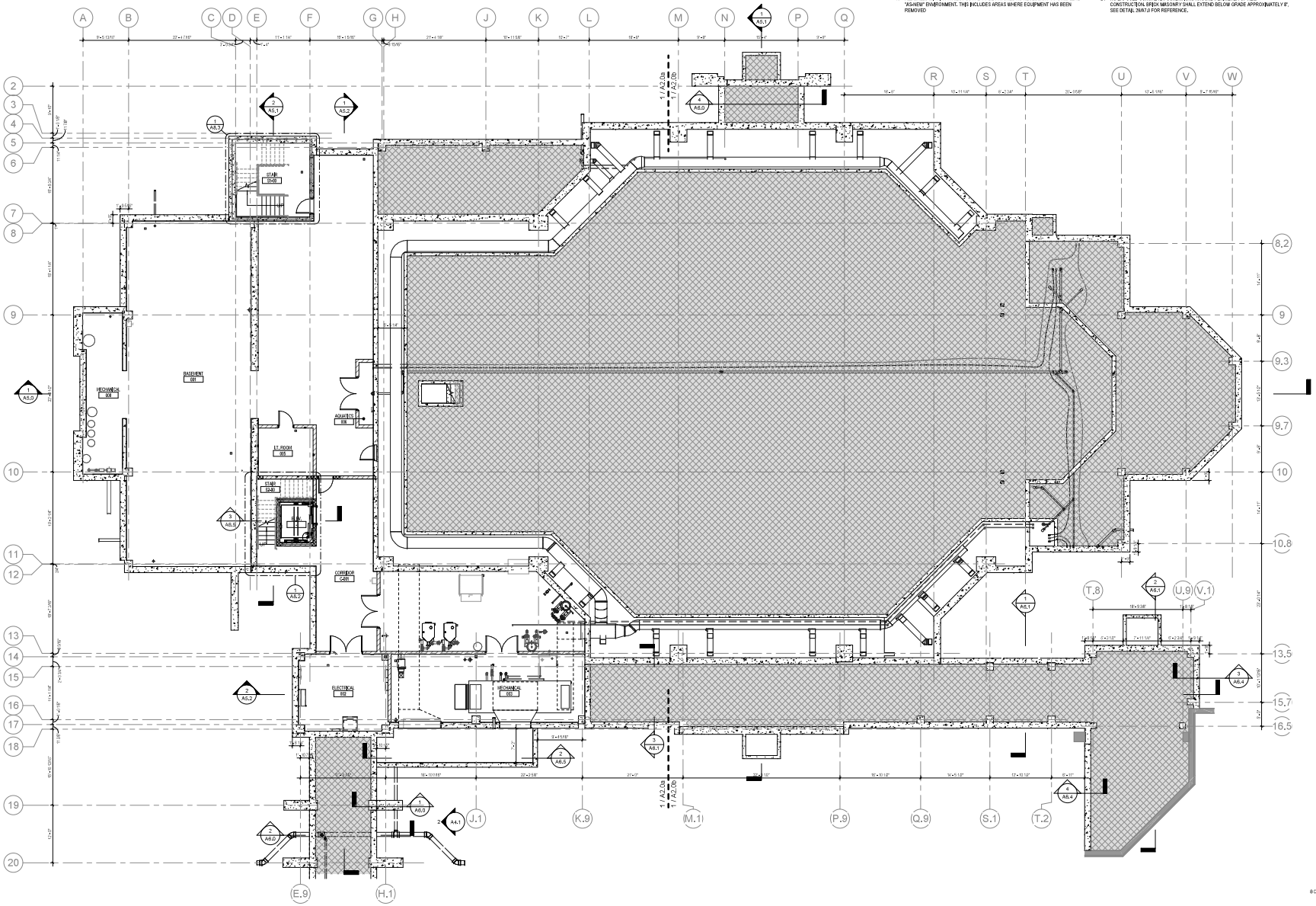
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No:	Date:	Description:
	01/27/2020	Village Resubmittal

Date:
12/06/2019

Project No:
160088.01

Sheet No:
L5.0



GENERAL CONSTRUCTION NOTES:

EXISTING WALLS TO REMAIN

NEW WALL CONSTRUCTION

UNEXCAVATED AREAS

1. PORTION OF BUILDING SHOWN IN A DARKER (GRAY) TONE ARE EXISTING BASE BUILDINGS WHICH ARE TO REMAIN.
2. SEE SHEET T0.1 FOR ABBREVIATIONS AND SYMBOL LEGEND.
3. COORDINATE THIS PROJECT WITH OWNER TO DETERMINE INTERIM LIFE SAFETY ROUTES IF APPLICABLE, CONFIRM ANY CONFLICTS WITH ARCHITECT/OWNER PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
5. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE TO ALL SPACES ON THE SITE NOT AFFECTED BY THE WORK. ANY DISRUPTION IN SERVICES REQUIRED TO PERFORM THE WORK MUST BE COORDINATED WITH OWNER AND ADJACENT PROPERTY OWNERS IN ADVANCE.
6. CONTRACTOR SHALL REPLACE, AT NO COST TO THE OWNER, ANY AND ALL SITE MATERIALS DAMAGED DUE TO THE CONSTRUCTION PROCESS WHICH WERE NOT SCHEDULED TO BE DEMOLISHED OR REMOVED.
7. ALIGNMENT OF NEW CONSTRUCTION TO EXISTING WALLS & COLUMNS SHALL BE ONE IN A MANNER AS TO VISIBLY ELIMINATE THE POINT OF CONTACT OR JOINT OF NEW AND EXISTING MATERIALS TO PROVIDE SMOOTH AND CONTINUOUS SURFACE. MAINTAIN APPROPRIATE FIRE-RATED CONSTRUCTION AT DISTURBED AREAS.
8. WALLS ARE TO BE PARALLEL & PERPENDICULAR TO ADJACENT WALLS UNLESS OTHERWISE NOTED, ALIGN WALLS WHERE APPARENT.
9. ANY WALL SHOWN ON THE PLANS WITHOUT A WALL TAG IS ASSUMED TO BE TYPE "B9" IF GRAPHICALLY INDICATED AS GYP BOARD & METAL STUD, AND TYPE M8F GRAPHICALLY INDICATED AS MASONRY. IF MASONRY INFILL WALLS NOT TAGGED, IT SHALL BE ASSUMED TO MATCH THE WIDTH OF THE EXISTING WALL. SEE SHEET T0.1 FOR GRAPHIC LEGEND, WALL TYPES INDICATED BY
10. ALL WALLS WITHIN PROJECT SCOPE TO BE PATCHED AS NECESSARY TO COMPLETE "SEAMLESS" ENVIRONMENT. THIS INCLUDES AREAS WHERE EQUIPMENT HAS BEEN REMOVED
11. WHERE MASONRY IS REMOVED AND BACKPATCHED, OR WHERE OPENINGS ARE FILLED, PROVIDE MASONRY AND GROUT TO MATCH. TOOTH-IN ALL INFILL SO AS TO CREATE A SEAMLESS END PRODUCT.
12. HINGE SIDE OF ROUGH OPENINGS FOR DOORS ARE TYPICALLY 4" FROM ADJACENT PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
13. PROVIDE BLOCKING AT ALL WALL HUNG EQUIPMENT AND FURNITURE AS REQUIRED.
14. ALL FLOORS ARE TO BE LEVEL AND CLEAN PRIOR TO INSTALLATION OF NEW FLOOR COVERINGS, ALL FLOOR SURFACES AND TRANSITIONS BETWEEN SURFACE TYPES SHALL COMPLY WITH ADA GUIDELINES.
15. ALL FLOOR ELEVATIONS ARE BASED OFF OF FIRST FLOOR ELEVATION OF 100'-0", ARCHITECTURAL ELEVATION 100'-0" CORRESPONDS TO CIVIL ELEVATION OF 843.50 +/-.
16. ALL FIRE WALLS ARE TO BE LABELED ABOVE FINISH CEILING. LABELS ARE TO BE ON BOTH SIDES OF WALL, PER 2015 IBC WITH A MAXIMUM SPACING OF 12'.
17. ALL EXPOSED CORNERS ON COUNTERS ARE TO HAVE A 1/2" RADIUS MINIMUM, UNLESS OTHERWISE NOTED.
18. REFER TO ROOM FINISH SCHEDULE/MATERIAL LEGEND FOR ALL FINISHES.
19. VERIFY LOCATION OF OWNER FURNISHED / CONTRACTOR INSTALLED ACCESSORIES PRIOR TO INSTALLATION.
20. ALL ELECTRICAL PANELS LOCATED IN SPACES OTHER THAN DEDICATED ELECTRICAL CLOSETS OR NON-PUBLIC SPACES SHALL BE FULLY RECESSED.
21. COORDINATE FINAL SIZES AND LOCATIONS OF ALL CONCRETE PADS WITH THE HVAC CONTRACTOR. CONCRETE PADS SHALL BE 6" ON 3, UNO.
22. CERTAIN PLUMBING, ELECTRICAL AND MECHANICAL ELEMENTS, SUCH AS ROOF CONDUCTORS, STANDPIPES, CABINET UNIT HEATERS AND ELECTRICAL PANELS MAY OR MAY NOT BE SHOWN ON THE ARCHITECTURAL PLANS. THESE ARE SHOWN FOR COORDINATION ONLY. ALL CONTRACTORS MUST REVIEW ALL SHEETS FOR ALL REQUIRED WORK.
23. ALL INTERIOR COLUMN ENCLOSURE FRAMING USING 1 5/8" FRAMING SHALL BE 20 GAUGE MINIMUM.
24. NO EXPOSED CONCRETE FOUNDATIONS AROUND PERIMETER OF NEW CONSTRUCTION. BRICK MASONRY SHALL EXTEND BELOW GRADE APPROXIMATELY 8", SEE DETAIL 3/A7.0 FOR REFERENCE.

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Consultant:

Project:

St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



N

Sheet:

BASEMENT FLOOR PLAN - OVERALL

Phase:
Planning Commission Submittal

Scale:
1/8" = 1'-0"

Revisions:

No.	Date	Description

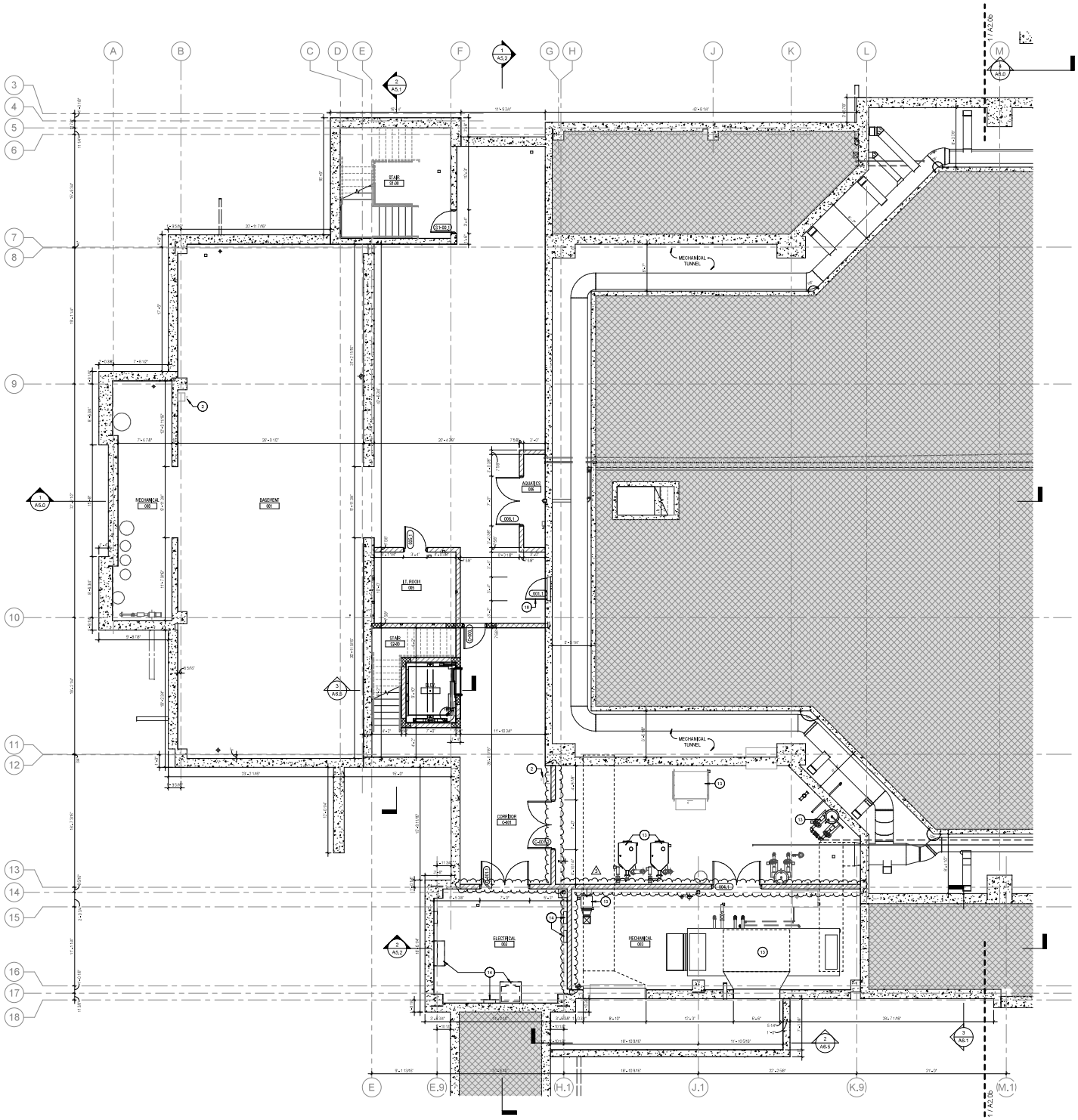
Date:
01.27.20

Project No:
160088.01

Sheet No:

A2.0

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FLOOR PLAN KEYNOTES	
KEY	KEYNOTE DESCRIPTION
1	FIRE EXTINGUISHER CABINET SEMI-RECESSED (PAINT)
2	FIRE EXTINGUISHER CABINET SURFACE MOUNTED (PAINT)
4	HI-LOW DRINKING FOUNTAIN WITH BOTTLE FILLER
5	FLOOR MOUNTED UTILITY SINK, SEE PLUMBING DRAWINGS
7	SOLID WOOD CHURCH PEWS BY OWNER
8	METAL GRATING OVER MECHANICAL WELL, SEE STRUCT. DRAWINGS FOR ATTACHMENT.
9	SAFE BY OWNER.
10	HOSE BIB - SEE PLUMBING DRAWINGS
11	GLASS MARKER BOARD - SEE INT. ELEVATIONS, MATERIAL LEGEND, RFS.
12	ADA RAMP - 1:12 MAX. SLOPE
13	MECHANICAL EQUIP. - SEE MECHANICAL DRAWINGS.
14	ELECTRICAL EQUIP. - SEE ELECTRICAL DRAWINGS.
15	STEEL EXTERIOR PIPE RAILING (PAINTED).
17	SHIPS LADDER FOR MECHANICAL PLATFORM ACCESS.
18	1/2 HEIGHT DOOR FOR TUNNEL ACCESS, SILL AT 5'-0" A.F.F, SEE DOOR SCHED.
19	LITURGICAL FURNISHINGS BY OWNER.
20	METAL STUDWAY CURVED WALL & DOME.
21	STEEL PIPE HANDRAIL (PAINTED).

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Consultant:

Project:
St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



Sheet:
BASEMENT FLOOR PLAN - AREA A

Phase:
Planning Commission Submittal

Scale:
3/16" = 1'-0"

Revisions:

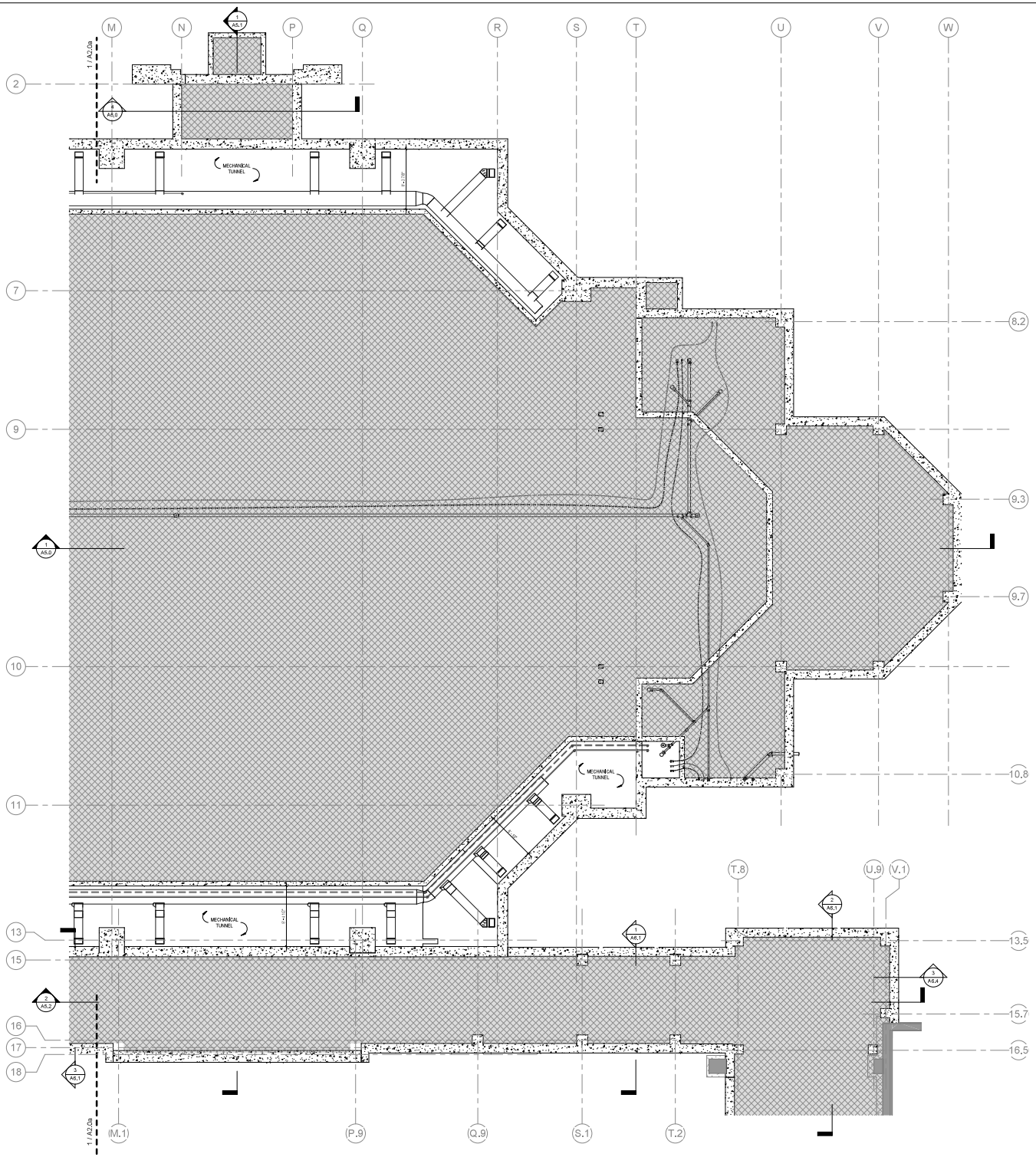
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FLOOR PLAN KEYNOTES	
KEY	KEYNOTE DESCRIPTION
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5	FLOOR MOUNTED UTILITY SINK, SEE PLUMBING DRAWINGS
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8	METAL GRATING OVER MECHANICAL WELL, SEE STRUCT. DRAWINGS FOR ATTACHMENT.
9	SAFE BY OWNER.
10	HOSE BIB - SEE PLUMBING DRAWINGS
11	GLASS MIRROR BOARD - SEE INT. ELEVATIONS, MATERIAL LEGEND, RFS.
12	ADA RAMP - 1:12 MAX. SLOPE
13	MECHANICAL EQUIP. - SEE MECHANICAL DRAWINGS.
14	ELECTRICAL EQUIP. - SEE ELECTRICAL DRAWINGS.
15	STEEL EXTERIOR PIPE RAILING (PAINTED).
17	SHIPS LADDER FOR MECHANICAL PLATFORM ACCESS.
18	1/2 HEIGHT DOOR FOR TUNNEL ACCESS, SEE LAT-S-4' A.F.F, SEE DOOR SCHED.
19	LITURGICAL FURNISHINGS BY OWNER.
20	METAL STUDWAY CURVED WALL & DOME.
21	STEEL PIPE HANDRAIL (PAINTED).

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St. Charles Church Addition

Location:
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Hartland, WI 53029

Key Plan:



Sheet:
BASEMENT FLOOR PLAN - AREA B

Phase:
Planning Commission Submittal

Scale:
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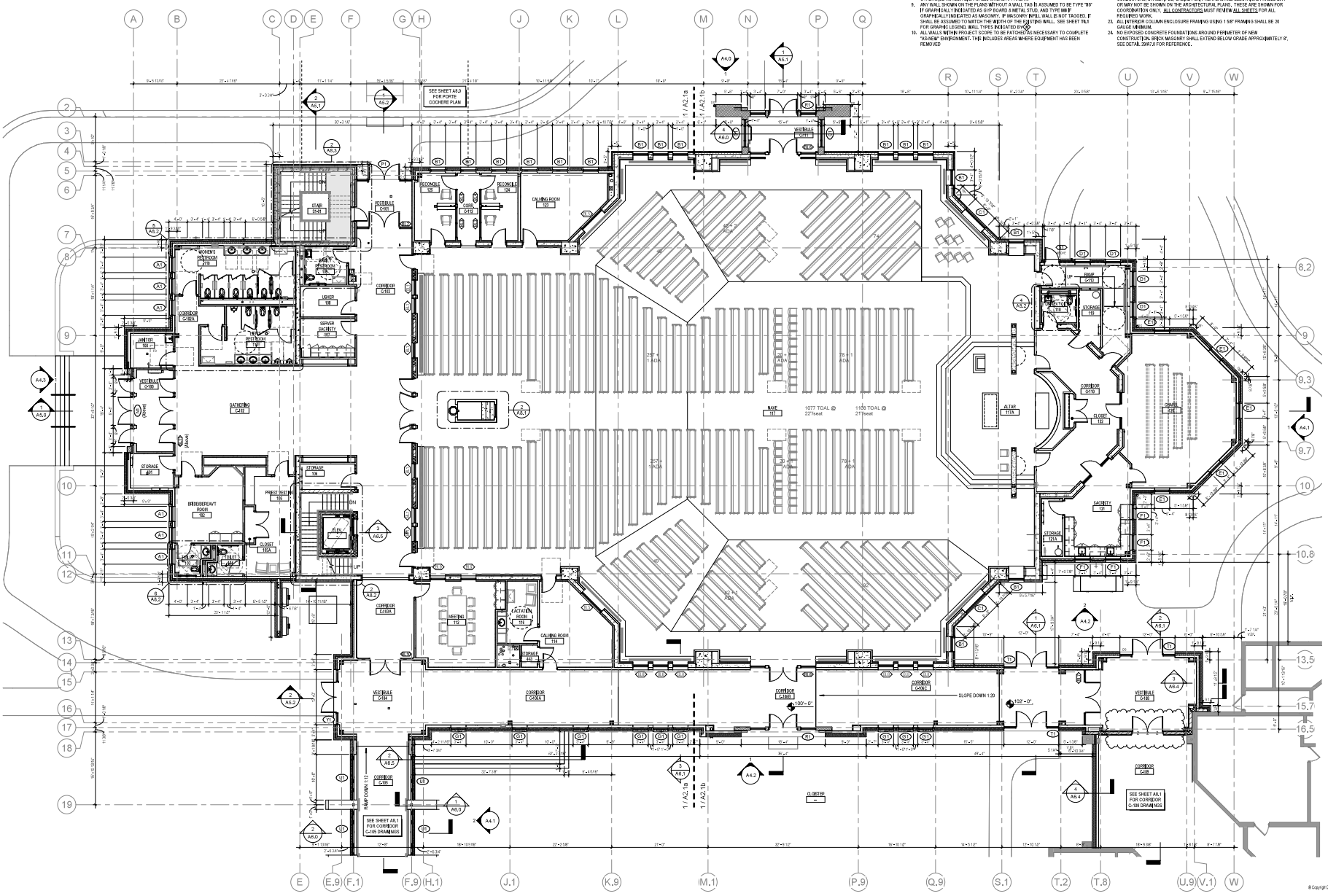
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Consultant:

Project:
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Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:


Sheet:
FIRST FLOOR PLAN - OVERALL

Phase:
Planning Commission Submittal

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1/8" = 1'-0"

Revisions:

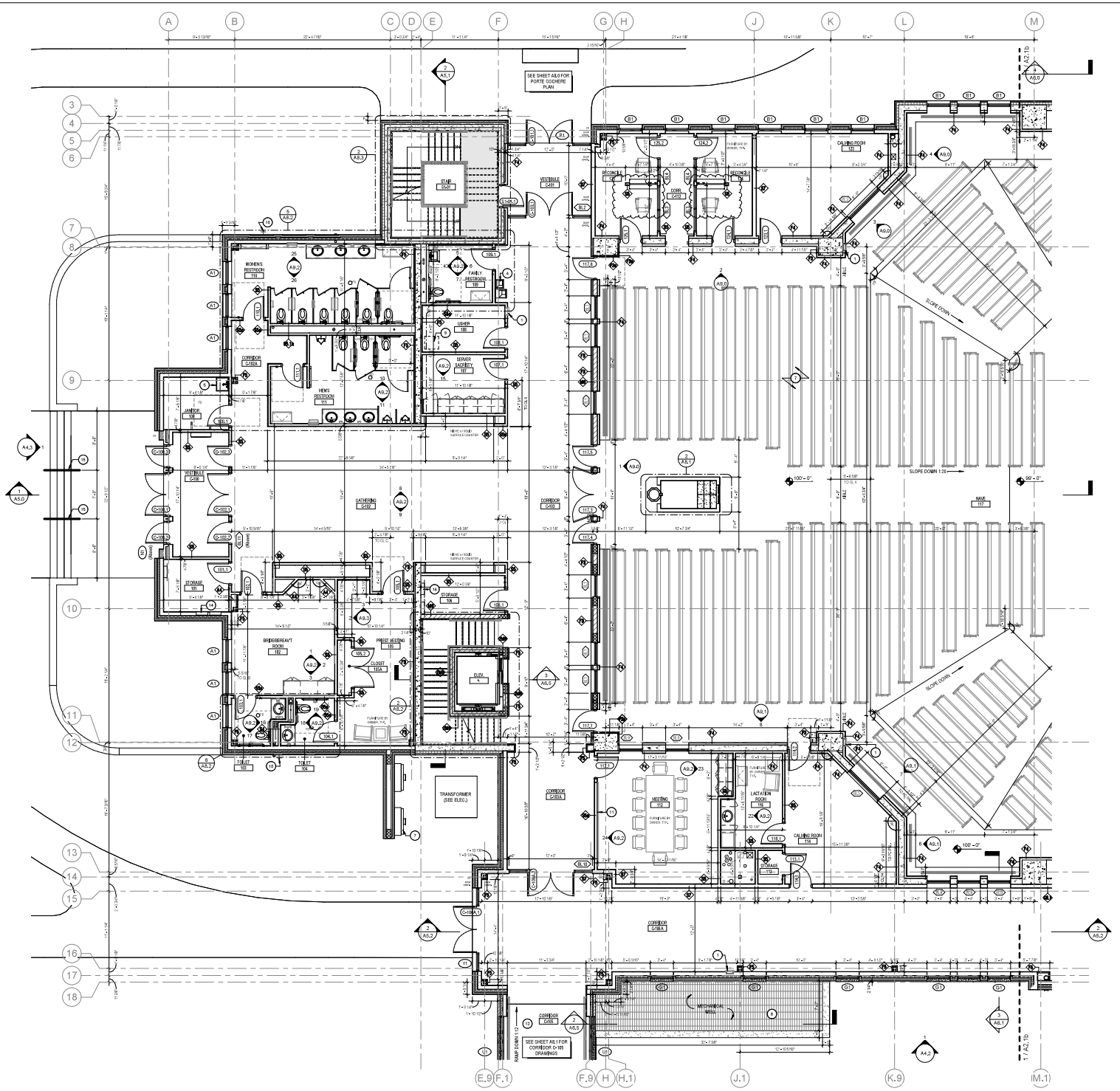
No.	Date	Description

Date:
01.27.20

Project No:
160088.01

Sheet No:
A2.1

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FLOOR PLAN KEYNOTES	
KEY	KEYNOTE DESCRIPTION
1	FIRE EXTINGUISHER CABINET SEMI-RECESSED (PAINT)
2	FIRE EXTINGUISHER CABINET SURFACE MOUNTED (PAINT)
4	HALOW DRINKING FOUNTAIN WITH BOTTLE FILLER
5	FLOOR MOUNTED UTILITY SINK, SEE PLUMBING DRAWINGS
7	SOLID WOOD CHURCH PEWS BY OWNER
8	METAL GRATING OVER MECHANICAL WELL, SEE STRUCT. DRAWINGS FOR ATTACHMENT.
9	SAFE BY OWNER.
10	HOSE BIB - SEE PLUMBING DRAWINGS
11	GLASS MARKER BOARD - SEE INT. ELEVATIONS, MATERIAL LEGEND, RFS.
12	ADA RAMP - 1:12 MAX. SLOPE
13	MECHANICAL EQUIP. - SEE MECHANICAL DRAWINGS.
14	ELECTRICAL EQUIP. - SEE ELECTRICAL DRAWINGS.
15	STEEL EXTERIOR PIPE RAILING (PAINTED).
17	SHIPS LADDER FOR MECHANICAL PLATFORM ACCESS.
18	1/2 HEIGHT DOOR FOR TUNNEL ACCESS, SILL AT 5'-4" A.F.F, SEE DOOR SCHED.
19	LITURGICAL FURNISHINGS BY OWNER.
20	METAL STUD/GWB CURVED WALL & DOME.
21	STEEL PIPE HANDRAIL (PAINTED).

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Project:
St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



Sheet:
FIRST FLOOR PLAN - AREA A

Phase:
Planning Commission Submittal

Scale:
3/16" = 1'-0"

Revisions:

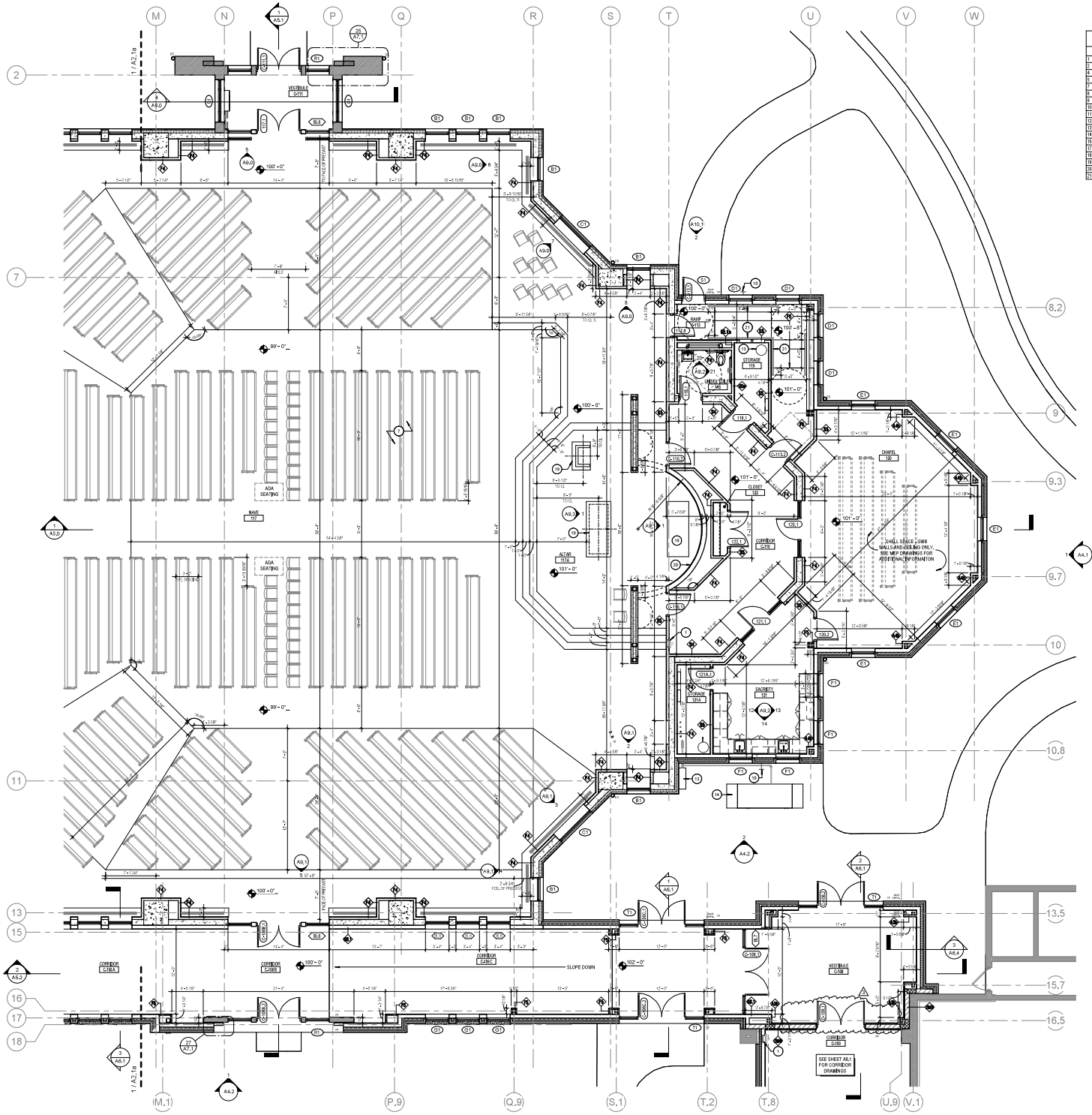
No.	Date	Description

Date:
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FLOOR PLAN KEYNOTES	
KEY	KEYNOTE DESCRIPTION
1	FIRE EXTINGUISHER CABINET SEMI-RECESSED (PAINT)
2	FIRE EXTINGUISHER CABINET SURFACE MOUNTED (PAINT)
4	HALOW DRINKING FOUNTAIN WITH BOTTLE FILLER
5	FLOOR MOUNTED UTILITY SINK, SEE PLUMBING DRAWINGS
7	SOLID WOOD CHURCH PEWS BY OWNER
8	METAL GRATING OVER MECHANICAL WELL, SEE STRUCT. DRAWINGS FOR ATTACHMENT.
9	SAFE BY OWNER.
10	HOSE BIB - SEE PLUMBING DRAWINGS
11	GLASS MIRROR BOARD - SEE INT. ELEVATIONS, MATERIAL LEGEND, RFS.
12	ADA RAMP - 1:12 MAX. SLOPE
13	MECHANICAL EQUIP. - SEE MECHANICAL DRAWINGS.
14	ELECTRICAL EQUIP. - SEE ELECTRICAL DRAWINGS.
15	STEEL EXTERIOR PIPE RAILING (PAINTED).
17	SHIPS LADDER FOR MECHANICAL PLATFORM ACCESS.
18	1/2 HEIGHT DOOR FOR TUNNEL ACCESS, SEL AT S-4' A.F.F, SEE DOOR SCHED.
19	LITURGICAL FURNISHINGS BY OWNER.
20	METAL STUDWAY CURVED WALL & DOME.
21	STEEL PIPE HANDRAIL (PAINTED).

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Key Plan:



Sheet:
FIRST FLOOR PLAN - AREA B

Phase:
Planning Commission Submittal

Scale:
3/16" = 1'-0"

Revisions:

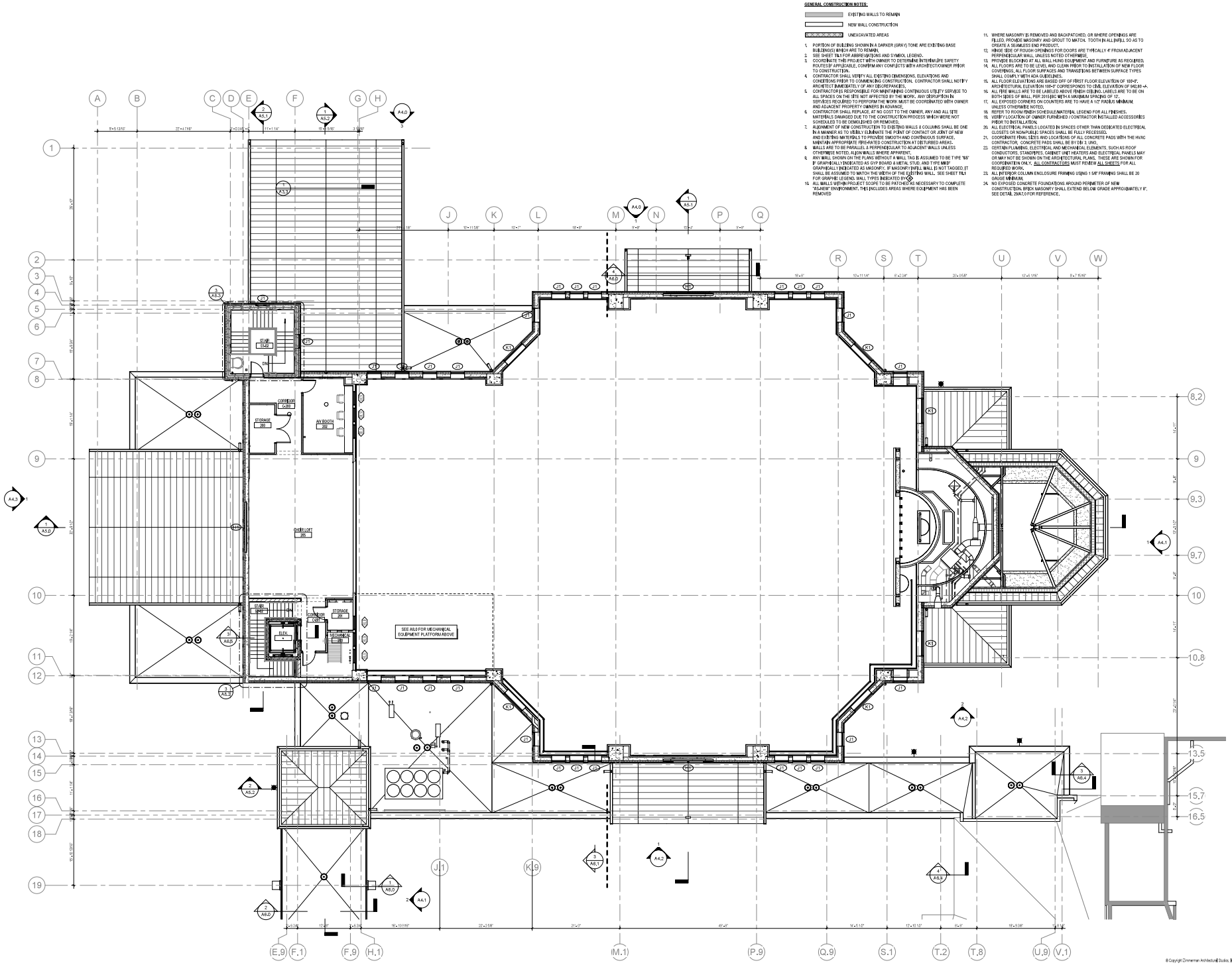
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Key Plan:



Sheet:
CHOIR LOFT FLOOR PLAN - OVERALL

Phase:
Planning Commission Submittal

Scale:
1/8" = 1'-0"

Revisions:

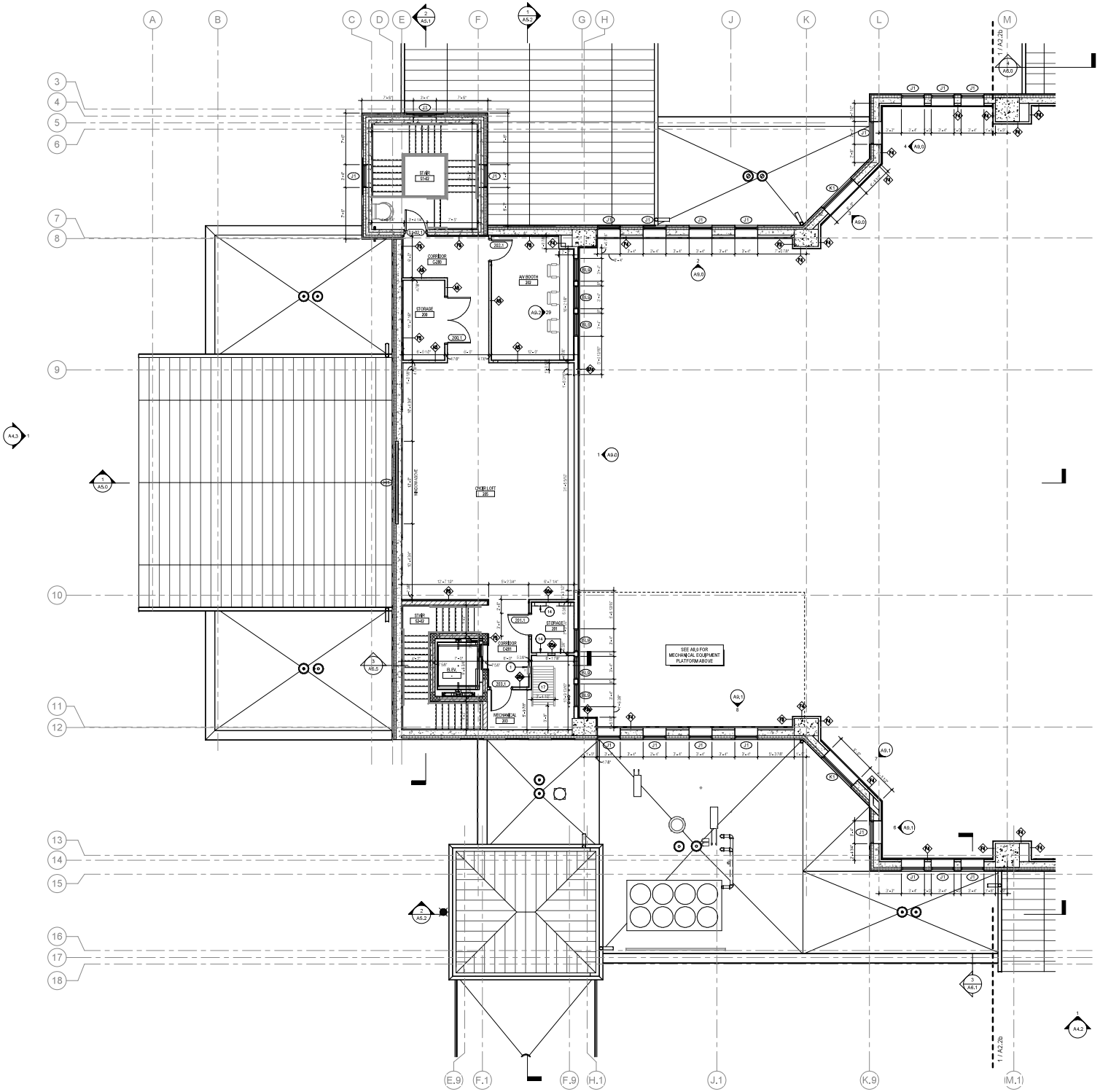
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FLOOR PLAN KEYNOTES	
KEY	KEYNOTE DESCRIPTION
1	FIRE EXTINGUISHER CABINET SEMI-RECESSED (PAINT)
2	FIRE EXTINGUISHER CABINET SURFACE MOUNTED (PAINT)
4	HALOW DRINKING FOUNTAIN WITH BOTTLE FILLER
5	FLOOR MOUNTED UTILITY SINK, SEE PLUMBING DRAWINGS
7	SOLID WOOD CHURCH PEWS BY OWNER
8	METAL GRATING OVER MECHANICAL WELL, SEE STRUCT. DRAWINGS FOR ATTACHMENT.
9	SAFE BY OWNER.
10	HOSE BIB - SEE PLUMBING DRAWINGS
11	GLASS MIRROR BOARD - SEE INT. ELEVATIONS, MATERIAL LEGEND, RFS.
12	ADA RAMP - 1:12 MAX. SLOPE
13	MECHANICAL EQUIP. - SEE MECHANICAL DRAWINGS.
14	ELECTRICAL EQUIP. - SEE ELECTRICAL DRAWINGS.
15	STEEL EXTERIOR PIPE RAILING (PAINTED).
17	SHIPS LADDER FOR MECHANICAL PLATFORM ACCESS.
18	1/2 HEIGHT DOOR FOR TUNNEL ACCESS, SILL AT 5-4" A.F.F, SEE DOOR SCHED.
19	LITURGICAL FURNISHINGS BY OWNER.
20	METAL STUDWORK CURVED WALL & DOME.
21	STEEL PIPE HANDRAIL (PAINTED).

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Key Plan:



Sheet:
CHOIR LOFT - AREA A

Phase:
Planning Commission Submittal

Scale:
3/16" = 1'-0"

Revisions:

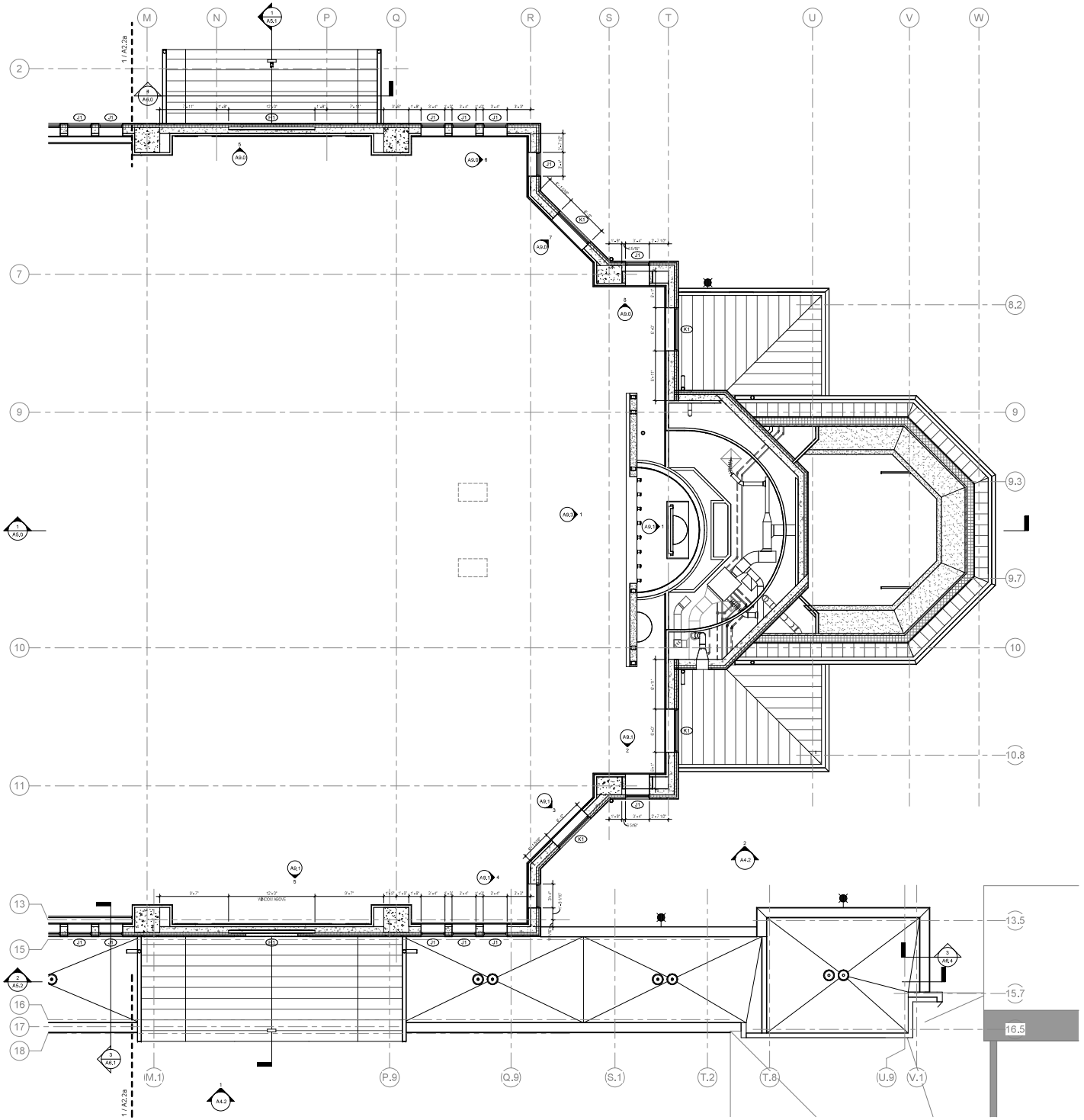
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FLOOR PLAN KEYNOTES	
KEY	KEYNOTE DESCRIPTION
1	FIRE EXTINGUISHER CABINET SEMI-RECESSED (PAINT)
2	FIRE EXTINGUISHER CABINET SURFACE MOUNTED (PAINT)
4	HALOW DRINKING FOUNTAIN WITH BOTTLE FILLER
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7	SOLID WOOD CHURCH PEWS BY OWNER
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10	HOSE BIB - SEE PLUMBING DRAWINGS
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13	MECHANICAL EQUIP. - SEE MECHANICAL DRAWINGS.
14	ELECTRICAL EQUIP. - SEE ELECTRICAL DRAWINGS.
15	STEEL EXTERIOR PIPE RAILING (PAINTED).
17	SHIPS LADDER FOR MECHANICAL PLATFORM ACCESS.
18	1/2 HEIGHT DOOR FOR TUNNEL ACCESS, SEE LAT-S-4' A.F.F, SEE DOOR SCHED.
19	LITURGICAL FURNISHINGS BY OWNER.
20	METAL STUDWAY CURVED WALL & DOME.
21	STEEL PIPE HANDRAIL (PAINTED).

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Hartland, WI 53029

Key Plan:



Sheet:
CHOIR LOFT - AREA B

Phase:
Planning Commission Submittal

Scale:
3/16" = 1'-0"

Revisions:

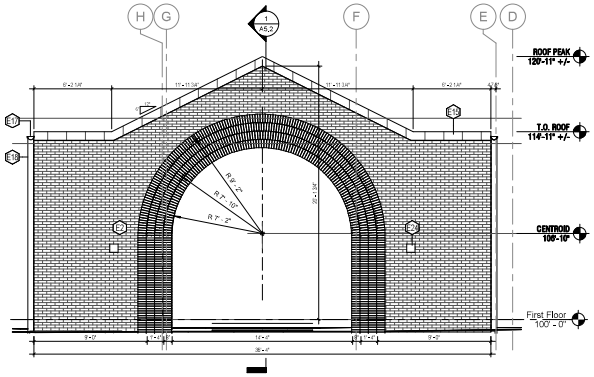
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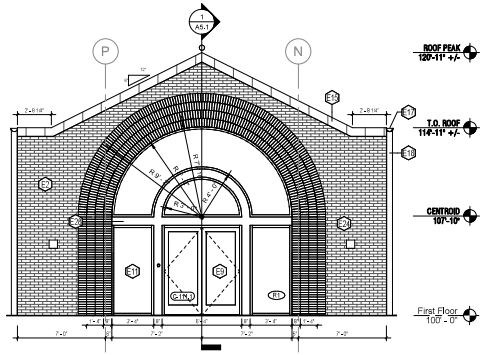
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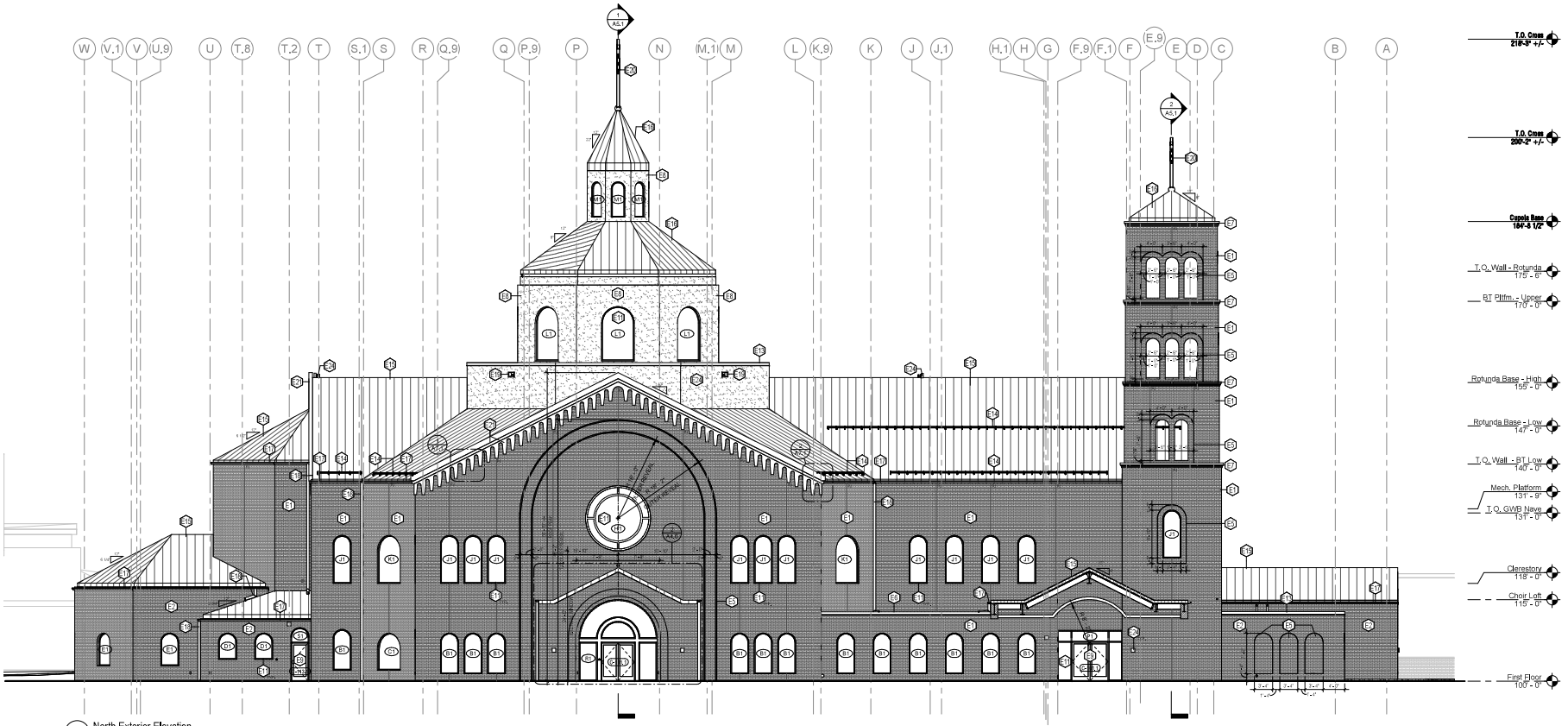


3 NORTH PORTE COCHERE ELEVATION
1/8" = 1'-0"



2 ENLARGED NORTH ENTRY ELEVATION
1/8" = 1'-0"

ELEVATION KEYNOTES	
KEY	KEYNOTE DESCRIPTION
E1	PRECAST CONCRETE WALL PANEL w/ THIN SET MODULAR BRICK MASONRY (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E2	MODULAR BRICK MASONRY /STEEL STUD CAVITY WALL (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E3	MODULAR BRICK MASONRY/STEEL STUD CAVITY WALL (COLOR: MONTEREY - TO MATCH EXISTING SCHOOL)
E4	ASHLAR STONE BATTERED WALL ASSEMBLY - TO MATCH EXISTING
E5	RECESS IN MASONRY - 1"
E6	CAST STONE SILL
E7	CAST STONE CORNICE
E8	EIFS CLADDING
E9	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: MEDIUM BRONZE)
E10	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: CLEAR ANODIZED)
E11	ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (COLOR: MEDIUM BRONZE)
E12	ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (COLOR: CLEAR ANODIZED)
E13	PREFIN. ALUMINUM COPING
E14	PREFINISHED ALUMINUM SNOW GUARD
E15	METAL STANDING SEAM ROOFING SYSTEM (COLOR: TERRACOTTA)
E16	METAL STANDING SEAM ROOFING SYSTEM (COLOR: GOLD)
E17	10' ROUND 0" GUTTER
E18	9" ROUND DOWNSPOUT
E19	OVERFLOW SCUPPER (FLASH PER SMACNA STANDARDS)
E20	CHURCH CROSS - BY OWNER
E21	PYRON DENTIL/CORNICE
E22	MECHANICAL EQUIP. - SEE MECH. DRAWINGS
E23	ELECTRICAL EQUIP. - SEE ELEC. DRAWINGS
E24	LIGHTING FIXTURE - SEE ELEC. DRAWINGS
E25	DECORATIVE BRONZE EXTERIOR DOOR
E26	CMU AND BRICK CAVITY WALL (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E27	PREFIN. ALUM COPING/SOFFIT - PROFILE/COLOR TO MATCH EXIST.
E28	MEDIUM BRONZE BREAKMETAL TO MATCH STOREFRONT OVER METAL STUD w/ SPRAY FOAM CAVITY INSULATION
E29	CLEAR ANODIZED BREAKMETAL TO MATCH STOREFRONT OVER METAL STUD w/ SPRAY FOAM CAVITY INSULATION
E30	PROVIDE FALL PROTECTION ADJACENT TO MECHANICAL EQUIP. MOUNTED TO ROOF DECK.



1 North Exterior Elevation
1/8" = 1'-0"

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St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



Sheet:
EXTERIOR ELEVATIONS - NORTH

Phase:
Planning Commission Submittal

Scale:
As indicated

Revisions:

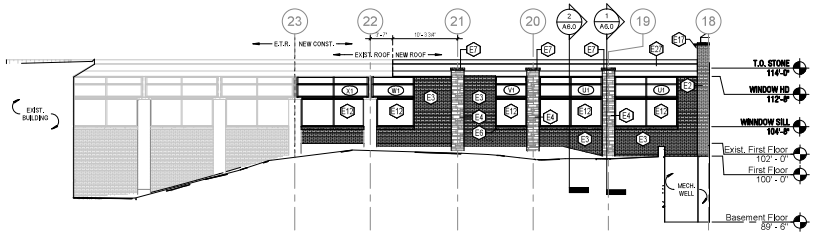
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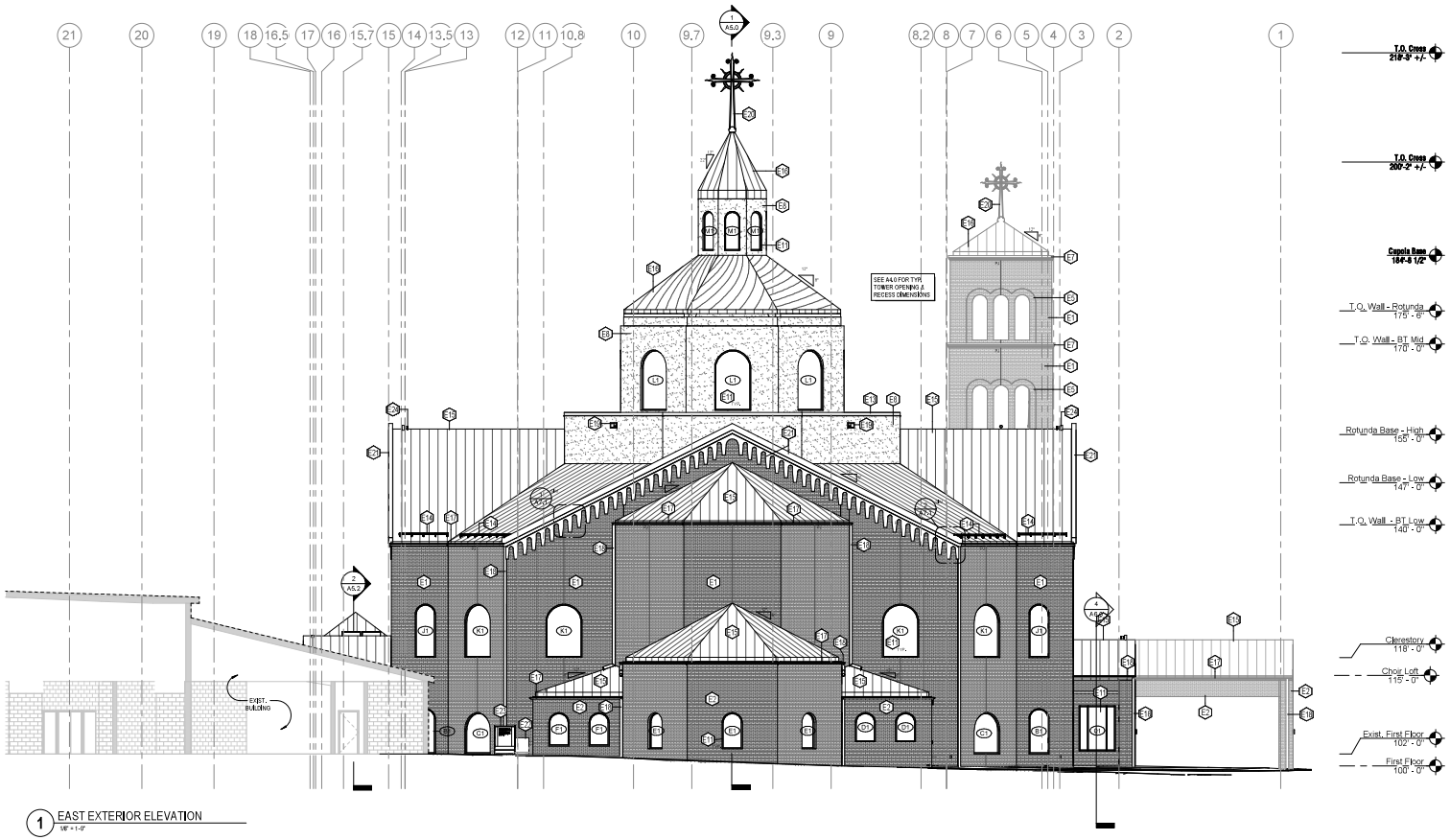
Project No:
160088.01

Sheet No:
A4.0

ELEVATION KEYNOTES	
KEY	KEYNOTE DESCRIPTION
E1	PRECAST CONCRETE WALL PANEL w/ THIN SET MODULAR BRICK MASONRY (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E2	MODULAR BRICK MASONRY/STEEL STUD CAVITY WALL (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E3	MODULAR BRICK MASONRY/STEEL STUD CAVITY WALL (COLOR: MONTEREY - TO MATCH EXISTING SCHOOL)
E4	ASHLAR STONE BATTERED WALL ASSEMBLY - TO MATCH EXISTING
E5	RECESS IN MASONRY - 1"
E6	CAST STONE SILL
E7	CAST STONE CORNICE
E8	EIFS CLADDING
E9	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: MEDIUM BRONZE)
E10	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: CLEAR ANODIZED)
E11	ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (COLOR: MEDIUM BRONZE)
E12	ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (COLOR: CLEAR ANODIZED)
E13	PREFIN. ALUMINUM COPING
E14	PREFINISHED ALUMINUM SNOW GUARD
E15	METAL STANDING SEAM ROOFING SYSTEM (COLOR: TERACOTTA)
E16	METAL STANDING SEAM ROOFING SYSTEM (COLOR: GOLD)
E17	1/2 ROUND 9" GUTTER
E18	6" ROUND DOWNSPOUT
E19	OVERFLOW SCUPPER (FLASH PER SMACNA STANDARDS)
E20	CHURCH CROSS - BY OWNER
E21	PYRON DENTIL/CORNICE
E22	MECHANICAL EQUIP. - SEE MECH. DRAWINGS
E23	ELECTRICAL EQUIP. - SEE ELEC. DRAWINGS
E24	LIGHTING FIXTURE - SEE ELEC. DRAWINGS
E25	DECORATIVE BRONZE EXTERIOR DOOR
E26	CMU AND BRICK CAVITY WALL (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E27	PREFIN. ALUM COPING/SOFFIT - PROFILE/COLOR TO MATCH EXIST.
E28	MEDIUM BRONZE BREAKMETAL TO MATCH STOREFRONT OVER METAL STUD w/ SPRAY FOAM CAVITY INSULATION
E29	CLEAR ANODIZED BREAKMETAL TO MATCH STOREFRONT OVER METAL STUD w/ SPRAY FOAM CAVITY INSULATION
E30	PROVIDE FALL PROTECTION ADJACENT TO MECHANICAL EQUIP. MOUNTED TO ROOF DECK.



2 EAST CORRIDOR C-105 ELEVATION
1/8" = 1'-0"



1 EAST EXTERIOR ELEVATION
1/8" = 1'-0"

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Project:
St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



Sheet:
EXTERIOR ELEVATIONS - EAST

Phase:
Planning Commission Submittal

Scale:
1/8" = 1'-0"

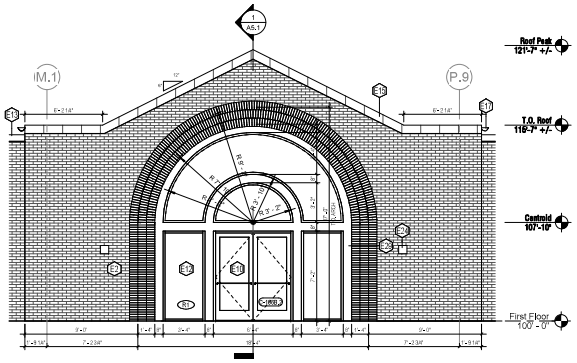
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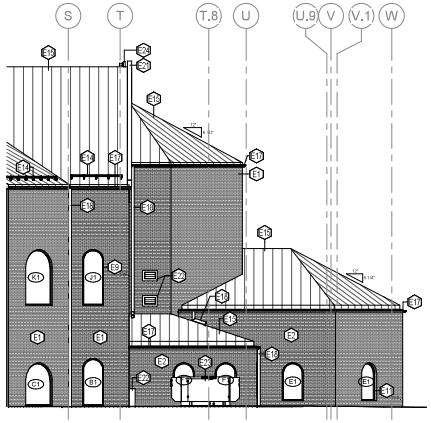
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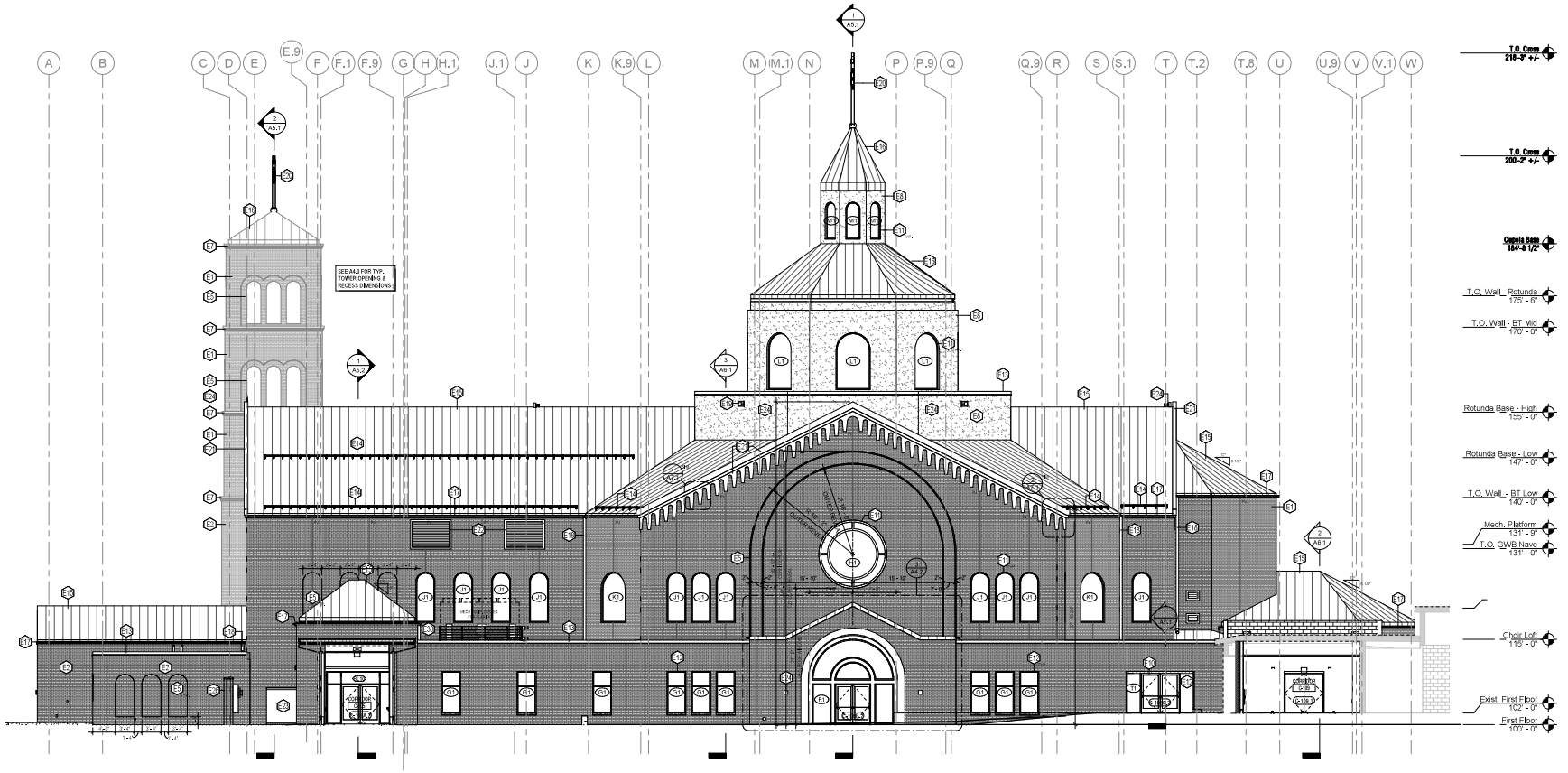


3 ENLARGED SOUTH CLOISTER ENTRY ELEVATION
1/4" = 1'-0"



2 SOUTH ELEVATION @ ALCOVE
1/8" = 1'-0"

ELEVATION KEYNOTES	
KEY	KEYNOTE DESCRIPTION
E1	PRECAST CONCRETE WALL PANEL w/ THIN SET MODULAR BRICK MASONRY (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E2	MODULAR BRICK MASONRY STEEL STUD CAVITY WALL (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E3	MODULAR BRICK MASONRY STEEL STUD CAVITY WALL (COLOR: MONTEREY - TO MATCH EXISTING SCHOOL)
E4	ASHLAR STONE BATTERED WALL ASSEMBLY - TO MATCH EXISTING
E5	RECESS IN MASONRY - 1"
E6	CAST STONE SILL
E7	CAST STONE CORNICE
E8	EIFS CLADDING
E9	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: MEDIUM BRONZE)
E10	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: CLEAR ANODIZED)
E11	ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (COLOR: MEDIUM BRONZE)
E12	ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (COLOR: CLEAR ANODIZED)
E13	PREFIN. ALUMINUM COPING
E14	PREFINISHED ALUMINUM SNOW GUARD
E15	METAL STANDING SEAM ROOFING SYSTEM (COLOR: TERACOTTA)
E16	METAL STANDING SEAM ROOFING SYSTEM (COLOR: GOLD)
E17	10 ROUND 9" GUTTER
E18	9" ROUND DOWNSPOUT
E19	OVERFLOW SCUPPER (FLASH PER SMACNA STANDARDS)
E20	CHURCH CROSS - BY OWNER
E21	PYRON DENTIL/CORNICE
E22	MECHANICAL EQUIP. - SEE MECH. DRAWINGS
E23	ELECTRICAL EQUIP. - SEE ELEC. DRAWINGS
E24	LIGHTING FIXTURE - SEE ELEC. DRAWINGS
E25	DECORATIVE BRONZE EXTERIOR DOOR
E26	CMU AND BRICK CAVITY WALL (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E27	PREFIN. ALUM COPING/SOFFIT - PROFILE/COLOR TO MATCH EXIST.
E28	MEDIUM BRONZE BREAKMETAL TO MATCH STOREFRONT OVER METAL STUD w/ SPRAY FOAM CAVITY INSULATION
E29	CLEAR ANODIZED BREAKMETAL TO MATCH STOREFRONT OVER METAL STUD w/ SPRAY FOAM CAVITY INSULATION
E30	PROVIDE FALL PROTECTION ADJACENT TO MECHANICAL EQUIP. MOUNTED TO ROOF DECK.



1 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"

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Location:
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Hartland, WI 53029

Key Plan:



Sheet:
EXTERIOR ELEVATIONS - SOUTH

Phase:
Planning Commission Submittal

Scale:
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Revisions:

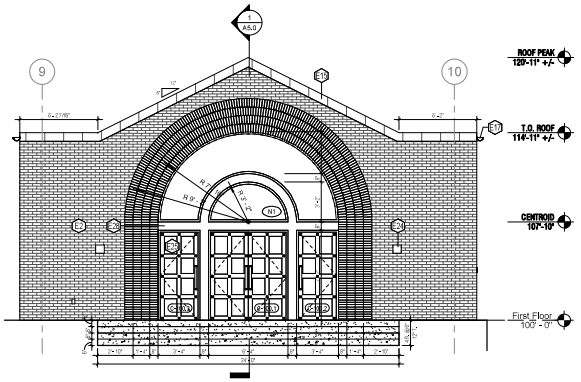
No.	Date	Description

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01.27.20

Project No:
160088.01

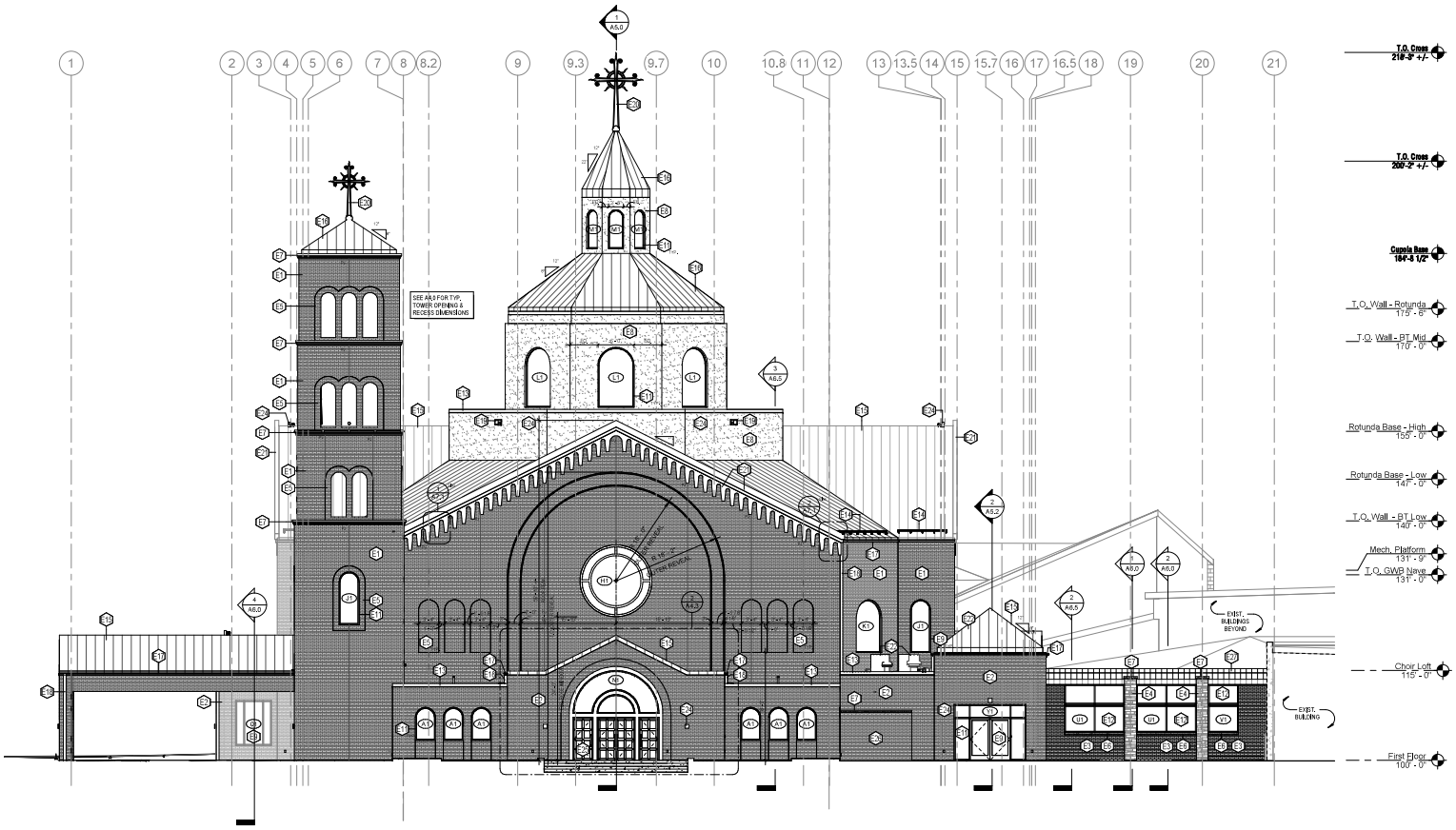
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2 ENLARGED WEST ENTRY ELEVATION
1/8" = 1'-0"

ELEVATION KEYNOTES	
KEY	KEYNOTE DESCRIPTION
E1	PRECAST CONCRETE WALL PANEL w/ THIN SET MODULAR BRICK MASONRY (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E2	MODULAR BRICK MASONRY /STEEL STUD CAVITY WALL (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E3	MODULAR BRICK MASONRY/STEEL STUD CAVITY WALL (COLOR: MONTEREY - TO MATCH EXISTING SCHOOL)
E4	ASHLAR STONE BATTERED WALL ASSEMBLY - TO MATCH EXISTING
E5	RECESS IN MASONRY - 1"
E6	CAST STONE SILL
E7	CAST STONE CORNICE
E8	EIFS CLADDING
E9	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: MEDIUM BRONZE)
E10	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: CLEAR ANODIZED)
E11	ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (COLOR: MEDIUM BRONZE)
E12	ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (COLOR: CLEAR ANODIZED)
E13	PREFIN. ALUMINUM COPING
E14	PREFINISHED ALUMINUM SNOW GUARD
E15	METAL STANDING SEAM ROOFING SYSTEM (COLOR: TERRACOTTA)
E16	METAL STANDING SEAM ROOFING SYSTEM (COLOR: GOLD)
E17	10 ROUND 0" GUTTER
E18	9" ROUND DOWNSPOUT
E19	OVERFLOW SCUPPER (FLASH PER SMACNA STANDARDS)
E20	CHURCH CROSS - BY OWNER
E21	PYPON DENTIL/CORNICE
E22	MECHANICAL EQUIP. - SEE MECH. DRAWINGS
E23	ELECTRICAL EQUIP. - SEE ELEC. DRAWINGS
E24	LIGHTING FIXTURE - SEE ELEC. DRAWINGS
E25	DECORATIVE BRONZE EXTERIOR DOOR
E26	CMU AND BRICK CAVITY WALL (COLOR: TAWNY BEIGE - TO MATCH EXISTING CHURCH)
E27	PREFIN. ALUM COPING/SOFFIT - PROFILE/COLOR TO MATCH EXIST.
E28	MEDIUM BRONZE BREAKMETAL TO MATCH STOREFRONT OVER METAL STUD w/ SPRAY FOAM CAVITY INSULATION
E29	CLEAR ANODIZED BREAKMETAL TO MATCH STOREFRONT OVER METAL STUD w/ SPRAY FOAM CAVITY INSULATION
E30	PROVIDE FALL PROTECTION ADJACENT TO MECHANICAL EQUIP. MOUNTED TO ROOF DECK.



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Key Plan:



Sheet:
EXTERIOR ELEVATIONS - WEST

Phase:
Planning Commission Submittal

Scale:
As indicated

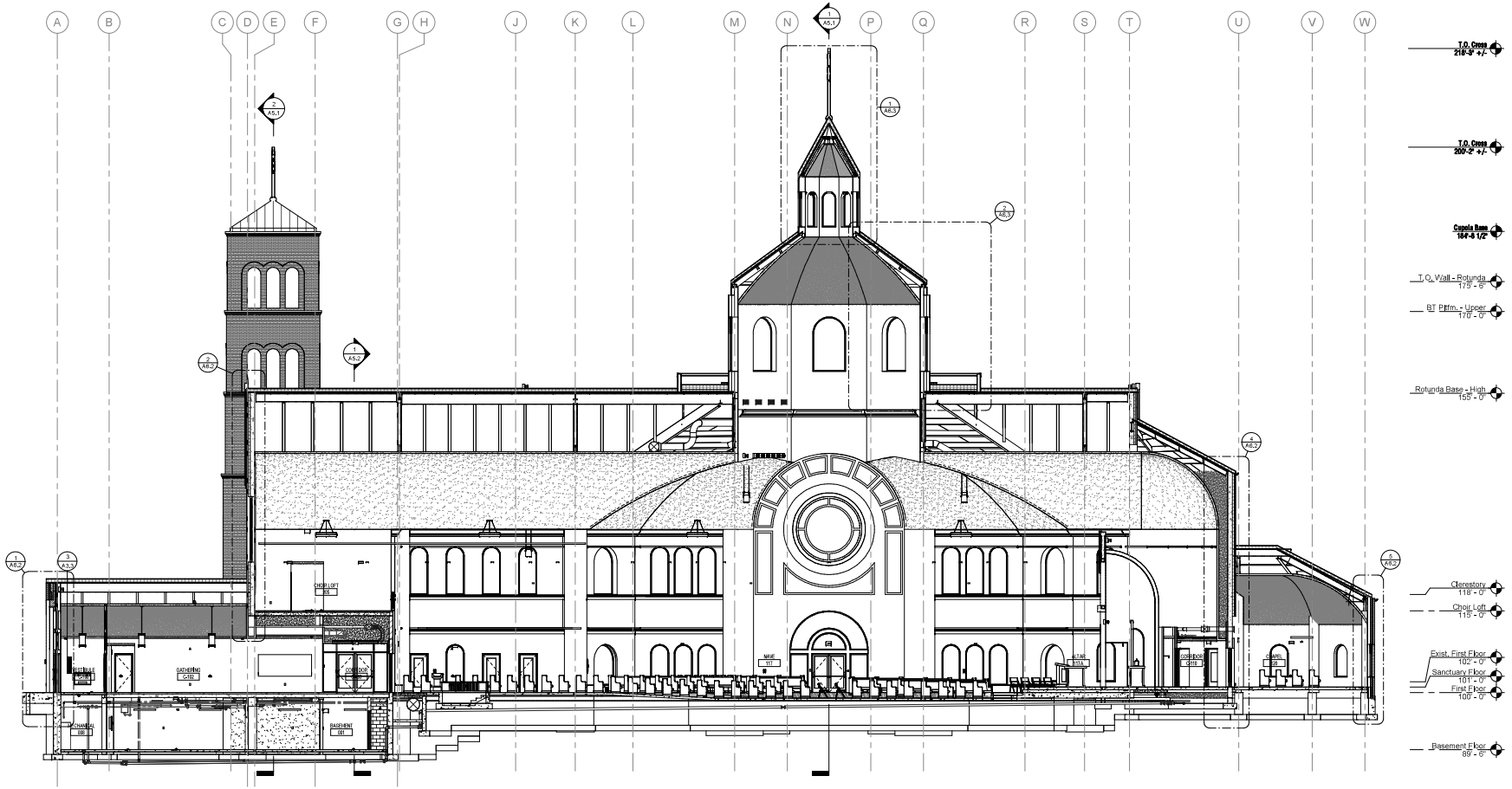
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Sheet:

BUILDING SECTIONS

Phase:
Planning Commission Submittal

Scale:
1/8" = 1'-0"

Revisions:

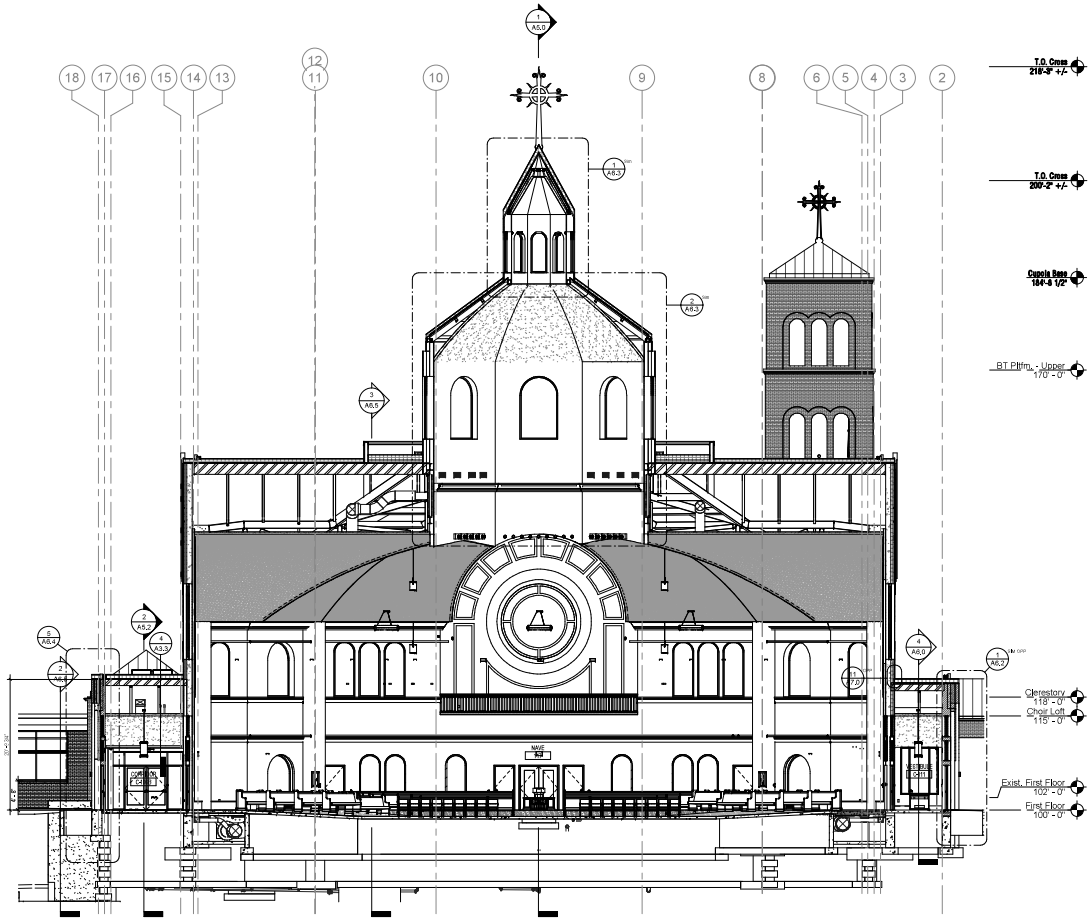
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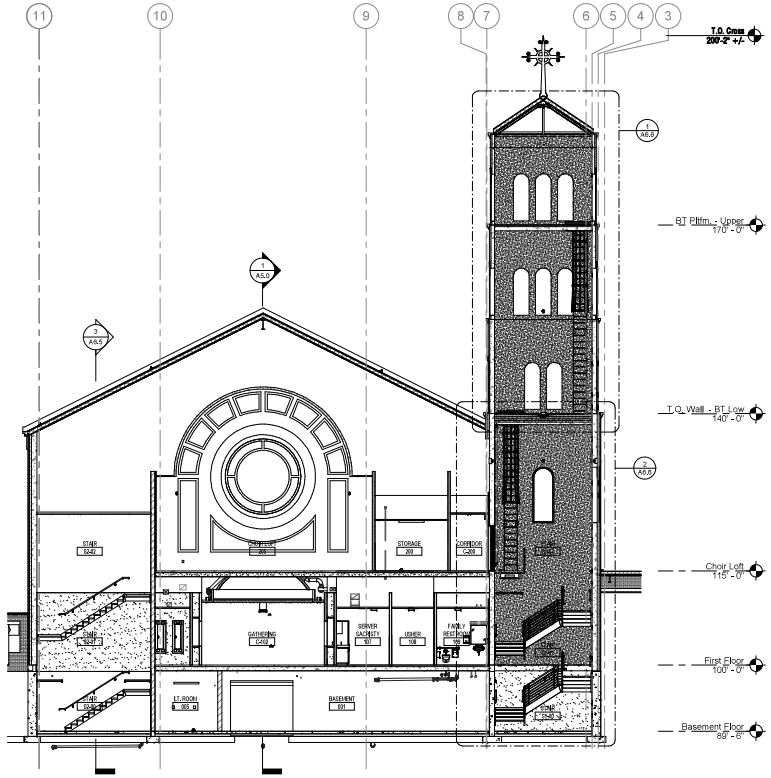
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1 N-S BUILDING SECTION 01
1/8" = 1'-0"



2 SECTION @ BELL TOWER/STAIR
1/8" = 1'-0"

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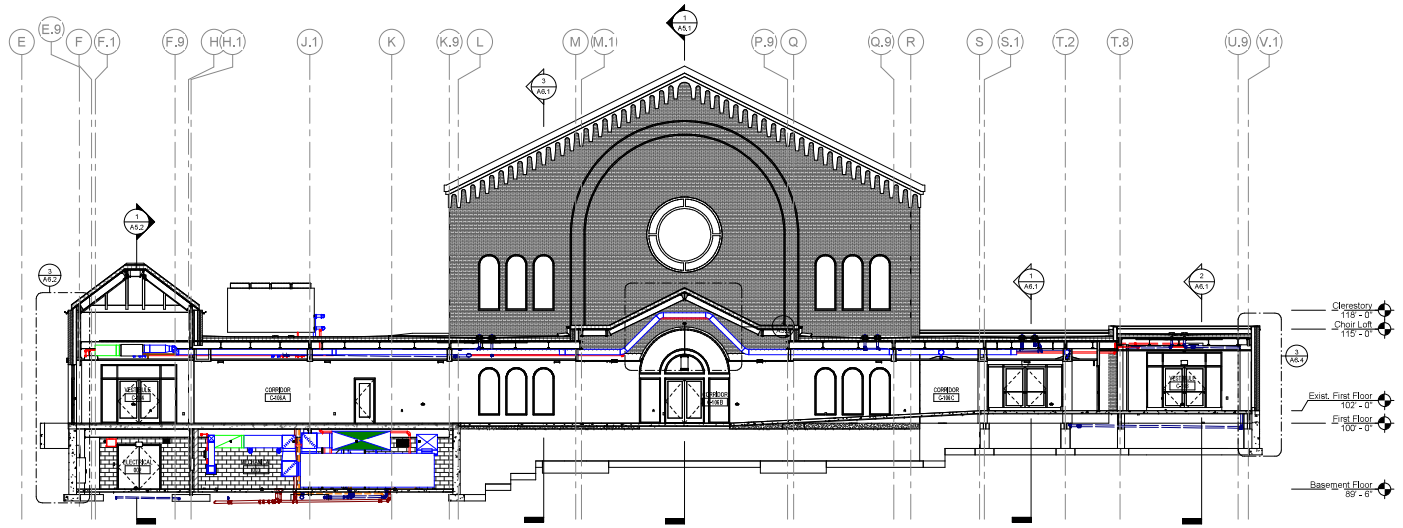
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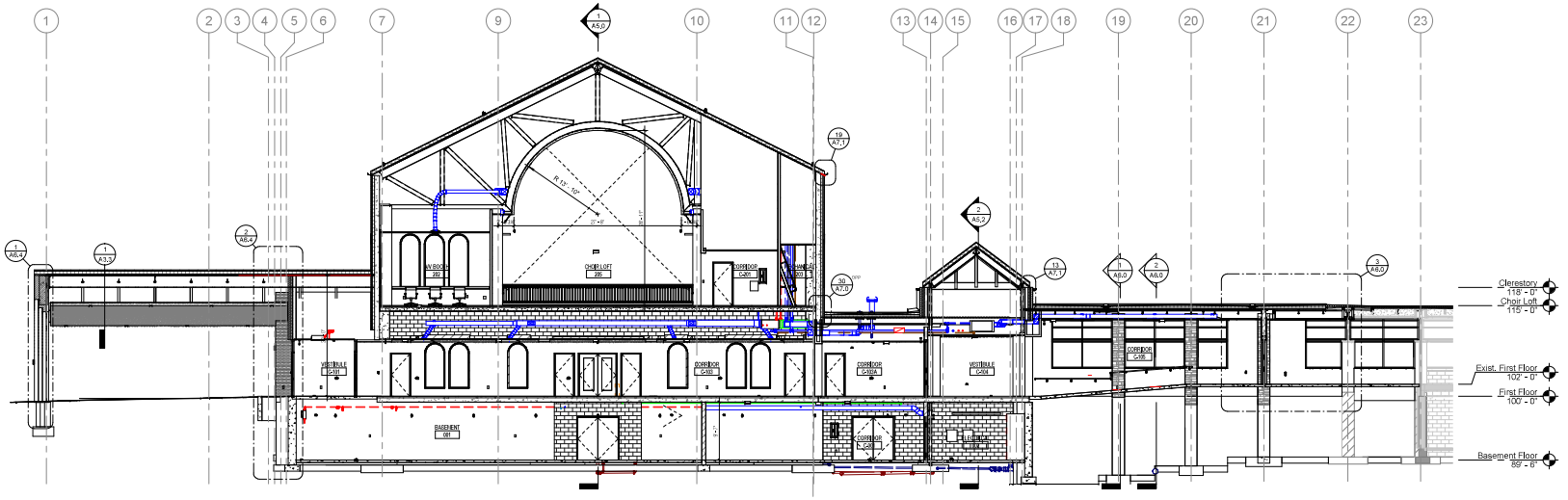
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2 SECTION @ CORRIDOR C-104
1/8" = 1'-0"



1 SECTION @ CORRIDOR C-103
1/8" = 1'-0"

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Sheet:
BUILDING SECTIONS

Phase:
Planning Commission Submittal

Scale:
1/8" = 1'-0"

Revisions:

No.	Date	Description

Date:
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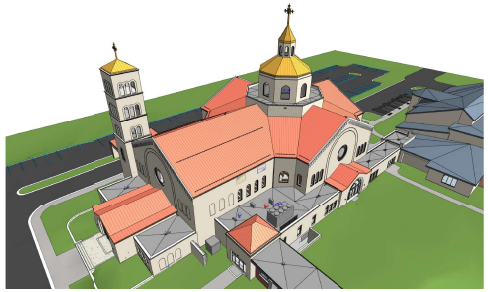
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8 Bird's Eye Southwest (Perspective)



7 Bird's Eye Southeast (Perspective)



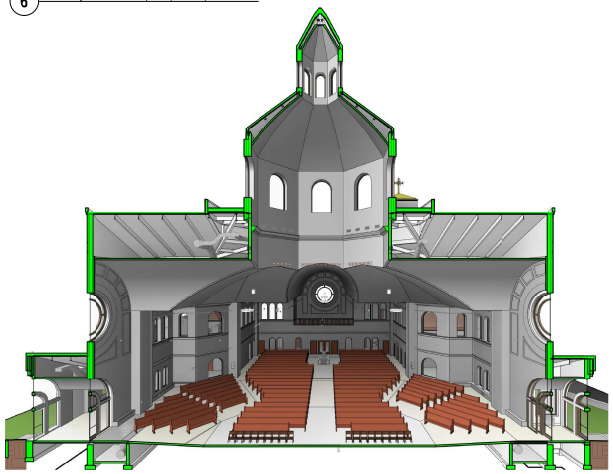
6 Bird's Eye Northeast (Perspective)



5 Nave Entry Perspective (Looking West)



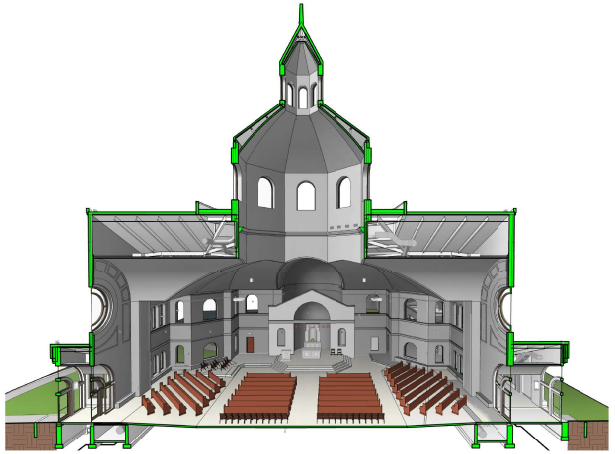
4 Altar Perspective (Looking East)



3 N-S Section Perspective (Looking East)



2 E-W Section Perspective (Looking North)



1 N-S Section Perspective (Looking West)

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RENDERINGS

Phase:
Planning Commission Submittal

Scale:

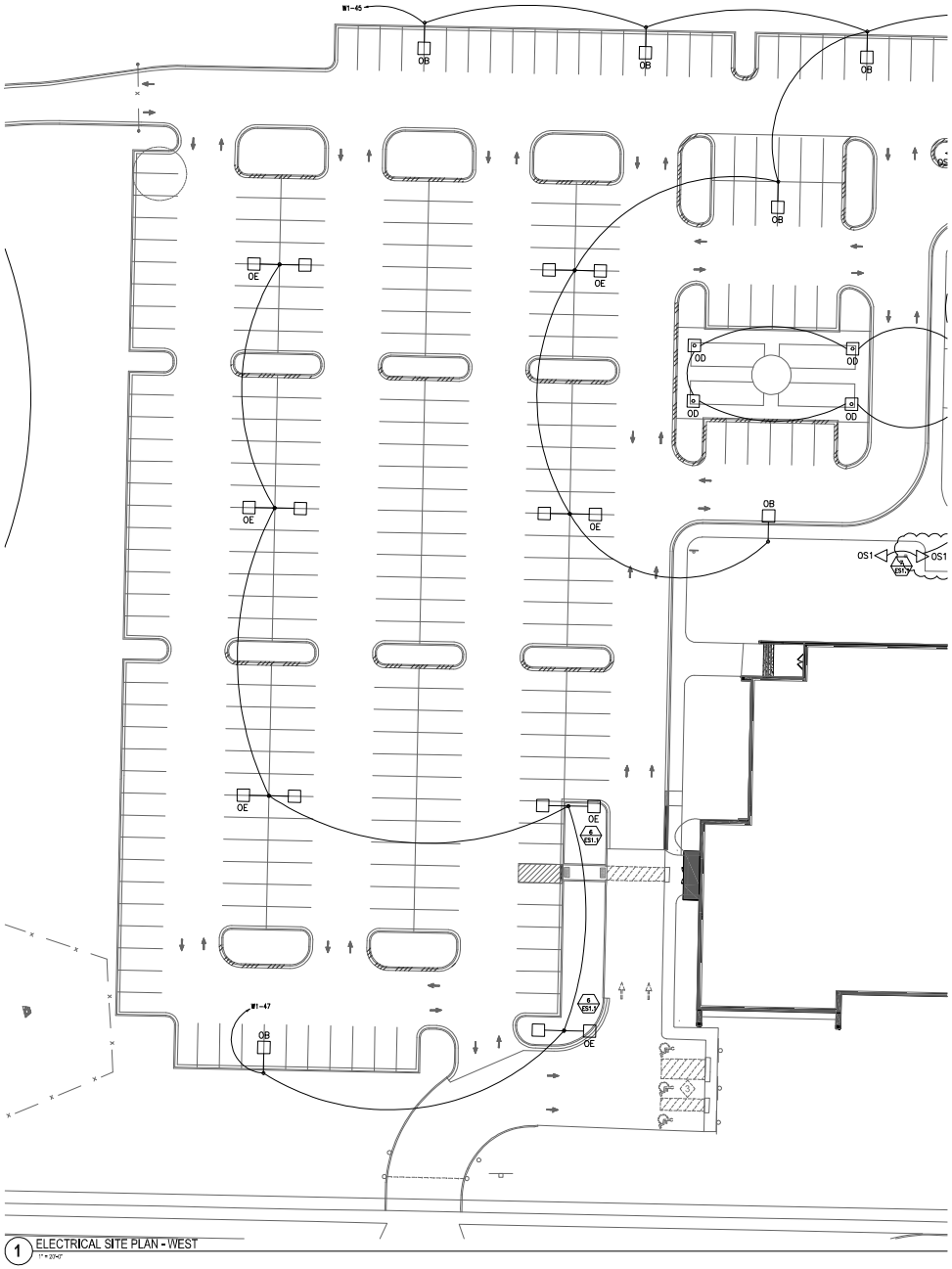
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2.04.20

Project No:
160088.01

Sheet No:
R1.0



1 ELECTRICAL SITE PLAN - WEST
1" = 20'-0"

LIGHTING FIXTURE SCHEDULE

DES.	DESCRIPTION	LED DATA: TYPE/LUMEN/KELVIN	WATTS	VOLT	DEPTH	LIGHTING FIXTURE: MFR.	SERIES	OPTIONS/ACCESSORIES	DRIVER TYPE	MTG.	MTG. SURF	SEE NOTE LF__
OB	SINGLE LUMINAIRE ON 25'H RND. POLE, 3'H AFG BASE BARREL PROFILE, TYPE III DIST.	LED MODULE 11300L 4000K	130W	UNV	–	KIM	1A-AR3-120L-LS -TL SERIES	09,10,26 POLE RECEPTACLE	DDRV	SURF	CONC BASE	
OC	SINGLE LUMINAIRE ON 25'H RND. POLE, 3'H AFG BASE BARREL PROFILE, TYPE IV DIST.	LED MODULE 11950L 4000K	130W	UNV	–	KIM	1A-ARA-120L-LS -TL SERIES	09,10,26 POLE RECEPTACLE	DDRV	SURF	CONC BASE	
OD	SINGLE POST-TOP LUMINAIRE ON 16'H RND. POLE, 3'H AFG BASE DARK PROFILE, TYPE V DIST.	LED MODULE 7000L 4000K	65W	UNV	–	KIM	UR20-24L-65-2 -CLR-TL SERIES	09,10,26 POLE RECEPTACLE	DDRV	SURF	CONC BASE	8
OE	180DEG DOUBLE LUMINAIRE ON 25'H RND. POLE, 3'H AFG BASE BARREL PROFILE, TYPE V DIST.	LED MODULE 11300L EA. 4000K	130W EA.	UNV	–	KIM	2B-AR3-120L-LS -TL SERIES	09,10,26 POLE RECEPTACLE	DDRV	SURF	CONC BASE	
OF	180DEG DOUBLE LUMINAIRE ON 25'H RND. POLE, 3'H AFG BASE BARREL PROFILE, TYPE V DIST.	LED MODULE 11950L EA. 4000K	130W EA.	UNV	–	KIM	1A-ARA-120L-LS -TL SERIES	09,10,26 POLE RECEPTACLE	DDRV	SURF	CONC BASE	
OS1	SINGLE ADJUST GRND MTD FLOOD TYPE, SHORT DIMMABLE	LED MODULE 1170L 4000K	12W	UNV	–	ECOSENSE	FDBO-1R-HO-15- -RF SERIES	09,10,27	DDRV	SURF	CONC BASE	
OS2	SINGLE ADJUST GRND MTD FLOOD TYPE, DEEP LOUVER, FULL SHOOT, DIMMABLE	LED MODULE 1170L 4000K	12W	UNV	–	ECOSENSE	FDBO-1R-HO-60- -RF SERIES	09,10,27	DDRV	SURF	CONC BASE	
OS3	DOUBLE ADJUST GRND MTD FLOOD BIDIRECTIONAL FLOOD OPTIC, FULL SHOOT, DIMMABLE	LED MODULE 1170L EA. 4000K	12W EA.	UNV	–	ECOSENSE	FDBO-2V-HO-60- -RF SERIES	09,10,27	DDRV	SURF	CONC BASE	

ABBREVIATIONS:

EXP	EXPOSED STRUCTURE	REC	RECESSED	WM	WALL MOUNTED	STD	STANDARD
LG	LAY-IN GRID	SURF	SURFACE	GRD	GROUND	SPEC	SPECIAL
GYP	GYPSUM BOARD	PEND	PENDANT	CONC	BASE/CONCRETE BASE	AR	AS REQUIRED
VER	VERIFY	AC	AIRCRAFT CABLE SUSP.	MTD	MOUNTED	NA	NOT APPLICABLE

VAR	VARIES		
LAS	LENGTH AS		
DRV	DRIVER		
DDRV	LED DIMMABLE DRIVER		

OPTIONS/ACCESSORIES CODE LISTING:

01. Ø.125" PATTERN 12 ACRYLIC LENS
02. Ø.156" PATTERN 19 ACRYLIC LENS
03. FLUSH STEEL DOOR FRAME
04. FLUSH ALUMINUM DOOR FRAME
05. SEMI-SPECULAR REFLECTOR
06. LOW IRIDESCENT REFLECTOR
07. REFLECTOR MATCHING TRIM RING
08. DAMP LOCATION LISTED
09. WET LOCATION LISTED
10. STD. FINISH TO BE SELECTED BY ARCHITECT
11. CUSTOM COLOR
12. FURNISH w/ CHAIN HANGERS
13. FURNISH w/ STEM/SWIVEL CANOPY
14. FURNISH w/ AIRCRAFT CABLE
15. FURNISH w/ NEMA HOOK, CORD & PLUG
16. FURNISH w/ SAFETY CHAIN
17. FURNISH w/ WIREGUARD
18. FURNISH w/ AUXILIARY EMERGENCY DRIVER
19. FURNISH w/ INTEGRAL PHOTOCELL
20. FURNISH WITH UNIVERSAL ARROWS AND RED STENCIL FACE
21. FURNISH w/ LEAD CALCIUM BATTERY
22. FURNISH w/ NICAD BATTERY
23. FURNISH w/ SELF-DIAGNOSTICS
24. FURNISH w/ LED DRIVER NON-DIMMED
25. FURNISH w/ LED DRIVER STEP-DIMMED
26. FURNISH w/ LED DRIVER, DIMMABLE TO 10%
27. FURNISH w/ LED DRIVER, DIMMABLE TO 5%
28. FURNISH w/ LED DRIVER, DIMMABLE TO 1%
29. FURNISH w/ LED DRIVER, DIMMABLE TO 0.1%
30. FURNISH w/ PAINT AFTER FABRICATION

LIGHTING FIXTURE SCHEDULE NOTES:

NOTES LF1 – LF7 ARE GENERAL NOTES APPLICABLE TO ENTIRE LIGHTING FIXTURE SCHEDULE WHERE APPROPRIATE.

LF1 – PROVIDE ALL PAINTED FIXTURES WITH PAINT AFTER FABRICATION.

LF2 – PROVIDE ALL NECESSARY COMPONENTS AND ACCESSORIES FOR A COMPLETE OPERATING INSTALLATION PER APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.

LF3 – CONTRACTOR SHALL REVIEW THE ENTIRE LIGHTING FIXTURE SCHEDULE INCLUDING THE DESCRIPTION AND CATALOG NUMBER. CONTRACTOR SHALL NOTIFY THE A/E OF ANY DISCREPANCIES PRIOR TO BIDDING.

LF4 – VERIFY ALL FINISHES/COLORS OF FIXTURES WITH A/E PRIOR TO ORDERING.

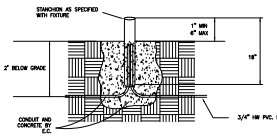
LF5 – FIELD VERIFY THE EXACT LOCATION OF ALL SURFACE MOUNTED FIXTURES TO AVOID CONFLICT WITH LANDSCAPE/SITE FEATURES. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE A/E PRIOR TO ROUGH IN.

LF6 – PROVIDE (1) EXTRA LED MODULE AND LED DRIVER OF EACH TYPE INDICATED IN LIGHT FIXTURE SCHEDULE AND TURN OVER TO OWNER.

LF7 – LIGHT FIXTURES SPECIFIED ESTABLISH A LEVEL OF QUALITY WHICH SHALL BE MET BY ALL FIXTURES PROVIDED. FIXTURES SHALL BE COMPARABLE IN PERFORMANCE, CONSTRUCTION, PHYSICAL APPEARANCE, FINISH AND FEATURES IN ORDER TO BE CONSIDERED EQUIVALENT. FIXTURES NOT DEEMED "EQUIVALENT" MAY NOT BE SUBMITTED AS AN "ALTERNATE" OR "SUBSTITUTE" FIXTURE TO THAT WHICH WAS SPECIFIED. DETERMINATION OF "EQUIVALENCY" SHALL BE THE RESPONSIBILITY OF A/E. THERE SHALL BE NO ADDITIONAL COST ASSOCIATED WITH REJECTION OF A FIXTURE NOT DEEMED "EQUIVALENT" BY THE A/E.

LF8 – FOR SHADED FIXTURES, REFER TO UL924 DIMMING TRANSFER RELAY DETAIL.

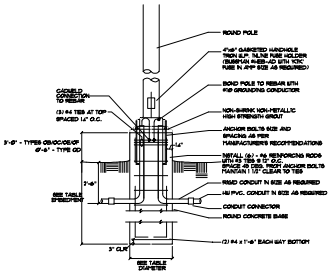
LF9 – PROVIDE GFI DUPLEX RECEPTACLE WITH METAL WHILE-IN-USE COVER APPROXIMATELY 1'-6" FROM BOTTOM OF POLE.



3 ES1.0 GROUND MOUNTED LIGHTING FIXTURE DETAIL
NTS

NOTES

1. CONDUIT TO JUNCTION BOX SHALL BE SET INTO CONCRETE BASE.
2. ALL ELECTRICAL CONNECTIONS SHALL BE PREWIRED TO THE JUNCTION BOX. ALL JUNCTION BOX CABLE ENTRANCES SHALL BE WATERTIGHT.
3. ALL MOUNTING HARDWARE SHALL BE CORROSION RESISTANT.
4. ALL FIXTURES IN THE SAME AREA SHALL BE AT THE SAME ELEVATION.



2 ES1.0 POLE BASE DETAIL
NTS

NOTES:
1. DIMENSIONS GIVEN ARE MINIMUM. PROVIDE POLE BASE DIAMETER AND DEPTH AS REQUIRED IN ACCORDANCE WITH LOCAL SOIL AND WIND VELOCITY CONDITIONS.
2. ALL LIGHTING POLE CONCRETE BASES SHALL BE LOCATED A MINIMUM OF 12 INCHES OFF THE BACK OF THE CURBING EDGE OR SIDEWALK AS CONDITIONS WITHIN AN ISLAND. IN ALL CASES, HOWEVER, FINAL LOCATIONS OF LIGHTING POLES MUST BE VERIFIED WITH THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
3. ALL DIMENSIONS POLE BASE ARE FOR BIDDING ONLY. POLE BASE SHALL MATCH THOSE AT EXISTING POLES, IF APPLICABLE.

POLE HEIGHT	BASE DIAMETER/DEPTH 1 HEAD	2 HEAD	3 HEAD	4 HEAD
15'-0"	6'-3"/7'-0"	6'-9"/7'-0"	6'-9"/7'-0"	6'-9"/7'-0"
20'-0"	6'-3"/7'-0"	6'-9"/7'-0"	7'-6"/7'-0"	8'-0"/7'-0"
25'-0"	6'-3"/7'-0"	8'-0"/7'-0"	9'-6"/7'-0"	10'-0"/7'-0"
30'-0"	8'-0"/7'-6"	10'-0"/7'-6"	10'-6"/7'-6"	10'-6"/7'-6"

NOTES:
1. TABLE IS BASED ON SOIL BEARING PRESSURE OF 3000 PSF, AND A LATERAL BEARING PRESSURE OF 300 PSF/FT.

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Location:
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Hartland, WI 53029

Key Plan:



Sheet:
ELECTRICAL SITE PLAN - WEST

Phase:
Plan Commission Submittal

Scale:

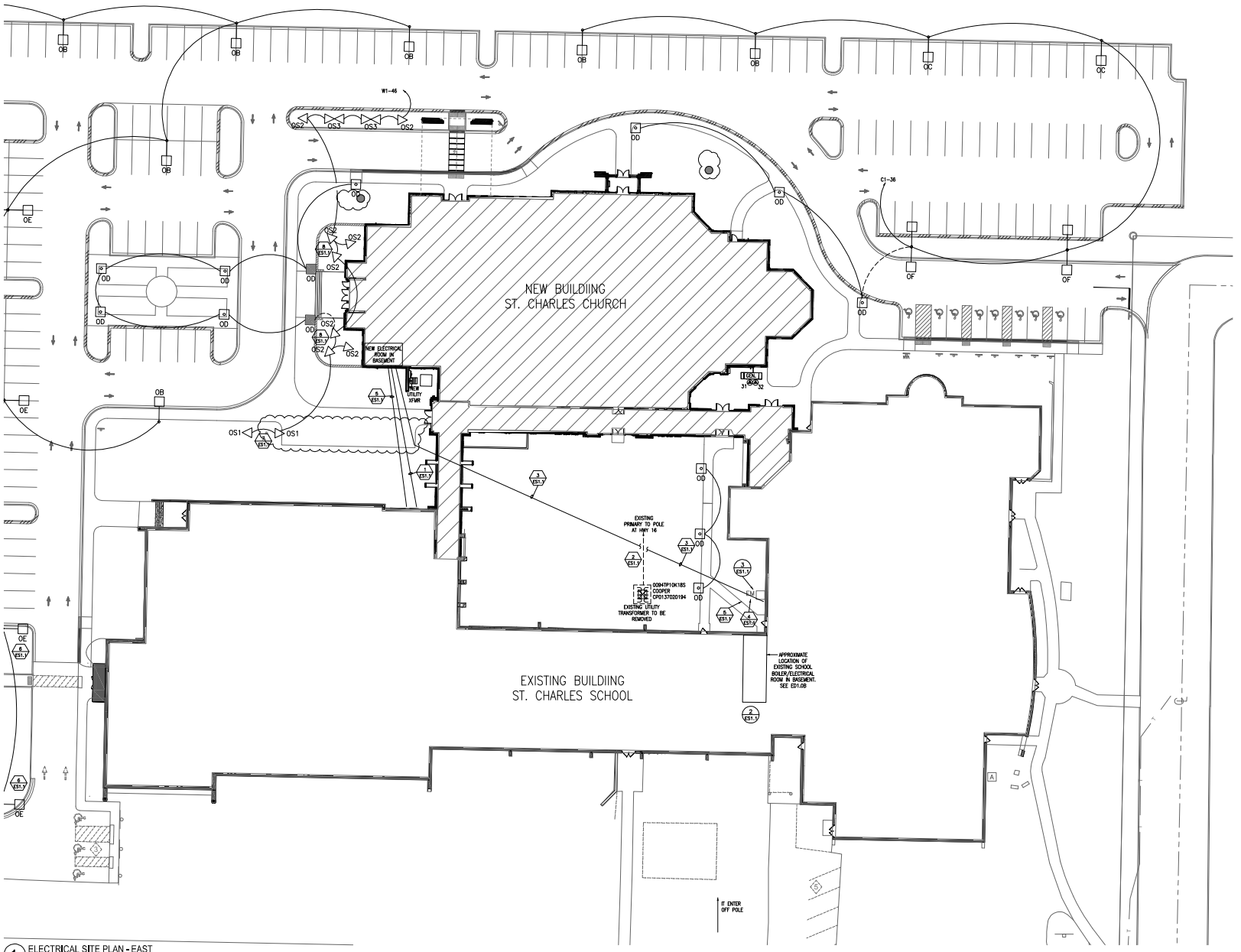
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1 ELECTRICAL SITE PLAN - EAST
1" = 20'-0"



2 ES1.1 EXISTING METER & WEST MDP DISCONNECT
NO SCALE

NOTES:
1. REMOVE ALL WIRING & EQUIPMENT.



3 ES1.1 EXISTING DISCONNECT SERVING EAST MDP
NO SCALE

NOTES:
1. REMOVE ALL EQUIPMENT. REPLACE WITH A 24"X24"X36" DEEP GROUND MOUNTED PULL BOX.

4 ES1.1 PLAN NOTES:

1. APPROXIMATE ROUTE OF NEW FEEDER TO EXISTING WEST BUILDING MDP. SEE SHEET ED1.0A FOR MDP LOCATION AND SEE RISER DIAGRAM.
2. COORDINATE/COMMUNICATE WITH WE ENERGIES FOR REMOVAL OF TRANSFORMER AND EXISTING PRIMARY FEEDER TO TRANSFORMER. PROVIDE TEMPORARY SERVICE TO EXISTING BUILDINGS AS NEEDED TO KEEP CONTINUOUS OPERATIONS THROUGH CONSTRUCTION.
3. APPROXIMATE ROUTE OF NEW FEEDER TO EXISTING EAST BUILDING MDP. SEE SHEET ED1.0B FOR MDP LOCATION AND SEE RISER DIAGRAM.
4. EXISTING METER & 800A DISCONNECT. DISCONNECT FEEDS EXISTING WEST MDP. SEE SHEET ED1.0A.
5. TWO 4" CONDUITS FOR TELECOMMUNICATIONS. SEE BASEMENT PLANS FOR CONTINUATION INTO BUILDINGS.
6. AT THIS APPROXIMATE LOCATION, E.C. SHALL PROPERLY DISCONNECT, REMOVE (INCLUDING CONCRETE BASE), AND TURN OVER TO THE OWNER THE EXISTING POLE FIXTURE. IF OWNER DOES NOT WANT THIS ITEM, E.C. SHALL PROPERLY DISPOSE OF. PROVIDE NEW POLE FIXTURE AS SHOWN ON THE PLAN.
7. MOUNT AT LOCATIONS SHOWN ON PLAN APPROXIMATELY 3'-0" FROM FLAG POLE; AIM UPWARDS TO ILLUMINATE FLAG.
8. MOUNT (1) FIXTURE EVERY 120DEG AROUND BASE OF TREE CENTERED APPROXIMATELY BETWEEN TRUNK AND OUTER EDGE OF CANOPY (WHEN TREE IS FULL GROWN); AIM UPWARDS TO ILLUMINATE FOLIAGE.
9. MOUNT AT LOCATIONS SHOWN ON PLAN. OUTER FIXTURES SHALL BE CENTERED APPROXIMATELY BETWEEN TRUNK AND OUTER EDGE OF CANOPY (WHEN TREE IS FULL GROWN). INNER FIXTURES SHALL BE CENTERED BETWEEN TREE TRUNKS. AIM ALL FIXTURE UPWARDS TO ILLUMINATE FOLIAGE.

GENERAL NOTES:

1. ALL EXTERIOR BUILDING MOUNTED AND SITE LIGHTING SHALL BE CONTROLLED VIA THE LUTRON QUANTUM NETWORKED DIMMING CONTROL SYSTEM. CONTACT RANDY JANICEK, ENGINEERED REPRESENTATION, 262-542-6285.
2. E.C. SHALL PROPERLY DISCONNECT, REMOVE (INCLUDING CONCRETE BASES), AND TURN OVER TO THE OWNER ALL EXISTING POLE FIXTURES AND OTHER SITE LIGHTING AFFECTED BY THIS ADDITION. IF OWNER DOES NOT WANT THESE ITEMS, E.C. SHALL PROPERLY DISPOSE OF.

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Sheet:
ELECTRICAL SITE PLAN - EAST

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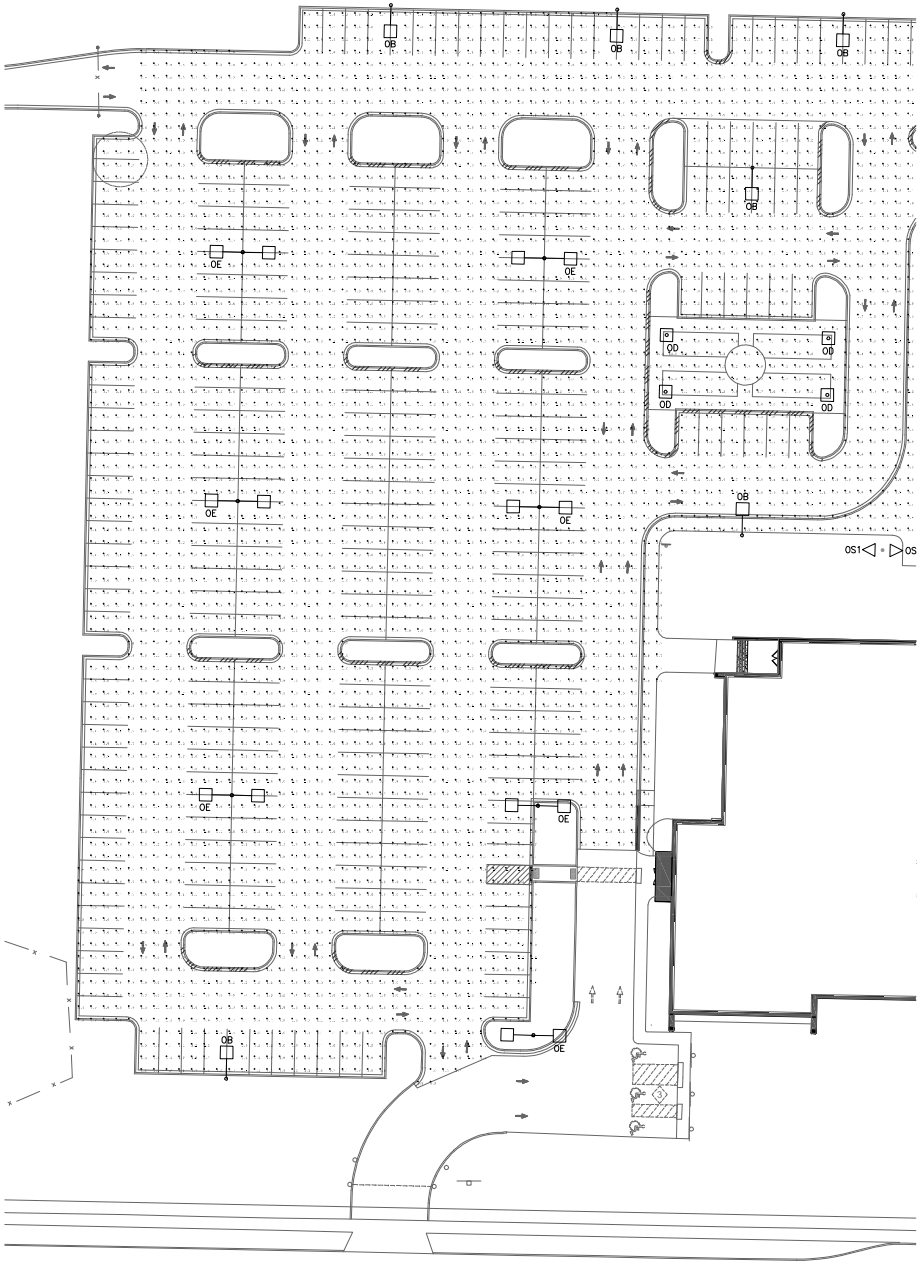
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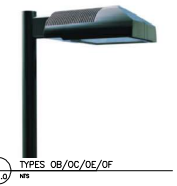
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ES1.1



1 ELECTRICAL SITE PLAN - WEST
1" = 20'-0"

NOTES

1. 1.78fc AVG, 10.0fc MAX, 0.3fc MIN, 35.33:1 MAX/MIN.
2. TYPE OS1, OS2 AND OS3 GROUND MOUNTED FLOODLIGHTS, AS WELL AS ALL OTHER BUILDING MOUNTED LIGHTING (SHOWN ON THE FLOOR PLANS) WERE NOT INCLUDED IN THE PHOTOMETRIC CALCULATION.



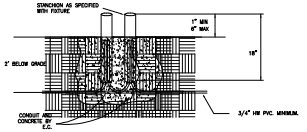
6 ES1.0 TYPES OB/OC/OE/OF
NTS



5 ES1.0 TYPES OS1/OS2/OS3
NTS



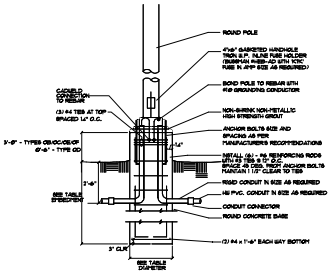
4 ES1.0 TYPE OD
NTS



3 ES1.0 GROUND MOUNTED LIGHTING FIXTURE DETAIL
NTS

NOTES

1. CONDUIT TO JUNCTION BOX SHALL BE SET INTO CONCRETE BASE.
2. ALL ELECTRICAL CONNECTIONS SHALL BE PROVIDED TO THE JUNCTION BOX. ALL JUNCTION BOX CABLE ENTRANCES SHALL BE WATERTIGHT.
3. ALL MOUNTING HARDWARE SHALL BE CORROSION RESISTANT.
4. ALL FIXTURES IN THE SAME AREA SHALL BE AT THE SAME ELEVATION.



2 ES1.0 POLE BASE DETAIL
NTS

NOTES:
1. DIMENSIONS GIVEN ARE MINIMUM. PROVIDE POLE BASE DIAMETER AND DEPTH AS REQUIRED IN ACCORDANCE WITH LOCAL SOIL AND WIND VELOCITY CONDITIONS.
2. ALL LIGHTING POLE CONCRETE BASES SHALL BE LOCATED A MINIMUM OF 12 INCHES OFF THE FACE OF THE CURBING EDGE OF SIDEWALK OR CENTERED WITHIN AN ISLAND. IN ALL CASES, HOWEVER, FINAL LOCATIONS OF LIGHTING POLES MUST BE VERIFIED WITH THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
3. ALL DIMENSIONS POLE BASE ARE FOR BIDDING ONLY. POLE BASE SHALL MATCH THOSE AT EXISTING POLES, IF APPLICABLE.

POLE HEIGHT	BASE DIMENSIONS/DEPTH			
	1 HEAD	2 HEAD	3 HEAD	4 HEAD
15'-0"	6'-5"/2'-6"	6'-5"/2'-6"	6'-5"/2'-6"	6'-5"/2'-6"
20'-0"	6'-5"/2'-6"	6'-5"/2'-6"	6'-6"/2'-6"	6'-6"/2'-6"
25'-0"	6'-5"/2'-6"	6'-6"/2'-6"	7'-6"/2'-6"	10'-6"/2'-6"
30'-0"	6'-6"/2'-6"	7'-6"/2'-6"	10'-6"/2'-6"	10'-6"/2'-6"

NOTES:
1. TABLE IS BASED ON SOIL BEARING PRESSURE OF 3000 PSF AND A LATERAL BEARING PRESSURE OF 300 PSF/FT.

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Consultant:

Harwood Engineering Consultants
255 North 21st Street | Milwaukee, WI 53233

Project:

St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:

CITY REVIEW
ELECTRICAL SITE PLAN
- WEST

Phase:

Plan Commission Submittal

Scale:

Revisions:

No.	Date:	Description:

Date:

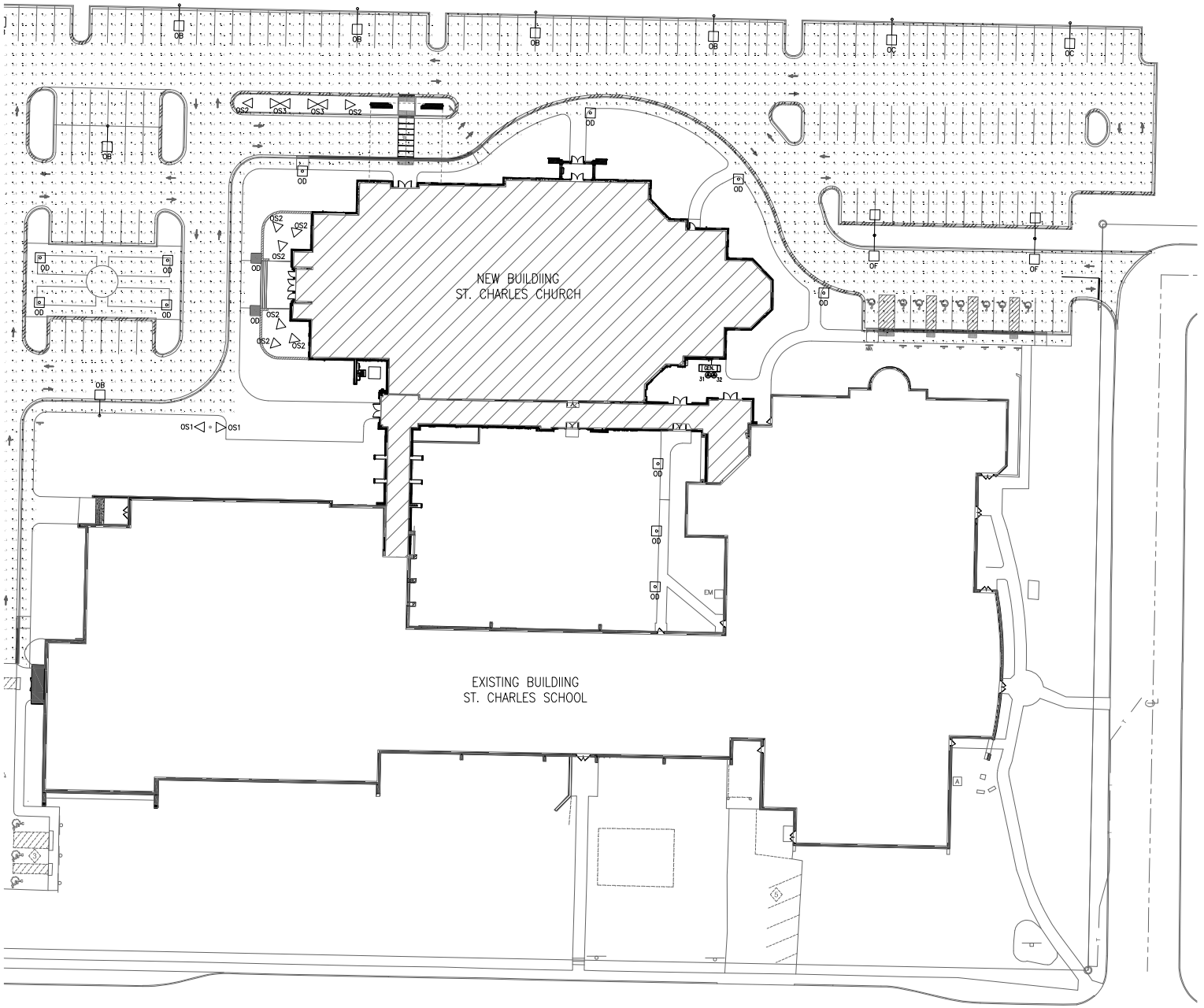
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Project No:

16-0088.01

Sheet No:

CRES1.0



1 ELECTRICAL SITE PLAN - EAST
1" = 20'-0"

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CITY REVIEW
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Plan Commission Submittal

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Project No:
16-0088.01

Sheet No:
CRES1.1

ADELE R GARCIA
267 HAZEL LN
HARTLAND WI 53029-1809

ALAN SLEAPER AND DIANE SLEAPER
624 RENSON RD
HARTLAND WI 53029

ANDREW D LEMKE
619 BELSHIRE DR
HARTLAND WI 53029-1801

ANN C CHARLESWORTH
613 RENSON RD
HARTLAND WI 53029

ANTHONY SARDINA AND JEAN SARDINA
226 HAZEL LN
HARTLAND WI 53029

BARBARA A REZNER FAMILY TRUST
262 HAZEL LN
HARTLAND WI 53029

BENJAMIN CARRIVEAU AND CASSAUNDRA CARRIVEAU
251 CARLIN CT
HARTLAND WI 53029-1805

BOBBY WANGLER AND MARY E WANGLER
626 BELSHIRE DR
HARTLAND WI 53029-1802

BRIAN ARNDT AND BETH ARNDT
217 HAZEL LN
HARTLAND WI 53029

CHARLES & KAREN KVOOL TRUST
208 HAZEL LN
HARTLAND WI 53029

CHRISTOPHER R KLAWITTER AND ROBERT M KLAWITTER
618 BELSHIRE DR
HARTLAND WI 53029-1802

CYNTHIA L CORRIGAN
612 BELSHIRE DR
HARTLAND WI 53029

DAISY PROPERTIES LLC
9700 W BLUEMOUND RD
WAUWATOSA WI 53226

DALE BORCHARDT AND KAREN BORCHARDT
710 RENSON RD
HARTLAND WI 53029

DANIEL A LAYMAN
225 CARLIN CT
HARTLAND WI 53029

DANIEL A PAVLOVICH
711 RENSON RD
HARTLAND WI 53029

DANIEL J ZEUSKE AND KAREN M ZEUSKE
539 RENSON RD
HARTLAND WI 53029-1825

DAVID & GWENDOLYN STAE TRUST
279 HAZEL LN
HARTLAND WI 53029

DAVID ACKLEY AND CAROL ACKLEY
633 BELSHIRE DR
HARTLAND WI 53029

DAVID ERICKSON AND PAMELA ERICKSON
710 BELSHIRE DR
HARTLAND WI 53029

DAVID GREVENKAMP AND ANN GREVENKAMP
618 RENSON RD
HARTLAND WI 53029

DAVID L VODNIK
604 BELSHIRE DR
HARTLAND WI 53029

DEBRA K WOLF
3017 DUNHAM WOODS RD
HARVARD IL 60033-9761

DELBERT KRAEMER AND EDNA KRAEMER
545 RENSON RD
HARTLAND WI 53029

DHCH PROPERTIES LLC
10225 W CAPITOL DR
WAUWATOSA WI 53222

EDWARD R HORN AND PATRICIA K HORN
234 CIRCLE DR
HARTLAND WI 53029

ERIC M GROSS AND CASSIE L GROSS
717 BELSHIRE DR
HARTLAND WI 53029-1803

GAIL E SCHNEEBERGER AND JAMES R SCHNEEBERGER
251 CIRCLE DR
HARTLAND WI 53029

GRANT P HULTMAN AND MARY R HULTMAN
250 CIRCLE DR
HARTLAND WI 53029

GRANT W BARNES AND BRENDA L BARNES
235 HAZEL LN
HARTLAND WI 53029-1808

JAMES E KLECKER
213 CIRCLE DR
HARTLAND WI 53029

JAMES F ECKERT
241 CIRCLE DR
HARTLAND WI 53029

JAMES M SCAFFIDO
711 BELSHIRE DR
HARTLAND WI 53029

JAMES MARSCHALEK AND COURTNEY MARSCHALEK
210 NIXON AVE
HARTLAND WI 53029

JAMES MATTOX
431 RENSON RD
HARTLAND WI 53029

JAMES SCHNEIDER AND PAMELA SCHNEIDER
242 NIXON AVE
HARTLAND WI 53029

JAMES T JANSEN
233 CARLIN CT
HARTLAND WI 53029-1805

JASON A CHRISTIANSEN
280 HAZEL LN
HARTLAND WI 53029-1808

JASON P ZELLMER
248 HAZEL LN
HARTLAND WI 53029

JEANNE R DAVID LIVING TRUST
253 HAZEL LN
HARTLAND WI 53029

JESSICA KOEHLER
211 HAZEL LN
HARTLAND WI 53029-1808

JOAN M PEDERSEN
240 CIRCLE DR
HARTLAND WI 53029-1807

JOHN MARQUARDT AND MARIE MARQUARDT
233 CIRCLE DR
HARTLAND WI 53029

JOHN R STCLAIR
334 LAWN ST
HARTLAND WI 53029

JOINT SCHOOL DISTRICT NO 3
651 E IMPERIAL DR
HARTLAND WI 53029-2699

JOSEF C LESNIEWSKI
223 HAZEL LN
HARTLAND WI 53029-1808

JOSEPH P KLEIST AND ANDREA M KLEIST
218 CIRCLE DR
HARTLAND WI 53029-1807

JOSEPH SCHNEIDER
621 RENSON RD
HARTLAND WI 53029

LAURA M GROONWALD
273 HAZEL LN
HARTLAND WI 53029-1809

LILA JOY GOLL IRREVOCABLE TRUST
220 NIXON AVE
HARTLAND WI 53029

LISA A HEDRICK
423 RENSON RD
HARTLAND WI 53029-1816

LMJD LLC
N24W30380 CRYSTAL SPRINGS DR
PEWAUKEE WI 53072-4274

MARGARET A KRUG REVOCABLE TRUST
705 RENSON RD
HARTLAND WI 53029-1821

MARK J KOSKI AND AMY L KOSKI
240 CARLIN CT
HARTLAND WI 53029

MARNI A SCHWENKER
274 HAZEL LN
HARTLAND WI 53029-1808

MARY A DOYNE
247 HAZEL LN
HARTLAND WI 53029

MATTHEW J WILLERT
328 LAWN ST
HARTLAND WI 53029

MAX J & JUDITH HORWATICH TRUST
722 BELSHIRE DR
HARTLAND WI 53029

MICHAEL SCHIRMER AND SALLY SCHIRMER
718 RENSON RD
HARTLAND WI 53029

MICHAEL WARREN AND JEFFREY WARREN
632 BELSHIRE DR
HARTLAND WI 53029-1802

MICHAEL WIDERHOLT AND ERICA WIEDERHOLT
218 HAZEL LN
HARTLAND WI 53029

P M WALKER PROPERTIES LLC
143 E CAPITOL DR
HARTLAND WI 53029

PAMELA S RICK
716 BELSHIRE DR
HARTLAND WI 53029

PATRICK DECLEENE AND CYNTHIA G DECLEENE
627 BELSHIRE DR
HARTLAND WI 53029

PETER & JUDITH ROIDT TRUST
212 HAZEL LN
HARTLAND WI 53029

PETER & VILLA JOHNSON TRUST
259 HAZEL LN
HARTLAND WI 53029

RAYMOND HOLDEN AND PEGGY HOLDEN
250 NIXON AVE
HARTLAND WI 53029

REX & JEANNETTE FORD TRUST
227 CIRCLE DR
HARTLAND WI 53029

RICHARD E LANDWEHR AND CAROL L LANDWEHR
705 BELSHIRE DR
HARTLAND WI 53029

RICHARD W ROCKWELL AND LISA ANN KOHLER
241 HAZEL LN
HARTLAND WI 53029-1808

RICKY LOW AND KELLY LOW
612 RENSON RD
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ROBERT & ELIZABETH EBERHARDY JOINT REVOCABLE TRUST
285 HAZEL LN
HARTLAND WI 53029

ROBERT FRANZ JR AND AMY FRANZ
632 RENSON RD
HARTLAND WI 53029

ROBERT J COMPTON AND KAREN M COMPTON
719 RENSON RD
HARTLAND WI 53029-1821

ROBERT M CLAFFEY
702 RENSON RD
HARTLAND WI 53029

ROBERT WISNIEWSKI AND VALERIE WISNIEWSKI
511 RENSON RD
HARTLAND WI 53029

ROBERT WISNIEWSKI AND VALERIE WISNIEWSKI
511 RENSON RD
HARTLAND WI 53029

ROSS A & KARLA A BLANK REVOCABLE LIVING TRUST
611 BELSHIRE DR
HARTLAND WI 53029

RYAN KARTZ AND ANTOINETTE KARTZ
229 HAZEL LN
HARTLAND WI 53029-1808

SCOTT ZANE AND CINDY ZANE
286 HAZEL LN
HARTLAND WI 53029

SHAUN FARRELL AND TRACY FARRELL
236 NIXON AVE
HARTLAND WI 53029

ST CHARLES CONGREGATION
313 CIRCLE DR
HARTLAND WI 53029

SUSAN M LOPPNOW 2005 LIVING TRUST
604 RENSON RD
HARTLAND WI 53029

TABETHA A MALECKI AND MARK MALECKI
704 BELSHIRE DR
HARTLAND WI 53029

THEODORE L GEPNER
230 NIXON AVE
HARTLAND WI 53029

THOMAS M FLEMING
322 LAWN ST
HARTLAND WI 53029

THOMAS OSTERMANN AND JENNIFER OSTERMANN
241 CARLIN CT
HARTLAND WI 53029

THOMAS R AND MARCIA A COOK 2018 LIVING TRUST
226 CIRCLE DR
HARTLAND WI 53029-1807

THOMAS SLATTERY AND MAUREEN SLATTERY
268 HAZEL LN
HARTLAND WI 53029

TIMOTHY ELEYET AND GWEN ELEYET
340 LAWN ST
HARTLAND WI 53029

TIMOTHY GAMBATESE
W253N5082 MCKERROW DR
PEWAUKEE WI 53072-1303

TIMOTHY J CULHANE AND JAMES P CULHANE
723 BELSHIRE DR
HARTLAND WI 53029

TMPN HARTLAND LLC AND HARTLAND PLAZA LLC
11518 N PORT WASHINGTON RD STE 103
MEQUON WI 53092-3443

VERONICA M MYERS TRUST
603 BELSHIRE DR
HARTLAND WI 53029

VYTAUTAS AND MERRIE BALTRAMONAS REVOCABLE
207 CIRCLE DR
HARTLAND WI 53029-1806

WAUKESHA STATE BANK
151 E SAINT PAUL AVE
WAUKESHA WI 53188-3701