JOINT ARCHITECTURAL BOARD/PLAN COMMISSION AGENDA
MONDAY, MAY 18, 2020
6:30 PM
HELD AS A ZOOM MEETING

Roll Call

1. Architectural Board and Plan Commission review and consideration of plans for construction of a new church facility for St. Charles Church, 313 Circle Drive.

2. Adjourn.

Tim Rhode, Village Administrator

A complete packet of meeting materials is normally available by 5:00pm on the Friday before the meeting on the Village website: www.villageofhartland.com (Government/Agendas and Minutes).

To participate in the Village of Hartland Village "Zoom" Board meeting, please dial 1 (312) 626-6799. The Meeting ID is 817 5672 7208. You will be able to listen to the meeting; however, the only opportunity to talk during the session will be at the start of the meeting, when the Chairperson asks for public comment.

If you have questions or concerns related to an item listed on the agenda, please contact Building Inspector Scott Hussinger at (262) 490-8222 or scotth@villageofhartland.com no later than Thursday, May 14, 2020.

St. Charles Catholic School & Parish

St. Charles Church Addition

313 Circle Drive
Hartland, WI 53029

Planning Commission Submittal

4.30.20

ARCHITECT/LANDSCAPE ARCHITECT:

ZIMMERMAN
ARCHITECTURAL STUDIOS, INC.
2122 W. Mount Vernon Avenue | Milwaukee, WI 53233 |
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TELEPHONE [414] 476.9500
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CIVIL, STRUCTRAL, PLUMBING, MECHANICAL, ELECTRICAL ENGINEER:

HARWOOD ENGINEERING CONSULTANTS
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CIVIL "C" SERIES

LANDSCAPE "L" SERIES

ARCHITECTURAL "A" SERIES

STRUCTURAL "S" SERIES

PLUMBING "P" SERIES

MECHANICAL "M" SERIES

ELECTRICAL "E" SERIES

SHEET INDEX:

T0.0 TITLE SHEET

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

ARCHITECTURAL
A2.0 BASEMENT FLOOR PLAN - OVERALL
A2.0a BASEMENT FLOOR PLAN - AREA A
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
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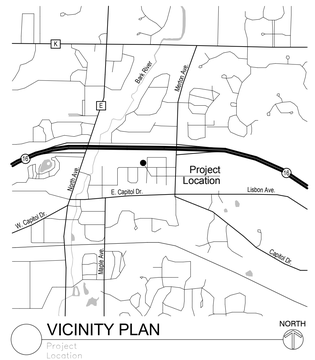
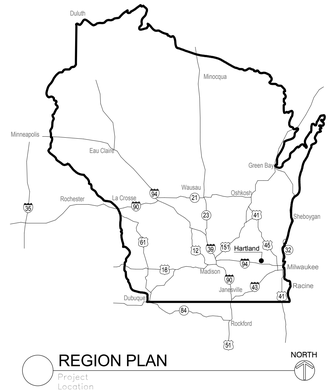
A5.0 BUILDING SECTIONS
A5.1 BUILDING SECTIONS
A5.2 BUILDING SECTIONS

ELECTRICAL
ES1.0 ELECTRICAL SITE PLAN - WEST
ES1.1 ELECTRICAL SITE PLAN - EAST





VICINITY PLAN
Project Location



REGION PLAN
Project Location

ZIMMERMAN
ARCHITECTURAL STUDIOS, INC.
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TELEPHONE [414] 476.9500
FACSIMILE [414] 476.8582

Project:

St. Charles Church Addition

Revisions:

No.	Date:	Description:
1.		
2.		

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
- EXIST 100.00 — EXISTING SPOT ELEVATION

PROPOSED:

- 160 — MAJOR CONTOUR
- 160 — MINOR CONTOUR
- 100.00 — SPOT ELEVATION (FINISHED GRADE, TOP OF PAVEMENT, FLANGE OF CURB)
- DOOR 100.00 — DOOR ELEVATION
- GR 100.00 — GROUND GRADE AT BUILDING
- 100.50T/C 100.00E/P — SPOT ELEVATION (T/C - TOP OF CURB, E/P - EDGE OF PAVEMENT)
- 100.50T/W 100.00B/W — RETAINING WALL SPOT ELEVATION (T/W - TOP OF WALL, B/W - GROUND GRADE AT BOTTOM)
- 12" FES 100.00B/W — FLARED END SECTION (PIPE SIZE, 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 LATERAL TO BE CONNECTED TO VERIFYING 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 PIPE 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:

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DIGGER'S HOTLINE — CALL 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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Project:
St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:
PROJECT LOCATION & GENERAL NOTES

Phase:
Plan Commision

Scale: SCALE: 1" = 100'
North

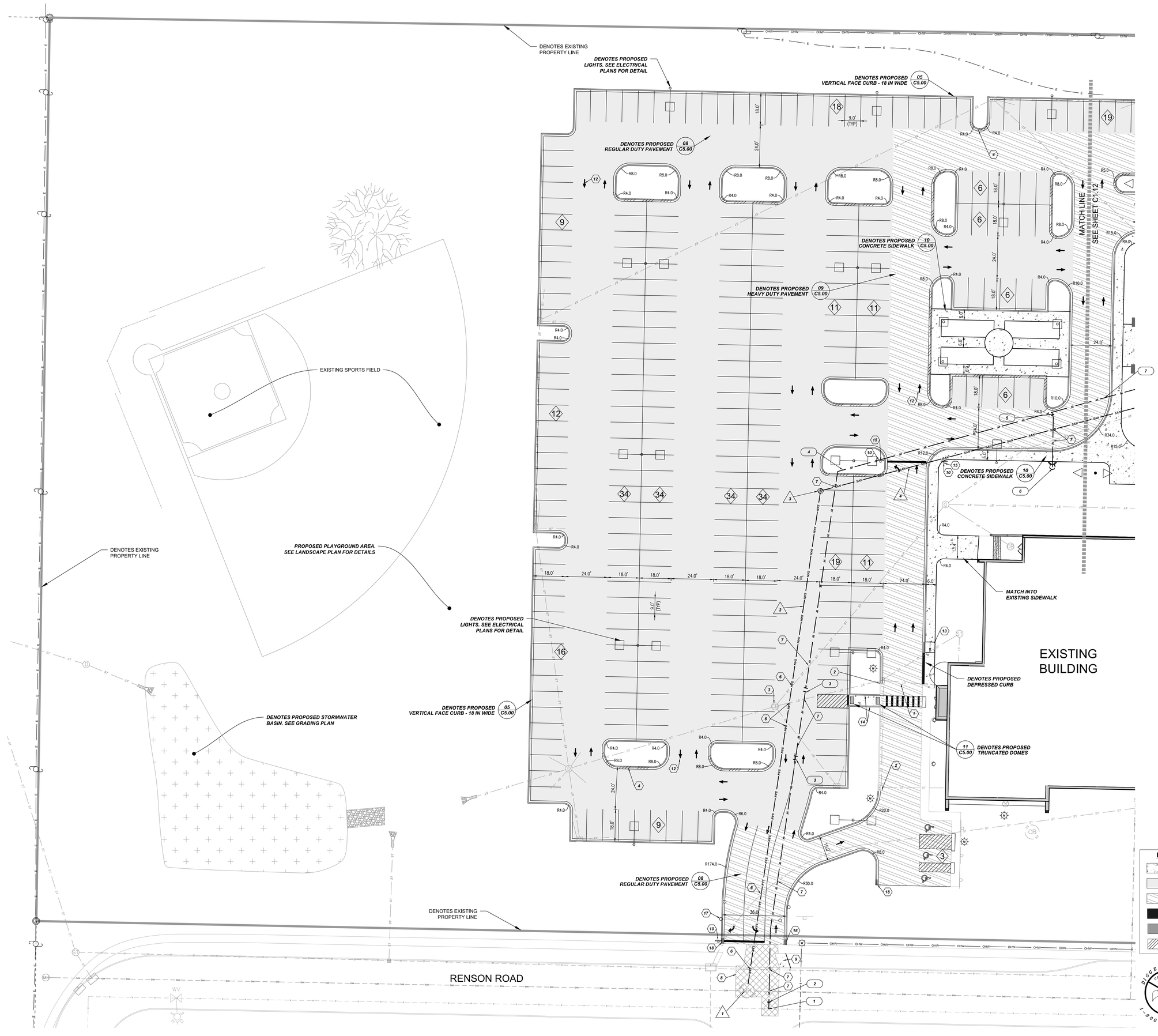
Revisions:

No.	Date:	Description:

Date:
4.30.20

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 6" 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. WIDEN EXISTING DRIVEWAY APRON TO MATCH NEW DRIVE WIDTH. REMOVE AND REPLACE CURB AND GUTTER AS REQUIRED. MATCH VILLAGE STANDARDS.
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, 1.8% 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. REMOVE EXISTING BOLLARDS AND CHAIN GATE. INSTALL NEW BOLLARDS AND CHAIN GATE FOR WIDENED DRIVEWAY.
18. DENOTES PROPOSED 3' CURB TAPER

SITE CALCULATION TABLE

TOTAL SITE AREA	12.490 AC.
PARKING LOT GREENSPACE	6.9%
EXISTING REGULAR PARKING	315
EXISTING HANDICAP PARKING	17
EXISTING TOTAL PARKING	332
PROPOSED REGULAR PARKING	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 CALL BEFORE YOU DIG 1-800-242-8511

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St. Charles Church Addition

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Key Plan:



Sheet:
SITE PLAN - DETAILED WEST

Phase:
Plan Commision

Scale:
SCALE: 1" = 20'

North

Revisions:

No.	Date:	Description:

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4.30.20

Project No:
16-0088.01

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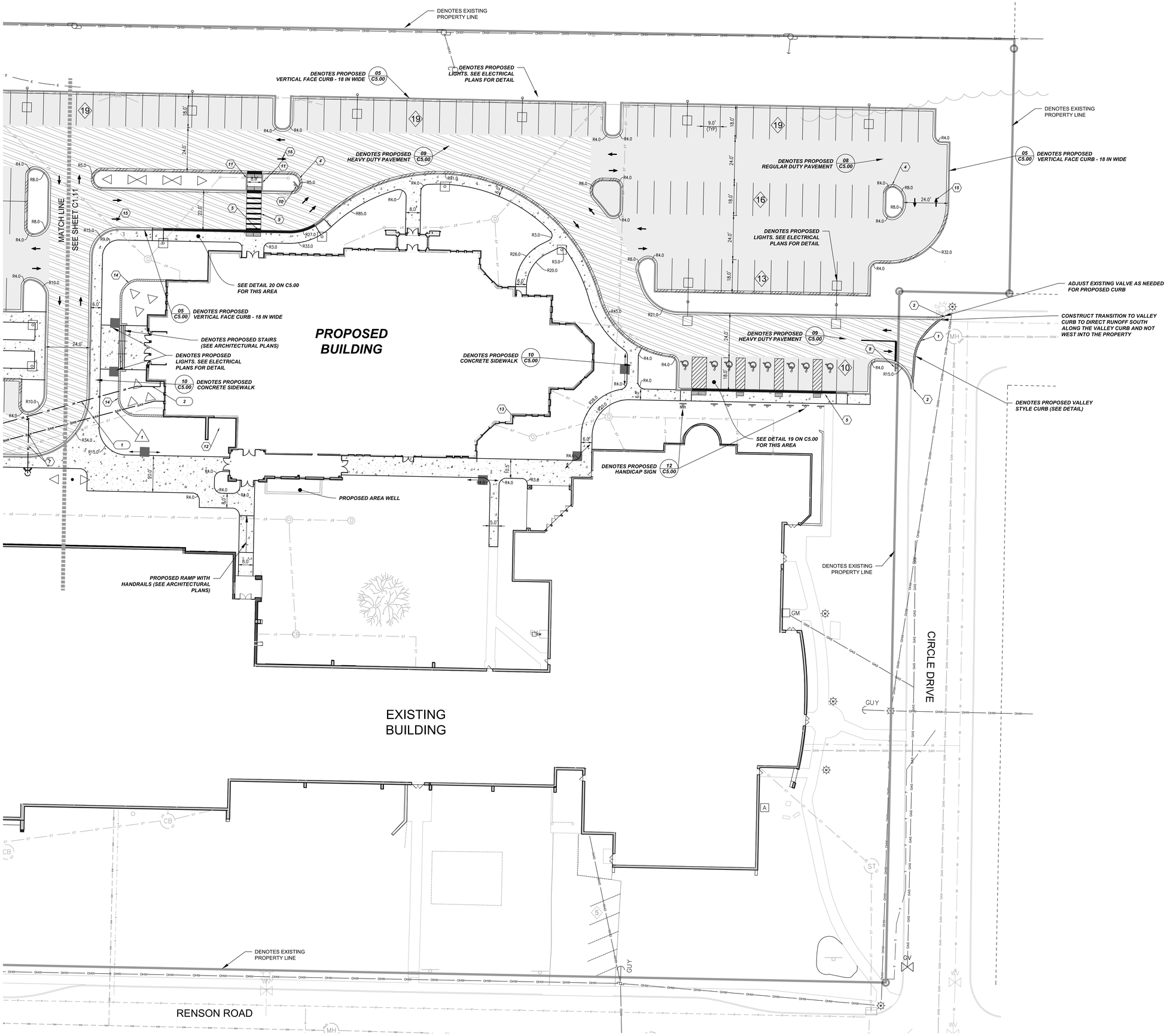
C1.11



UTILITY TAGS

SANITARY

1. DENOTES PROPOSED 206 L.F. 8" PVC SANITARY SEWER @ S=0.95%. PROPOSED SANITARY SEWER CONNECTION. 8" INV @ BLD = 929.24. 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

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SITE PLAN - DETAILED EAST

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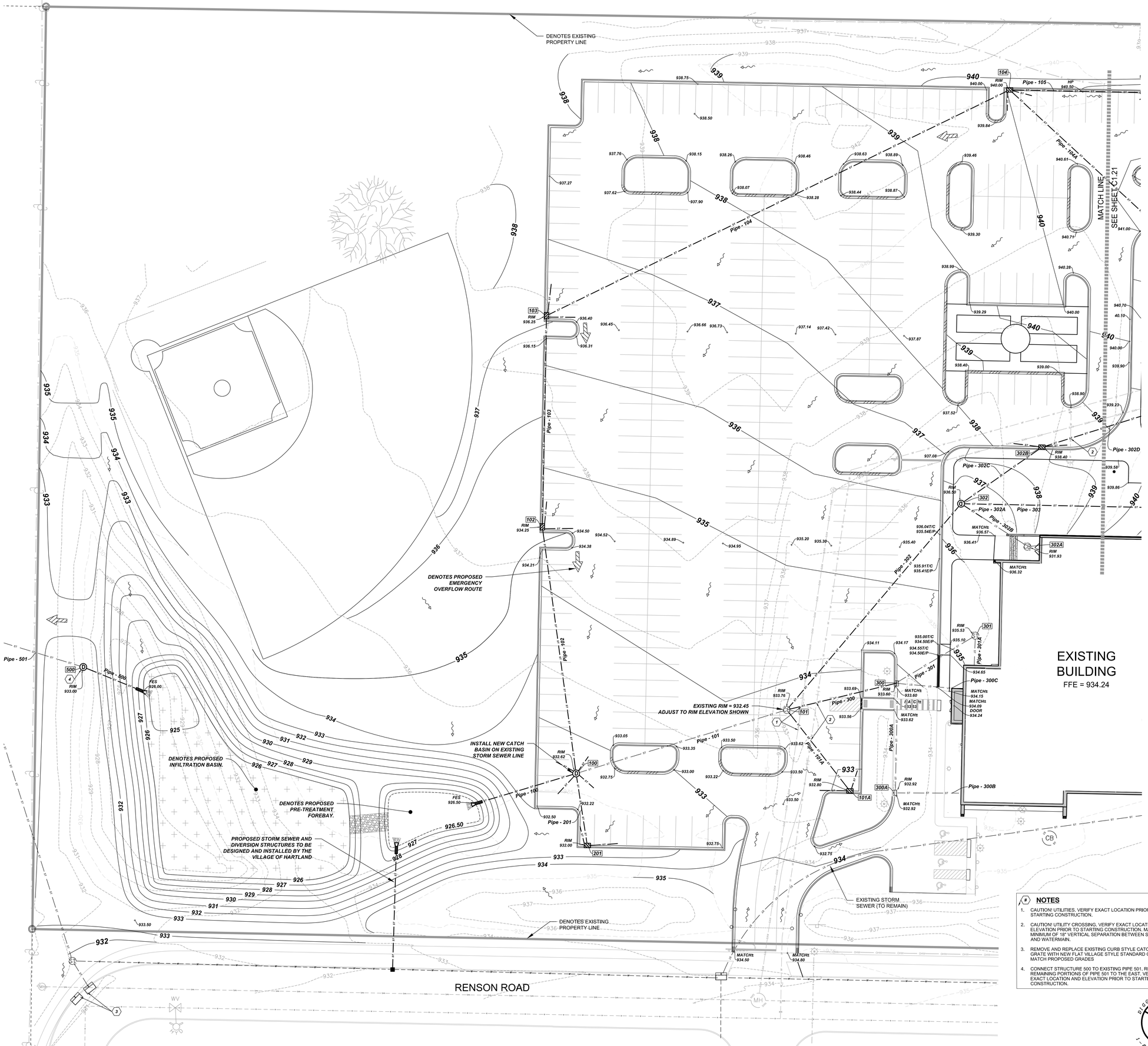

Storm Structure Table	
#	Structure Details
100	CATCH BASIN (5' DIA) W/ WEEP PIPES RIM = 932.62 Pipe - 101 = 927.37 Pipe - 201 = 927.37 Pipe - 102 = 927.37 Pipe - 100 = 927.37
101A	CATCH BASIN - CURB W/ WEEP PIPES RIM = 932.80 Pipe - 101A = 928.33
101	EXISTING CATCH BASIN RIM = 933.76 Pipe - 300 = 927.71 Pipe - 302 = 927.71 Pipe - 101A = 927.71 Pipe - 101 = 927.71
102	CATCH BASIN - CURB W/ WEEP PIPES RIM = 934.25 Pipe - 103 = 928.75 Pipe - 102 = 928.75
103	CATCH BASIN - CURB (5' DIA) W/ WEEP PIPES RIM = 936.25 Pipe - 104 = 929.92 Pipe - 103 = 929.92
104	CATCH BASIN - CURB (5' DIA) W/ WEEP PIPES RIM = 940.00 Pipe - 105 = 932.77 Pipe - 104A = 936.00 Pipe - 104 = 932.77
104A	CATCH BASIN (3' DIA) W/ NEENAH R-2560-C2 RIM = 941.00 Pipe - 104B = 937.35 Pipe - 104D = 937.35 Pipe - 104A = 937.35
105	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940.00 Pipe - 106 = 933.60 Pipe - 105 = 933.60
106	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940.80 Pipe - 107 = 934.57 Pipe - 106 = 934.57
107	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940.21 Pipe - 108 = 936.23 Pipe - 107A = 936.23 Pipe - 107 = 936.23
107A	CATCH BASIN (3' DIA) W/ NEENAH R-2560-C2 RIM = 941.80 Pipe - 107C = 937.08 Pipe - 107B = 937.08 Pipe - 107A = 937.08
108	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940.21 Pipe - 109 = 936.37 Pipe - 108 = 936.37
109	CATCH BASIN - CURB W/ WEEP PIPES RIM = 941.97 Pipe - 110 = 937.58 Pipe - 109A = 938.25 Pipe - 109 = 937.58
110	CATCH BASIN (5' DIA) RIM = 944.02 Pipe - 111 = 938.08 Pipe - 110A = 938.08 Pipe - 113 = 938.08 Pipe - 110 = 938.08
111	CATCH BASIN (3' DIA) RIM = 943.00 Pipe - 111A = 938.51 Pipe - 111 = 938.51
201	CATCH BASIN - CURB W/ WEEP PIPES RIM = 932.00 Pipe - 201 = 927.77
300A	EXISTING CATCH BASIN - CURB RIM = 932.92 Pipe - 300B = 928.97 Pipe - 300A = 928.87
300	EXISTING CATCH BASIN - CURB RIM = 933.60 Pipe - 301 = 928.30 Pipe - 300A = 927.90 Pipe - 300C = 928.40 Pipe - 300 = 927.80
301	EXISTING CATCH BASIN RIM = 935.53 Pipe - 301A = 928.78 Pipe - 301 = 928.43
302A	EXISTING CATCH BASIN RIM = 931.93 Pipe - 302B = 930.41
302	CATCH BASIN (3' DIA) RIM = 936.50 Pipe - 303 = 928.46 Pipe - 302A = 929.15 Pipe - 302C = 932.45 Pipe - 302 = 928.46
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303A	CATCH BASIN (3' DIA) W/ NEENAH R-2560-C2 RIM = 941.50 Pipe - 303A = 937.34
304	EXISTING CATCH BASIN RIM = 935.34 Pipe - 304A = 929.99 Pipe - 304B = 930.77 Pipe - 304 = 929.84
500	OUTLET CONTROL STRUCTURE (SEE DETAIL) RIM = 933.00 Pipe - 500 = 926.00 Pipe - 501 = 925.90

Storm Pipe Table					
Pipe Name	Size	Material	Length	Slope	Description
Pipe - 100	24	HDPE	58	1.49%	W/ RCP FES
Pipe - 101	24	PVC	122	0.28%	EXISTING PIPE
Pipe - 101A	12	PVC	57	1.09%	
Pipe - 102	18	PVC	138	1.00%	
Pipe - 103	18	PVC	117	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	50	1.00%	
Pipe - 110A	6	PVC	34	1.00%	DOWNSPOUT CONNECTION
Pipe - 111	8	PVC	43	1.00%	
Pipe - 111A	6	PVC	21	1.00%	DOWNSPOUT CONNECTION
Pipe - 113	8	PVC	90	1.50%	
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	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	86	1.00%	
Pipe - 303	12	PVC SCH 40	203	0.50%	
Pipe - 303A	8	PVC	34	1.00%	
Pipe - 303B	10	PVC	8	0.66%	
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 - 500	15	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.

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Project:
St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:
GRADING PLAN - WEST

Phase:
Plan Commision

Scale:
SCALE: 1" = 20'

North

Revisions:

No:	Date:	Description:

Date:
4.30.20

Project No:
16-0088.01

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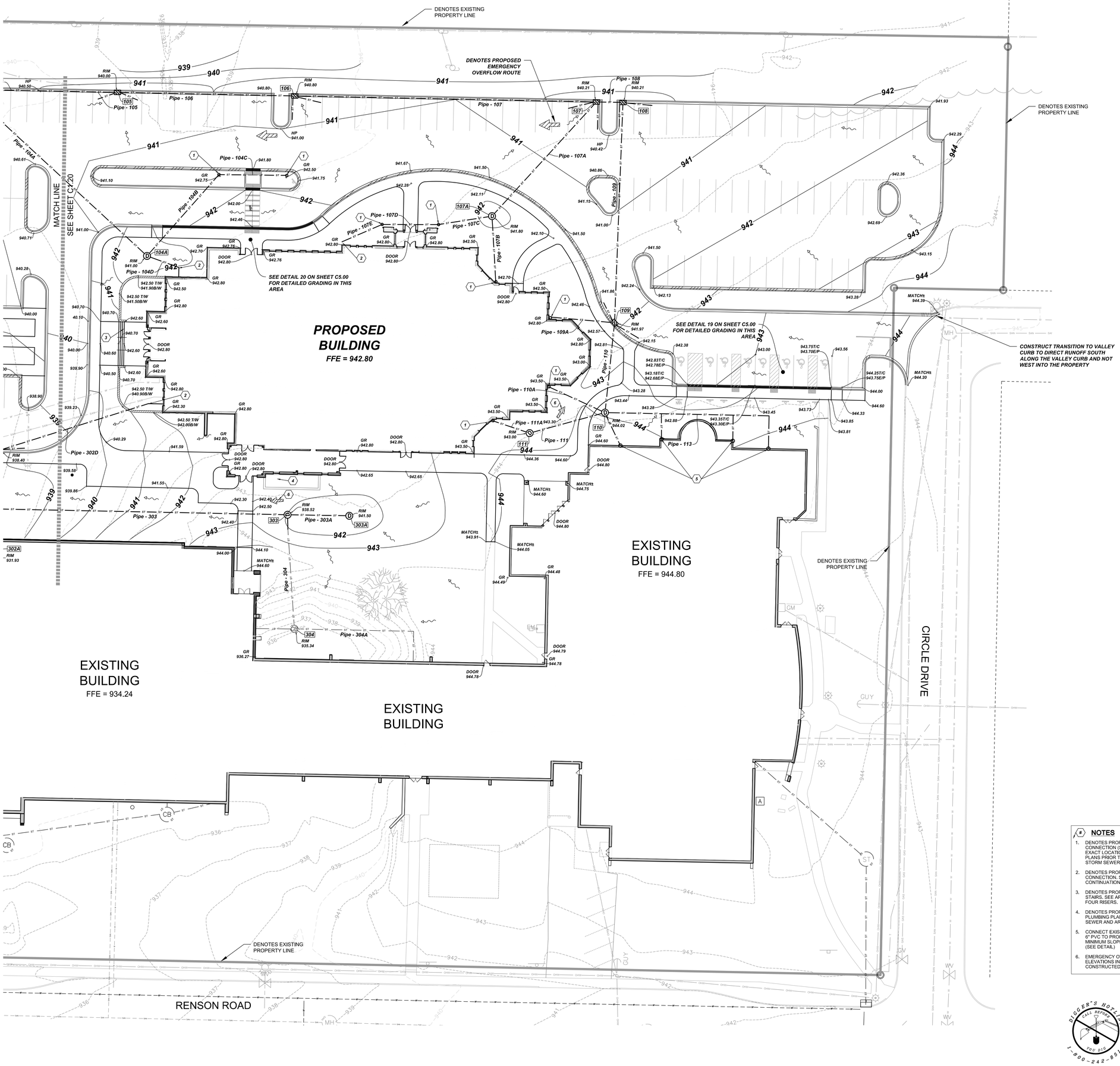

Storm Structure Table

#	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 - 100 = 927.37
101A	CATCH BASIN - CURB W/ WEEP PIPES RIM = 932.80 Pipe - 101A = 928.33
101	EXISTING CATCH BASIN RIM = 933,76 Pipe - 300 = 927,71 Pipe - 302 = 927,71 Pipe - 101A = 927,71 Pipe - 101 = 927,71
102	CATCH BASIN - CURB W/ WEEP PIPES RIM = 934.25 Pipe - 103 = 928,75 Pipe - 102 = 928,75
103	CATCH BASIN - CURB (5' DIA) W/ WEEP PIPES RIM = 936,25 Pipe - 104 = 929,92 Pipe - 103 = 929,92
104	CATCH BASIN - CURB (5' DIA) W/ WEEP PIPES RIM = 940,00 Pipe - 105 = 932,77 Pipe - 104A = 936,00 Pipe - 104 = 932,77
104A	CATCH BASIN (3' DIA) W/ NEENAH R-2560-C2 RIM = 941,00 Pipe - 104B = 937,35 Pipe - 104D = 937,35 Pipe - 104A = 937,35
105	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940,00 Pipe - 106 = 933,60 Pipe - 105 = 933,60
106	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940,80 Pipe - 107 = 934,57 Pipe - 106 = 934,57
107	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940,21 Pipe - 108 = 936,23 Pipe - 107A = 936,23 Pipe - 107 = 936,23
107A	CATCH BASIN (3' DIA) W/ NEENAH R-2560-C2 RIM = 941,80 Pipe - 107C = 937,08 Pipe - 107B = 937,08 Pipe - 107A = 937,08
108	CATCH BASIN - CURB W/ WEEP PIPES RIM = 940,21 Pipe - 109 = 936,37 Pipe - 108 = 936,37
109	CATCH BASIN - CURB W/ WEEP PIPES RIM = 941,97 Pipe - 110 = 937,58 Pipe - 109A = 938,25 Pipe - 109 = 937,58
110	CATCH BASIN (5' DIA) RIM = 944,02 Pipe - 111 = 938,08 Pipe - 110A = 938,08 Pipe - 113 = 938,08 Pipe - 110 = 938,08
111	CATCH BASIN (3' DIA) RIM = 943,00 Pipe - 111A = 938,51 Pipe - 111 = 938,51
201	CATCH BASIN - CURB W/ WEEP PIPES RIM = 932,00 Pipe - 201 = 927,77
300A	EXISTING CATCH BASIN - CURB RIM = 932,92 Pipe - 300B = 928,97 Pipe - 300A = 928,87
300	EXISTING CATCH BASIN - CURB RIM = 933,60 Pipe - 301 = 928,30 Pipe - 300A = 927,90 Pipe - 300C = 928,40 Pipe - 300 = 927,80
301	EXISTING CATCH BASIN RIM = 935,53 Pipe - 301A = 928,78 Pipe - 301 = 928,43
302A	EXISTING CATCH BASIN RIM = 931,93 Pipe - 302B = 930,41
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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. EMERGENCY OVERFLOW ROUTE. ENSURE ELEVATIONS IN THIS AREA ARE CONSTRUCTED AS SHOWN.

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Sheet:
GRADING PLAN - EAST

Phase:
Plan Commision

Scale:
SCALE: 1" = 20'

North

Revisions:

No.	Date:	Description:

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4.30.20

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16-0088.01

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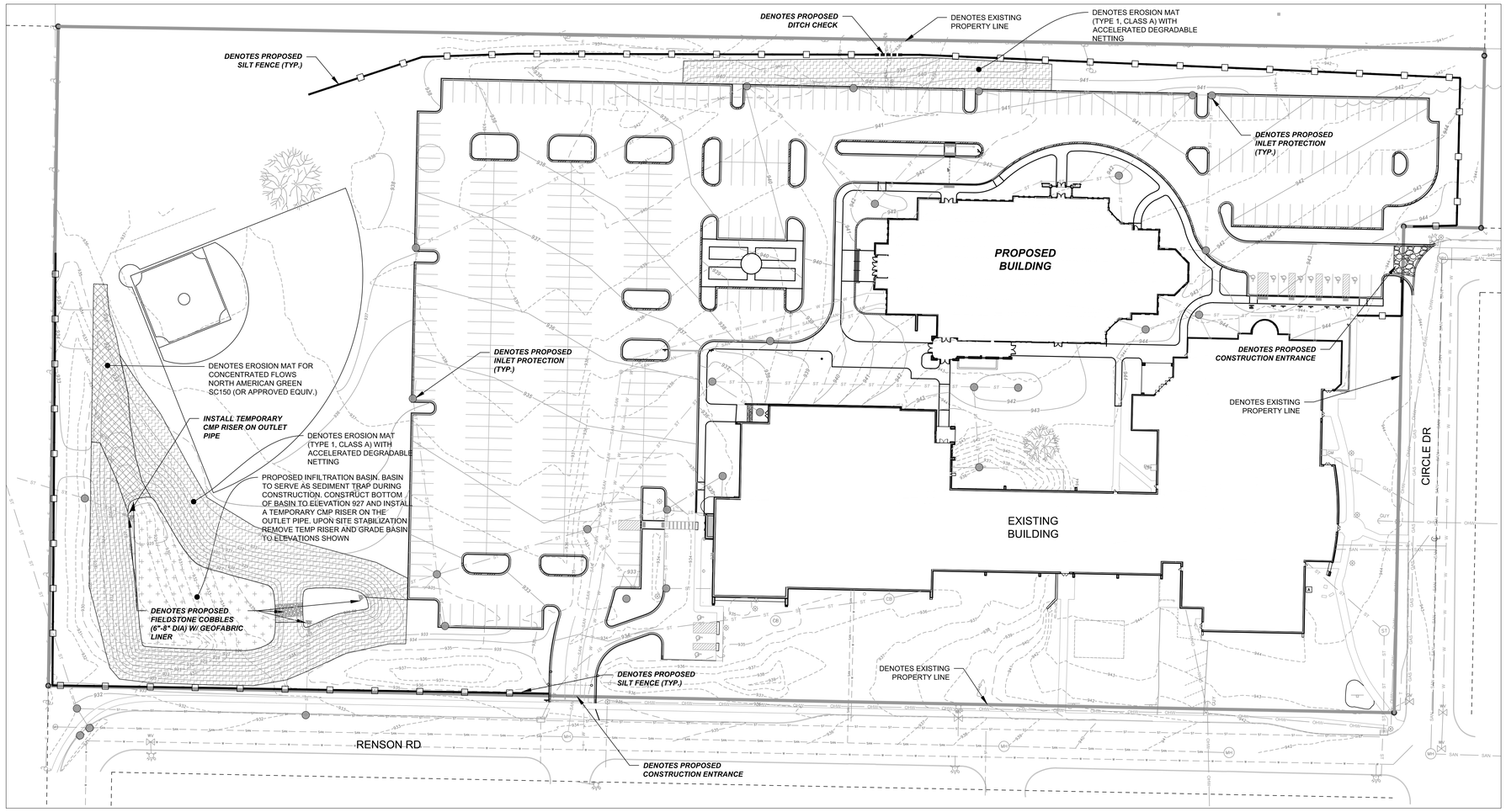
C1.21



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, AND CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD 1057 FOR TRACKOUT CONTROL AT CONSTRUCTION ENTRANCE(S).
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 NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
13. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS (INFILTRATION BASIN TO SERVE AS SEDIMENT TRAP) PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 9 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). 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/MUNCIPALITY. 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.
25. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES 4:1 OR GREATER (OR AS SHOWN ON THE PLAN), 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.
23. 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.
24. 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.
25. 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
26. 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 PRIOR TO FINAL PAYMENT.

GENERAL NOTES:

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

WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.

① CROSS BRACE WITH 2" x 4" WOODEN PRAIRIE OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.

○ MINIMUM 14 GAGE WIRE REQUIRED. FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.

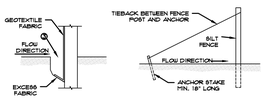
2 EXCAVATE A TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY, AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.

③ WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.

④ GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLY-PROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.

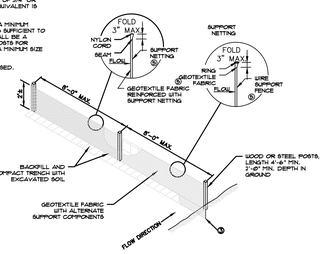
⑤ STEEL POSTS SHALL BE STUDDED "TEE" OR "U TYPE" WITH A MINIMUM WEIGHT OF 1.25 lbs/l.n. ft. (WITHOUT ANCHOR). FIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM OF 1" x 2" x 4'-0" EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1-1/8" x 1-1/8" OAK OR HICKORY.

⑥ ALTERNATIVES A AND B ARE EQUAL AND EITHER MAY BE USED.



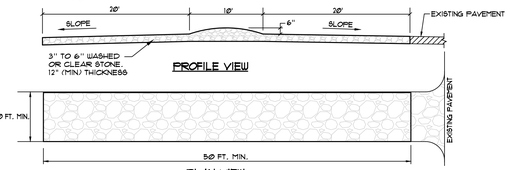
TRENCH DETAIL

SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)



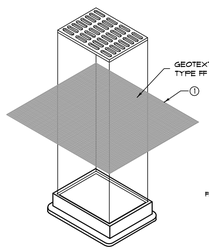
NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

SILT FENCE DETAIL
NTS

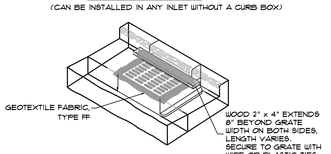


NOTE: STRIP TOPSOIL PRIOR TO PLACING STONE.

CONSTRUCTION ENTRANCE AND TRACKING PAD DETAIL
NTS



INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES:

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

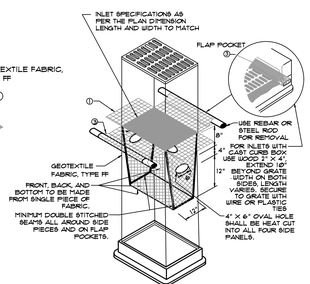
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

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 12" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

FOR INLET PROTECTION, TYPE C WITH CURB BOX, AND ADDITIONAL 18" OF FABRIC IS UNWRAPPED 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.



INLET PROTECTION, TYPE D

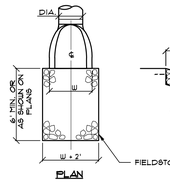
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE) ③

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 DEUN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

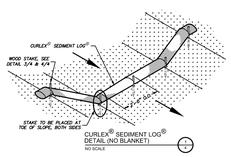
TYPE D:
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 36", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES OF 3", WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG USING PLASTIC ZIP TIES TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM IF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
NTS

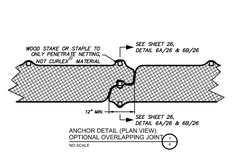


FIELDSTONE COBBLES AT PIPE ENDWALL
NTS

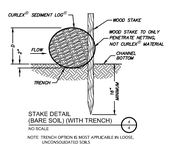
105
11/19/10



CURLEX® SEDIMENT LOG® DETAIL (NO BLANKET)
NO SCALE



ANCHOR DETAIL (PLAN VIEW) OPTIONAL OVERLAPPING JOINT
NO SCALE



STAKE DETAIL (BARE SOIL) (WITH TRENCH)
NO SCALE

NOTE: TRENCH OPTION IS MOST APPLICABLE IN LOOSE, UNCONSOLIDATED SOILS

GENERAL NOTES:

DITCH CHECKS SHALL BE MANUFACTURED PRODUCTS AND LISTED ON THE CURRENT WISDOT 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 — CALL 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.

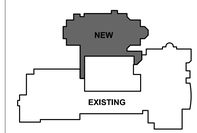
Zimmerman Architectural Studios, Inc.
2122 W. Mount Vernon Avenue | Milwaukee, WI 53233 | zastudios.com
TELEPHONE (414) 476.9500
FACSIMILE (414) 476.8582

Consultant:
Harwood Engineering Consultants
255 North 21st Street | Milwaukee, WI 53233
P 414.475.3304 | www.hecl.com

Project:
St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:
EROSION CONTROL PLAN

Phase:
Plan Commision

Scale:
SCALE: 1" = 40'

North

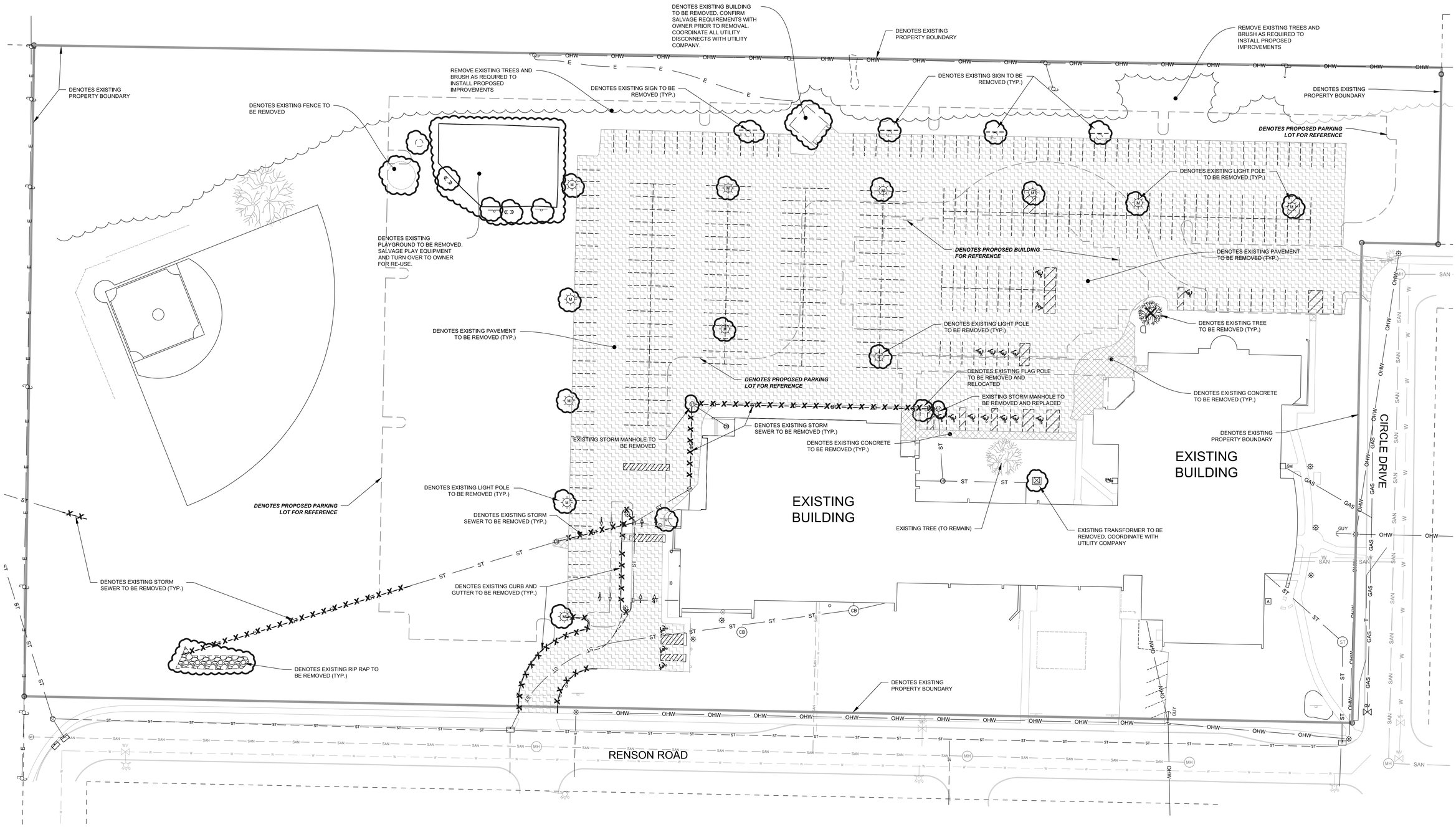
Revisions:

No.	Date:	Description:

Date:
4.30.20

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 CALL 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
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Consultant:
Harwood Engineering Consultants
255 North 21st Street, Milwaukee, WI 53233
P 414.475.5554 | www.hecfirst.com

Project:
St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:
DEMO PLAN

Phase:
Plan Commision

Scale:
SCALE: 1" = 30'

North

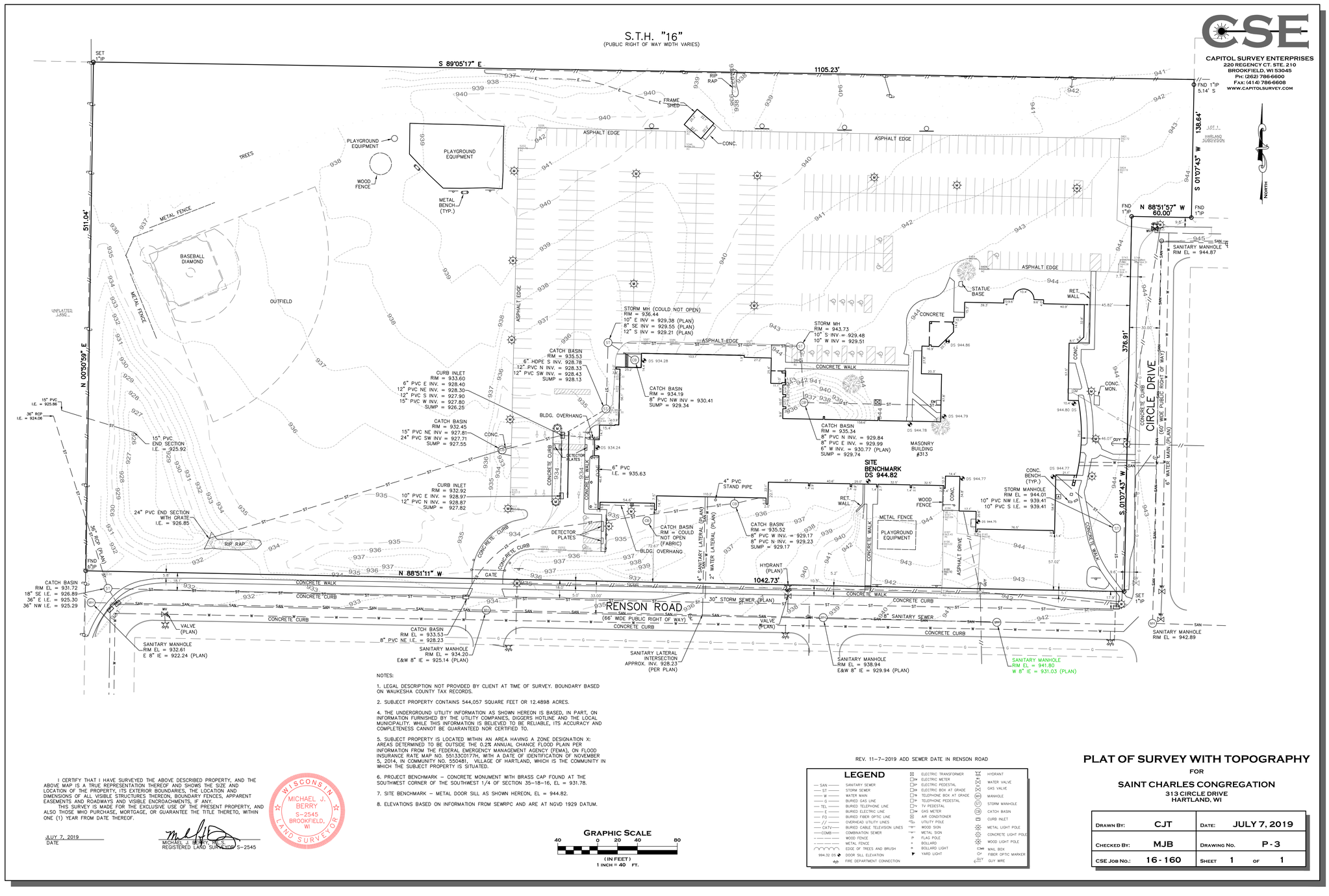
Revisions:

No:	Date:	Description:

Date:
4.30.20

Project No:
16-0088.01

Sheet No:
C1.40



NOTES:

1. LEGAL DESCRIPTION NOT PROVIDED BY CLIENT AT TIME OF SURVEY. BOUNDARY BASED ON WAUKESHA COUNTY TAX RECORDS.

2. SUBJECT PROPERTY CONTAINS 544,057 SQUARE FEET OR 12.4898 ACRES.

4. THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, ON INFORMATION FURNISHED BY THE UTILITY COMPANIES, DIGGERS HOTLINE AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.

5. SUBJECT PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION X: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN PER INFORMATION FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 55133C0177H, WITH A DATE OF IDENTIFICATION OF NOVEMBER 5, 2014, IN COMMUNITY NO. 550481, VILLAGE OF HARTLAND, WHICH IS THE COMMUNITY IN WHICH THE SUBJECT PROPERTY IS SITUATED.

6. PROJECT BENCHMARK – CONCRETE MONUMENT WITH BRASS CAP FOUND AT THE SOUTHWEST CORNER OF THE SOUTHWEST 1/4 OF SECTION 35–18–16, EL = 931.78.

7. SITE BENCHMARK – METAL DOOR SILL AS SHOWN HEREON, EL = 944.82.

8. ELEVATIONS BASED ON INFORMATION FROM SEWRPC AND ARE AT NGVD 1929 DATUM.

I CERTIFY THAT I HAVE SURVEYED THE ABOVE DESCRIBED PROPERTY, AND THE ABOVE MAP IS A TRUE REPRESENTATION THEREOF AND SHOWS THE SIZE AND LOCATION OF THE PROPERTY, ITS EXTERIOR BOUNDARIES, THE LOCATION AND DIMENSIONS OF ALL VISIBLE STRUCTURES THEREON, BOUNDARY FENCES, APPARENT EASEMENTS AND ROADWAYS AND VISIBLE ENCROACHMENTS, IF ANY.

THIS SURVEY IS MADE FOR THE EXCLUSIVE USE OF THE PRESENT PROPERTY, AND ALSO THOSE WHO PURCHASE, MORTGAGE, OR GUARANTEE THE TITLE THERETO, WITHIN ONE (1) YEAR FROM DATE THEREOF.

JULY 7, 2019
DATE

MICHAEL J. BERRY, PLS
REGISTERED LAND SURVEYOR S–2545

WISCONSIN MICHAEL J. BERRY S–2545 BROOKFIELD, WI LAND SURVEYOR

GRAPHIC SCALE
40 0 20 40 80
(IN FEET)
1 INCH = 40 FT.

REV. 11–7–2019 ADD SEWER DATE IN RENSON ROAD

LEGEND

SAN	SANITARY SEWER	ELECTRIC TRANSFORMER	HYDRANT
ST	STORM SEWER	ELECTRIC METER	WATER VALVE
W	WATER MAIN	ELECTRIC BOX AT GRADE	GAS VALVE
G	BURIED GAS LINE	TELEPHONE BOX AT GRADE	MANHOLE
TEL	BURIED TELEPHONE LINE	TELEPHONE PEDESTAL	STORM MANHOLE
E	BURIED ELECTRIC LINE	TV PEDESTAL	CATCH BASIN
FO	BURIED FIBER OPTIC LINE	GAS METER	CURB INLET
//	OVERHEAD UTILITY LINES	AIR CONDITIONER	METAL LIGHT POLE
CATV	BURIED CABLE TELEVISION LINES	UTILITY POLE	CONCRETE LIGHT POLE
COMB	COMBINATION SEWER	WOOD SIGN	WOOD LIGHT POLE
	WOOD FENCE	METAL SIGN	MAIL BOX
	METAL FENCE	FLAG POLE	FIBER OPTIC MARKER
	EDGE OF TREES AND BRUSH	BOLLARD	GUY WIRE
994.32 DS	DOOR SILL ELEVATION	BOLLARD LIGHT	
FDC	FIRE DEPARTMENT CONNECTION	YARD LIGHT	

PLAT OF SURVEY WITH TOPOGRAPHY

FOR

SAINT CHARLES CONGREGATION

313 CIRCLE DRIVE
HARTLAND, WI

DRAWN BY:	CJT	DATE:	JULY 7, 2019
CHECKED BY:	MJB	DRAWING No.	P - 3
CSE JOB No.:	16 - 160	SHEET	1 OF 1

CSE
CAPITOL SURVEY ENTERPRISES
220 REGENCY CT. STE. 210
BROOKFIELD, WI 53045
PH: (262) 786-6600
FAX: (414) 786-6608
WWW.CAPITOLSURVEY.COM

Zimmerman
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2122 W. Mount Vernon Avenue | Milwaukee, WI 53233 | zastudios.com
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Project:

St. Charles Church Addition

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526 Renson Road,
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Key Plan:



Sheet:

EXISTING SURVEY

Phase:

Plan Commision

Scale:
SCALE: 1" = 40'

North

Revisions:

No.	Date:	Description:

Date:

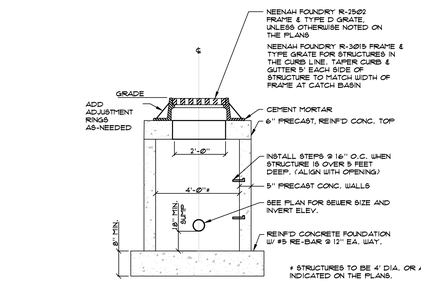
4.30.20

Project No:

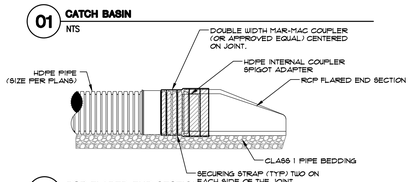
16-0088.01

Sheet No:

C1.50



01 CATCH BASIN
NTS



02 RCP FLARED END SECTION
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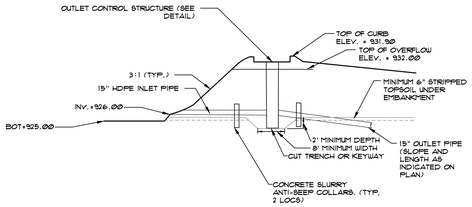

03 INFILTRATION BASIN DETAIL
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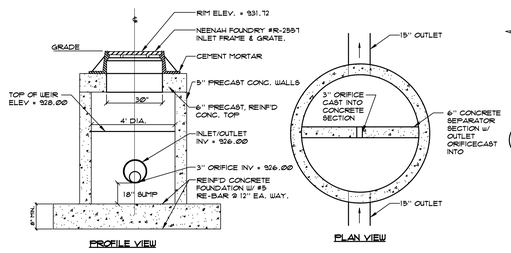

04 OUTLET CONTROL STRUCTURE
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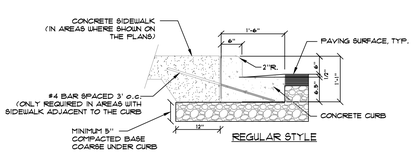

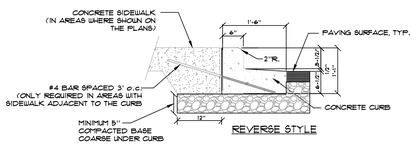

05 VERTICAL FACE CURB - 18 IN WIDE
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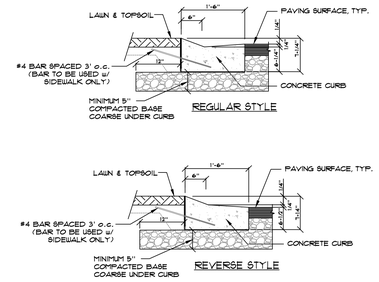
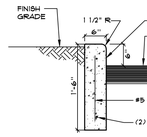
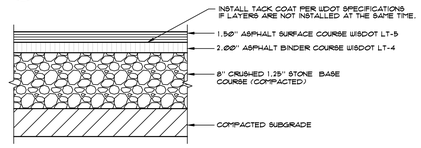


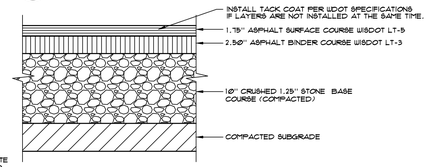
06 DEPRESSED CURB - 18 IN WIDE
NTS



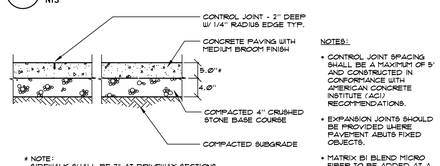
07 BARRIER CURB
NTS



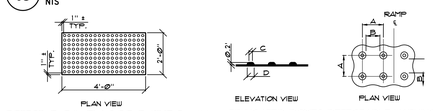
08 REGULAR DUTY PAVEMENT
NTS



09 HEAVY DUTY PAVEMENT
NTS



10 CONCRETE SIDEWALK
NTS

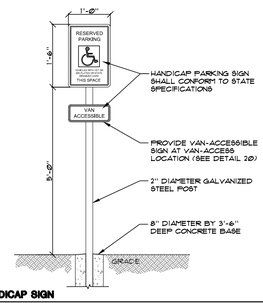


	MIN.	MAX.
A	1.6"	2.4"
B	Ø.65"	1.5"
C	*	*
D	Ø.9"	1.4"

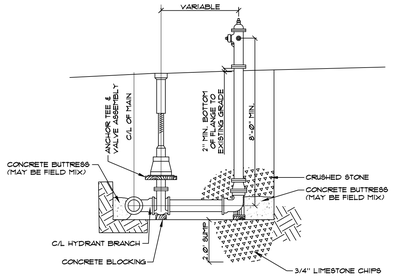
* THE C DIMENSION IS 50% TO 65% IF THE D DIMENSION

***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)

11 TRUNCATED DOMES
NTS



12 HANDICAP SIGN
NTS



13 TYPICAL HYDRANT
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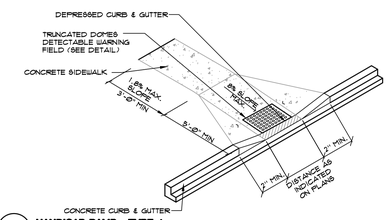
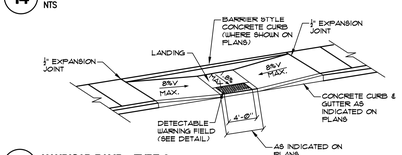


14 HANDICAP RAMP - TYPE 4
NTS



16 HANDICAP RAMP - TYPE 2
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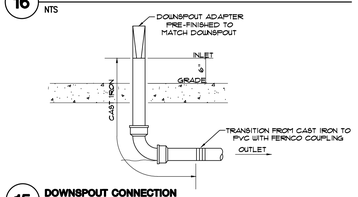

15 DOWNSPOUT CONNECTION
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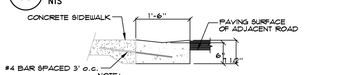

17 VALLEY STYLE CURB
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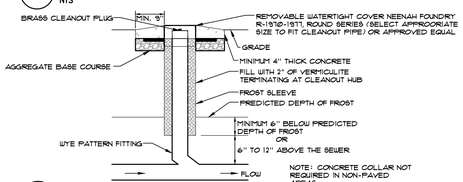
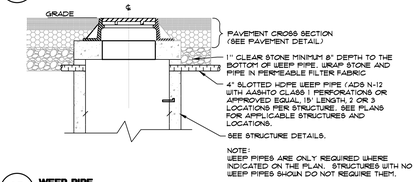
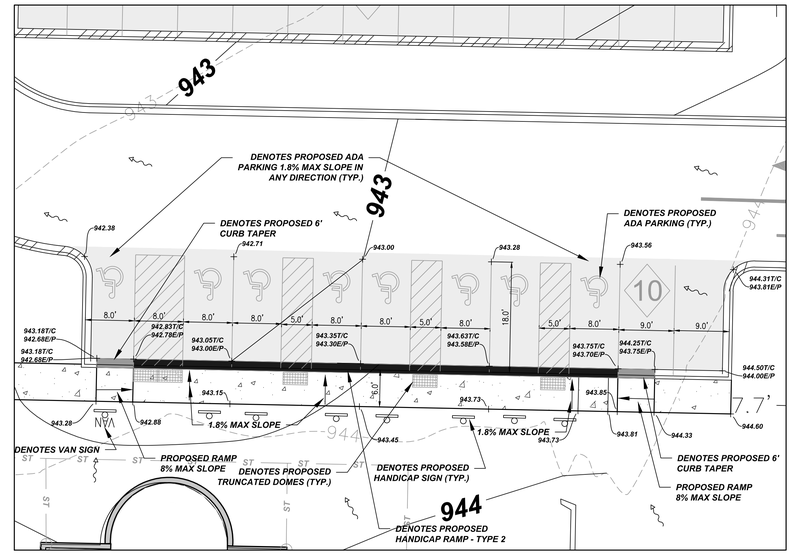


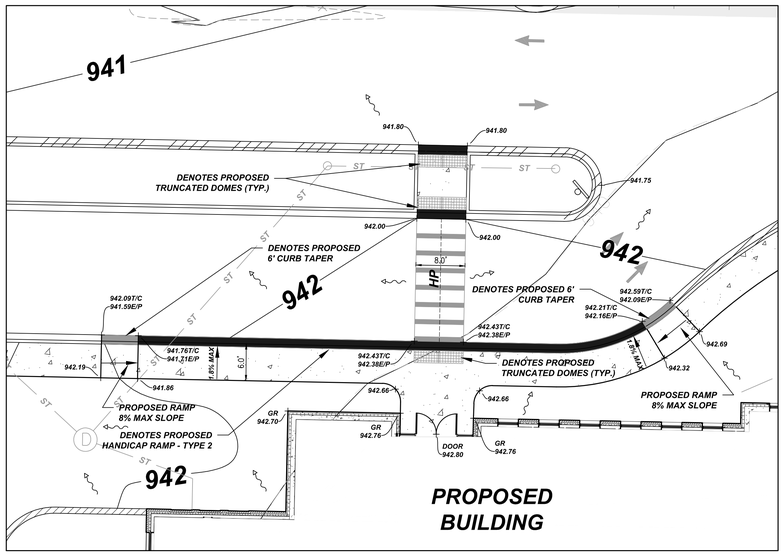
18 STORM CLEANOUT
NTS



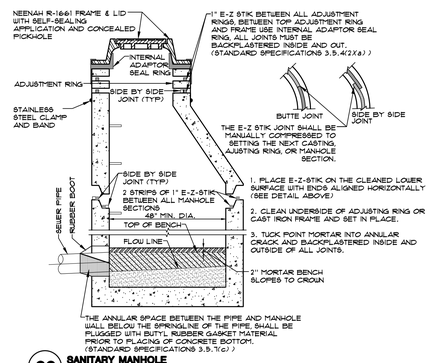
19 WEEP PIPE
NTS



20 HANDICAP PARKING DETAIL
SCALE: 1" = 10'



21 NORTH ENTRANCE DETAIL
SCALE: 1" = 10'



22 SANITARY MANHOLE
NTS

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Consultant:
Harwood Engineering Consultants
255 North 21st Street | Milwaukee, WI 53233
P 414.475.3304 | www.hecllc.com

Project:
St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:
CONSTRUCTION DETAILS

Phase:
Plan Commision

Scale:

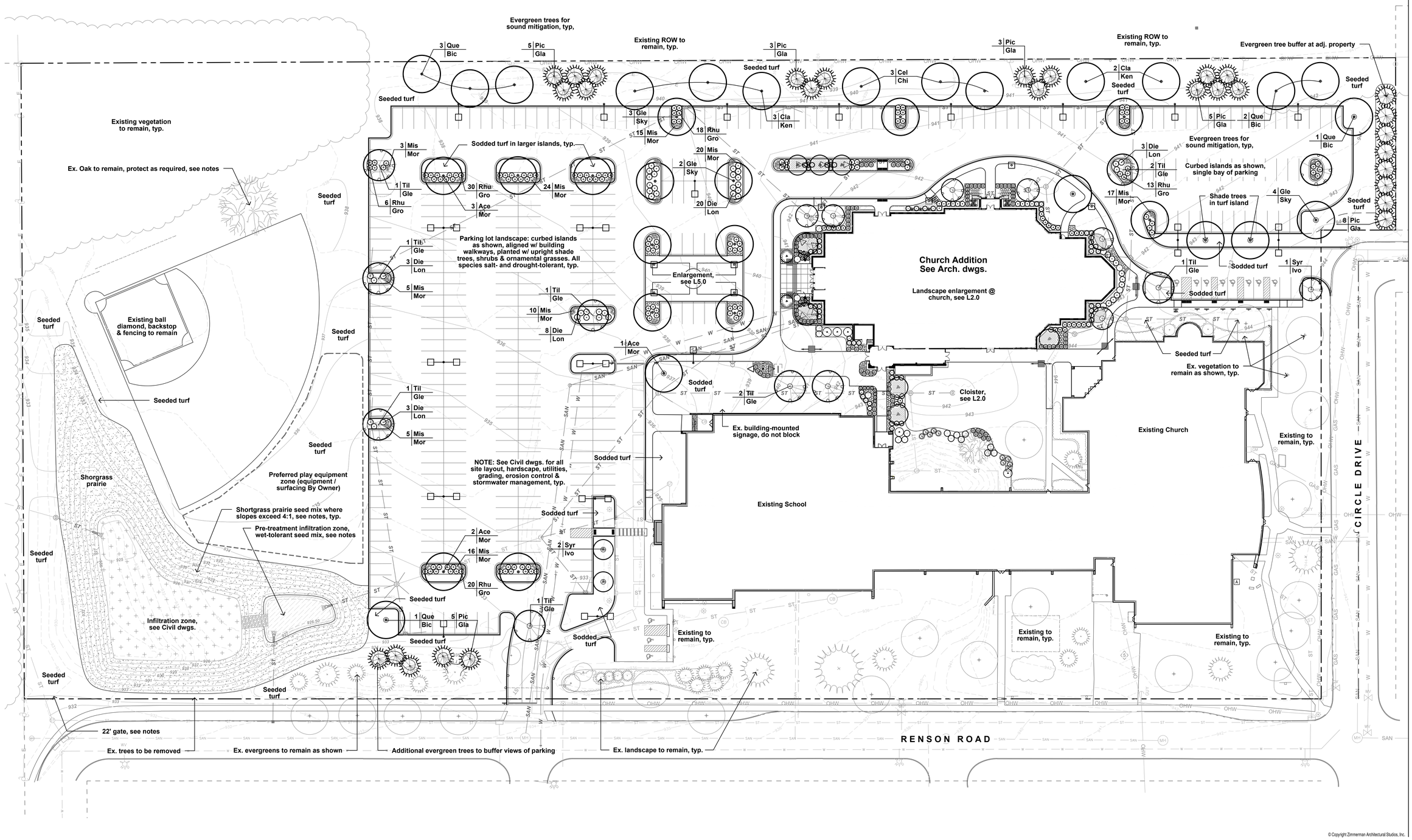
Revisions:

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

Date:
4.30.20

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:



0' 30' 60' N

Sheet:

Overall Landscape & Planting Plan

Phase:

Rebid Set

Scale:

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

Revisions:

No.	Date:	Description:
	05/12/2020	Revisions per Village

Date:

04/02/2020

Project No:

160088.01

Sheet No:

L1.0

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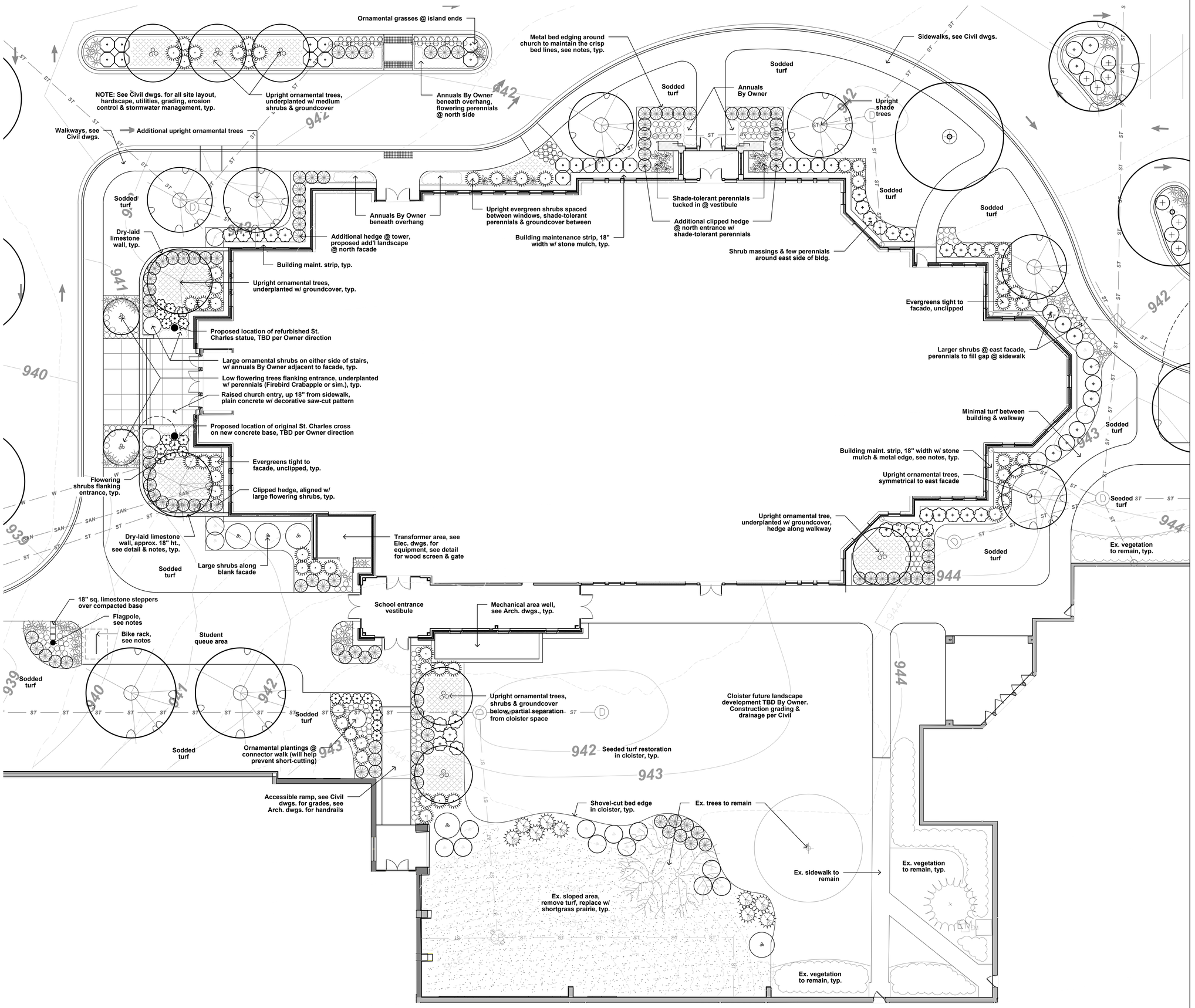

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Consultant:

Project:

St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



0' 5' 10' 20' N

Sheet:

Enlarged Landscape Plan

Phase:

Plan Commision

Scale:

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

Revisions:

No.	Date:	Description:

Date:

4.30.20

Project No:

160088.01

Sheet No:

L2.0

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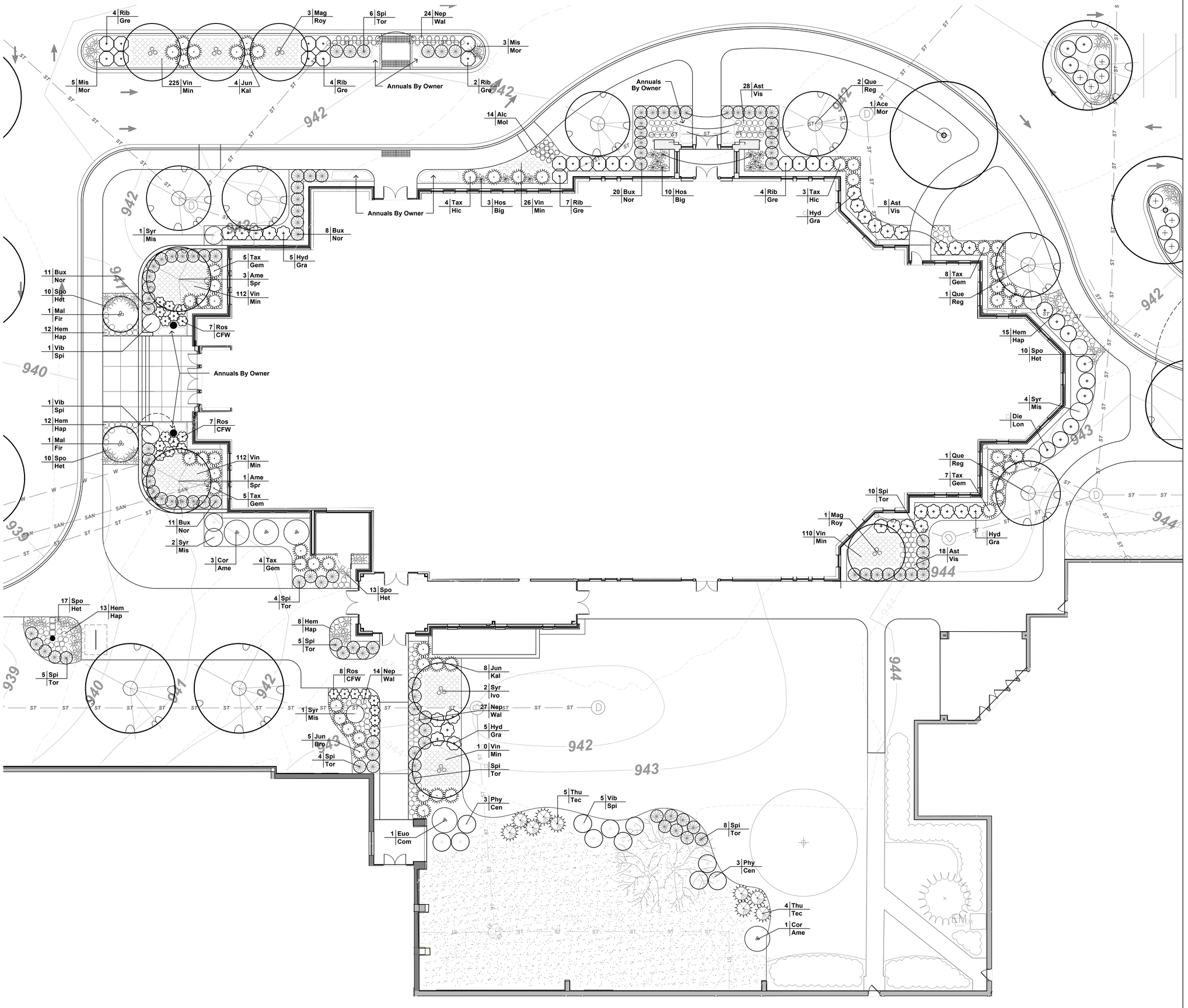

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Consultant:

Project:

St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



0' 5' 10' 20' N

Sheet:

Enlarged Planting Plan

Phase:

Plan Commision

Scale:

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

Revisions:

No:	Date:	Description:

Date:

4.30.20

Project No:

160088.01

Sheet No:

L2.1

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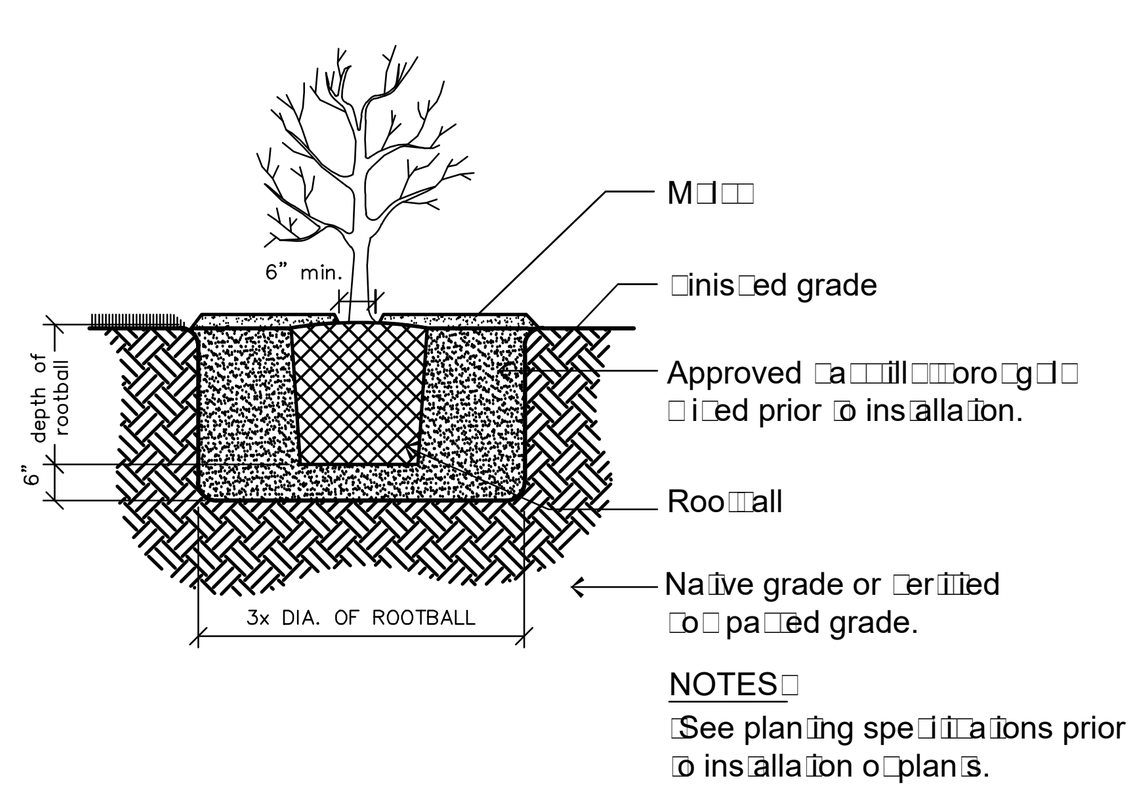
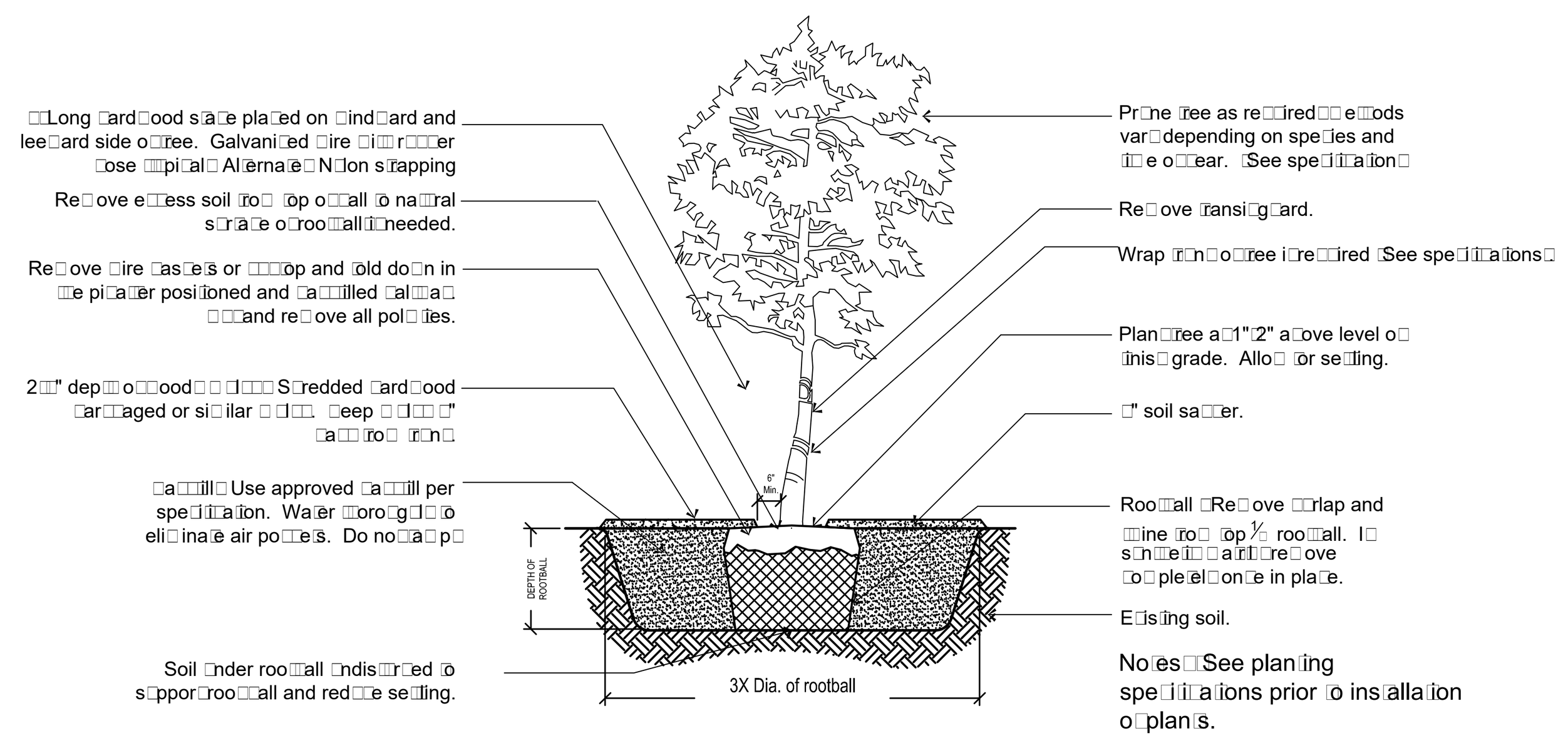
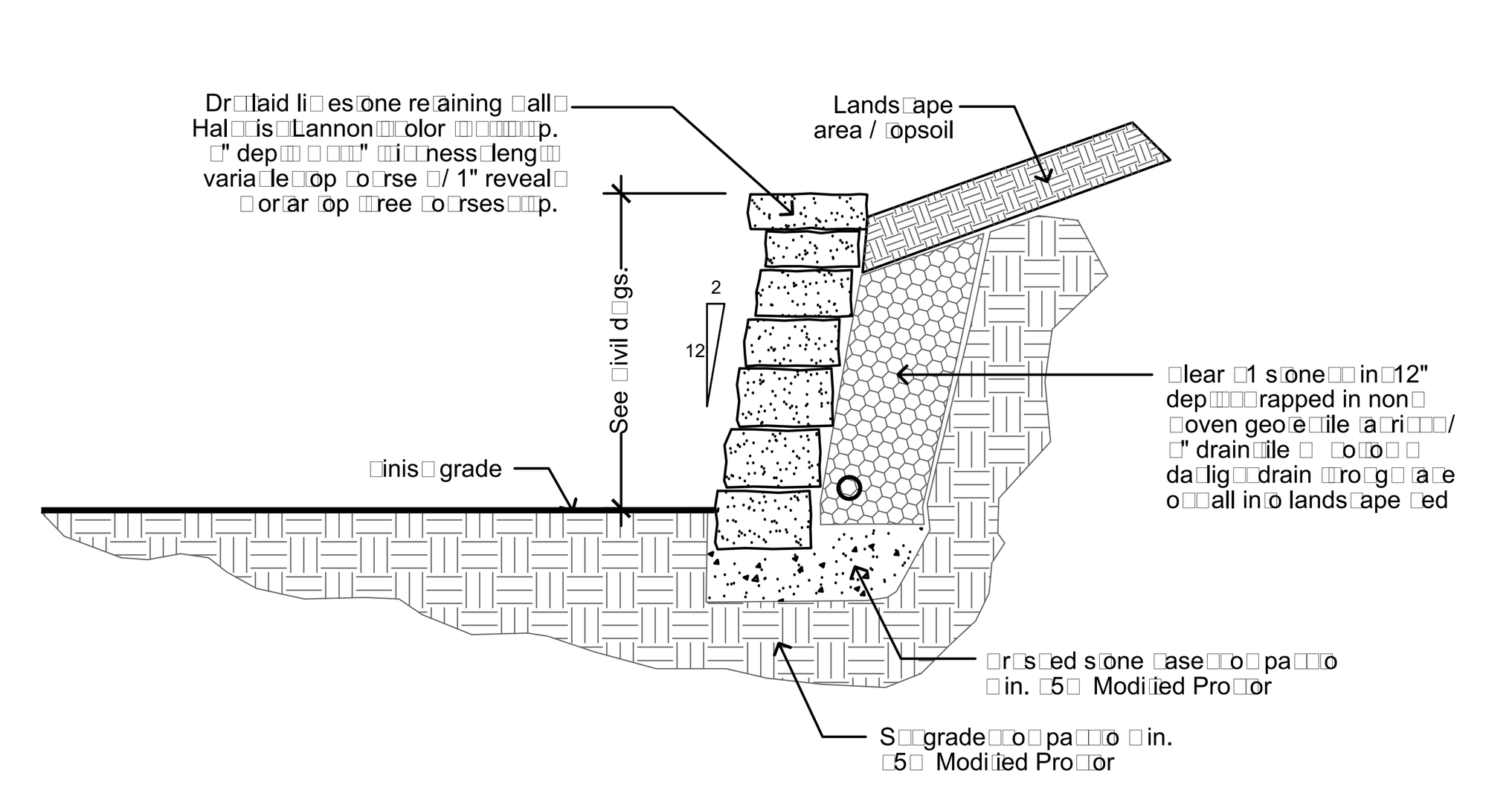


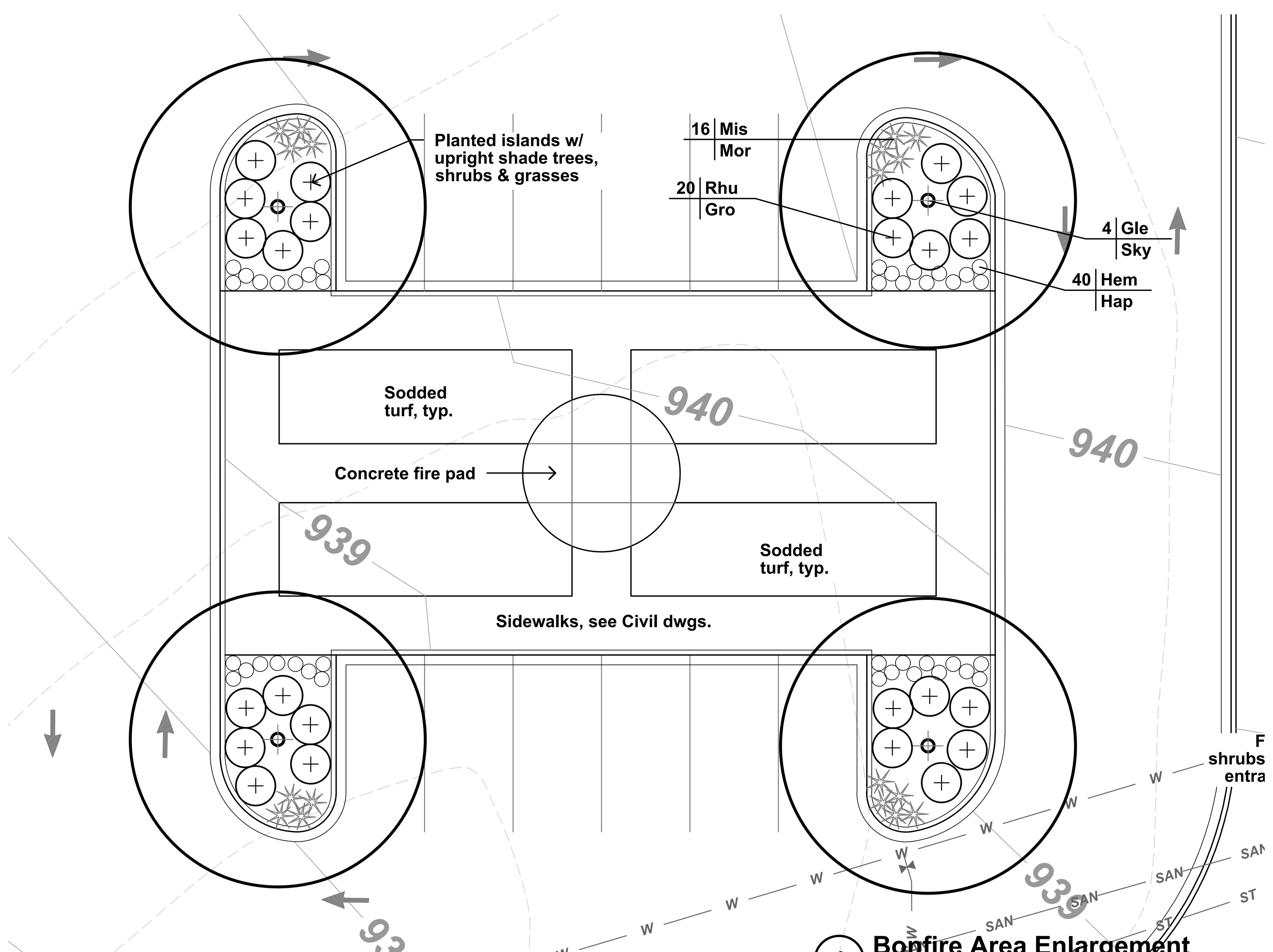
4 **Shrub Planting Detail**
Not To Scale



3 **Tree Planting Detail**
Not To Scale



2 **Dry Laid Limestone Wall**
Scale: □/□" = 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, storm water 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 etc.

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 lists. 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 Z60.1-200□). 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 1□". All turf, lowgrow or shortgrass prairie areas shall have min. □". 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, salinity & 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 □" layer of plant starter mix and perennial starter fertilizer rototilled into the top □" 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 1□". Only undyed bark mulch shall be used, no colored products or recycled wood shall be utilized.
-Stone mulch shall be installed in the 1□" wide maint. strip around the building perimeter and as indicated elsewhere. Stone mulch shall be 2□" 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 □/1□" x □" alum. mill finish. Permaloc "CleanLine" or "ProSlide" or approved equal.
-□" 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 for 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 plows, chisels, disks & harrows, soil finishers and/or other appropriate equipment until a reasonably even and loose seed bed 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. Confirm with seed suppliers specifications if required.

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

3.04 Seeds shall be PLS and will be mixed in accordance w/ mfrs 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 □:1 erosion matting shall be installed by others. Landscape installation shall be coordinated with the erosion control contractor.
-In areas with slopes between □:1 and □:1 landscape contractor shall apply clean oat 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 suppliers 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 matting 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, salinity & 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 suppliers specifications.

BLUEGRASS MIX:
"Deluxe 50 Mix" shall be supplied by Reinders, Sussex WI, 2□2-[illegible]01. Apply @ 5 lbs per 1000 GSF.

SHORTGRASS PRAIRIE MIX:
"Short Prairie for Medium Soils" shall be supplied by Prairie Nursery, Westfield WI, □00-[illegible]5□. Apply @ 10 lbs per Ac plus Annual Rye cover crop (5 lbs per Ac spring seeding or 15 lbs per Ac fall seeding.)

WET TOLERANT SEED MIX:
"Detention Basin Bioswale Seed Mix" shall be supplied by Prairie Nursery. 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 for 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 2□ mowings per year. Assume one fall overseeding in spring of the second year.

-All other seed areas (prairie) shall be for three years after installation. Work shall include all weeding with spot herbicide and/or hand pulling depending on necessity, spring / fall clean up & mowing. Expect □5 mowings in the first year, □ mowings in the second year and 2 mowings in the third year. All mowings shall be timed to [illegible] germinating weeds and non-desirable forbs / grasses. Overseed each spring any bare areas larger than 1 sf.

-Prior to beginning installation the contractor shall submit a [illegible] 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 new baseball field. Prior to beginning construction, contractor shall confirm with Owner whether to stockpile or demolish play equipment.

4.02 Baseball backstop & side fencing (E). 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. □" dia. corner / gate posts. Line posts shall be spaced @ max. 10' o.c. & driven to min. 5' depth. Corner / gate posts shall be concrete set w/ min. 12" dia. x □□" depth footings. Materials shall be Wheatland WT□0 or approved equal, black vinyl finish.
-Horizontals: Top rail shall be min. 1 5/□" dia. Wheatland WT□0 or approved equal, black vinyl finish. Bottom shall be tension wire.
-Fabric: Shall be □ gauge steel mesh, □2" openings, class 2□ thermally fused and bonded, color black, □□ selvage top & bottom.
-Gates: Width per plan. Construct w/ triangulated frames, 2" dia. Type w/ fully welded & gusseted corners, paint color TBD. Footings shall be min. 12" dia. x □□" depth. Gates shall include locking hardware to secure in both closed and open positions.

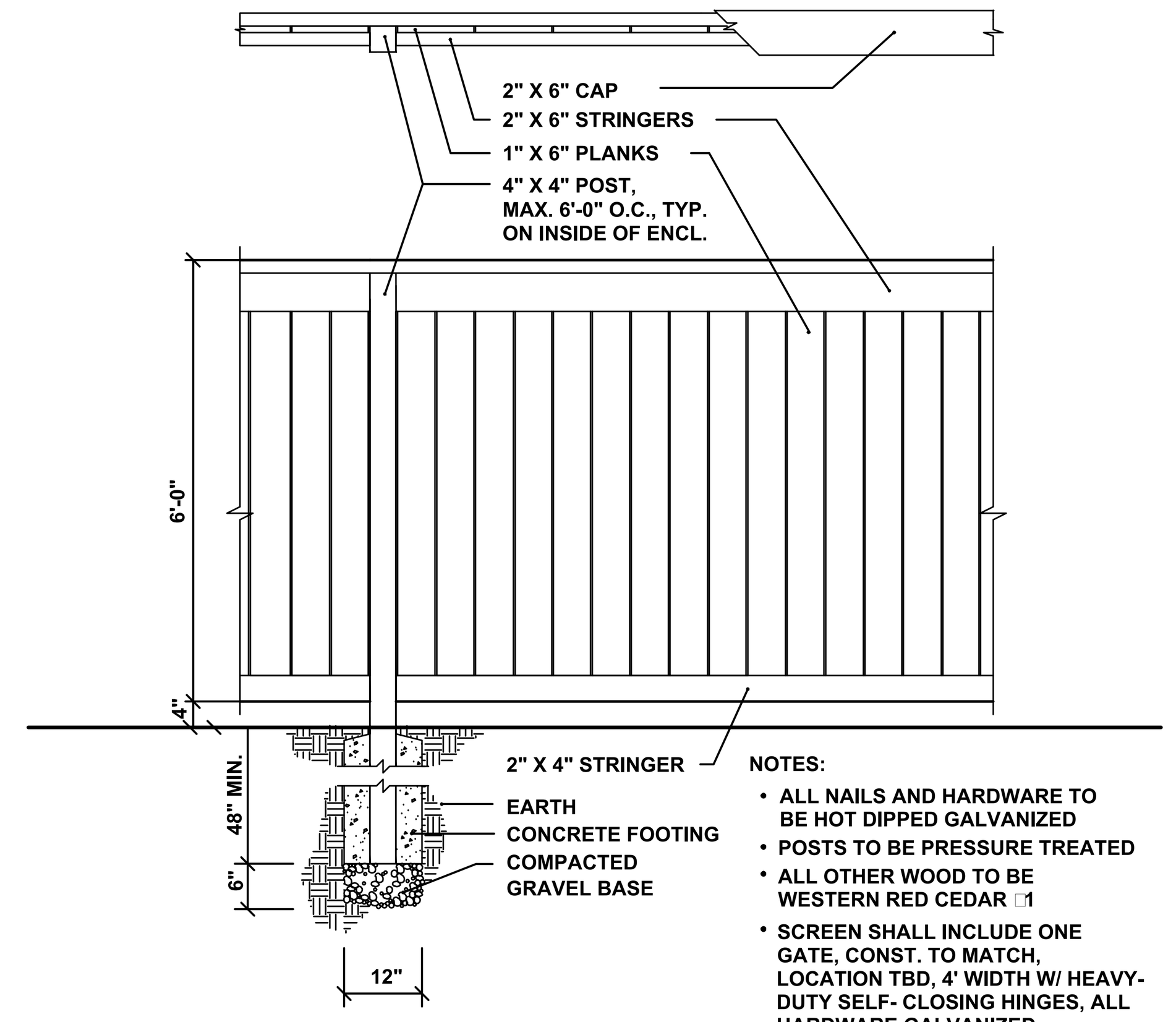
4.04 Bike rack: Shall be Heavy Duty Winder, □ capacity, black powder coat finish. Available from Madrax, Madison WI, □00-[illegible]1. Or approved equal. Surface mount where indicated on plans.

4.05 Flag pole: Shall be □5'. Clear anodized, 1 or 2 piece w/ internal halyard. Eder Flag (E)SA□5IH, available from The Flag Center, Wauwatosa WI, [illegible]. Or approved equal. Install per mfr. recs.

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 miyabei 'Morton'	State Street Maple	3" Cal.	B/B	As Shown	
Cel Chi		Celtis occidentalis 'Chicagoland'	Chicagoland Hackberry	3" Cal.	B/B	As Shown	
Cla Ken		Cladastrus kentuckea	Yellowwood	3" Cal.	B/B	As Shown	
Que Bic		Quercus bicolor	Swamp White Oak	4" Cal.	B/B	As Shown	
Que Reg		Quercus robur 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 Gle		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 'Firebird'	Firebird 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		Pices 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	
Tax Hic		Taxus x. media 'Hicksii'	Hick's Upright Yew	48" Ht.	B/B	As Shown	
Thu Tec		Thuja occidentalis 'Technito'	Technito Dwarf Arborvitae	5' Ht.	B/B	As Shown	
Deciduous Shrubs							
Die Lon		Diervilla lonicera 'Jewell'	Jewell Dwfbush Honeysuckle	18-24" Ht.	2 Gal.	54" o.c.	
Hyd Gra		Hydrangea grandiflora 'Snowhill'	Snowhill Hydrangea	18-24" Ht.	2 Gal.	48" o.c.	
Phy Cen		Physocarpus 'Center Glow'	Center Glow Ninebark	24-30" Ht.	7 Gal.	60" o.c.	
Rhu Gro		Rhus aromatica 'Gro Low'	Gro-Low Fragrant Sumac	15-18" 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 Spi		Viburnum carlesii 'Spiced Bouquet'	Spiced Bouquet Comp. Kspice 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 Bro		Juniperus sabina 'Broadmoor'	Broadmoor Juniper	24" sprd.	7 Gal.	48" o.c.	
Jun Kal		Juniperus chinensis 'Kallay Compact'	Kallay Compact Juniper	24" sprd.	7 Gal.	54" o.c.	
Tax Gem		Taxus x. media 'Gem'	Gem Densiform Yew	24" sprd.	7 Gal.	54-60" 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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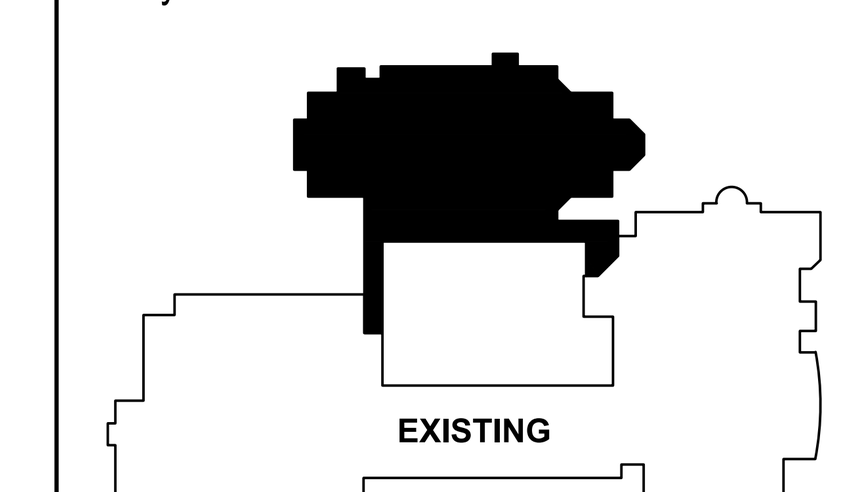



Sheet:
Landscape Enlargement, Details, Schedules & Notes

Phase:
Plan Commision

Scale:
As Shown @ 42x30"

Revisions:

No:	Date:	Description:
2	01/0□/2020	Addend□□ □□

Date:
4.30.20

Project No:
160088.01

Sheet No:
L5.0

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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 BUILDING(S) 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.
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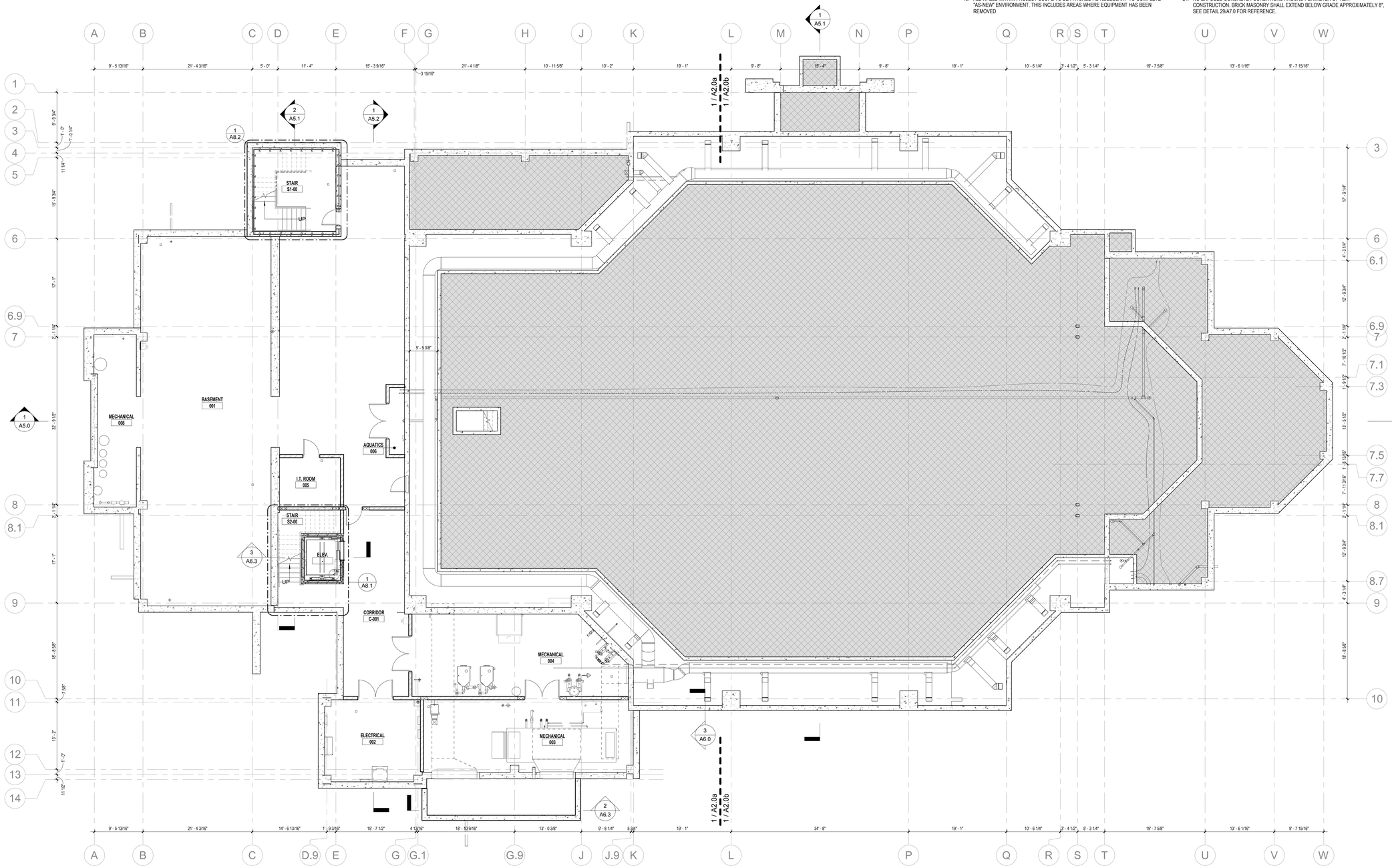

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Consultant:

Project:

St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



N

Sheet:

BASEMENT FLOOR PLAN - OVERALL

Phase:

Plan Commision

Scale:

1/8" = 1'-0"

Revisions:

No.	Date:	Description:

Date:

4.30.20

Project No:

160088.01

Sheet No:

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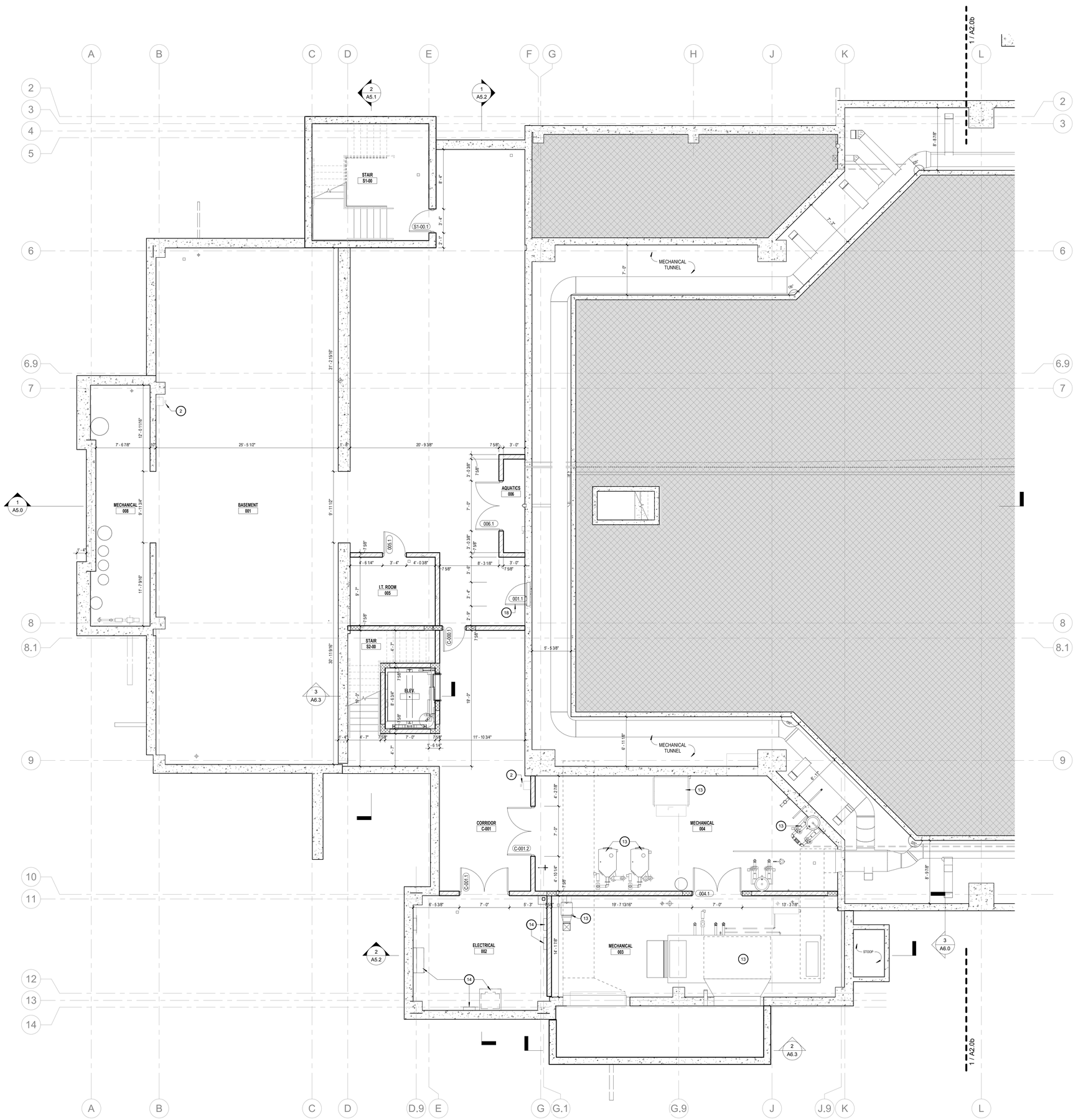

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BASEMENT FLOOR PLAN - AREA A

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Plan Commision

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

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No.	Date:	Description:

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Project No:
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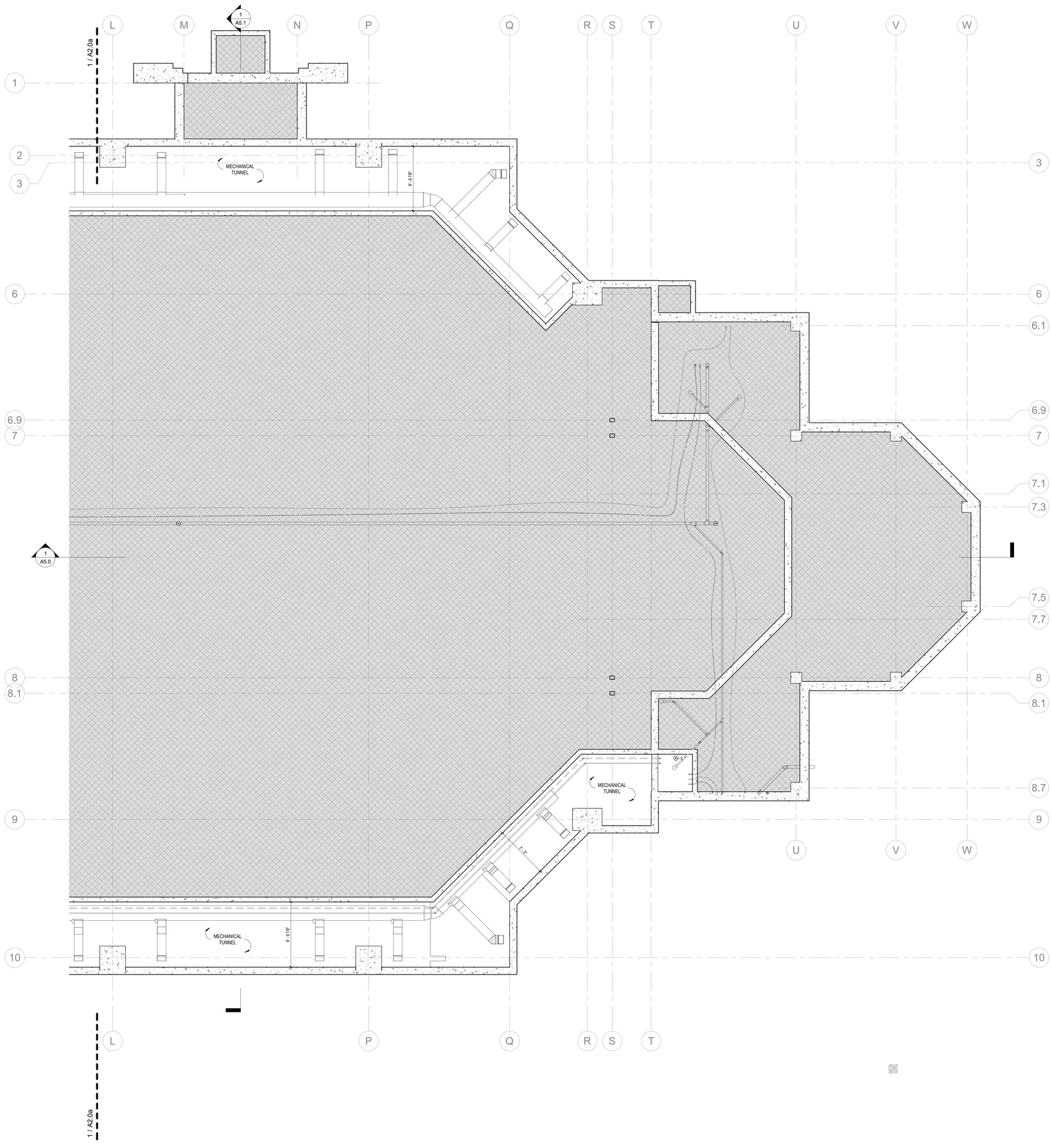

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Sheet:

BASEMENT FLOOR PLAN - AREA B

Phase:

Plan Commision

Scale:

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Revisions:

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Project No:

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BID ALTERNATE #2: PORTE COCHERE (CANOPY)

BID ALTERNATE #1: EAST/WEST CORRIDOR CONNECTOR

BID ALTERNATE #3: NORTH/SOUTH CORRIDOR CONNECTOR

SEE X/X.X FOR ADA RAMP HANDRAIL DETAILS

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Sheet:

FIRST FLOOR PLAN - OVERALL

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Plan Commision

Scale:

1/8" = 1'-0"

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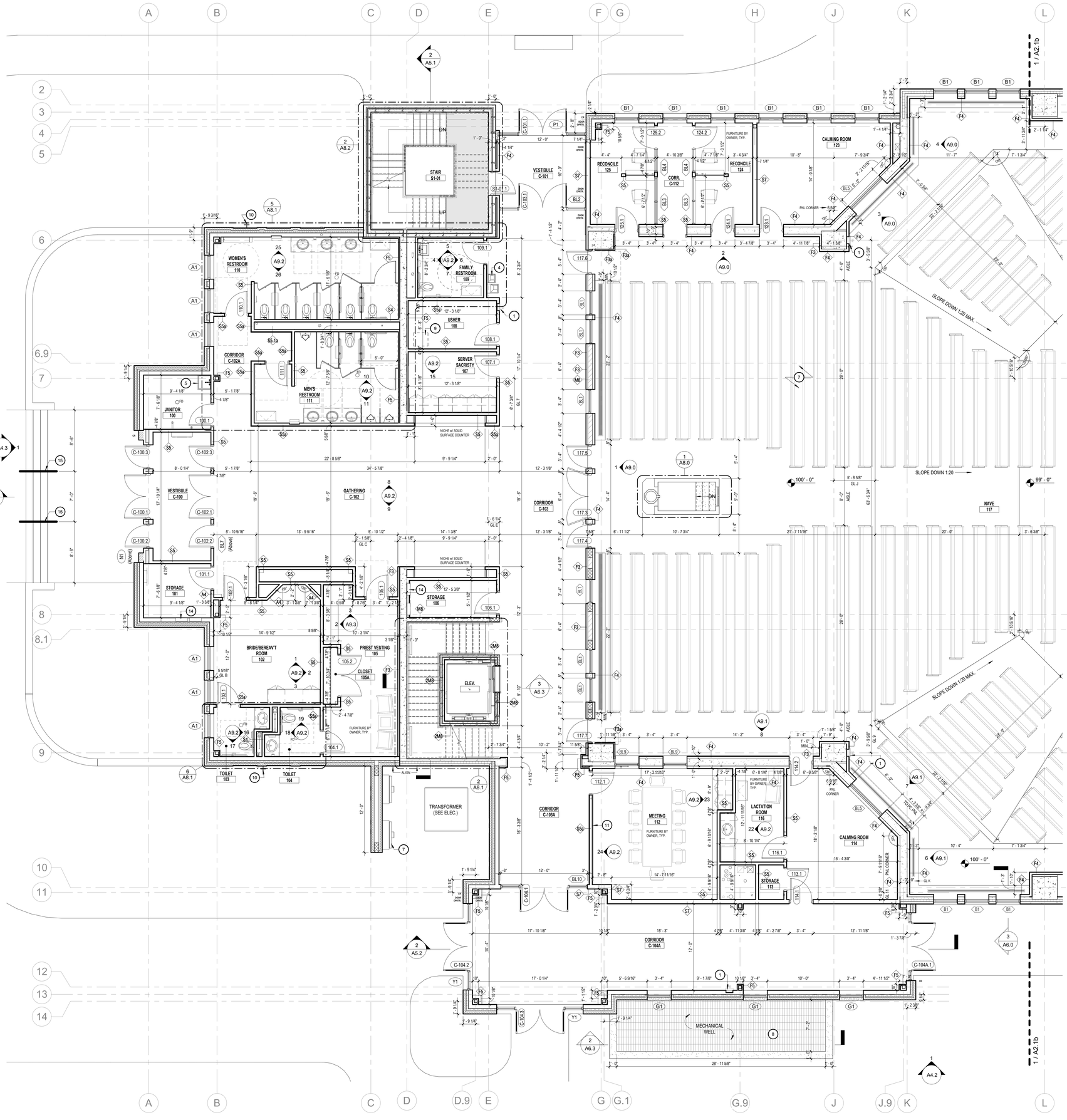

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FIRST FLOOR PLAN - AREA A

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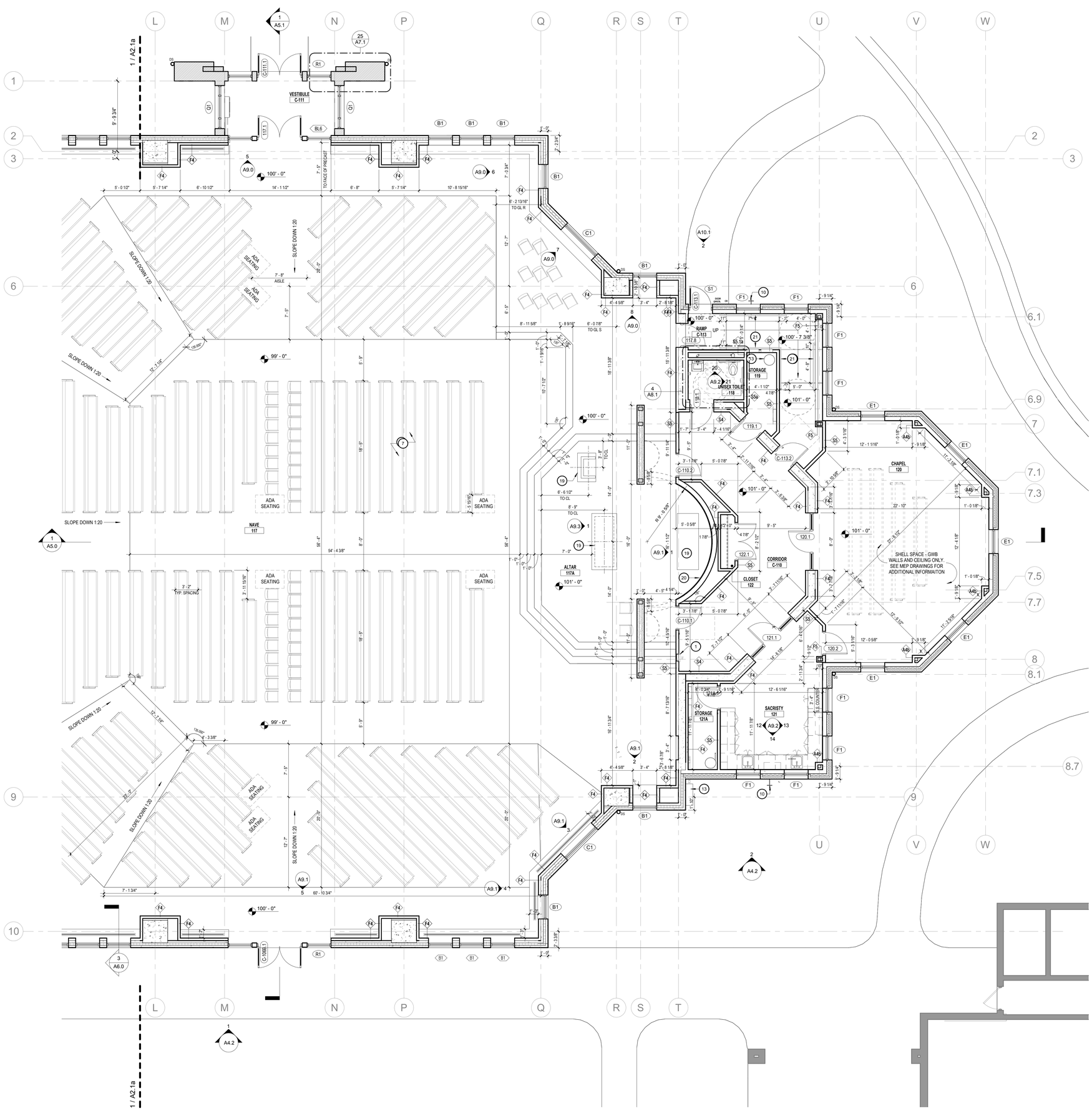

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FIRST FLOOR PLAN - AREA B

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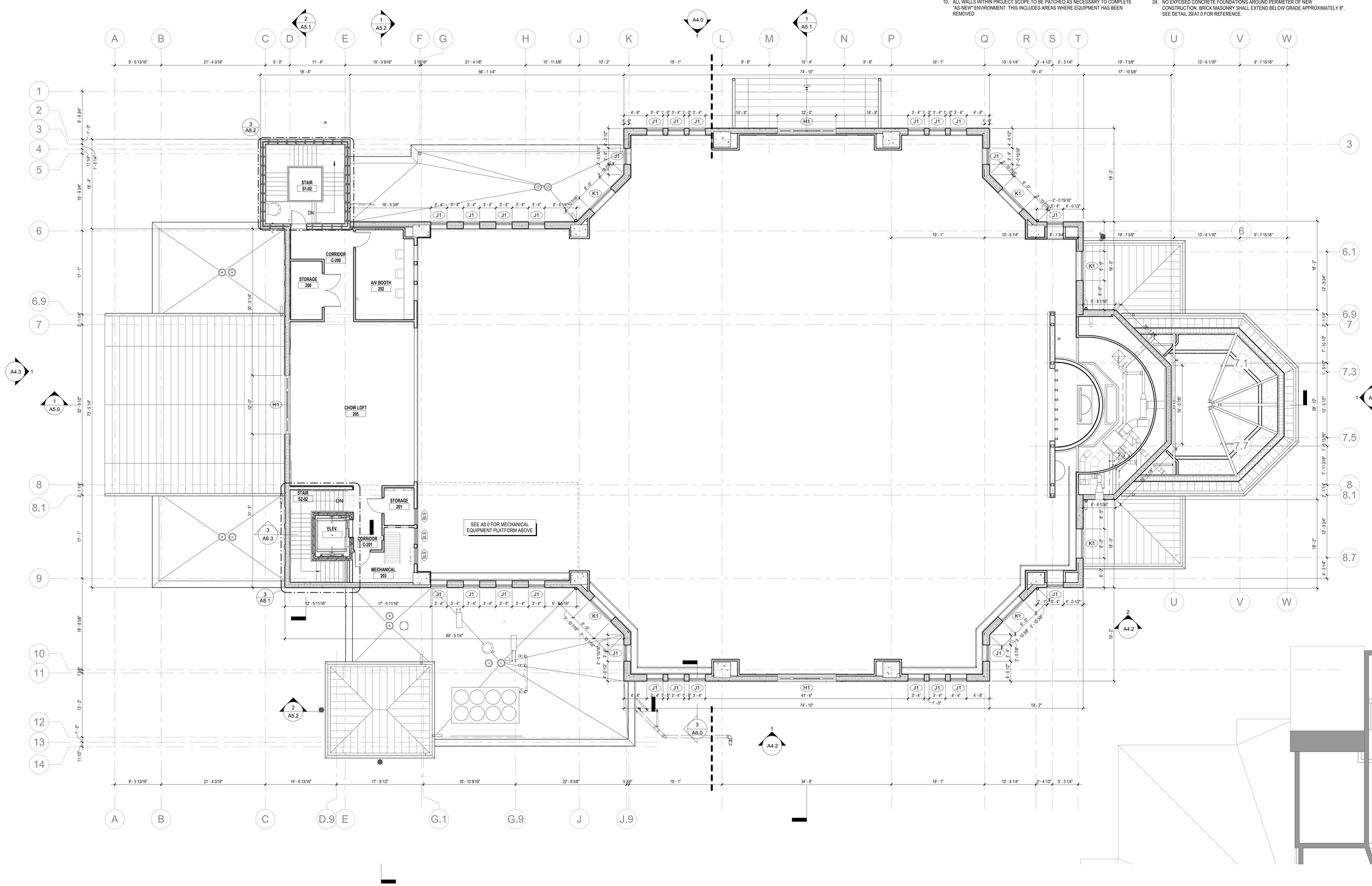

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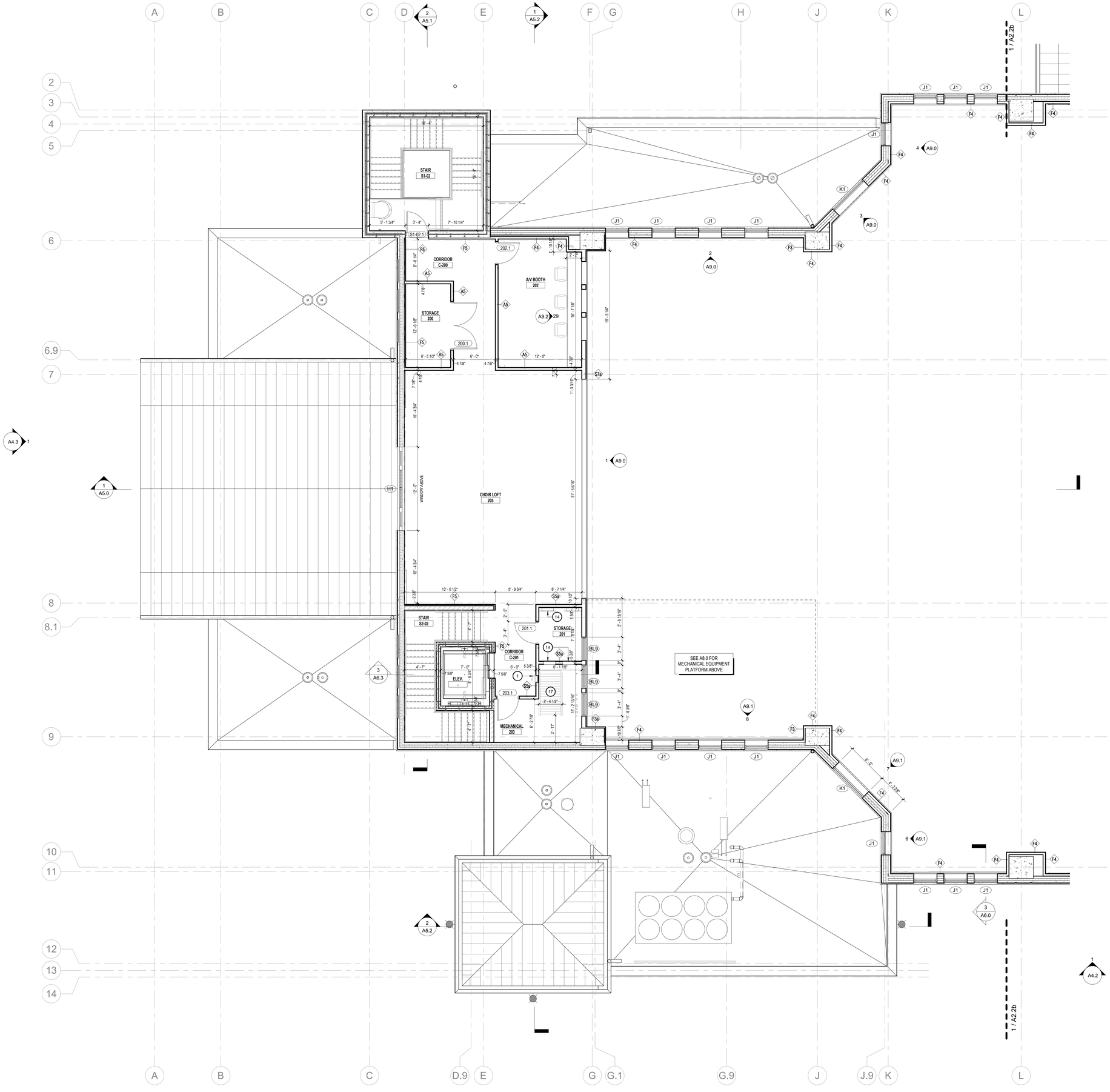

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11	GLASS MARKER BOARD - SEE INT. ELEVATIONS, MATERIAL LEGEND, RFS.
13	MECHANICAL EQUIP. - SEE MECHANICAL DRAWINGS.
14	ELECTRICAL EQUIP. - SEE ELECTRICAL DRAWINGS.
15	STEEL EXTERIOR PIPE RAILING (PAINTED).
17	SHIPS LADDER FOR MECHANICAL PLATFORM ACCESS.
18	1/2 HEIGHT DOOR FOR TUNNEL ACCESS. SILL AT 5'-6" 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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Consultant:

Project:

St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



Sheet:

CHOIR LOFT - AREA A

Phase:

Plan Commision

Scale:

3/16" = 1'-0"

Revisions:

No.	Date:	Description:

Date:

4.30.20

Project No:

160088.01

Sheet No:

A2.2a

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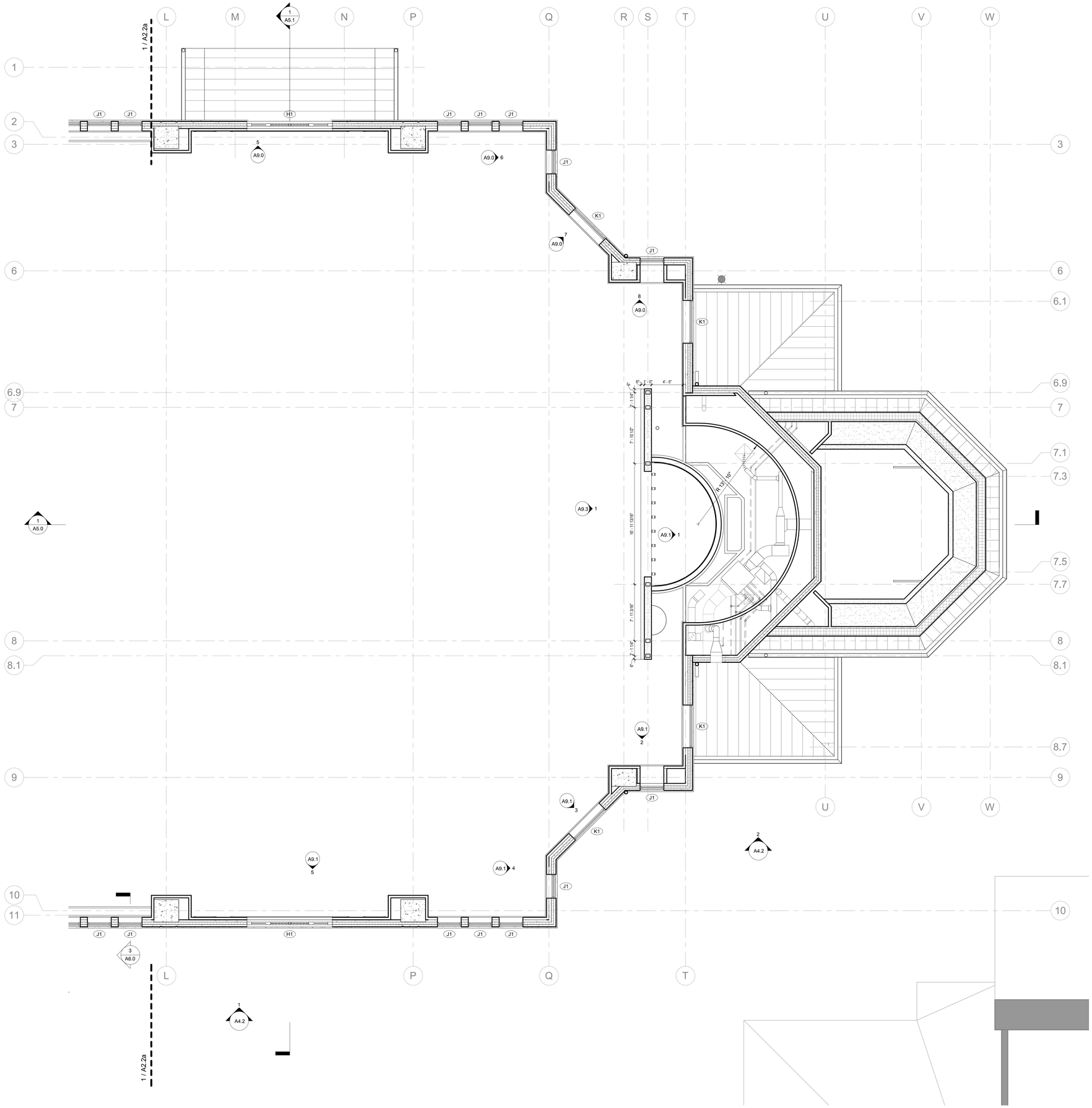
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J1
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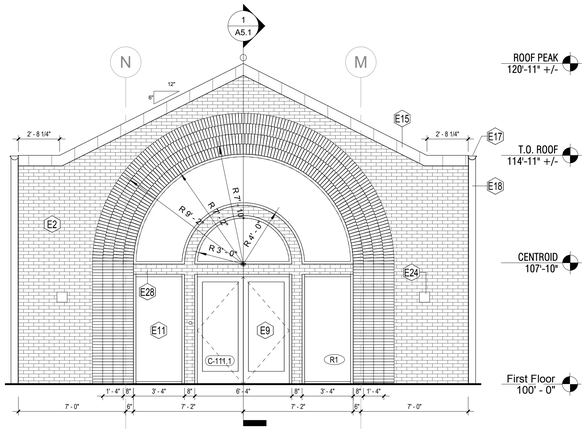

2 ENLARGED NORTH ENTRY ELEVATION
1/4" = 1'-0"

ELEVATION KEYNOTES	
KEY	KEYNOTE DESCRIPTION
E1	PRECAST CONCRETE WALL w/ THIN SET MODULAR BRICK MASONRY UPPER PANEL (RUNNING BOND) AND LOWER 36"x18" PATTERN BASE (FORM LINER) INCLUDING A CONTINUOUS 8" CONCRETE BAND. ETCHED/PIGMENTED LOWER PANEL AND THIN SET MASONRY UPPER PANEL COLOR TO MATCH EXISTING CHURCH (TAWNY BEIGE).
E2	MODULAR BRICK MASONRY/STEEL STUD CAVITY WALL. COLOR TO MATCH EXISTING CHURCH (TAWNY BEIGE).
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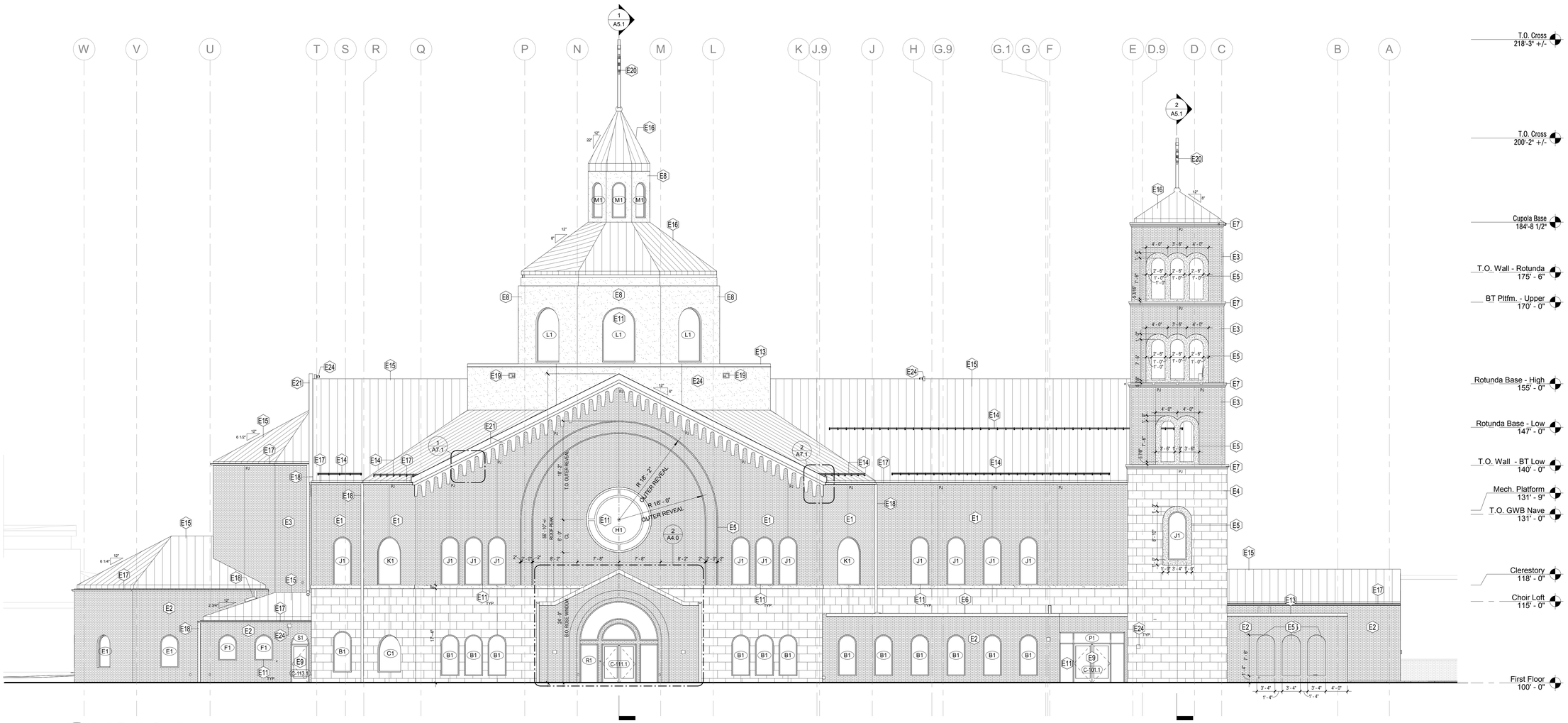
E4	PRECAST CONCRETE WALL PANEL w/ 36"x18" RUNNING BOND PATTERN (FORM LINER). ETCHED/PIGMENTED PANEL COLOR TO MATCH EXISTING CHURCH (TAWNY BEIGE).
E5	1" RECESS IN WALL PANEL. EXPOSED CONCRETE TO BE COLORED/ETCHED TO MATCH LOWER PANEL WITH FORM LINER.
E6	CAST STONE SILL
E7	CAST STONE CORNICE
E8	EIFS CLADDING
E9	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: MEDIUM BRONZE)
E11	ANODIZED ALUMINUM STOREFRONT GLAZING SYSTEM (COLOR: MEDIUM BRONZE)
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 6" GUTTER
E18	6" ROUND DOWNSPOUT
E19	OVERFLOW SCUPPER (FLASH PER SMACNA STANDARDS)
E20	CHURCH CROSS - BY OWNER
E21	FYPON DENTILS/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)
E28	MEDIUM BRONZE 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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Location:
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Hartland, WI 53029

Key Plan:



Sheet:

EXTERIOR ELEVATIONS - NORTH

Phase:

Plan Commision

Scale:

As indicated

Revisions:

No.	Date:	Description:

Date:

4.30.20

Project No:

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Sheet No:

A4.0

ELEVATION KEYNOTES	
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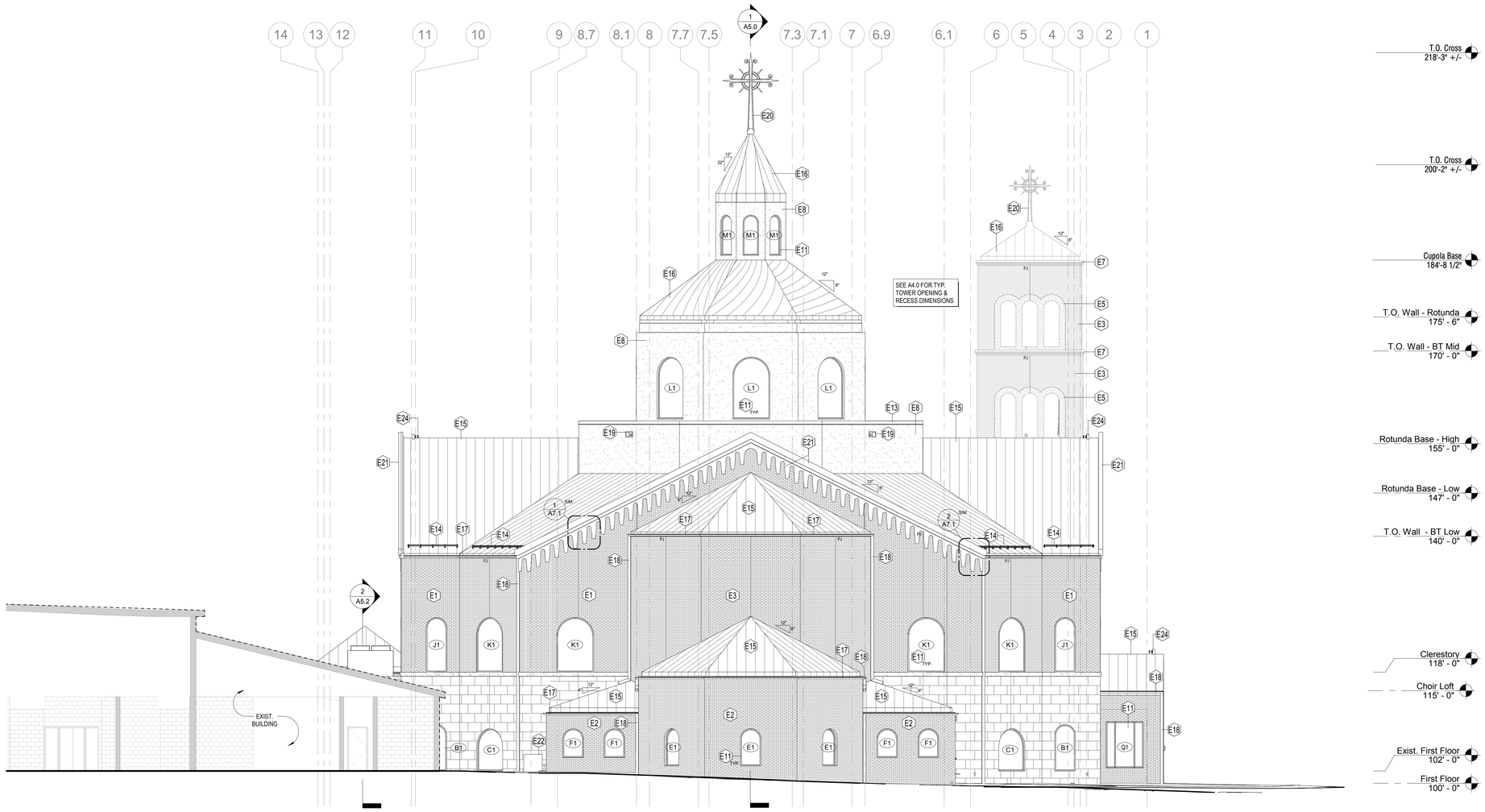
E30	PROVIDE FALL PROTECTION ADJACENT TO MECHANICAL EQUIP. MOUNTED TO ROOF DECK.



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

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Sheet:

EXTERIOR ELEVATIONS - EAST

Phase:

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1/8" = 1'-0"

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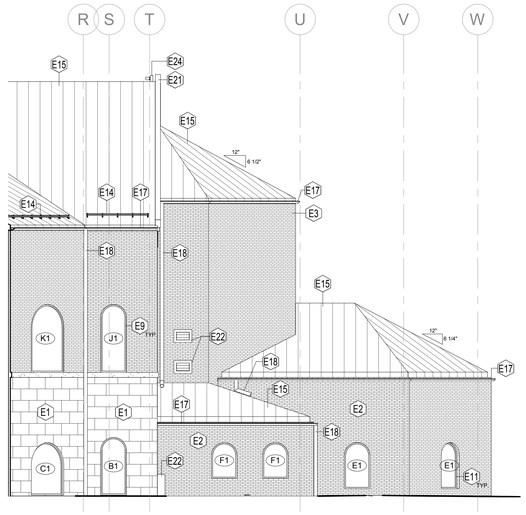

2 SOUTH ELEVATION @ ALCOVE
1/8" = 1'-0"

ELEVATION KEYNOTES	
KEY	KEYNOTE DESCRIPTION
E1	PRECAST CONCRETE WALL w/ THIN SET MODULAR BRICK MASONRY UPPER PANEL (RUNNING BOND) AND LOWER 36"x18" PATTERN BASE (FORM LINER) INCLUDING A CONTINUOUS 8" CONCRETE BAND. ETCHED/PIGMENTED LOWER PANEL AND THIN SET MASONRY UPPER PANEL COLOR TO MATCH EXISTING CHURCH (TAWNY BEIGE).
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E9	ANODIZED ALUMINUM STOREFRONT DOOR (COLOR: MEDIUM BRONZE)
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E14	PREFINISHED ALUMINUM SNOW GUARD
E15	METAL STANDING SEAM ROOFING SYSTEM (COLOR: TERACOTTA)
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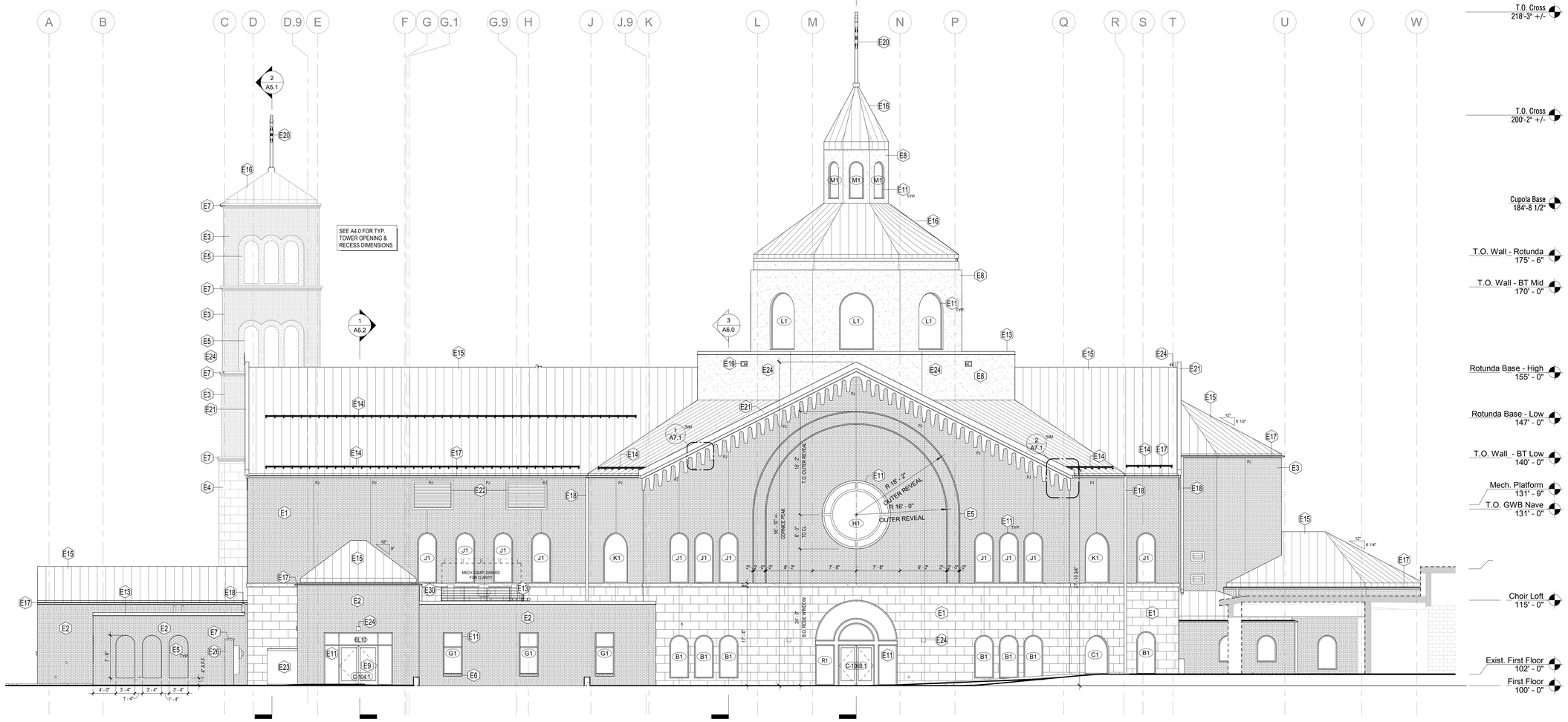

1 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"

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Consultant:

Project:

St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



Sheet:

EXTERIOR ELEVATIONS - SOUTH

Phase:

Plan Commision

Scale:

1/8" = 1'-0"

Revisions:

No.	Date:	Description:

Date:

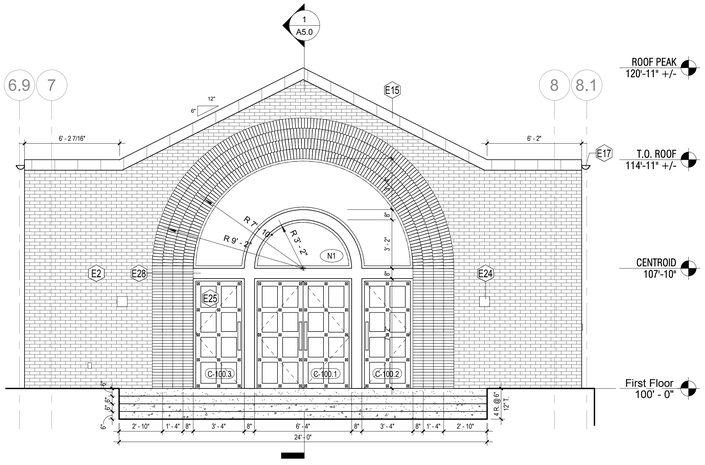
4.30.20

Project No:

160088.01

Sheet No:

A4.2



2 ENLARGED WEST ENTRY ELEVATION
1/4" = 1'-0"

ELEVATION KEYNOTES	
KEY	KEYNOTE DESCRIPTION
E1	PRECAST CONCRETE WALL w/ THIN SET MODULAR BRICK MASONRY UPPER PANEL (RUNNING BOND) AND LOWER 36"x18" PATTERN BASE (FORM LINER) INCLUDING A CONTINUOUS 8" CONCRETE BAND. ETCHED/PIGMENTED LOWER PANEL AND THIN SET MASONRY UPPER PANEL COLOR TO MATCH EXISTING CHURCH (TAWNY BEIGE).
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E21	FYPON DENTILS/CORNICE
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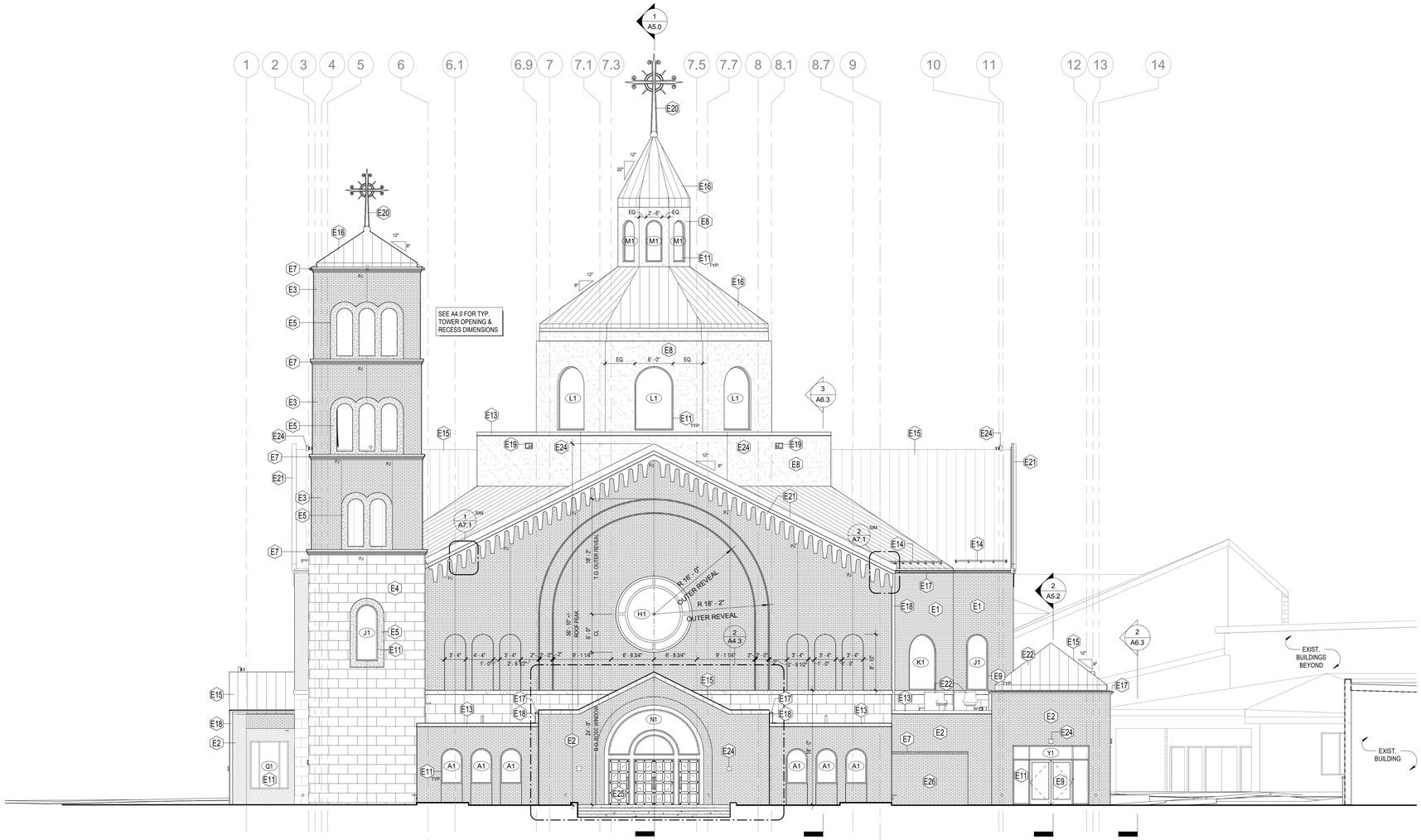

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Consultant:

Project:

St. Charles Church Addition

Location:
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Hartland, WI 53029

Key Plan:



Sheet:

EXTERIOR ELEVATIONS - WEST

Phase:

Plan Commision

Scale:

As indicated

Revisions:

No.	Date:	Description:

Date:

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Project No:

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Sheet No:

A4.3

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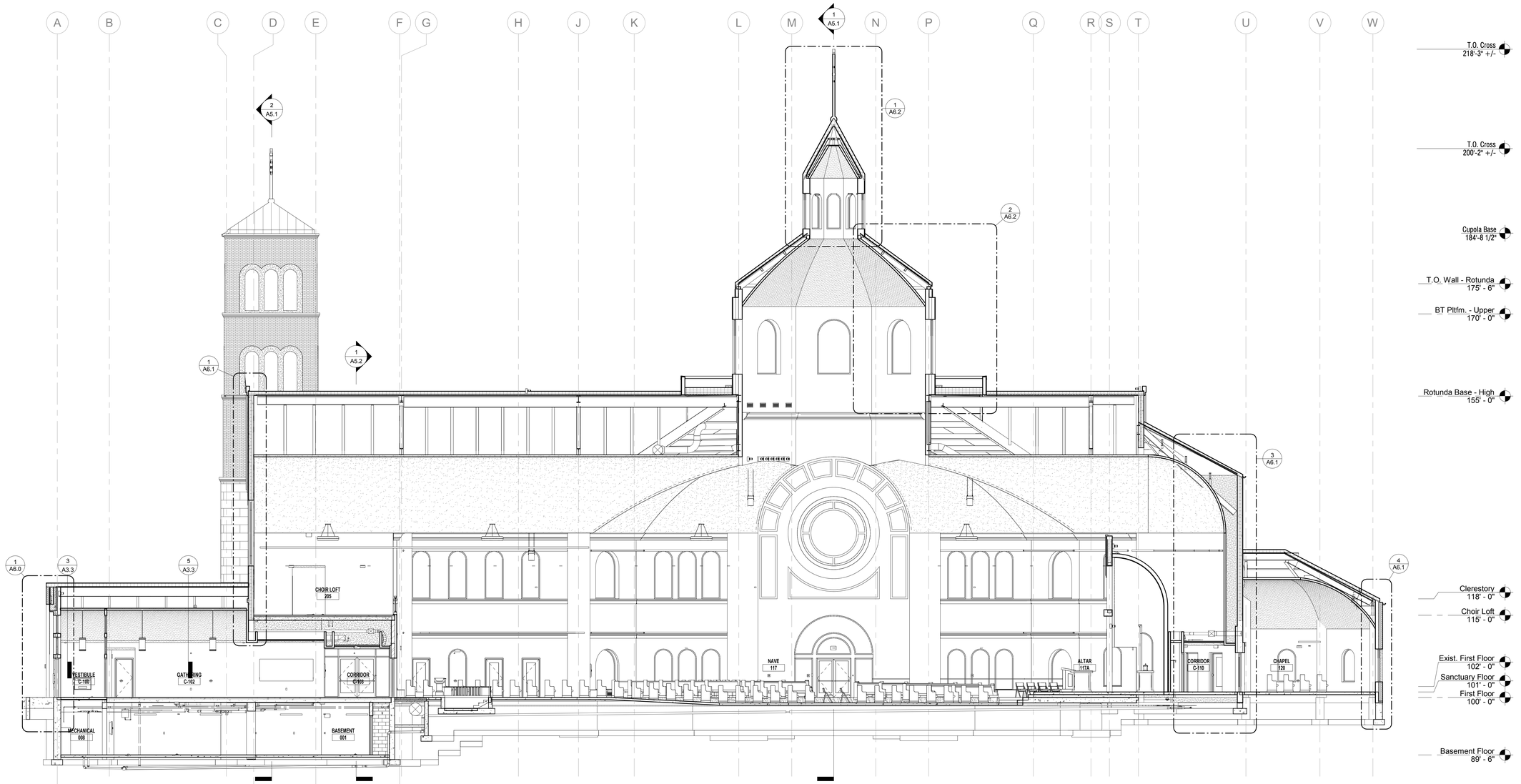

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Consultant:

Project:

St. Charles Church Addition

Location:
313 Circle Drive
Hartland, WI 53029

Key Plan:



Sheet:

BUILDING SECTIONS

Phase:

Plan Commision

Scale:

1/8" = 1'-0"

Revisions:

No.	Date:	Description:

Date:

4.30.20

Project No:

160088.01

Sheet No:

A5.0

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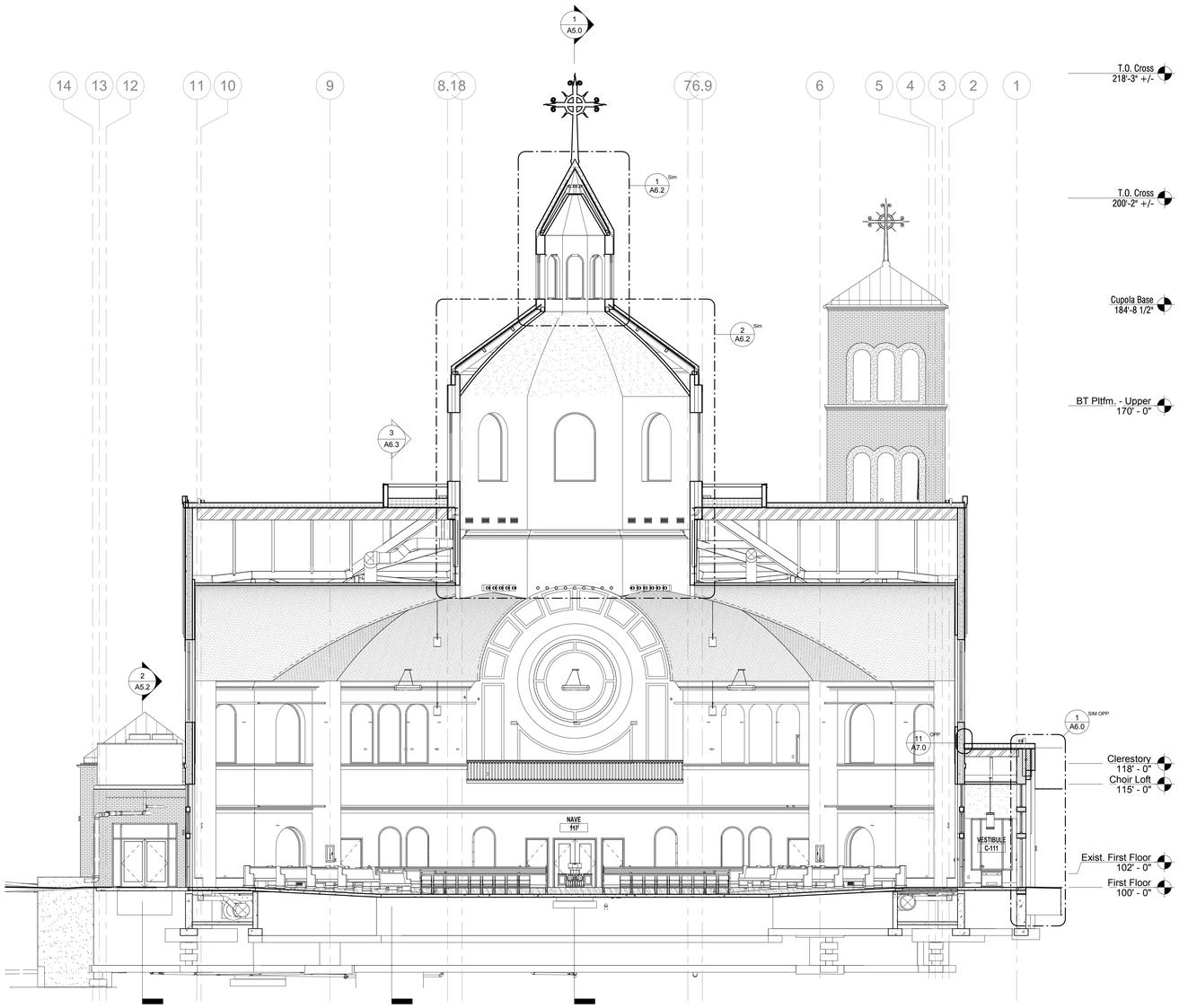
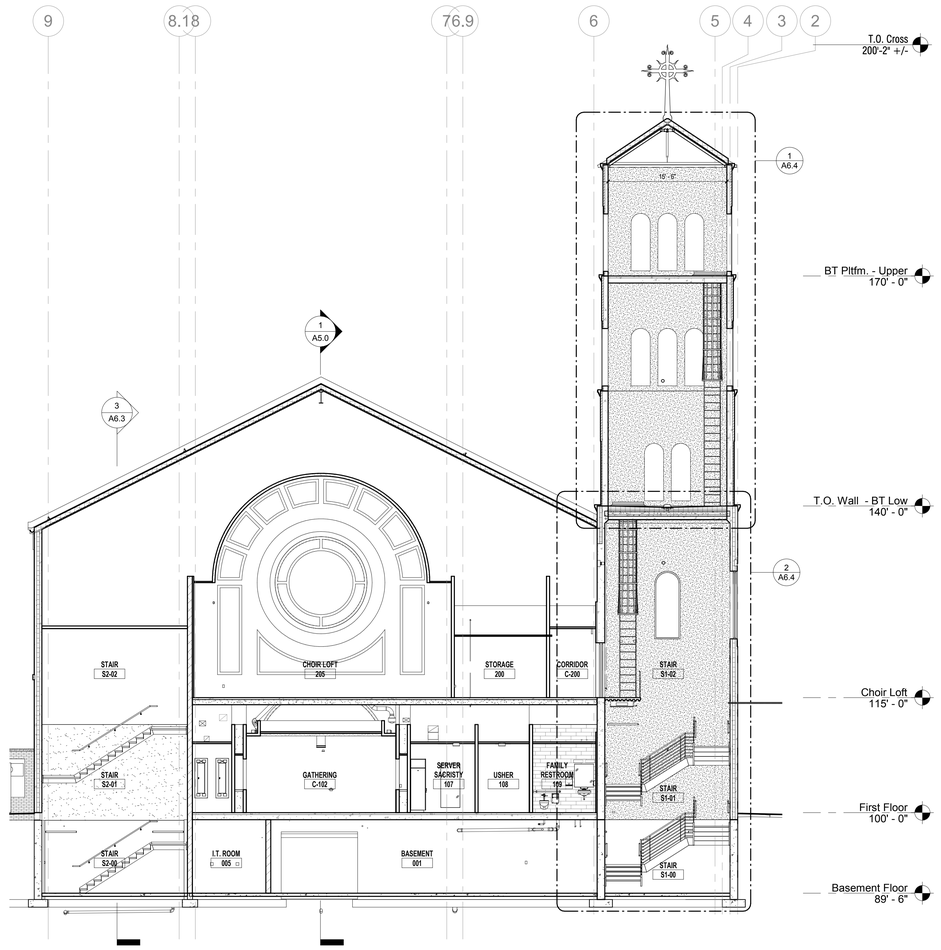


1 N-S BUILDING SECTION 01

1/8" = 1'-0"



2 SECTION @ BELL TOWER/STAIR

1/8" = 1'-0"

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Sheet:

BUILDING SECTIONS

Phase:
Plan Commision

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

Revisions:

No.	Date:	Description:

Date:
4.30.20

Project No:
160088.01

Sheet No:

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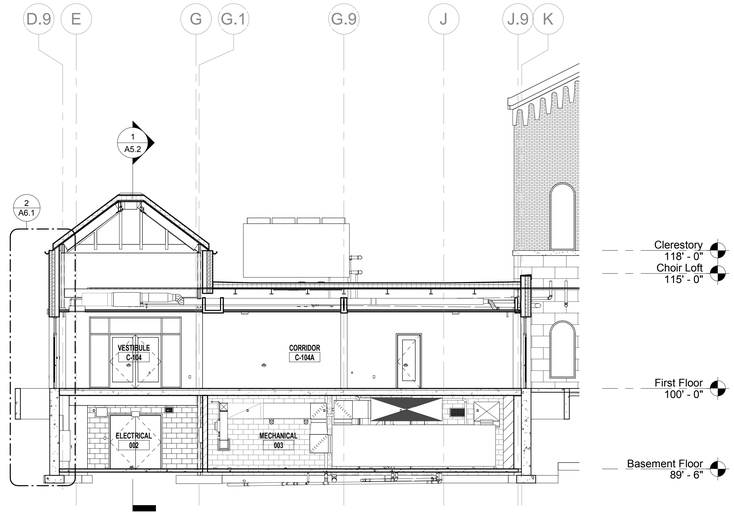
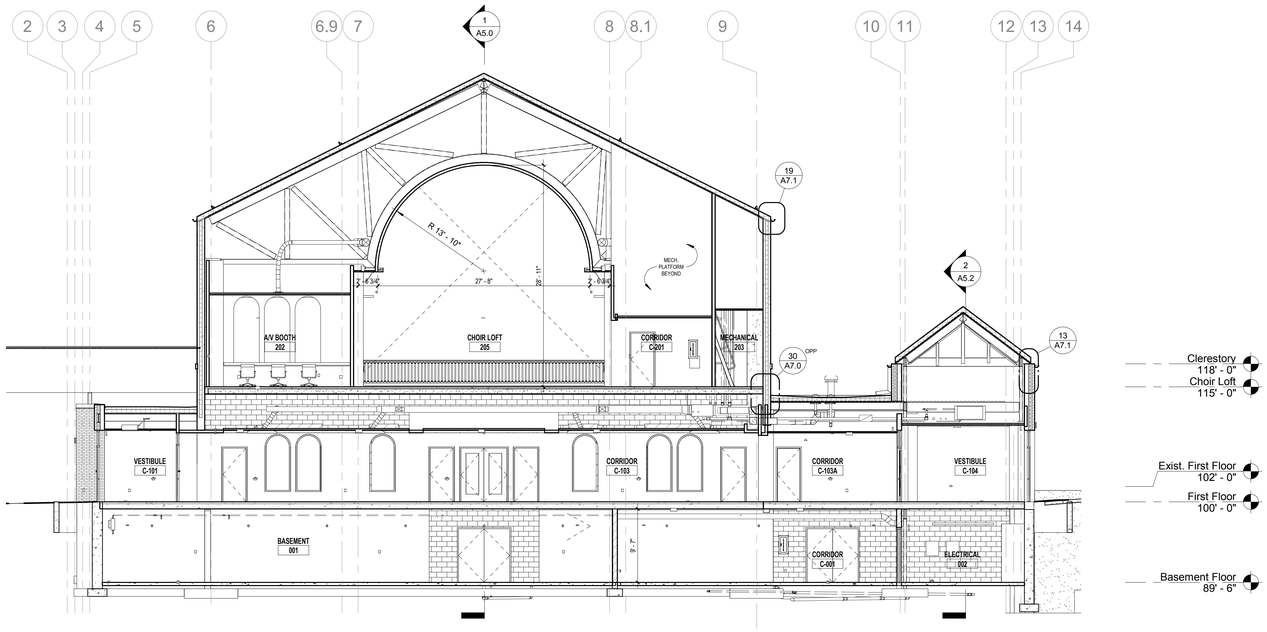


2 SECTION @ CORRIDOR C-104
1/8" = 1'-0"



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

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BUILDING SECTIONS

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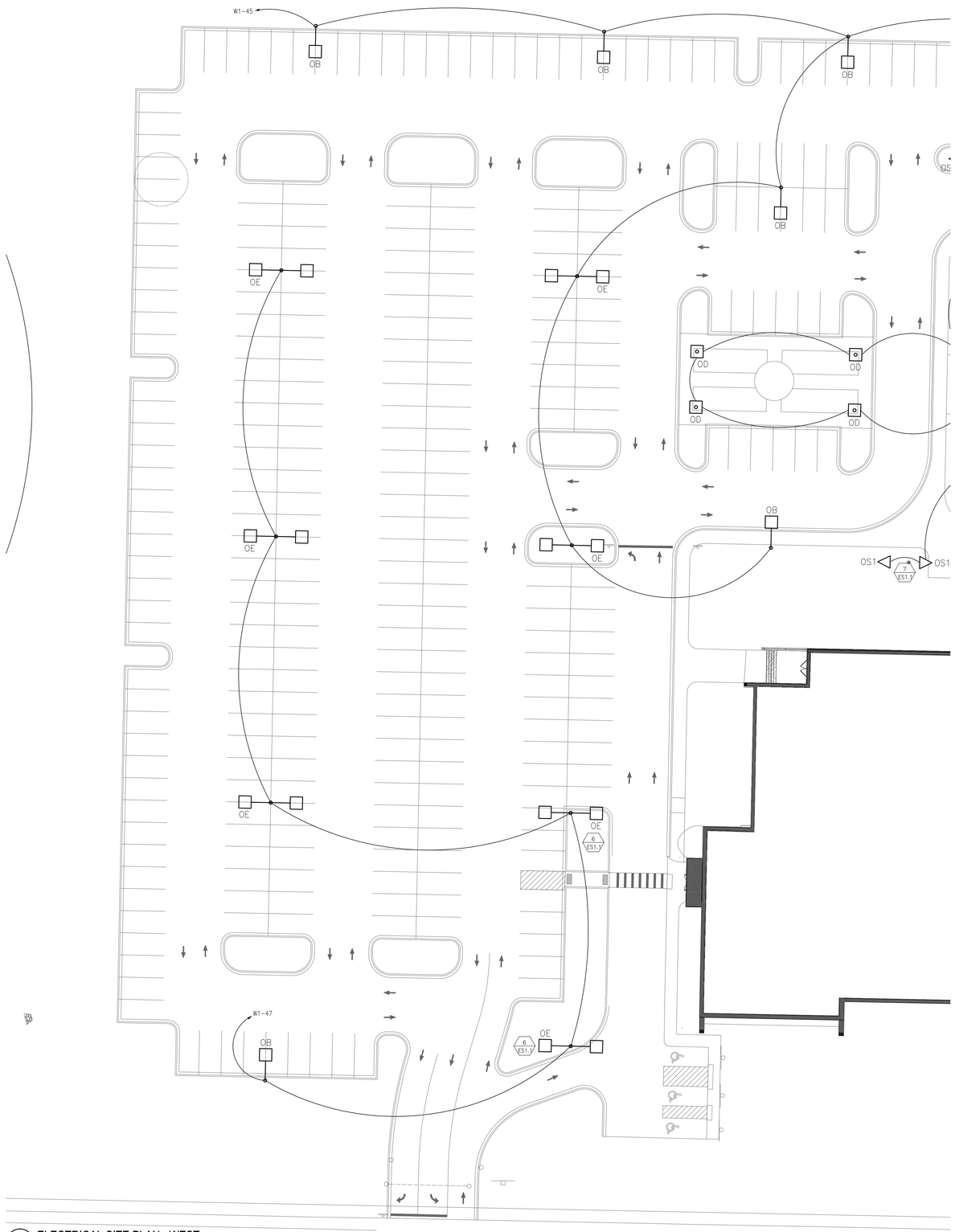
Project No:
160088.01

Sheet No:

A5.2



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

LIGHTING FIXTURE SCHEDULE

HARWOOD ENGINEERING CONSULTANTS

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-AR4-120L-LS -TL SERIES	09,10,26 POLE RECEPTACLE	DDRV	SURF	CONC BASE	
OD	DECOR. POST-TOP LUMINAIRE ON 12'H DECOR. POLE,3'H AFG BASE TYPE II DISTRIBUTION	LED MODULE 6000L 4000K	65W	UNV	–	LUMENPULSE	PUR322T-CSL--S60-2-DIM-CF 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 III 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 IV DIST.	LED MODULE 11950L EA. 4000K	130W EA.	UNV	–	KIM	1A-AR4-120L-LS -TL SERIES	09,10,26 POLE RECEPTACLE	DDRV	SURF	CONC BASE	
OS1	SINGLE ADJUST GRND MTD FLOOD 15DEG SPOT OPTIC FULL SNOOT, DIMMABLE	LED MODULE 1170L 4000K	12W	UNV	–	ECOSENSE	F080-1R-HO-15- -RF SERIES	09,10,27	DDRV	SURF	CONC BASE	
OS2	SINGLE ADJUST GRND MTD FLOOD 60DEG FLOOD OPTIC FULL SNOOT, DIMMABLE	LED MODULE 1170L 4000K	12W	UNV	–	ECOSENSE	F080-1R-HO-60- -RF SERIES	09,10,27	DDRV	SURF	CONC BASE	
OS3	DOUBLE ADJUST GRND MTD FLOOD 60DEG FLOOD OPTIC FULL SNOOT, DIMMABLE	LED MODULE 1170L EA. 4000K	12W EA.	UNV	–	ECOSENSE	F080-2V-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:

- Ø1. Ø.125" PATTERN 12 ACRYLIC LENS
- Ø2. Ø.156" PATTERN 19 ACRYLIC LENS
- Ø3. FLUSH STEEL DOOR FRAME
- Ø4. FLUSH ALUMINUM DOOR FRAME
- Ø5. SEMI-SPECULAR REFLECTOR
- Ø6. LOW IRIDESCENT REFLECTOR
- Ø7. REFLECTOR MATCHING TRIM RING
- Ø8. DAMP LOCATION LISTED
- Ø9. 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 Ø.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.

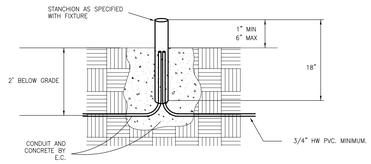
LF5 – FIELD VERIFY THE EXACT LOCATION OF ALL SURFACE MOUNTED FIXTURES TO AVOID CONFLICT WITH LANDSCAPE/SITE FEATURES. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE A/E PRIOR TO ROUGH IN.

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.

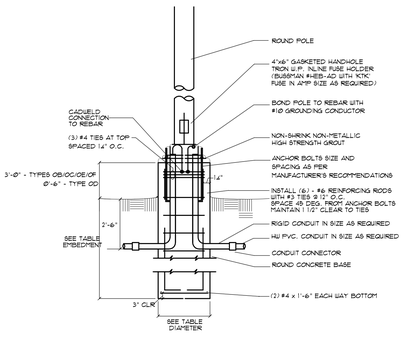
LF9 – PROVIDE GFI DUPLEX RECEPTACLE WITH METAL WHILE-IN-USE COVER APPROXIMATELY 1'-6" FROM BOTTOM OF POLE.



3 GROUND MOUNTED LIGHTING FIXTURE DETAIL
ES1.0 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 POLE BASE DETAIL
ES1.0 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 EMBEDMENT/DIAMETER			
	1 HEAD	2 HEAD	3 HEAD	4 HEAD
15'-0"	6'-5"/2'-0"	6'-5"/2'-0"	6'-5"/2'-0"	6'-5"/2'-0"
20'-0"	6'-5"/2'-0"	6'-5"/2'-0"	8'-0"/2'-0"	8'-0"/2'-0"
25'-0"	6'-5"/2'-0"	8'-0"/2'-0"	9'-0"/2'-0"	10'-0"/2'-0"
30'-0"	8'-0"/2'-6"	9'-0"/2'-6"	10'-0"/2'-6"	10'-0"/2'-6"

NOTES:
1. TABLE IS BASED ON SOIL BEARING PRESSURE OF 3000 PSF AND A LATERAL BEARING PRESSURE OF 200 PSF/FT.

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Consultant:

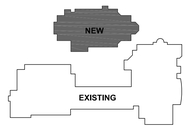
Harwood Engineering Consultants
255 North 21st Street | Milwaukee, WI 53233
P 414.475.5554 | www.hecl.com

Project:

St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:

ELECTRICAL SITE PLAN - WEST

Phase:

Plan Commision

Scale:

Revisions:

No.	Date:	Description:

Date:

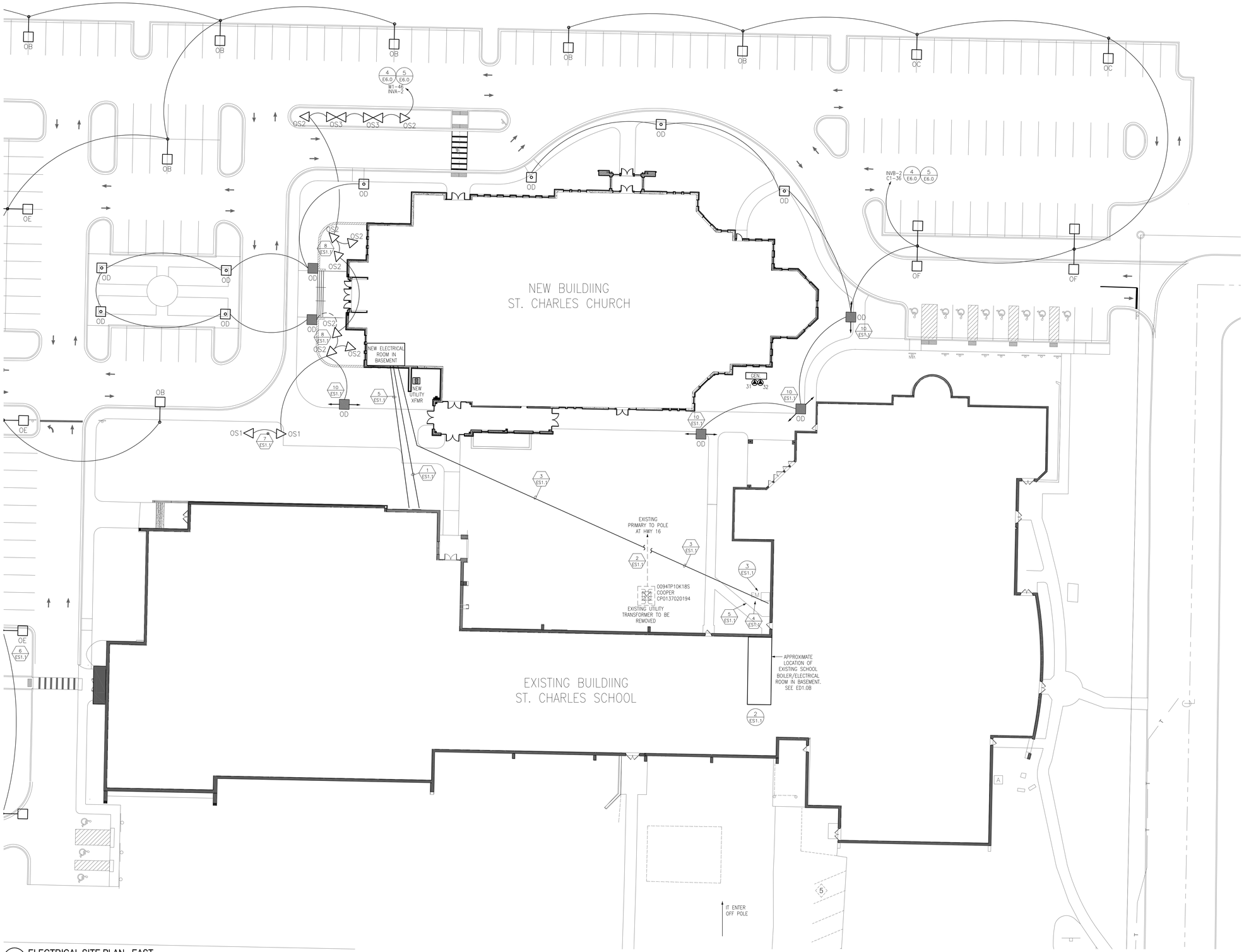
4.30.20

Project No:

16-0088.01

Sheet No:

ES1.0



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

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 FOILAGE.
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 FOILAGE.
10. ARROWS INDICATE RECOMMENDED DIRECTION OF LIGHT DISTRIBUTION.

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.
3. SHADED LIGHT FIXTURES SHALL BE WIRED TO THE INVERTER FOR EMERGENCY OPERATION. PROVIDE UL924 TRANSFER RELAYS AS REQUIRED.



2 EXISTING METER & WEST MDP DISCONNECT
NO SCALE

NOTES:
1. REMOVE ALL WIRING & EQUIPMENT.



3 EXISTING DISCONNECT SERVING EAST MDP
NO SCALE

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

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Project:
St. Charles Church Addition

Location:
526 Renson Road,
Hartland, WI 53029

Key Plan:



Sheet:
ELECTRICAL SITE PLAN - EAST

Phase:
Plan Commision

Scale:

Revisions:

No:	Date:	Description:

Date:
4.30.20

Project No:
16-0088.01

Sheet No:
ES1.1

May 13, 2020

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

Re: Village of Hartland
St. Charles Church Addition
3rd 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 April 30, 2020 consisting of 32 plan sheets along with an Operations Plan dated May 11, 2020. **Please respond to the comments below, in writing, with your next submittal.** You should plan to attend the Plan Commission meeting on May 18, 2020 to present the updates to your project plans.

Plan Updates

Village staff and St. Charles' representatives met on two occasions since the February 2020 Plan Commission meeting. St. Charles has considered feedback from stakeholders during the February 2020 Plan Commission meeting and reviewed the internal operations of their parking lot and facilities. The following are key updates to the site plans:

1. The Westerly access drive has been eliminated. The Renson Road entrance has been widened to allow for two exit lanes and one entrance lane. The entrance lane splits into two lanes, one to access the parking lot and one for school drop offs. See Sheet C1.11 (sheet 3 of 32) for these updates.
    a. Village Engineer/Staff have reviewed the reconfiguration and are supportive of it.

2. The landscape plan was enhanced along the north property line. An additional14 deciduous trees and 16 coniferous trees have been added for visual and noise screening. See Sheets L1.0 and L5.0 (sheets 11/14 of 32) for these updates.

3. Operation plan – the operation plan has been updated to more specifically address future parking considerations if problems arise with offsite parking. Village staff recommends additional wording be put within the operation plan as detailed below.

    a. Building Height-The allowable building height within the Institutional Zoning District is 35-feet. The proposed structure includes a main building ridge line height of 55-feet and rotunda and cupola architectural projection heights ranging from 84- to 118-feet. St. Charles Church acknowledges that due to the Village's special consideration and approval of the building heights in excess of 35-feet that there shall be no "commercialization" of the portions of the building heights that exceed 35-feet.

    b. 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.

    c. Stormwater Management- Collaboration between St. Charles and the Village creates a regional stormwater basin at the southwest portion of the St. Charles property. This stormwater basin allows offsite Village stormwater to flow through the stormwater basin which provides a water quality improvement for the Village and allows for the implementation of a key alternative in the Village's 2017 stormwater management plan.

d. Storm Water Maintenance Agreement – St. Charles owns the stormwater basin and all other stormwater related components on the site. The Village owns the control structure in Renson Road along with the 15-inch storm sewer influent pipe. The Village is responsible for the annual inspections and functional maintenance of the stormwater basin and St. Charles will provide all the aesthetic maintenance of the storm water basin as well as maintenance of all other stormwater related components on the site. A storm water maintenance agreement (has) been recorded with Waukesha County Register of Deeds to memorialize this.

e. Storm water easement – St. Charles (has) provided a permanent easement around the stormwater basin to allow for the Village to access and maintain the basin.

f. Fire hydrant agreement – St. Charles owns the onsite fire hydrant. There (is) a fire hydrant agreement in place to have the Village maintain the hydrant.

Remaining Minor Comments

The following are comments that were on the previous review letter. These items will need to be addressed by applicant prior to the issuance of necessary permits.

Storm Water Management Plan

1. Finalize storm water management plan, maintenance agreement and easement documents.

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

1. Notes: Note 2 – add, “Sawcut full depth at limits”.
2. Provide insulation between water main and storm sewer at all crossings. Provide insulation detail.
3. Valley gutter at Circle Drive and easterly access shall be 24-inch with flowline in middle. Show detail.
4. The connection of the water service to the water main shall be performed with a live tapping full/stainless steel 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.

Grading Plan – West/East - Sheet C1.20/C1.21

5. 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.
6. Provide updated stormwater management plan with basin delineations for onsite storm sewer and flow calculations.

Erosion Control Plan - Sheet C1.30

7. Tracking pad along east side of site at Circle Drive should be separated/fenced from normal access to church parking lot.
8. Contractor shall provide detailed construction phasing plan prior to Village issuance of the Village building or erosion control permits.
9. 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

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

Electric Plans

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

Summary

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

1. Provide 2 paper copies of the final Storm Water Management Plan and Construction Drawings stamped by a Professional Engineer – submit 2 final copies with all relevant information from previous submittals included. Provide record drawings.
2. Storm Water Maintenance Agreement and Easement – recorded at County.
3. WDNR Notice of Intent.
4. Village storm water permit and erosion control permit – bond required for storm water improvements.
5. Village work within right-of-way permit – bond required for work within right-of-way.
6. Building permit.

The applicant will be required to obtain any other permits determined to be necessary. If you have any questions, comments or concerns, please feel free to contact our office.

Recommendation

I understand that the building plans were approved by the Arc Board/Plan Commission at the February 2020 meeting.

Village Staff recommends approval of the site plans/landscape plan/operation plan, conditional upon Village staff confirmation that the items within this letter are addressed prior to the issuance of any permits.

Respectfully,

RUEKERT & MIELKE, INC.

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

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

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St Charles Catholic Parish and School
313 Circle Dr.
Hartland, WI 53029
May 11, 2020

Operations Plan

Since St Charles opened in 1863, St Charles has grown into a vibrant Catholic community of over 2,500 households (Over 8000 parishioners). As Hartland and the surrounding Lake Country grows, we would like to welcome the new families and individuals into our church. The new church will seat 1,100 parishioners. The current church is required to use an adjacent meeting room with large screen monitors to often accommodate the number of parishioners attending the mass. Event and meeting spaces are fully booked through the school year with ministry and affiliated groups like scouts, St. Vincent de Paul, and Knights of Columbus.

The parking lot has been designed with a proposed total of 382 parking stalls which St. Charles believes will satisfy the needs of typical week to week activities such as school and mass schedules. Not withstanding the occasional peak event such as Christmas and Easter masses, if the typical week to week activities cause street parking concerns, then St. Charles will review its operation plan for potential modifications including: adjusting mass schedules; adding onsite parking; providing shuttle service as necessary to avoid street parking.

Church – Saturday

Mass at 5:00 – Attendance 500

Sunday

Mass at 7:00 – Attendance 350

Mass at 9:00 – Attendance 900

Mass at 11:00 – Attendance 825

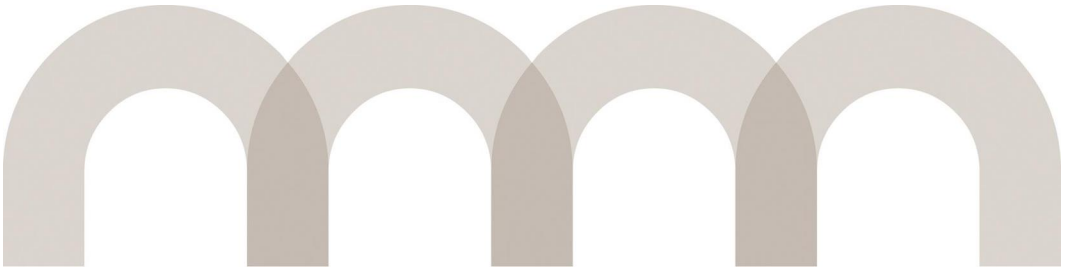
Mass at 6:00 PM- Attendance 400

The scheduling/timing of masses could be adjusted if traffic/parking becomes an issue.

Mass times will vary at During the Christmas season (Advent), Easter (Holy Week and daily mass times), and other Holy Days of Obligation

Week Day Masses: 8:30 AM – Attendance 100

Weddings and Funerals



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Ministries through-out the day 8:30 AM – 10:00 PM

Administrative Offices M-F 8:00 AM – 4:00PM

Off site parking arrangements during:

Construction –

First phase will be stormwater management and creation of the addition to the parking lot to accommodate lost parking during construction. Once a contractor is selected, contractor staging and traffic will be corridanted with the Village.

Special Liturgical Events (Christmas- Easter …) Lot, Street, Shuttle from Beibel's Hardware

Fall Fest –Street, Hartland North, Shuttle from Beibel's Hardware

School:

302 Students

# of Faculty & Assistants 35

Grades: Preschool – 8

Main Entrance Location West End

School Day 8:00 AM – 4:00 PM

Morning Rush – Hours 8:10-8:25, # of cars 220, # of busses 2

Afternoon Rush – Hours 3:05-3:30, # of cars 220, # of busses 2

Parents to be directed to drop-off/pick-up children at designated areas on the parking lot to provide safe movement from the vehicles into the building.

Athletics:

After School – 10:00

Weekends up to 9pm – Typical Attendance 100

Community Events:

Community Meal Monthly

Blood Drives Quarterly

Presidential Polling

Fall Festival: 2nd weekend in September. Parking as identified above

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Design Team:

Architect – Zimmerman Architectural Studios

Civil Engineer – Harwood Engineering Consultants

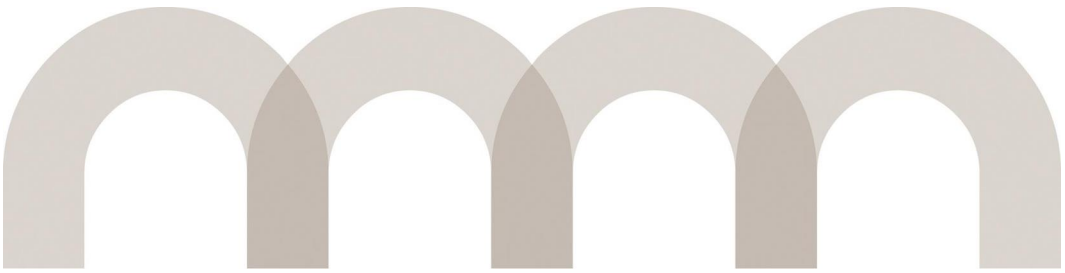
Landscape/Site Design – Harwood Engineering Consultants

Exterior Lighting Design - Harwood Engineering Consultants

Proposed Schedule:

Construction Commences Fall 2020

Construction Completed Winter 2021



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
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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
HARTLAND WI 53029

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